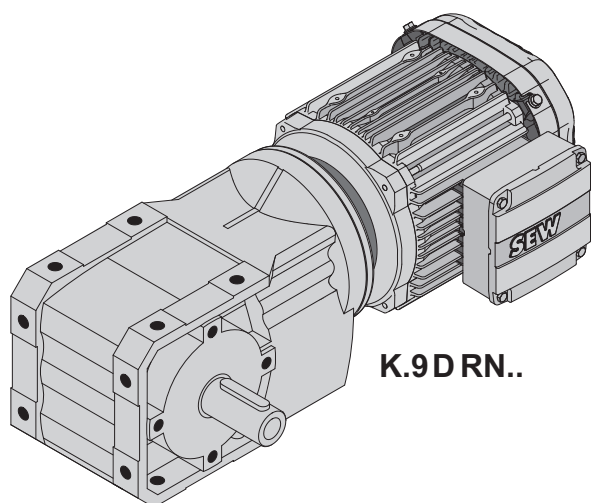
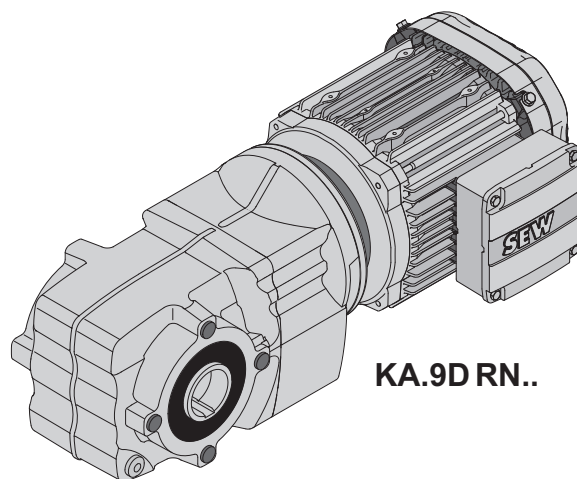
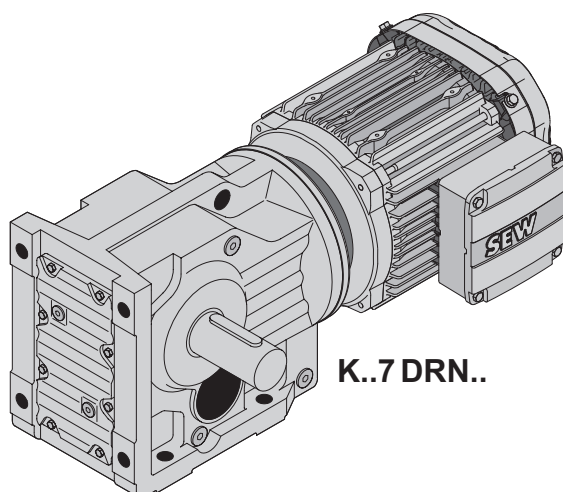
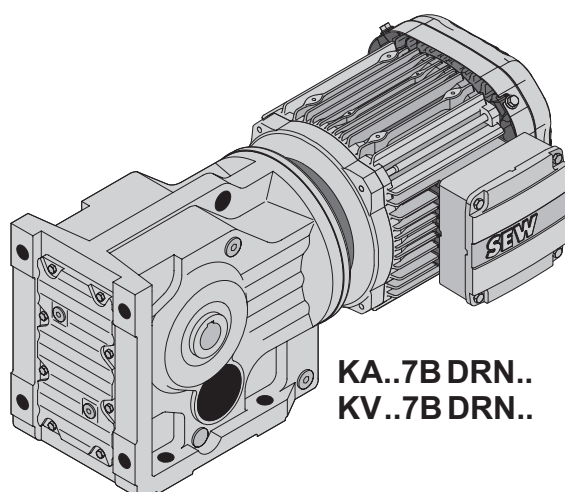
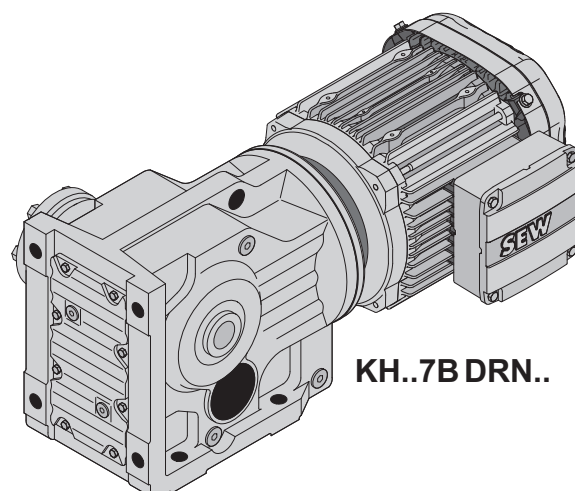


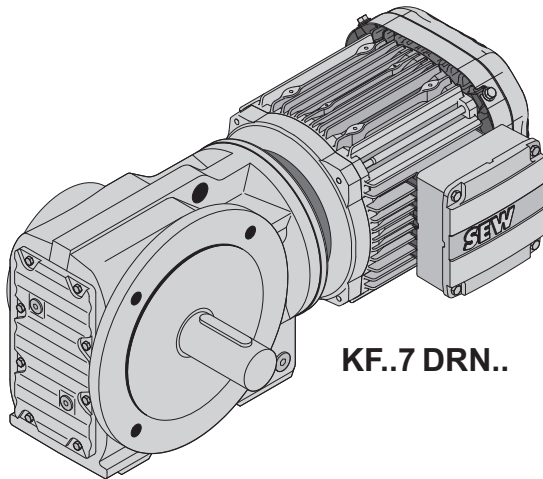
## 10 Motoréducteurs à couple conique

## 10.1 Exécutions K..DRN..

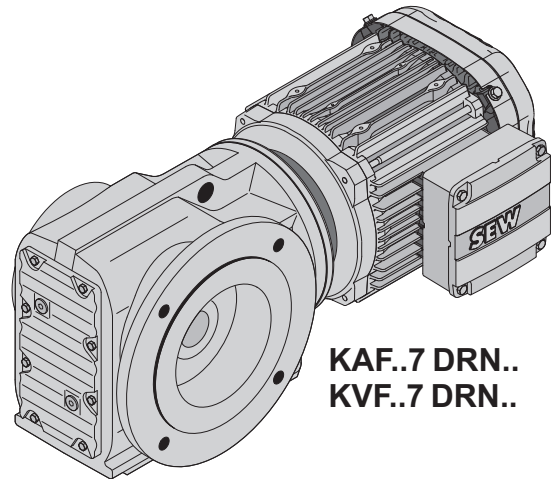
**K.9DRN..****KA.9DRN..****K..7DRN..****KA..7BDRN..  
KV..7BDRN..****KH..7BDRN..**

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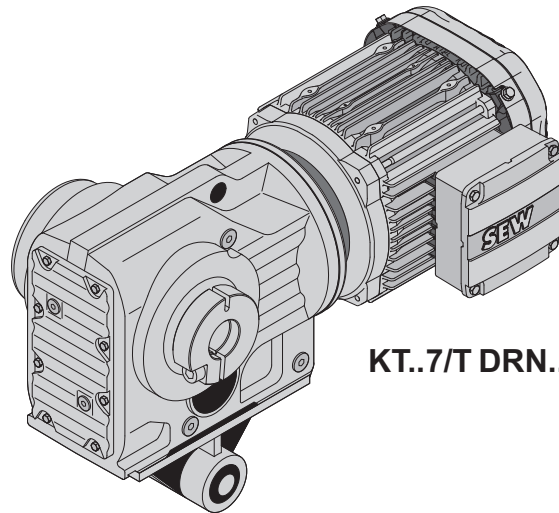


**KF.7 DRN..**

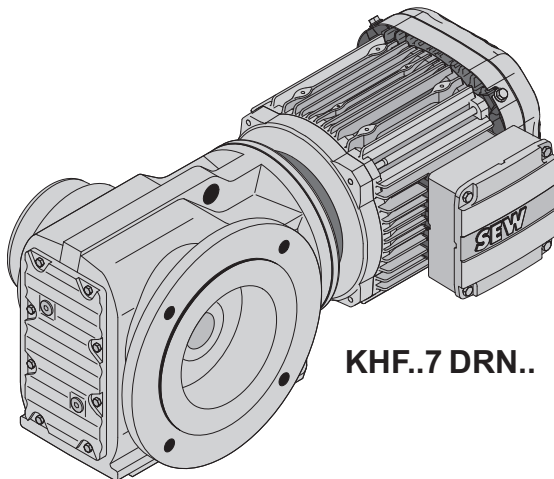


**KAF.7 DRN..  
KVF.7 DRN..**

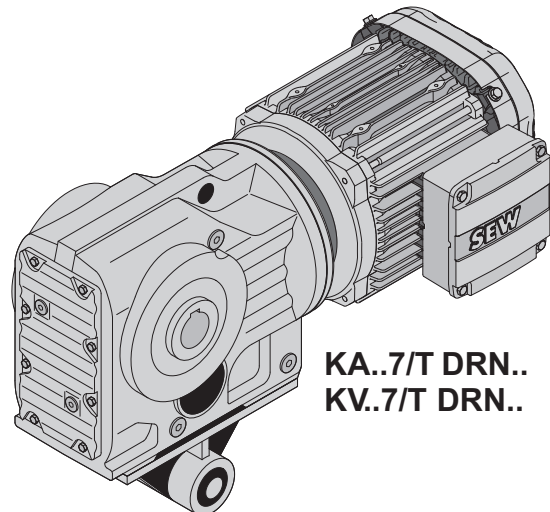
10



**KT.7/T DRN..**

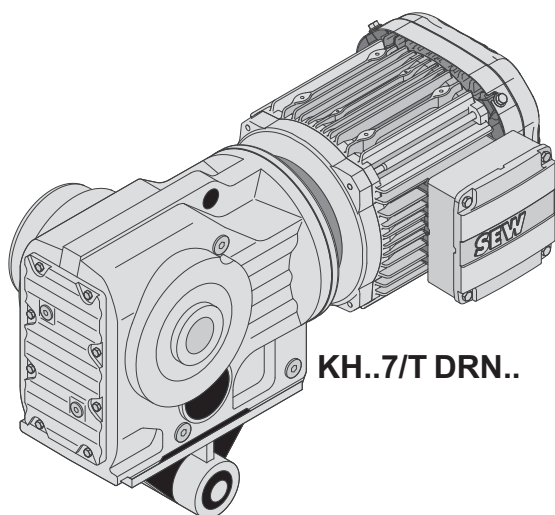
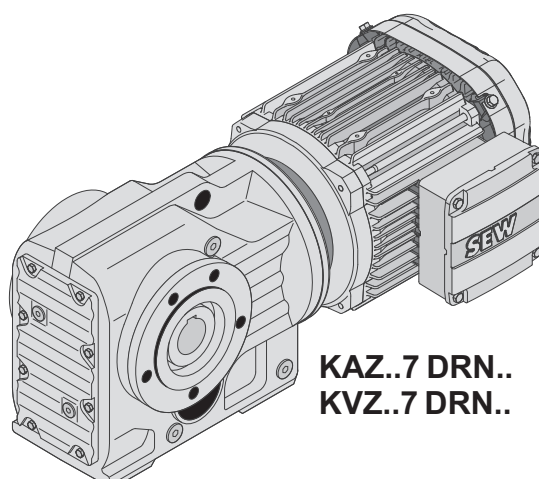
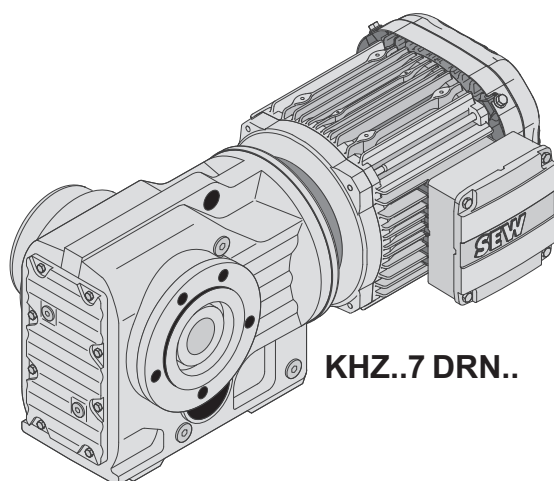
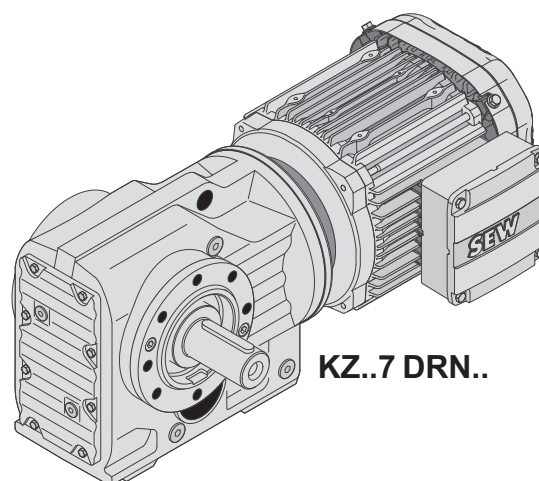
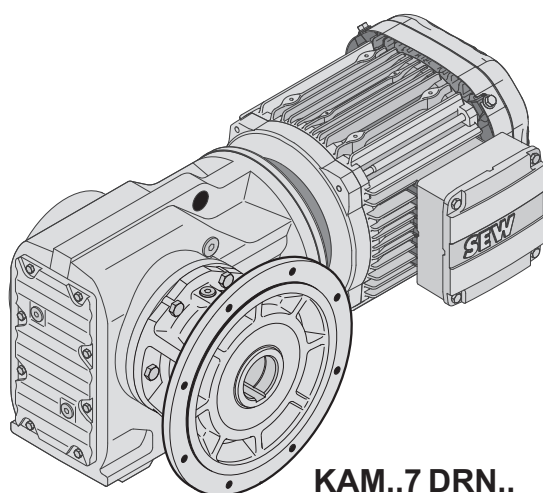
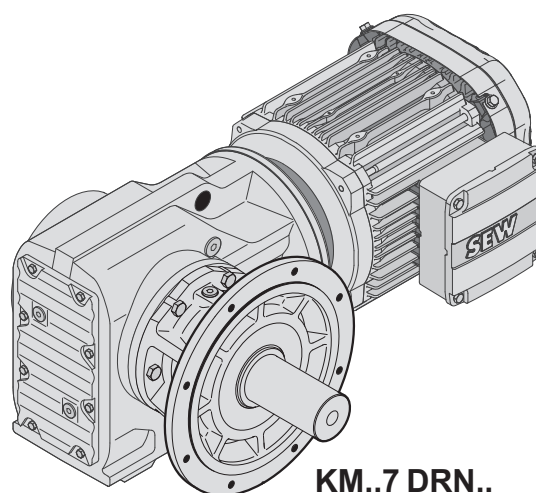


**KHF.7 DRN..**



**KA.7/T DRN..  
KV.7/T DRN..**

18014407174238219

**KH..7/T DRN..****KAZ..7 DRN..  
KVZ..7 DRN..****KHZ..7 DRN..****KZ..7 DRN..****KAM..7 DRN..****KM..7 DRN..**

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## 10.2 Combinaisons possibles K..DRN..

| K19, $n_e=1400 \text{ min}^{-1}$                                                    |                  |               |                      |       | 80 Nm               |                                    |            |
|-------------------------------------------------------------------------------------|------------------|---------------|----------------------|-------|---------------------|------------------------------------|------------|
| $n_a$<br>$\text{min}^{-1}$                                                          | $M_{amax}$<br>Nm | $F_{Ra}$<br>N | $\varphi_{(R)}$<br>° | i     | DRN                 | DRN                                | DRN        |
|                                                                                     |                  |               |                      |       | 63MS<br>63M<br>71MS | 63MS<br>63M<br>71MS<br>71M<br>80MK | 80M<br>90S |
|  2 |                  |               |                      |       |                     |                                    |            |
| 24                                                                                  | 70               | 4330          | -                    | 58.68 |                     |                                    |            |
| 26                                                                                  | 70               | 4330          | -                    | 53.88 |                     |                                    |            |
| 28                                                                                  | 70               | 4330          | -                    | 49.69 |                     |                                    |            |
| 31                                                                                  | 69               | 4340          | -                    | 44.48 |                     |                                    |            |
| 34                                                                                  | 67               | 4350          | -                    | 40.63 |                     |                                    |            |
| 41                                                                                  | 64               | 4370          | -                    | 34.29 |                     |                                    |            |
| 44                                                                                  | 80               | 4260          | -                    | 31.74 |                     |                                    |            |
| 48                                                                                  | 61               | 4200          | -                    | 29.29 |                     |                                    |            |
| 48                                                                                  | 80               | 4120          | -                    | 29.14 |                     |                                    |            |
| 52                                                                                  | 60               | 4090          | -                    | 27.16 |                     |                                    |            |
| 52                                                                                  | 80               | 3990          | -                    | 26.88 |                     |                                    |            |
| 58                                                                                  | 80               | 3820          | -                    | 24.06 |                     |                                    |            |
| 64                                                                                  | 80               | 3680          | -                    | 21.98 |                     |                                    |            |
| 75                                                                                  | 80               | 3430          | -                    | 18.55 |                     |                                    |            |
| 88                                                                                  | 80               | 3210          | -                    | 15.84 |                     |                                    |            |
| 95                                                                                  | 80               | 3110          | -                    | 14.69 |                     |                                    |            |
| 110                                                                                 | 80               | 2930          | -                    | 12.70 |                     |                                    |            |
| 118                                                                                 | 79               | 2850          | -                    | 11.84 |                     |                                    |            |
| 136                                                                                 | 76               | 2720          | -                    | 10.32 |                     |                                    |            |
| 146                                                                                 | 63               | 2910          | -                    | 9.58  |                     |                                    |            |
| 173                                                                                 | 80               | 2590          | -                    | 8.09  |                     |                                    |            |
| 203                                                                                 | 80               | 2420          | -                    | 6.91  |                     |                                    |            |
| 218                                                                                 | 80               | 2340          | -                    | 6.41  |                     |                                    |            |
| 253                                                                                 | 80               | 2200          | -                    | 5.54  |                     |                                    |            |
| 271                                                                                 | 80               | 2140          | -                    | 5.16  |                     |                                    |            |
| 311                                                                                 | 80               | 2010          | -                    | 4.50  |                     |                                    |            |

| K29, $n_e=1400 \text{ min}^{-1}$                                                      |                  |               |                      |       | 130 Nm              |                                    |            |     |       |
|---------------------------------------------------------------------------------------|------------------|---------------|----------------------|-------|---------------------|------------------------------------|------------|-----|-------|
| $n_a$<br>$\text{min}^{-1}$                                                            | $M_{amax}$<br>Nm | $F_{Ra}$<br>N | $\varphi_{(R)}$<br>° | i     | DRN                 | DRN                                | DRN        | DRN | DRN   |
|                                                                                       |                  |               |                      |       | 63MS<br>63M<br>71MS | 63MS<br>63M<br>71MS<br>71M<br>80MK | 80M<br>90S | 90L | 100LS |
|  2 |                  |               |                      |       |                     |                                    |            |     |       |
| 19                                                                                    | 130              | 4980          | -                    | 71.93 |                     |                                    |            |     |       |
| 21                                                                                    | 130              | 4980          | -                    | 66.25 |                     |                                    |            |     |       |
| 23                                                                                    | 130              | 4980          | -                    | 61.28 |                     |                                    |            |     |       |
| 26                                                                                    | 130              | 4980          | -                    | 54.89 |                     |                                    |            |     |       |
| 28                                                                                    | 130              | 4980          | -                    | 50.35 |                     |                                    |            |     |       |
| 33                                                                                    | 128              | 4790          | -                    | 42.87 |                     |                                    |            |     |       |
| 36                                                                                    | 130              | 4720          | -                    | 38.90 |                     |                                    |            |     |       |
| 38                                                                                    | 122              | 4560          | -                    | 36.96 |                     |                                    |            |     |       |
| 39                                                                                    | 130              | 4560          | -                    | 35.83 |                     |                                    |            |     |       |
| 42                                                                                    | 130              | 4410          | -                    | 33.15 |                     |                                    |            |     |       |
| 46                                                                                    | 115              | 4250          | -                    | 30.11 |                     |                                    |            |     |       |

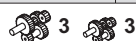
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| K29, $n_e=1400 \text{ min}^{-1}$ |                  |               |                   |       | 130 Nm                     |                                           |                   |            |              |
|----------------------------------|------------------|---------------|-------------------|-------|----------------------------|-------------------------------------------|-------------------|------------|--------------|
| $n_a$<br>$\text{min}^{-1}$       | $M_{amax}$<br>Nm | $F_{Ra}$<br>N | $\Phi_{(R)}$<br>° | i     | DRN<br>63MS<br>63M<br>71MS | DRN<br>63MS<br>63M<br>71MS<br>71M<br>80MK | DRN<br>80M<br>90S | DRN<br>90L | DRN<br>100LS |
| 47                               | 130              | 4210          | -                 | 29.69 |                            |                                           |                   |            |              |
| 51                               | 130              | 4060          | -                 | 27.23 |                            |                                           |                   |            |              |
| 56                               | 109              | 3980          | -                 | 24.91 |                            |                                           |                   |            |              |
| 60                               | 130              | 3790          | -                 | 23.19 |                            |                                           |                   |            |              |
| 63                               | 105              | 3820          | -                 | 22.08 |                            |                                           |                   |            |              |
| 70                               | 130              | 3550          | -                 | 19.99 |                            |                                           |                   |            |              |
| 86                               | 130              | 3240          | -                 | 16.29 |                            |                                           |                   |            |              |
| 104                              | 130              | 2970          | -                 | 13.47 |                            |                                           |                   |            |              |
| 117                              | 130              | 2810          | -                 | 11.94 |                            |                                           |                   |            |              |
| 141                              | 110              | 3000          | -                 | 9.90  |                            |                                           |                   |            |              |
| 153                              | 130              | 2470          | -                 | 9.17  |                            |                                           |                   |            |              |
| 164                              | 122              | 2740          | -                 | 8.53  |                            |                                           |                   |            |              |
| 187                              | 123              | 2300          | -                 | 7.48  |                            |                                           |                   |            |              |
| 201                              | 112              | 2580          | -                 | 6.95  |                            |                                           |                   |            |              |
| 243                              | 112              | 2370          | -                 | 5.75  |                            |                                           |                   |            |              |
| 275                              | 110              | 2260          | -                 | 5.10  |                            |                                           |                   |            |              |
| 357                              | 126              | 1910          | -                 | 3.92  |                            |                                           |                   |            |              |
| 439                              | 110              | 1830          | -                 | 3.19  |                            |                                           |                   |            |              |

| K37, $n_e=1400 \text{ min}^{-1}$                                                      |                  |               |                   |        | 200 Nm                                    |                   |            |                      |
|---------------------------------------------------------------------------------------|------------------|---------------|-------------------|--------|-------------------------------------------|-------------------|------------|----------------------|
| $n_a$<br>$\text{min}^{-1}$                                                            | $M_{amax}$<br>Nm | $F_{Ra}$<br>N | $\Phi_{(R)}$<br>° | i      | DRN<br>63MS<br>63M<br>71MS<br>71M<br>80MK | DRN<br>80M<br>90S | DRN<br>90L | DRN<br>100LS<br>100L |
|  3 |                  |               |                   |        |                                           |                   |            |                      |
| 13                                                                                    | 200              | 5640          | 7                 | 106.38 |                                           |                   |            |                      |
| 14                                                                                    | 200              | 5640          | 7                 | 97.81  |                                           |                   |            |                      |
| 17                                                                                    | 200              | 5640          | 7                 | 83.69  |                                           |                   |            |                      |
| 19                                                                                    | 200              | 5520          | 7                 | 72.54  |                                           |                   |            |                      |
| 21                                                                                    | 200              | 5360          | 7                 | 67.80  |                                           |                   |            |                      |
| 24                                                                                    | 200              | 5020          | 7                 | 58.60  |                                           |                   |            |                      |
| 28                                                                                    | 200              | 4660          | 7                 | 49.79  |                                           |                   |            |                      |
| 31                                                                                    | 200              | 4420          | 7                 | 44.46  |                                           |                   |            |                      |
| 37                                                                                    | 200              | 4100          | 7                 | 37.97  |                                           |                   |            |                      |
| 39                                                                                    | 200              | 3970          | 8                 | 35.57  |                                           |                   |            |                      |
| 47                                                                                    | 200              | 3650          | 8                 | 29.96  |                                           |                   |            |                      |
| 49                                                                                    | 200              | 3580          | 9                 | 28.83  |                                           |                   |            |                      |
| 56                                                                                    | 200              | 3330          | 9                 | 24.99  |                                           |                   |            |                      |
| 60                                                                                    | 195              | 3260          | 9                 | 23.36  |                                           |                   |            |                      |
| 69                                                                                    | 185              | 3110          | 9                 | 20.19  |                                           |                   |            |                      |
| 82                                                                                    | 180              | 2900          | 9                 | 17.15  |                                           |                   |            |                      |
| 91                                                                                    | 175              | 2780          | 9                 | 15.31  |                                           |                   |            |                      |
| 107                                                                                   | 165              | 2650          | 9                 | 13.08  |                                           |                   |            |                      |
| 115                                                                                   | 160              | 2600          | 12                | 12.14  |                                           |                   |            |                      |
| 133                                                                                   | 160              | 2410          | 13                | 10.49  |                                           |                   |            |                      |
| 157                                                                                   | 160              | 2200          | 13                | 8.91   |                                           |                   |            |                      |
| 176                                                                                   | 155              | 2110          | 13                | 7.96   |                                           |                   |            |                      |
| 206                                                                                   | 150              | 1980          | 13                | 6.80   |                                           |                   |            |                      |

| K37, $n_e=1400 \text{ min}^{-1}$ |                  |               |                   |      | 200 Nm                                    |                   |            |                      |
|----------------------------------|------------------|---------------|-------------------|------|-------------------------------------------|-------------------|------------|----------------------|
| $n_a$<br>$\text{min}^{-1}$       | $M_{amax}$<br>Nm | $F_{Ra}$<br>N | $\Phi_{(R)}$<br>° | $i$  | DRN<br>63MS<br>63M<br>71MS<br>71M<br>80MK | DRN<br>80M<br>90S | DRN<br>90L | DRN<br>100LS<br>100L |
| 220                              | 145              | 1950          | 13                | 6.37 |                                           |                   |            |                      |
| 261                              | 140              | 1810          | 14                | 5.36 |                                           |                   |            |                      |
| 352                              | 125              | 1660          | 13                | 3.98 |                                           |                   |            |                      |

| K37R17, $n_e=1400 \text{ min}^{-1}$ |                  |               |                   |     | 200 Nm      |                                           |            |
|-------------------------------------|------------------|---------------|-------------------|-----|-------------|-------------------------------------------|------------|
| $n_a$<br>$\text{min}^{-1}$          | $M_{amax}$<br>Nm | $F_{Ra}$<br>N | $\Phi_{(R)}$<br>° | $i$ | DR2S<br>56M | DRN<br>63MS<br>63M<br>71MS<br>71M<br>80MK | DRN<br>80M |



|      |     |      |   |      |  |  |  |
|------|-----|------|---|------|--|--|--|
| 0.20 | 200 | 5640 | - | 6832 |  |  |  |
| 0.24 | 200 | 5640 | - | 5922 |  |  |  |
| 0.25 | 200 | 5640 | - | 5491 |  |  |  |
| 0.29 | 200 | 5640 | - | 4759 |  |  |  |
| 0.34 | 200 | 5640 | - | 4160 |  |  |  |
| 0.38 | 200 | 5640 | - | 3645 |  |  |  |
| 0.44 | 200 | 5640 | - | 3205 |  |  |  |
| 0.50 | 200 | 5640 | - | 2801 |  |  |  |
| 0.57 | 200 | 5640 | - | 2454 |  |  |  |
| 0.65 | 200 | 5640 | - | 2166 |  |  |  |
| 0.74 | 200 | 5640 | - | 1891 |  |  |  |
| 0.84 | 200 | 5640 | - | 1660 |  |  |  |
| 0.95 | 200 | 5640 | - | 1466 |  |  |  |
| 1.1  | 200 | 5640 | - | 1288 |  |  |  |
| 1.2  | 200 | 5640 | - | 1136 |  |  |  |



|     |     |      |   |     |  |  |  |
|-----|-----|------|---|-----|--|--|--|
| 1.4 | 200 | 5640 | - | 996 |  |  |  |
| 1.6 | 200 | 5640 | - | 876 |  |  |  |
| 1.8 | 200 | 5640 | - | 761 |  |  |  |
| 2.1 | 200 | 5640 | - | 671 |  |  |  |
| 2.4 | 200 | 5640 | - | 585 |  |  |  |
| 2.7 | 200 | 5640 | - | 512 |  |  |  |
| 3.1 | 200 | 5640 | - | 451 |  |  |  |
| 3.5 | 200 | 5640 | - | 396 |  |  |  |
| 4.0 | 200 | 5640 | - | 346 |  |  |  |
| 4.6 | 200 | 5640 | - | 304 |  |  |  |
| 5.2 | 200 | 5640 | - | 267 |  |  |  |
| 6.0 | 200 | 5640 | - | 234 |  |  |  |
| 6.8 | 200 | 5640 | - | 205 |  |  |  |
| 7.7 | 200 | 5640 | - | 181 |  |  |  |
| 8.8 | 200 | 5640 | - | 160 |  |  |  |
| 10  | 200 | 5640 | - | 136 |  |  |  |
| 11  | 200 | 5640 | - | 127 |  |  |  |
| 13  | 200 | 5640 | - | 110 |  |  |  |
| 15  | 200 | 5640 | - | 96  |  |  |  |

| K39, $n_e=1400 \text{ min}^{-1}$                                                    |                  |               |                   |       | 300 Nm                                    |                   |            |                      |             |
|-------------------------------------------------------------------------------------|------------------|---------------|-------------------|-------|-------------------------------------------|-------------------|------------|----------------------|-------------|
| $n_a$<br>$\text{min}^{-1}$                                                          | $M_{amax}$<br>Nm | $F_{Ra}$<br>N | $\Phi_{(R)}$<br>° | i     | DRN<br>63MS<br>63M<br>71MS<br>71M<br>80MK | DRN<br>80M<br>90S | DRN<br>90L | DRN<br>100LS<br>100L | DRN<br>112M |
|  2 |                  |               |                   |       |                                           |                   |            |                      |             |
| 24                                                                                  | 300              | 7500          | -                 | 58.24 |                                           |                   |            |                      |             |
| 28                                                                                  | 300              | 7440          | -                 | 49.69 |                                           |                   |            |                      |             |
| 32                                                                                  | 300              | 7000          | -                 | 43.45 |                                           |                   |            |                      |             |
| 34                                                                                  | 300              | 6840          | -                 | 41.28 |                                           |                   |            |                      |             |
| 39                                                                                  | 300              | 6440          | -                 | 36.22 |                                           |                   |            |                      |             |
| 46                                                                                  | 300              | 5960          | -                 | 30.72 |                                           |                   |            |                      |             |
| 50                                                                                  | 300              | 5670          | -                 | 27.73 |                                           |                   |            |                      |             |
| 57                                                                                  | 300              | 5330          | -                 | 24.40 |                                           |                   |            |                      |             |
| 61                                                                                  | 300              | 5180          | -                 | 23.04 |                                           |                   |            |                      |             |
| 71                                                                                  | 295              | 4820          | -                 | 19.62 |                                           |                   |            |                      |             |
| 79                                                                                  | 290              | 4630          | -                 | 17.83 |                                           |                   |            |                      |             |
| 91                                                                                  | 280              | 4380          | -                 | 15.44 |                                           |                   |            |                      |             |
| 104                                                                                 | 270              | 4160          | -                 | 13.44 |                                           |                   |            |                      |             |
| 110                                                                                 | 250              | 4930          | -                 | 12.73 |                                           |                   |            |                      |             |
| 116                                                                                 | 255              | 4790          | -                 | 12.09 |                                           |                   |            |                      |             |
| 132                                                                                 | 285              | 4360          | -                 | 10.61 |                                           |                   |            |                      |             |
| 156                                                                                 | 300              | 3950          | -                 | 9.00  |                                           |                   |            |                      |             |
| 172                                                                                 | 300              | 3760          | -                 | 8.12  |                                           |                   |            |                      |             |
| 196                                                                                 | 300              | 3530          | -                 | 7.15  |                                           |                   |            |                      |             |
| 207                                                                                 | 300              | 3430          | -                 | 6.75  |                                           |                   |            |                      |             |
| 243                                                                                 | 275              | 3300          | -                 | 5.75  |                                           |                   |            |                      |             |
| 268                                                                                 | 260              | 3240          | -                 | 5.22  |                                           |                   |            |                      |             |
| 310                                                                                 | 240              | 3130          | -                 | 4.52  |                                           |                   |            |                      |             |
| 355                                                                                 | 215              | 3070          | -                 | 3.94  |                                           |                   |            |                      |             |
| 498                                                                                 | 170              | 2870          | -                 | 2.81  |                                           |                   |            |                      |             |

| K39R17, $n_e=1400 \text{ min}^{-1}$                                                                                                                                         |                  |               |                   |      | 300 Nm      |                                           |            |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|---------------|-------------------|------|-------------|-------------------------------------------|------------|
| $n_a$<br>$\text{min}^{-1}$                                                                                                                                                  | $M_{amax}$<br>Nm | $F_{Ra}$<br>N | $\Phi_{(R)}$<br>° | i    | DR2S<br>56M | DRN<br>63MS<br>63M<br>71MS<br>71M<br>80MK | DRN<br>80M |
|  2  3 |                  |               |                   |      |             |                                           |            |
| 0.35                                                                                                                                                                        | 300              | 7500          | -                 | 4057 |             |                                           |            |
| 0.42                                                                                                                                                                        | 300              | 7500          | -                 | 3370 |             |                                           |            |
| 0.48                                                                                                                                                                        | 300              | 7500          | -                 | 2906 |             |                                           |            |
| 0.56                                                                                                                                                                        | 300              | 7500          | -                 | 2508 |             |                                           |            |
| 0.59                                                                                                                                                                        | 300              | 7500          | -                 | 2367 |             |                                           |            |
| 0.65                                                                                                                                                                        | 300              | 7500          | -                 | 2162 |             |                                           |            |
| 0.74                                                                                                                                                                        | 300              | 7500          | -                 | 1881 |             |                                           |            |
| 0.79                                                                                                                                                                        | 300              | 7500          | -                 | 1762 |             |                                           |            |
| 0.86                                                                                                                                                                        | 300              | 7500          | -                 | 1622 |             |                                           |            |
| 0.94                                                                                                                                                                        | 300              | 7500          | -                 | 1494 |             |                                           |            |
| 1.1                                                                                                                                                                         | 300              | 7500          | -                 | 1321 |             |                                           |            |
| 1.2                                                                                                                                                                         | 300              | 7500          | -                 | 1169 |             |                                           |            |
| 1.3                                                                                                                                                                         | 300              | 7500          | -                 | 1093 |             |                                           |            |

| K39R17, $n_e=1400 \text{ min}^{-1}$                                                                                                                                     |                  |               |                   |     | 300 Nm      |                                           |            |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|---------------|-------------------|-----|-------------|-------------------------------------------|------------|
| $n_a$<br>$\text{min}^{-1}$                                                                                                                                              | $M_{amax}$<br>Nm | $F_{Ra}$<br>N | $\Phi_{(R)}$<br>° | i   | DR2S<br>56M | DRN<br>63MS<br>63M<br>71MS<br>71M<br>80MK | DRN<br>80M |
|  2  2 |                  |               |                   |     |             |                                           |            |
| 1.5                                                                                                                                                                     | 300              | 7500          | -                 | 956 |             |                                           |            |
| 1.7                                                                                                                                                                     | 300              | 7500          | -                 | 814 |             |                                           |            |
| 2.0                                                                                                                                                                     | 300              | 7500          | -                 | 711 |             |                                           |            |
| 2.3                                                                                                                                                                     | 300              | 7500          | -                 | 605 |             |                                           |            |
| 2.8                                                                                                                                                                     | 300              | 7500          | -                 | 504 |             |                                           |            |
| 3.1                                                                                                                                                                     | 300              | 7500          | -                 | 454 |             |                                           |            |
| 3.5                                                                                                                                                                     | 300              | 7500          | -                 | 399 |             |                                           |            |
| 3.8                                                                                                                                                                     | 300              | 7500          | -                 | 365 |             |                                           |            |
| 4.5                                                                                                                                                                     | 300              | 7500          | -                 | 312 |             |                                           |            |
| 4.7                                                                                                                                                                     | 300              | 7500          | -                 | 299 |             |                                           |            |
| 5.5                                                                                                                                                                     | 300              | 7500          | -                 | 254 |             |                                           |            |
| 6.0                                                                                                                                                                     | 300              | 7500          | -                 | 234 |             |                                           |            |
| 6.7                                                                                                                                                                     | 300              | 7500          | -                 | 210 |             |                                           |            |
| 7.4                                                                                                                                                                     | 300              | 7500          | -                 | 189 |             |                                           |            |
| 8.0                                                                                                                                                                     | 300              | 7500          | -                 | 174 |             |                                           |            |
| 9.0                                                                                                                                                                     | 300              | 7500          | -                 | 156 |             |                                           |            |
| 9.9                                                                                                                                                                     | 300              | 7500          | -                 | 142 |             |                                           |            |
| 12                                                                                                                                                                      | 300              | 7500          | -                 | 117 |             |                                           |            |
| 19                                                                                                                                                                      | 295              | 7500          | -                 | 75  |             |                                           |            |

| K47, $n_e=1400 \text{ min}^{-1}$                                                      |                  |               |                   |         | 400 Nm                                    |                   |            |                      |
|---------------------------------------------------------------------------------------|------------------|---------------|-------------------|---------|-------------------------------------------|-------------------|------------|----------------------|
| $n_a$<br>$\text{min}^{-1}$                                                            | $M_{amax}$<br>Nm | $F_{Ra}$<br>N | $\Phi_{(R)}$<br>° | i       | DRN<br>63MS<br>63M<br>71MS<br>71M<br>80MK | DRN<br>80M<br>90S | DRN<br>90L | DRN<br>100LS<br>100L |
|  3 |                  |               |                   |         |                                           |                   |            |                      |
| 11                                                                                    | 400              | 5920          | 7                 | 131.87* |                                           |                   |            |                      |
| 12                                                                                    | 400              | 5920          | 7                 | 121.48* |                                           |                   |            |                      |
| 13                                                                                    | 400              | 5920          | 7                 | 104.37  |                                           |                   |            |                      |
| 15                                                                                    | 400              | 5920          | 7                 | 90.86   |                                           |                   |            |                      |
| 16                                                                                    | 400              | 5920          | 7                 | 85.12*  |                                           |                   |            |                      |
| 19                                                                                    | 400              | 5920          | 7                 | 75.20*  |                                           |                   |            |                      |
| 20                                                                                    | 400              | 5920          | 7                 | 69.84   |                                           |                   |            |                      |
| 22                                                                                    | 400              | 5920          | 7                 | 63.30*  |                                           |                   |            |                      |
| 25                                                                                    | 400              | 5920          | 7                 | 56.83   |                                           |                   |            |                      |
| 29                                                                                    | 400              | 5920          | 7                 | 48.95*  |                                           |                   |            |                      |
| 30                                                                                    | 400              | 5920          | 7                 | 46.03*  |                                           |                   |            |                      |
| 35                                                                                    | 400              | 5920          | 7                 | 39.61   |                                           |                   |            |                      |
| 40                                                                                    | 400              | 5920          | 7                 | 35.39   |                                           |                   |            |                      |
| 45                                                                                    | 400              | 5700          | 8                 | 31.30   |                                           |                   |            |                      |
| 48                                                                                    | 400              | 5520          | 8                 | 29.32   |                                           |                   |            |                      |
| 54                                                                                    | 400              | 5170          | 8                 | 25.91   |                                           |                   |            |                      |
| 58                                                                                    | 400              | 4970          | 8                 | 24.06   |                                           |                   |            |                      |
| 64                                                                                    | 400              | 4710          | 8                 | 21.81   |                                           |                   |            |                      |
| 72                                                                                    | 400              | 4440          | 8                 | 19.58   |                                           |                   |            |                      |
| 83                                                                                    | 380              | 4220          | 8                 | 16.86   |                                           |                   |            |                      |

| K47, $n_e=1400 \text{ min}^{-1}$ |                  |               |                   |       | 400 Nm                             |            |     |               |
|----------------------------------|------------------|---------------|-------------------|-------|------------------------------------|------------|-----|---------------|
| $n_a$<br>$\text{min}^{-1}$       | $M_{amax}$<br>Nm | $F_{Ra}$<br>N | $\Phi_{(R)}$<br>° | i     | DRN                                | DRN        | DRN | DRN           |
|                                  |                  |               |                   |       | 63MS<br>63M<br>71MS<br>71M<br>80MK | 80M<br>90S | 90L | 100LS<br>100L |
| 88                               | 380              | 4080          | 8                 | 15.86 |                                    |            |     |               |
| 103                              | 360              | 3890          | 8                 | 13.65 |                                    |            |     |               |
| 115                              | 350              | 3720          | 9                 | 12.19 |                                    |            |     |               |
| 119                              | 280              | 4060          | 11                | 11.77 |                                    |            |     |               |
| 133                              | 280              | 3830          | 11                | 10.56 |                                    |            |     |               |
| 154                              | 280              | 3540          | 11                | 9.10  |                                    |            |     |               |
| 164                              | 270              | 3500          | 11                | 8.56  |                                    |            |     |               |
| 190                              | 250              | 3380          | 11                | 7.36  |                                    |            |     |               |
| 213                              | 240              | 3270          | 12                | 6.58  |                                    |            |     |               |
| 241                              | 230              | 3140          | 12                | 5.81  |                                    |            |     |               |
| 302                              | 205              | 2980          | 12                | 4.64  |                                    |            |     |               |

| K47R37, $n_e=1400 \text{ min}^{-1}$ |                  |               |                   |       | 400 Nm                             |            |     |               |
|-------------------------------------|------------------|---------------|-------------------|-------|------------------------------------|------------|-----|---------------|
| $n_a$<br>$\text{min}^{-1}$          | $M_{amax}$<br>Nm | $F_{Ra}$<br>N | $\Phi_{(R)}$<br>° | i     | DRN                                | DRN        | DRN | DRN           |
|                                     |                  |               |                   |       | 63MS<br>63M<br>71MS<br>71M<br>80MK | 80M<br>90S | 90L | 100LS<br>100L |
| 0.14                                | 400              | 5920          | -                 | 10138 |                                    |            |     |               |
| 0.16                                | 400              | 5920          | -                 | 8534  |                                    |            |     |               |
| 0.18                                | 400              | 5920          | -                 | 7662  |                                    |            |     |               |
| 0.21                                | 400              | 5920          | -                 | 6826  |                                    |            |     |               |
| 0.23                                | 400              | 5920          | -                 | 5983  |                                    |            |     |               |
| 0.27                                | 400              | 5920          | -                 | 5159  |                                    |            |     |               |
| 0.30                                | 400              | 5920          | -                 | 4601* |                                    |            |     |               |
| 0.36                                | 400              | 5920          | -                 | 3940  |                                    |            |     |               |
| 0.40                                | 400              | 5920          | -                 | 3477  |                                    |            |     |               |
| 0.46                                | 400              | 5920          | -                 | 3043  |                                    |            |     |               |
| 0.51                                | 400              | 5920          | -                 | 2733  |                                    |            |     |               |
| 0.59                                | 400              | 5920          | -                 | 2354  |                                    |            |     |               |
| 0.68                                | 400              | 5920          | -                 | 2063  |                                    |            |     |               |
| 0.77                                | 400              | 5920          | -                 | 1819  |                                    |            |     |               |
| 0.88                                | 400              | 5920          | -                 | 1586  |                                    |            |     |               |
| 1.0                                 | 400              | 5920          | -                 | 1388  |                                    |            |     |               |
| 1.1                                 | 400              | 5920          | -                 | 1222  |                                    |            |     |               |
| 1.3                                 | 400              | 5920          | -                 | 1097  |                                    |            |     |               |
| 1.5                                 | 400              | 5920          | -                 | 945   |                                    |            |     |               |
| 1.7                                 | 400              | 5920          | -                 | 831*  |                                    |            |     |               |
| 1.9                                 | 400              | 5920          | -                 | 718*  |                                    |            |     |               |
| 2.2                                 | 400              | 5920          | -                 | 639   |                                    |            |     |               |
| 2.5                                 | 400              | 5920          | -                 | 552   |                                    |            |     |               |
| 2.8                                 | 400              | 5920          | -                 | 495   |                                    |            |     |               |
| 3.3                                 | 400              | 5920          | -                 | 426   |                                    |            |     |               |
| 3.7                                 | 400              | 5920          | -                 | 375   |                                    |            |     |               |
| 4.3                                 | 400              | 5920          | -                 | 327   |                                    |            |     |               |
| 4.8                                 | 400              | 5920          | -                 | 289   |                                    |            |     |               |

| K47R37, $n_e=1400 \text{ min}^{-1}$ |                  |               |                   |     |                                           | 400 Nm            |                             |
|-------------------------------------|------------------|---------------|-------------------|-----|-------------------------------------------|-------------------|-----------------------------|
| $n_a$<br>$\text{min}^{-1}$          | $M_{amax}$<br>Nm | $F_{Ra}$<br>N | $\Phi_{(R)}$<br>° | $i$ | DRN<br>63MS<br>63M<br>71MS<br>71M<br>80MK | DRN<br>80M<br>90S | DRN<br>90L<br>100LS<br>100L |
| 5.5                                 | 400              | 5920          | -                 | 256 |                                           |                   |                             |
| 6.2                                 | 400              | 5920          | -                 | 225 |                                           |                   |                             |
| 7.1                                 | 400              | 5920          | -                 | 198 |                                           |                   |                             |
| 8.2                                 | 400              | 5920          | -                 | 171 |                                           |                   |                             |
| 9.2                                 | 400              | 5920          | -                 | 153 |                                           |                   |                             |
| 11                                  | 400              | 5920          | -                 | 131 |                                           |                   |                             |
| 12                                  | 400              | 5920          | -                 | 112 |                                           |                   |                             |
| 14                                  | 400              | 5920          | -                 | 99  |                                           |                   |                             |
| 15                                  | 400              | 5920          | -                 | 94  |                                           |                   |                             |

| K49, $n_e=1400 \text{ min}^{-1}$ |                  |               |                   |       |                                           | 500 Nm            |            |                      |             |                     |
|----------------------------------|------------------|---------------|-------------------|-------|-------------------------------------------|-------------------|------------|----------------------|-------------|---------------------|
| $n_a$<br>$\text{min}^{-1}$       | $M_{amax}$<br>Nm | $F_{Ra}$<br>N | $\Phi_{(R)}$<br>° | $i$   | DRN<br>63MS<br>63M<br>71MS<br>71M<br>80MK | DRN<br>80M<br>90S | DRN<br>90L | DRN<br>100LS<br>100L | DRN<br>112M | DRN<br>132S<br>132M |
| 19                               | 475              | 9000          | -                 | 75.20 |                                           |                   |            |                      |             |                     |
| 20                               | 445              | 9000          | -                 | 70.19 |                                           |                   |            |                      |             |                     |
| 23                               | 500              | 9000          | -                 | 60.27 |                                           |                   |            |                      |             |                     |
| 26                               | 500              | 8590          | -                 | 52.94 |                                           |                   |            |                      |             |                     |
| 28                               | 500              | 8380          | -                 | 50.29 |                                           |                   |            |                      |             |                     |
| 32                               | 500              | 7900          | -                 | 44.44 |                                           |                   |            |                      |             |                     |
| 37                               | 500              | 7310          | -                 | 37.98 |                                           |                   |            |                      |             |                     |
| 40                               | 500              | 7000          | -                 | 34.81 |                                           |                   |            |                      |             |                     |
| 46                               | 500              | 6550          | -                 | 30.55 |                                           |                   |            |                      |             |                     |
| 48                               | 500              | 6370          | -                 | 28.95 |                                           |                   |            |                      |             |                     |
| 55                               | 500              | 5940          | -                 | 25.34 |                                           |                   |            |                      |             |                     |
| 61                               | 500              | 5610          | -                 | 22.83 |                                           |                   |            |                      |             |                     |
| 70                               | 500              | 5220          | -                 | 20.03 |                                           |                   |            |                      |             |                     |
| 79                               | 500              | 4860          | -                 | 17.67 |                                           |                   |            |                      |             |                     |
| 89                               | 490              | 4590          | -                 | 15.67 |                                           |                   |            |                      |             |                     |
| 105                              | 470              | 4320          | -                 | 13.38 |                                           |                   |            |                      |             |                     |
| 123                              | 495              | 5000          | -                 | 11.37 |                                           |                   |            |                      |             |                     |
| 134                              | 480              | 4860          | -                 | 10.42 |                                           |                   |            |                      |             |                     |
| 153                              | 500              | 4460          | -                 | 9.14  |                                           |                   |            |                      |             |                     |
| 162                              | 500              | 4340          | -                 | 8.66  |                                           |                   |            |                      |             |                     |
| 185                              | 500              | 4050          | -                 | 7.58  |                                           |                   |            |                      |             |                     |
| 205                              | 500              | 3840          | -                 | 6.83  |                                           |                   |            |                      |             |                     |
| 234                              | 500              | 3570          | -                 | 5.99  |                                           |                   |            |                      |             |                     |
| 265                              | 485              | 3400          | -                 | 5.29  |                                           |                   |            |                      |             |                     |
| 299                              | 465              | 3270          | -                 | 4.69  |                                           |                   |            |                      |             |                     |
| 350                              | 440              | 3110          | -                 | 4.00  |                                           |                   |            |                      |             |                     |

| K49R37, $n_e=1400 \text{ min}^{-1}$                                                                                                                                         |                  |               |                   |      | 500 Nm                                    |                   |            |                      |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|---------------|-------------------|------|-------------------------------------------|-------------------|------------|----------------------|
| $n_a$<br>$\text{min}^{-1}$                                                                                                                                                  | $M_{amax}$<br>Nm | $F_{Ra}$<br>N | $\Phi_{(R)}$<br>° | i    | DRN<br>63MS<br>63M<br>71MS<br>71M<br>80MK | DRN<br>80M<br>90S | DRN<br>90L | DRN<br>100LS<br>100L |
|  2  3     |                  |               |                   |      |                                           |                   |            |                      |
| 0.20                                                                                                                                                                        | 500              | 9000          | -                 | 7137 |                                           |                   |            |                      |
| 0.23                                                                                                                                                                        | 500              | 9000          | -                 | 5991 |                                           |                   |            |                      |
| 0.27                                                                                                                                                                        | 500              | 9000          | -                 | 5120 |                                           |                   |            |                      |
| 0.35                                                                                                                                                                        | 500              | 9000          | -                 | 4034 |                                           |                   |            |                      |
| 0.39                                                                                                                                                                        | 500              | 9000          | -                 | 3580 |                                           |                   |            |                      |
| 0.45                                                                                                                                                                        | 500              | 9000          | -                 | 3081 |                                           |                   |            |                      |
| 0.50                                                                                                                                                                        | 500              | 9000          | -                 | 2773 |                                           |                   |            |                      |
| 0.55                                                                                                                                                                        | 500              | 9000          | -                 | 2545 |                                           |                   |            |                      |
| 0.59                                                                                                                                                                        | 500              | 9000          | -                 | 2372 |                                           |                   |            |                      |
| 0.66                                                                                                                                                                        | 500              | 9000          | -                 | 2118 |                                           |                   |            |                      |
| 0.72                                                                                                                                                                        | 500              | 9000          | -                 | 1941 |                                           |                   |            |                      |
| 0.80                                                                                                                                                                        | 500              | 9000          | -                 | 1741 |                                           |                   |            |                      |
| 0.86                                                                                                                                                                        | 500              | 9000          | -                 | 1632 |                                           |                   |            |                      |
| 0.92                                                                                                                                                                        | 500              | 9000          | -                 | 1521 |                                           |                   |            |                      |
| 1.1                                                                                                                                                                         | 500              | 9000          | -                 | 1228 |                                           |                   |            |                      |
| 1.4                                                                                                                                                                         | 500              | 9000          | -                 | 1000 |                                           |                   |            |                      |
|  2  2 |                  |               |                   |      |                                           |                   |            |                      |
| 0.98                                                                                                                                                                        | 500              | 9000          | -                 | 1424 |                                           |                   |            |                      |
| 1.1                                                                                                                                                                         | 500              | 9000          | -                 | 1309 |                                           |                   |            |                      |
| 1.2                                                                                                                                                                         | 500              | 9000          | -                 | 1120 |                                           |                   |            |                      |
| 1.5                                                                                                                                                                         | 500              | 9000          | -                 | 908  |                                           |                   |            |                      |
| 1.7                                                                                                                                                                         | 500              | 9000          | -                 | 802  |                                           |                   |            |                      |
| 2.0                                                                                                                                                                         | 500              | 9000          | -                 | 701  |                                           |                   |            |                      |
| 2.2                                                                                                                                                                         | 500              | 9000          | -                 | 645  |                                           |                   |            |                      |
| 2.4                                                                                                                                                                         | 500              | 9000          | -                 | 595  |                                           |                   |            |                      |
| 2.6                                                                                                                                                                         | 500              | 9000          | -                 | 543  |                                           |                   |            |                      |
| 2.8                                                                                                                                                                         | 500              | 9000          | -                 | 501  |                                           |                   |            |                      |
| 3.1                                                                                                                                                                         | 500              | 9000          | -                 | 449  |                                           |                   |            |                      |
| 3.5                                                                                                                                                                         | 500              | 9000          | -                 | 401  |                                           |                   |            |                      |
| 3.9                                                                                                                                                                         | 500              | 9000          | -                 | 360  |                                           |                   |            |                      |
| 4.2                                                                                                                                                                         | 500              | 9000          | -                 | 330  |                                           |                   |            |                      |
| 4.7                                                                                                                                                                         | 500              | 9000          | -                 | 300  |                                           |                   |            |                      |
| 5.1                                                                                                                                                                         | 500              | 9000          | -                 | 274  |                                           |                   |            |                      |
| 5.8                                                                                                                                                                         | 500              | 9000          | -                 | 243  |                                           |                   |            |                      |
| 6.5                                                                                                                                                                         | 500              | 9000          | -                 | 217  |                                           |                   |            |                      |
| 7.3                                                                                                                                                                         | 500              | 9000          | -                 | 193  |                                           |                   |            |                      |
| 8.0                                                                                                                                                                         | 500              | 9000          | -                 | 176  |                                           |                   |            |                      |
| 9.2                                                                                                                                                                         | 500              | 9000          | -                 | 152  |                                           |                   |            |                      |
| 11                                                                                                                                                                          | 500              | 9000          | -                 | 125  |                                           |                   |            |                      |
| 14                                                                                                                                                                          | 500              | 9000          | -                 | 99   |                                           |                   |            |                      |

| K57, $n_e=1400 \text{ min}^{-1}$                                                    |                  |               |                   |         |                                           | 600 Nm            |            |                      |             |                     |
|-------------------------------------------------------------------------------------|------------------|---------------|-------------------|---------|-------------------------------------------|-------------------|------------|----------------------|-------------|---------------------|
| $n_a$<br>$\text{min}^{-1}$                                                          | $M_{amax}$<br>Nm | $F_{Ra}$<br>N | $\Phi_{(R)}$<br>° | $i$     | DRN<br>63MS<br>63M<br>71MS<br>71M<br>80MK | DRN<br>80M<br>90S | DRN<br>90L | DRN<br>100LS<br>100L | DRN<br>112M | DRN<br>132S<br>132M |
|  3 |                  |               |                   |         |                                           |                   |            |                      |             |                     |
| 9.6                                                                                 | 600              | 7630          | 6                 | 145.14* |                                           |                   |            |                      |             |                     |
| 11                                                                                  | 600              | 7630          | 6                 | 123.85  |                                           |                   |            |                      |             |                     |
| 13                                                                                  | 600              | 7630          | 6                 | 108.29  |                                           |                   |            |                      |             |                     |
| 14                                                                                  | 600              | 7630          | 6                 | 102.88* |                                           |                   |            |                      |             |                     |
| 16                                                                                  | 600              | 7630          | 6                 | 90.26*  |                                           |                   |            |                      |             |                     |
| 18                                                                                  | 600              | 7630          | 6                 | 76.56*  |                                           |                   |            |                      |             |                     |
| 20                                                                                  | 600              | 7630          | 6                 | 69.12   |                                           |                   |            |                      |             |                     |
| 23                                                                                  | 600              | 7630          | 6                 | 60.81*  |                                           |                   |            |                      |             |                     |
| 24                                                                                  | 600              | 7630          | 6                 | 57.42*  |                                           |                   |            |                      |             |                     |
| 29                                                                                  | 600              | 7630          | 6                 | 48.89   |                                           |                   |            |                      |             |                     |
| 32                                                                                  | 600              | 7630          | 7                 | 44.43   |                                           |                   |            |                      |             |                     |
| 36                                                                                  | 600              | 7630          | 7                 | 38.49   |                                           |                   |            |                      |             |                     |
| 39                                                                                  | 600              | 7630          | 7                 | 35.70   |                                           |                   |            |                      |             |                     |
| 46                                                                                  | 600              | 7300          | 7                 | 30.28   |                                           |                   |            |                      |             |                     |
| 51                                                                                  | 600              | 6930          | 7                 | 27.34   |                                           |                   |            |                      |             |                     |
| 58                                                                                  | 600              | 6480          | 7                 | 24.05   |                                           |                   |            |                      |             |                     |
| 62                                                                                  | 600              | 6280          | 7                 | 22.71   |                                           |                   |            |                      |             |                     |
| 72                                                                                  | 575              | 5910          | 7                 | 19.34   |                                           |                   |            |                      |             |                     |
| 80                                                                                  | 555              | 5740          | 8                 | 17.57   |                                           |                   |            |                      |             |                     |
| 92                                                                                  | 535              | 5430          | 8                 | 15.22   |                                           |                   |            |                      |             |                     |
| 106                                                                                 | 510              | 5190          | 8                 | 13.25   |                                           |                   |            |                      |             |                     |
| 117                                                                                 | 415              | 5150          | 10                | 11.92   |                                           |                   |            |                      |             |                     |
| 124                                                                                 | 415              | 4990          | 10                | 11.26   |                                           |                   |            |                      |             |                     |
| 146                                                                                 | 405              | 4650          | 10                | 9.59    |                                           |                   |            |                      |             |                     |
| 161                                                                                 | 390              | 4520          | 10                | 8.71    |                                           |                   |            |                      |             |                     |
| 185                                                                                 | 365              | 4360          | 11                | 7.55    |                                           |                   |            |                      |             |                     |
| 213                                                                                 | 345              | 4180          | 11                | 6.57    |                                           |                   |            |                      |             |                     |
| 299                                                                                 | 300              | 3800          | 11                | 4.69    |                                           |                   |            |                      |             |                     |

| K57R37, $n_e=1400 \text{ min}^{-1}$                                                                                                                                         |                  |               |                   |        |                                           | 600 Nm            |            |                      |                      |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|---------------|-------------------|--------|-------------------------------------------|-------------------|------------|----------------------|----------------------|
| $n_a$<br>$\text{min}^{-1}$                                                                                                                                                  | $M_{amax}$<br>Nm | $F_{Ra}$<br>N | $\Phi_{(R)}$<br>° | $i$    | DRN<br>63MS<br>63M<br>71MS<br>71M<br>80MK | DRN<br>80M<br>90S | DRN<br>90L | DRN<br>100LS<br>100L | DRN<br>100LS<br>100L |
|  3  3 |                  |               |                   |        |                                           |                   |            |                      |                      |
| 0.12                                                                                                                                                                        | 600              | 7630          | -                 | 12169  |                                           |                   |            |                      |                      |
| 0.13                                                                                                                                                                        | 600              | 7630          | -                 | 11162* |                                           |                   |            |                      |                      |
| 0.15                                                                                                                                                                        | 600              | 7630          | -                 | 9503   |                                           |                   |            |                      |                      |
| 0.16                                                                                                                                                                        | 600              | 7630          | -                 | 8547   |                                           |                   |            |                      |                      |
| 0.19                                                                                                                                                                        | 600              | 7630          | -                 | 7277   |                                           |                   |            |                      |                      |
| 0.22                                                                                                                                                                        | 600              | 7630          | -                 | 6478*  |                                           |                   |            |                      |                      |
| 0.25                                                                                                                                                                        | 600              | 7630          | -                 | 5662*  |                                           |                   |            |                      |                      |
| 0.28                                                                                                                                                                        | 600              | 7630          | -                 | 5033   |                                           |                   |            |                      |                      |
| 0.32                                                                                                                                                                        | 600              | 7630          | -                 | 4340   |                                           |                   |            |                      |                      |
| 0.36                                                                                                                                                                        | 600              | 7630          | -                 | 3854   |                                           |                   |            |                      |                      |
| 0.41                                                                                                                                                                        | 600              | 7630          | -                 | 3390   |                                           |                   |            |                      |                      |

| K57R37, $n_e=1400 \text{ min}^{-1}$                                                                                                                                     |                  |               |                   |       | 600 Nm                                    |                   |            |                      |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|---------------|-------------------|-------|-------------------------------------------|-------------------|------------|----------------------|
| $n_a$<br>$\text{min}^{-1}$                                                                                                                                              | $M_{amax}$<br>Nm | $F_{Ra}$<br>N | $\Phi_{(R)}$<br>° | $i$   | DRN<br>63MS<br>63M<br>71MS<br>71M<br>80MK | DRN<br>80M<br>90S | DRN<br>90L | DRN<br>100LS<br>100L |
| 0.48                                                                                                                                                                    | 600              | 7630          | -                 | 2924  |                                           |                   |            |                      |
| 0.54                                                                                                                                                                    | 600              | 7630          | -                 | 2593  |                                           |                   |            |                      |
| 0.62                                                                                                                                                                    | 600              | 7630          | -                 | 2249  |                                           |                   |            |                      |
| 0.70                                                                                                                                                                    | 600              | 7630          | -                 | 1986  |                                           |                   |            |                      |
|  3  2 |                  |               |                   |       |                                           |                   |            |                      |
| 0.80                                                                                                                                                                    | 600              | 7630          | -                 | 1743  |                                           |                   |            |                      |
| 0.91                                                                                                                                                                    | 600              | 7630          | -                 | 1539  |                                           |                   |            |                      |
| 1.0                                                                                                                                                                     | 600              | 7630          | -                 | 1354  |                                           |                   |            |                      |
| 1.2                                                                                                                                                                     | 600              | 7630          | -                 | 1174  |                                           |                   |            |                      |
| 1.4                                                                                                                                                                     | 600              | 7630          | -                 | 1036* |                                           |                   |            |                      |
| 1.5                                                                                                                                                                     | 600              | 7630          | -                 | 906*  |                                           |                   |            |                      |
| 1.7                                                                                                                                                                     | 600              | 7630          | -                 | 806   |                                           |                   |            |                      |
| 2.0                                                                                                                                                                     | 600              | 7630          | -                 | 699   |                                           |                   |            |                      |
| 2.3                                                                                                                                                                     | 600              | 7630          | -                 | 615   |                                           |                   |            |                      |
| 2.6                                                                                                                                                                     | 600              | 7630          | -                 | 544*  |                                           |                   |            |                      |
| 3.0                                                                                                                                                                     | 600              | 7630          | -                 | 473   |                                           |                   |            |                      |
| 3.3                                                                                                                                                                     | 600              | 7630          | -                 | 421   |                                           |                   |            |                      |
| 3.9                                                                                                                                                                     | 600              | 7630          | -                 | 362   |                                           |                   |            |                      |
| 4.4                                                                                                                                                                     | 600              | 7630          | -                 | 319   |                                           |                   |            |                      |
| 5.0                                                                                                                                                                     | 600              | 7630          | -                 | 280   |                                           |                   |            |                      |
| 5.7                                                                                                                                                                     | 600              | 7630          | -                 | 246   |                                           |                   |            |                      |
| 6.5                                                                                                                                                                     | 600              | 7630          | -                 | 215   |                                           |                   |            |                      |
| 7.3                                                                                                                                                                     | 600              | 7630          | -                 | 192   |                                           |                   |            |                      |
| 8.4                                                                                                                                                                     | 600              | 7630          | -                 | 166   |                                           |                   |            |                      |
| 9.7                                                                                                                                                                     | 600              | 7630          | -                 | 145   |                                           |                   |            |                      |
| 11                                                                                                                                                                      | 600              | 7630          | -                 | 129   |                                           |                   |            |                      |
| 13                                                                                                                                                                      | 600              | 7630          | -                 | 111   |                                           |                   |            |                      |
| 14                                                                                                                                                                      | 600              | 7630          | -                 | 97    |                                           |                   |            |                      |

| K67, $n_e=1400 \text{ min}^{-1}$ |                  |               |                   |         | 820 Nm                                    |                   |            |                      |             |                     |
|----------------------------------|------------------|---------------|-------------------|---------|-------------------------------------------|-------------------|------------|----------------------|-------------|---------------------|
| $n_a$<br>$\text{min}^{-1}$       | $M_{amax}$<br>Nm | $F_{Ra}$<br>N | $\Phi_{(R)}$<br>° | $i$     | DRN<br>63MS<br>63M<br>71MS<br>71M<br>80MK | DRN<br>80M<br>90S | DRN<br>90L | DRN<br>100LS<br>100L | DRN<br>112M | DRN<br>132S<br>132M |
| 9.7                              | 820              | 10300         | 7                 | 144.79* |                                           |                   |            |                      |             |                     |
| 11                               | 820              | 10300         | 7                 | 123.54  |                                           |                   |            |                      |             |                     |
| 13                               | 820              | 10300         | 7                 | 108.03  |                                           |                   |            |                      |             |                     |
| 14                               | 820              | 10300         | 7                 | 102.62  |                                           |                   |            |                      |             |                     |
| 16                               | 820              | 10300         | 7                 | 90.04   |                                           |                   |            |                      |             |                     |
| 18                               | 820              | 10300         | 7                 | 76.37   |                                           |                   |            |                      |             |                     |
| 20                               | 820              | 10300         | 7                 | 68.95   |                                           |                   |            |                      |             |                     |
| 23                               | 820              | 10300         | 7                 | 60.66   |                                           |                   |            |                      |             |                     |
| 24                               | 820              | 10300         | 7                 | 57.28   |                                           |                   |            |                      |             |                     |
| 29                               | 820              | 10300         | 7                 | 48.77   |                                           |                   |            |                      |             |                     |
| 32                               | 820              | 10300         | 7                 | 44.32   |                                           |                   |            |                      |             |                     |
| 36                               | 800              | 10500         | 7                 | 38.39   |                                           |                   |            |                      |             |                     |

| K67, $n_e=1400 \text{ min}^{-1}$ |                  |               |                   |       | 820 Nm                                    |                   |            |                      |             |                     |
|----------------------------------|------------------|---------------|-------------------|-------|-------------------------------------------|-------------------|------------|----------------------|-------------|---------------------|
| $n_a$<br>$\text{min}^{-1}$       | $M_{amax}$<br>Nm | $F_{Ra}$<br>N | $\Phi_{(R)}$<br>° | $i$   | DRN<br>63MS<br>63M<br>71MS<br>71M<br>80MK | DRN<br>80M<br>90S | DRN<br>90L | DRN<br>100LS<br>100L | DRN<br>112M | DRN<br>132S<br>132M |
| 39                               | 820              | 10300         | 8                 | 35.62 |                                           |                   |            |                      |             |                     |
| 46                               | 820              | 10300         | 8                 | 30.22 |                                           |                   |            |                      |             |                     |
| 51                               | 820              | 10300         | 8                 | 27.28 |                                           |                   |            |                      |             |                     |
| 58                               | 800              | 10500         | 8                 | 24.00 |                                           |                   |            |                      |             |                     |
| 62                               | 780              | 10700         | 8                 | 22.66 |                                           |                   |            |                      |             |                     |
| 73                               | 760              | 10800         | 8                 | 19.30 |                                           |                   |            |                      |             |                     |
| 80                               | 740              | 11000         | 8                 | 17.54 |                                           |                   |            |                      |             |                     |
| 92                               | 700              | 11300         | 8                 | 15.19 |                                           |                   |            |                      |             |                     |
| 106                              | 670              | 11500         | 8                 | 13.22 |                                           |                   |            |                      |             |                     |
| 112                              | 530              | 12300         | 9                 | 12.48 |                                           |                   |            |                      |             |                     |
| 132                              | 500              | 11800         | 9                 | 10.63 |                                           |                   |            |                      |             |                     |
| 145                              | 480              | 11500         | 10                | 9.66  |                                           |                   |            |                      |             |                     |
| 167                              | 440              | 11100         | 10                | 8.37  |                                           |                   |            |                      |             |                     |
| 192                              | 420              | 10700         | 10                | 7.28  |                                           |                   |            |                      |             |                     |
| 269                              | 350              | 9860          | 10                | 5.20  |                                           |                   |            |                      |             |                     |

| K67R37, $n_e=1400 \text{ min}^{-1}$                                                                                                                                         |                  |               |                   |       | 820 Nm                                    |                   |            |                      |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|---------------|-------------------|-------|-------------------------------------------|-------------------|------------|----------------------|
| $n_a$<br>$\text{min}^{-1}$                                                                                                                                                  | $M_{amax}$<br>Nm | $F_{Ra}$<br>N | $\Phi_{(R)}$<br>° | $i$   | DRN<br>63MS<br>63M<br>71MS<br>71M<br>80MK | DRN<br>80M<br>90S | DRN<br>90L | DRN<br>100LS<br>100L |
|  3  3 |                  |               |                   |       |                                           |                   |            |                      |
| 0.12                                                                                                                                                                        | 820              | 10300         | -                 | 12139 |                                           |                   |            |                      |
| 0.13                                                                                                                                                                        | 820              | 10300         | -                 | 11134 |                                           |                   |            |                      |
| 0.15                                                                                                                                                                        | 820              | 10300         | -                 | 9479  |                                           |                   |            |                      |
| 0.17                                                                                                                                                                        | 820              | 10300         | -                 | 8173  |                                           |                   |            |                      |
| 0.19                                                                                                                                                                        | 820              | 10300         | -                 | 7259  |                                           |                   |            |                      |
| 0.22                                                                                                                                                                        | 820              | 10300         | -                 | 6462  |                                           |                   |            |                      |
| 0.25                                                                                                                                                                        | 820              | 10300         | -                 | 5648  |                                           |                   |            |                      |
| 0.29                                                                                                                                                                        | 820              | 10300         | -                 | 4846  |                                           |                   |            |                      |
| 0.32                                                                                                                                                                        | 820              | 10300         | -                 | 4329  |                                           |                   |            |                      |
| 0.37                                                                                                                                                                        | 820              | 10300         | -                 | 3750  |                                           |                   |            |                      |
| 0.42                                                                                                                                                                        | 820              | 10300         | -                 | 3315  |                                           |                   |            |                      |
| 0.48                                                                                                                                                                        | 820              | 10300         | -                 | 2917  |                                           |                   |            |                      |
| 0.55                                                                                                                                                                        | 820              | 10300         | -                 | 2532  |                                           |                   |            |                      |
| 0.62                                                                                                                                                                        | 820              | 10300         | -                 | 2244  |                                           |                   |            |                      |
| 0.71                                                                                                                                                                        | 820              | 10300         | -                 | 1981  |                                           |                   |            |                      |
|  3  2 |                  |               |                   |       |                                           |                   |            |                      |
| 0.81                                                                                                                                                                        | 820              | 10300         | -                 | 1739  |                                           |                   |            |                      |
| 0.91                                                                                                                                                                        | 820              | 10300         | -                 | 1535  |                                           |                   |            |                      |
| 1.0                                                                                                                                                                         | 820              | 10300         | -                 | 1351  |                                           |                   |            |                      |
| 1.2                                                                                                                                                                         | 820              | 10300         | -                 | 1171  |                                           |                   |            |                      |
| 1.4                                                                                                                                                                         | 820              | 10300         | -                 | 1034  |                                           |                   |            |                      |
| 1.6                                                                                                                                                                         | 820              | 10300         | -                 | 903   |                                           |                   |            |                      |
| 1.8                                                                                                                                                                         | 820              | 10300         | -                 | 793   |                                           |                   |            |                      |
| 2.0                                                                                                                                                                         | 820              | 10300         | -                 | 697   |                                           |                   |            |                      |
| 2.3                                                                                                                                                                         | 820              | 10300         | -                 | 613   |                                           |                   |            |                      |

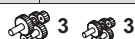
24832944/FR – 09/2018

| K67R37, $n_e=1400 \text{ min}^{-1}$ |                  |               |                   |     | 820 Nm                             |            |     |               |
|-------------------------------------|------------------|---------------|-------------------|-----|------------------------------------|------------|-----|---------------|
| $n_a$<br>$\text{min}^{-1}$          | $M_{amax}$<br>Nm | $F_{Ra}$<br>N | $\Phi_{(R)}$<br>° | i   | DRN                                | DRN        | DRN | DRN           |
|                                     |                  |               |                   |     | 63MS<br>63M<br>71MS<br>71M<br>80MK | 80M<br>90S | 90L | 100LS<br>100L |
| 2.6                                 | 820              | 10300         | -                 | 542 |                                    |            |     |               |
| 3.0                                 | 820              | 10300         | -                 | 471 |                                    |            |     |               |
| 3.3                                 | 820              | 10300         | -                 | 420 |                                    |            |     |               |
| 3.9                                 | 820              | 10300         | -                 | 361 |                                    |            |     |               |
| 4.3                                 | 820              | 10300         | -                 | 323 |                                    |            |     |               |
| 5.0                                 | 820              | 10300         | -                 | 279 |                                    |            |     |               |
| 5.7                                 | 820              | 10300         | -                 | 246 |                                    |            |     |               |
| 6.5                                 | 820              | 10300         | -                 | 217 |                                    |            |     |               |
| 7.3                                 | 820              | 10300         | -                 | 191 |                                    |            |     |               |
| 8.4                                 | 820              | 10300         | -                 | 166 |                                    |            |     |               |
| 9.7                                 | 820              | 10300         | -                 | 144 |                                    |            |     |               |
| 11                                  | 820              | 10300         | -                 | 122 |                                    |            |     |               |

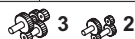
| K77, n <sub>e</sub> =1400 min <sup>-1</sup>                                                      |                         |                      |                        |        | 1550 Nm                            |            |     |               |      |              |                      |
|--------------------------------------------------------------------------------------------------|-------------------------|----------------------|------------------------|--------|------------------------------------|------------|-----|---------------|------|--------------|----------------------|
| n <sub>a</sub><br>min <sup>-1</sup>                                                              | M <sub>amax</sub><br>Nm | F <sub>Ra</sub><br>N | Φ <sub>(/R)</sub><br>° | i      | DRN                                | DRN        | DRN | DRN           | DRN  | DRN          | DRN                  |
|                                                                                                  |                         |                      |                        |        | 63MS<br>63M<br>71MS<br>71M<br>80MK | 80M<br>90S | 90L | 100LS<br>100L | 112M | 132S<br>132M | 132L<br>160M<br>160L |
| <div> 3</div> |                         |                      |                        |        |                                    |            |     |               |      |              |                      |
| 7.3                                                                                              | 1450                    | 16100                | 6                      | 192.18 |                                    |            |     |               |      |              |                      |
| 7.8                                                                                              | 1450                    | 16100                | 6                      | 179.37 |                                    |            |     |               |      |              |                      |
| 9.1                                                                                              | 1550                    | 15400                | 6                      | 154.02 |                                    |            |     |               |      |              |                      |
| 10                                                                                               | 1550                    | 15400                | 6                      | 135.28 |                                    |            |     |               |      |              |                      |
| 11                                                                                               | 1550                    | 15400                | 6                      | 128.52 |                                    |            |     |               |      |              |                      |
| 12                                                                                               | 1550                    | 15400                | 6                      | 113.56 |                                    |            |     |               |      |              |                      |
| 14                                                                                               | 1550                    | 15400                | 6                      | 97.05  |                                    |            |     |               |      |              |                      |
| 16                                                                                               | 1550                    | 15400                | 6                      | 88.97  |                                    |            |     |               |      |              |                      |
| 18                                                                                               | 1550                    | 15400                | 6                      | 78.07  |                                    |            |     |               |      |              |                      |
| 19                                                                                               | 1550                    | 15400                | 6                      | 73.99  |                                    |            |     |               |      |              |                      |
| 22                                                                                               | 1550                    | 15400                | 6                      | 64.75  |                                    |            |     |               |      |              |                      |
| 24                                                                                               | 1550                    | 15400                | 6                      | 58.34  |                                    |            |     |               |      |              |                      |
| 27                                                                                               | 1550                    | 15400                | 6                      | 51.18  |                                    |            |     |               |      |              |                      |
| 31                                                                                               | 1550                    | 15400                | 6                      | 45.16  |                                    |            |     |               |      |              |                      |
| 35                                                                                               | 1550                    | 15400                | 6                      | 40.04  |                                    |            |     |               |      |              |                      |
| 36                                                                                               | 1500                    | 15700                | 6                      | 38.39  |                                    |            |     |               |      |              |                      |
| 40                                                                                               | 1550                    | 15400                | 6                      | 35.20  |                                    |            |     |               |      |              |                      |
| 45                                                                                               | 1550                    | 15400                | 7                      | 30.89  |                                    |            |     |               |      |              |                      |
| 48                                                                                               | 1550                    | 15400                | 7                      | 29.27  |                                    |            |     |               |      |              |                      |
| 55                                                                                               | 1550                    | 15400                | 7                      | 25.62  |                                    |            |     |               |      |              |                      |
| 61                                                                                               | 1550                    | 15400                | 7                      | 23.08  |                                    |            |     |               |      |              |                      |
| 69                                                                                               | 1500                    | 15700                | 7                      | 20.25  |                                    |            |     |               |      |              |                      |
| 78                                                                                               | 1450                    | 16100                | 7                      | 17.87  |                                    |            |     |               |      |              |                      |
| 88                                                                                               | 1400                    | 15500                | 7                      | 15.84  |                                    |            |     |               |      |              |                      |
| 104                                                                                              | 1340                    | 14800                | 7                      | 13.52  |                                    |            |     |               |      |              |                      |
| 113                                                                                              | 1000                    | 15100                | 8                      | 12.36  |                                    |            |     |               |      |              |                      |
| 129                                                                                              | 990                     | 14400                | 8                      | 10.84  |                                    |            |     |               |      |              |                      |
| 146                                                                                              | 940                     | 13900                | 8                      | 9.56   |                                    |            |     |               |      |              |                      |
| 165                                                                                              | 890                     | 13500                | 9                      | 8.48   |                                    |            |     |               |      |              |                      |

| K77, $n_e=1400 \text{ min}^{-1}$ |                  |               |                   |      |                                           |                   |            |                      |             | 1550 Nm             |                             |
|----------------------------------|------------------|---------------|-------------------|------|-------------------------------------------|-------------------|------------|----------------------|-------------|---------------------|-----------------------------|
| $n_a$<br>$\text{min}^{-1}$       | $M_{amax}$<br>Nm | $F_{Ra}$<br>N | $\Phi_{(R)}$<br>° | $i$  | DRN<br>63MS<br>63M<br>71MS<br>71M<br>80MK | DRN<br>80M<br>90S | DRN<br>90L | DRN<br>100LS<br>100L | DRN<br>112M | DRN<br>132S<br>132M | DRN<br>132L<br>160M<br>160L |
| 193                              | 820              | 13100         | 9                 | 7.24 |                                           |                   |            |                      |             |                     |                             |

| K77R37, $n_e=1400 \text{ min}^{-1}$ |                  |               |                   |     |                                           |                   |            |                      |             | 1550 Nm             |                             |
|-------------------------------------|------------------|---------------|-------------------|-----|-------------------------------------------|-------------------|------------|----------------------|-------------|---------------------|-----------------------------|
| $n_a$<br>$\text{min}^{-1}$          | $M_{amax}$<br>Nm | $F_{Ra}$<br>N | $\Phi_{(R)}$<br>° | $i$ | DRN<br>63MS<br>63M<br>71MS<br>71M<br>80MK | DRN<br>80M<br>90S | DRN<br>90L | DRN<br>100LS<br>100L | DRN<br>112M | DRN<br>132S<br>132M | DRN<br>132L<br>160M<br>160L |



|      |      |       |   |       |  |  |  |  |  |  |  |
|------|------|-------|---|-------|--|--|--|--|--|--|--|
| 0.09 | 1550 | 15400 | - | 15310 |  |  |  |  |  |  |  |
| 0.10 | 1550 | 15400 | - | 14043 |  |  |  |  |  |  |  |
| 0.12 | 1550 | 15400 | - | 11955 |  |  |  |  |  |  |  |
| 0.14 | 1550 | 15400 | - | 10217 |  |  |  |  |  |  |  |
| 0.16 | 1550 | 15400 | - | 8809  |  |  |  |  |  |  |  |
| 0.19 | 1550 | 15400 | - | 7528  |  |  |  |  |  |  |  |
| 0.21 | 1550 | 15400 | - | 6606  |  |  |  |  |  |  |  |
| 0.24 | 1550 | 15400 | - | 5774  |  |  |  |  |  |  |  |
| 0.28 | 1550 | 15400 | - | 5089  |  |  |  |  |  |  |  |
| 0.31 | 1550 | 15400 | - | 4489  |  |  |  |  |  |  |  |
| 0.35 | 1550 | 15400 | - | 3961  |  |  |  |  |  |  |  |
| 0.40 | 1550 | 15400 | - | 3485  |  |  |  |  |  |  |  |
| 0.48 | 1550 | 15400 | - | 2901  |  |  |  |  |  |  |  |
| 0.52 | 1550 | 15400 | - | 2717  |  |  |  |  |  |  |  |
| 0.59 | 1550 | 15400 | - | 2370  |  |  |  |  |  |  |  |



|      |      |       |   |      |  |  |  |  |  |  |  |
|------|------|-------|---|------|--|--|--|--|--|--|--|
| 0.68 | 1550 | 15400 | - | 2050 |  |  |  |  |  |  |  |
| 0.79 | 1550 | 15400 | - | 1772 |  |  |  |  |  |  |  |
| 0.92 | 1550 | 15400 | - | 1514 |  |  |  |  |  |  |  |
| 1.0  | 1550 | 15400 | - | 1388 |  |  |  |  |  |  |  |
| 1.1  | 1550 | 15400 | - | 1218 |  |  |  |  |  |  |  |
| 1.3  | 1550 | 15400 | - | 1053 |  |  |  |  |  |  |  |
| 1.5  | 1550 | 15400 | - | 924  |  |  |  |  |  |  |  |
| 1.7  | 1550 | 15400 | - | 815  |  |  |  |  |  |  |  |
| 2.0  | 1550 | 15400 | - | 709  |  |  |  |  |  |  |  |
| 2.3  | 1550 | 15400 | - | 622  |  |  |  |  |  |  |  |
| 2.5  | 1550 | 15400 | - | 552  |  |  |  |  |  |  |  |
| 2.9  | 1550 | 15400 | - | 485  |  |  |  |  |  |  |  |
| 3.3  | 1550 | 15400 | - | 428  |  |  |  |  |  |  |  |
| 3.8  | 1550 | 15400 | - | 367  |  |  |  |  |  |  |  |
| 4.3  | 1550 | 15400 | - | 328  |  |  |  |  |  |  |  |
| 4.8  | 1550 | 15400 | - | 290  |  |  |  |  |  |  |  |
| 5.6  | 1550 | 15400 | - | 252  |  |  |  |  |  |  |  |
| 6.3  | 1550 | 15400 | - | 221  |  |  |  |  |  |  |  |
| 7.2  | 1550 | 15400 | - | 195  |  |  |  |  |  |  |  |
| 8.0  | 1550 | 15400 | - | 175  |  |  |  |  |  |  |  |
| 9.1  | 1550 | 15400 | - | 154  |  |  |  |  |  |  |  |

| K87, $n_e=1400 \text{ min}^{-1}$                                                    |                  |               |                   |         |                            |                   |            |                      |             |                     |                             |                     | 2700 Nm     |
|-------------------------------------------------------------------------------------|------------------|---------------|-------------------|---------|----------------------------|-------------------|------------|----------------------|-------------|---------------------|-----------------------------|---------------------|-------------|
| $n_a$<br>$\text{min}^{-1}$                                                          | $M_{amax}$<br>Nm | $F_{Ra}$<br>N | $\Phi_{(R)}$<br>° | $i$     | DRN<br>71MS<br>71M<br>80MK | DRN<br>80M<br>90S | DRN<br>90L | DRN<br>100LS<br>100L | DRN<br>112M | DRN<br>132S<br>132M | DRN<br>132L<br>160M<br>160L | DRN<br>180M<br>180L | DRN<br>200L |
|  3 |                  |               |                   |         |                            |                   |            |                      |             |                     |                             |                     |             |
| 7.1                                                                                 | 2700             | 27300         | 6                 | 197.37  |                            |                   |            |                      |             |                     |                             |                     |             |
| 8.0                                                                                 | 2700             | 27300         | 6                 | 174.19  |                            |                   |            |                      |             |                     |                             |                     |             |
| 8.5                                                                                 | 2700             | 27300         | 6                 | 164.34* |                            |                   |            |                      |             |                     |                             |                     |             |
| 9.5                                                                                 | 2700             | 27300         | 6                 | 147.32* |                            |                   |            |                      |             |                     |                             |                     |             |
| 11                                                                                  | 2700             | 27300         | 6                 | 126.91* |                            |                   |            |                      |             |                     |                             |                     |             |
| 12                                                                                  | 2700             | 27300         | 6                 | 115.82  |                            |                   |            |                      |             |                     |                             |                     |             |
| 14                                                                                  | 2700             | 27300         | 6                 | 102.71* |                            |                   |            |                      |             |                     |                             |                     |             |
| 16                                                                                  | 2700             | 27300         | 6                 | 86.34   |                            |                   |            |                      |             |                     |                             |                     |             |
| 18                                                                                  | 2700             | 27300         | 6                 | 79.34   |                            |                   |            |                      |             |                     |                             |                     |             |
| 20                                                                                  | 2700             | 27300         | 6                 | 70.46   |                            |                   |            |                      |             |                     |                             |                     |             |
| 22                                                                                  | 2700             | 26200         | 6                 | 63.00*  |                            |                   |            |                      |             |                     |                             |                     |             |
| 25                                                                                  | 2700             | 25000         | 6                 | 56.64   |                            |                   |            |                      |             |                     |                             |                     |             |
| 28                                                                                  | 2700             | 23500         | 6                 | 49.16   |                            |                   |            |                      |             |                     |                             |                     |             |
| 32                                                                                  | 2600             | 22800         | 6                 | 44.02   |                            |                   |            |                      |             |                     |                             |                     |             |
| 38                                                                                  | 2500             | 21400         | 6                 | 36.52*  |                            |                   |            |                      |             |                     |                             |                     |             |
| 45                                                                                  | 2700             | 19200         | 7                 | 31.39   |                            |                   |            |                      |             |                     |                             |                     |             |
| 50                                                                                  | 2600             | 18500         | 7                 | 27.88   |                            |                   |            |                      |             |                     |                             |                     |             |
| 56                                                                                  | 2500             | 18000         | 7                 | 24.92   |                            |                   |            |                      |             |                     |                             |                     |             |
| 62                                                                                  | 2300             | 17900         | 7                 | 22.41   |                            |                   |            |                      |             |                     |                             |                     |             |
| 72                                                                                  | 2300             | 16800         | 7                 | 19.45   |                            |                   |            |                      |             |                     |                             |                     |             |
| 80                                                                                  | 2200             | 16300         | 7                 | 17.42   |                            |                   |            |                      |             |                     |                             |                     |             |
| 88                                                                                  | 1800             | 16000         | 7                 | 16.00   |                            |                   |            |                      |             |                     |                             |                     |             |
| 97                                                                                  | 2100             | 15300         | 7                 | 14.45   |                            |                   |            |                      |             |                     |                             |                     |             |
| 111                                                                                 | 2000             | 14800         | 7                 | 12.56   |                            |                   |            |                      |             |                     |                             |                     |             |
| 125                                                                                 | 1500             | 14900         | 7                 | 11.17   |                            |                   |            |                      |             |                     |                             |                     |             |
| 140                                                                                 | 1500             | 14200         | 7                 | 10.00   |                            |                   |            |                      |             |                     |                             |                     |             |
| 169                                                                                 | 1400             | 13500         | 7                 | 8.29    |                            |                   |            |                      |             |                     |                             |                     |             |
| 194                                                                                 | 1300             | 13200         | 8                 | 7.21    |                            |                   |            |                      |             |                     |                             |                     |             |

| K87R57, n <sub>e</sub> =1400 min <sup>-1</sup>                                                                                                                              |                         |                      |                       |       |                                    |            |     |               |      | 2700 Nm      |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|----------------------|-----------------------|-------|------------------------------------|------------|-----|---------------|------|--------------|
| n <sub>a</sub><br>min <sup>-1</sup>                                                                                                                                         | M <sub>amax</sub><br>Nm | F <sub>Ra</sub><br>N | Φ <sub>(R)</sub><br>° | i     | DRN                                | DRN        | DRN | DRN           | DRN  | DRN          |
|                                                                                                                                                                             |                         |                      |                       |       | 63MS<br>63M<br>71MS<br>71M<br>80MK | 80M<br>90S | 90L | 100LS<br>100L | 112M | 132S<br>132M |
|  3  3 |                         |                      |                       |       |                                    |            |     |               |      |              |
| 0.09                                                                                                                                                                        | 2700                    | 27300                | -                     | 14829 |                                    |            |     |               |      |              |
| 0.11                                                                                                                                                                        | 2700                    | 27300                | -                     | 13168 |                                    |            |     |               |      |              |
| 0.12                                                                                                                                                                        | 2700                    | 27300                | -                     | 11737 |                                    |            |     |               |      |              |
| 0.14                                                                                                                                                                        | 2700                    | 27300                | -                     | 10217 |                                    |            |     |               |      |              |
| 0.15                                                                                                                                                                        | 2700                    | 27300                | -                     | 9073  |                                    |            |     |               |      |              |
| 0.18                                                                                                                                                                        | 2700                    | 27300                | -                     | 7854  |                                    |            |     |               |      |              |
| 0.20                                                                                                                                                                        | 2700                    | 27300                | -                     | 6832  |                                    |            |     |               |      |              |
| 0.24                                                                                                                                                                        | 2700                    | 27300                | -                     | 5930  |                                    |            |     |               |      |              |
| 0.27                                                                                                                                                                        | 2700                    | 27300                | -                     | 5240  |                                    |            |     |               |      |              |
| 0.31                                                                                                                                                                        | 2700                    | 27300                | -                     | 4562  |                                    |            |     |               |      |              |
| 0.35                                                                                                                                                                        | 2700                    | 27300                | -                     | 4037  |                                    |            |     |               |      |              |
| 0.39                                                                                                                                                                        | 2700                    | 27300                | -                     | 3609  |                                    |            |     |               |      |              |
| 0.45                                                                                                                                                                        | 2700                    | 27300                | -                     | 3107  |                                    |            |     |               |      |              |

| K87R57, $n_e=1400 \text{ min}^{-1}$                                                                                                                                     |                  |               |                   |      | 2700 Nm                                   |                   |            |                      |             |                     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|---------------|-------------------|------|-------------------------------------------|-------------------|------------|----------------------|-------------|---------------------|
| $n_a$<br>$\text{min}^{-1}$                                                                                                                                              | $M_{amax}$<br>Nm | $F_{Ra}$<br>N | $\Phi_{(R)}$<br>° | $i$  | DRN<br>63MS<br>63M<br>71MS<br>71M<br>80MK | DRN<br>80M<br>90S | DRN<br>90L | DRN<br>100LS<br>100L | DRN<br>112M | DRN<br>132S<br>132M |
| 0.51                                                                                                                                                                    | 2700             | 27300         | -                 | 2728 |                                           |                   |            |                      |             |                     |
| 0.59                                                                                                                                                                    | 2700             | 27300         | -                 | 2371 |                                           |                   |            |                      |             |                     |
|  3  2 |                  |               |                   |      |                                           |                   |            |                      |             |                     |
| 0.67                                                                                                                                                                    | 2700             | 27300         | -                 | 2088 |                                           |                   |            |                      |             |                     |
| 0.76                                                                                                                                                                    | 2700             | 27300         | -                 | 1854 |                                           |                   |            |                      |             |                     |
| 0.84                                                                                                                                                                    | 2700             | 27300         | -                 | 1657 |                                           |                   |            |                      |             |                     |
| 0.99                                                                                                                                                                    | 2700             | 27300         | -                 | 1415 |                                           |                   |            |                      |             |                     |
| 1.1                                                                                                                                                                     | 2700             | 27300         | -                 | 1229 |                                           |                   |            |                      |             |                     |
| 1.3                                                                                                                                                                     | 2700             | 27300         | -                 | 1078 |                                           |                   |            |                      |             |                     |
| 1.5                                                                                                                                                                     | 2700             | 27300         | -                 | 951  |                                           |                   |            |                      |             |                     |
| 1.7                                                                                                                                                                     | 2700             | 27300         | -                 | 837  |                                           |                   |            |                      |             |                     |
| 1.9                                                                                                                                                                     | 2700             | 27300         | -                 | 726  |                                           |                   |            |                      |             |                     |
| 2.2                                                                                                                                                                     | 2700             | 27300         | -                 | 638  |                                           |                   |            |                      |             |                     |
| 2.5                                                                                                                                                                     | 2700             | 27300         | -                 | 562* |                                           |                   |            |                      |             |                     |
| 3.0                                                                                                                                                                     | 2700             | 27300         | -                 | 474* |                                           |                   |            |                      |             |                     |
| 3.3                                                                                                                                                                     | 2700             | 27300         | -                 | 426  |                                           |                   |            |                      |             |                     |
| 3.8                                                                                                                                                                     | 2700             | 27300         | -                 | 373  |                                           |                   |            |                      |             |                     |
| 4.2                                                                                                                                                                     | 2700             | 27300         | -                 | 330  |                                           |                   |            |                      |             |                     |
| 4.8                                                                                                                                                                     | 2700             | 27300         | -                 | 294  |                                           |                   |            |                      |             |                     |
| 5.6                                                                                                                                                                     | 2700             | 27300         | -                 | 250  |                                           |                   |            |                      |             |                     |
| 5.9                                                                                                                                                                     | 2700             | 27300         | -                 | 236  |                                           |                   |            |                      |             |                     |
| 7.0                                                                                                                                                                     | 2700             | 27300         | -                 | 201  |                                           |                   |            |                      |             |                     |
| 7.7                                                                                                                                                                     | 2700             | 27300         | -                 | 183  |                                           |                   |            |                      |             |                     |
| 8.8                                                                                                                                                                     | 2700             | 27300         | -                 | 159  |                                           |                   |            |                      |             |                     |
| 9.9                                                                                                                                                                     | 2600             | 27400         | -                 | 141  |                                           |                   |            |                      |             |                     |

| K97, $n_e=1400 \text{ min}^{-1}$                                                      |                  |               |                   |         | 4300 Nm           |            |                      |             |                     |                             |                     |                     |
|---------------------------------------------------------------------------------------|------------------|---------------|-------------------|---------|-------------------|------------|----------------------|-------------|---------------------|-----------------------------|---------------------|---------------------|
| $n_a$<br>$\text{min}^{-1}$                                                            | $M_{amax}$<br>Nm | $F_{Ra}$<br>N | $\Phi_{(R)}$<br>° | $i$     | DRN<br>80M<br>90S | DRN<br>90L | DRN<br>100LS<br>100L | DRN<br>112M | DRN<br>132S<br>132M | DRN<br>132L<br>160M<br>160L | DRN<br>180M<br>180L | DRN<br>200L<br>225S |
|  3 |                  |               |                   |         |                   |            |                      |             |                     |                             |                     |                     |
| 8.0                                                                                   | 4300             | 40000         | 7                 | 176.05* |                   |            |                      |             |                     |                             |                     |                     |
| 9.1                                                                                   | 4300             | 40000         | 7                 | 153.21* |                   |            |                      |             |                     |                             |                     |                     |
| 10.0                                                                                  | 4300             | 40000         | 7                 | 140.28  |                   |            |                      |             |                     |                             |                     |                     |
| 11                                                                                    | 4300             | 40000         | 7                 | 123.93* |                   |            |                      |             |                     |                             |                     |                     |
| 13                                                                                    | 4300             | 40000         | 7                 | 105.13  |                   |            |                      |             |                     |                             |                     |                     |
| 14                                                                                    | 4300             | 40000         | 7                 | 96.80   |                   |            |                      |             |                     |                             |                     |                     |
| 16                                                                                    | 4300             | 38800         | 7                 | 86.52   |                   |            |                      |             |                     |                             |                     |                     |
| 18                                                                                    | 4300             | 37100         | 7                 | 77.89*  |                   |            |                      |             |                     |                             |                     |                     |
| 20                                                                                    | 4300             | 35600         | 7                 | 70.54   |                   |            |                      |             |                     |                             |                     |                     |
| 22                                                                                    | 4300             | 33800         | 7                 | 62.55   |                   |            |                      |             |                     |                             |                     |                     |
| 25                                                                                    | 4300             | 32300         | 7                 | 56.55   |                   |            |                      |             |                     |                             |                     |                     |
| 29                                                                                    | 4300             | 30000         | 7                 | 47.93*  |                   |            |                      |             |                     |                             |                     |                     |
| 33                                                                                    | 4300             | 28300         | 7                 | 41.87   |                   |            |                      |             |                     |                             |                     |                     |
| 37                                                                                    | 4300             | 27100         | 8                 | 38.30   |                   |            |                      |             |                     |                             |                     |                     |
| 41                                                                                    | 4300             | 25700         | 8                 | 34.23   |                   |            |                      |             |                     |                             |                     |                     |
| 45                                                                                    | 4300             | 24500         | 8                 | 30.82   |                   |            |                      |             |                     |                             |                     |                     |
| 50                                                                                    | 4300             | 23300         | 8                 | 27.91   |                   |            |                      |             |                     |                             |                     |                     |

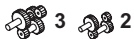
| K97, $n_e=1400 \text{ min}^{-1}$ |                  |               |                   |       |                   |            |                      |             |                     | 4300 Nm                     |                     |                     |
|----------------------------------|------------------|---------------|-------------------|-------|-------------------|------------|----------------------|-------------|---------------------|-----------------------------|---------------------|---------------------|
| $n_a$<br>$\text{min}^{-1}$       | $M_{amax}$<br>Nm | $F_{Ra}$<br>N | $\Phi_{(R)}$<br>° | $i$   | DRN<br>80M<br>90S | DRN<br>90L | DRN<br>100LS<br>100L | DRN<br>112M | DRN<br>132S<br>132M | DRN<br>132L<br>160M<br>160L | DRN<br>180M<br>180L | DRN<br>200L<br>225S |
| 57                               | 4300             | 22000         | 8                 | 24.75 |                   |            |                      |             |                     |                             |                     |                     |
| 63                               | 4300             | 20900         | 8                 | 22.37 |                   |            |                      |             |                     |                             |                     |                     |
| 74                               | 4300             | 19100         | 8                 | 18.96 |                   |            |                      |             |                     |                             |                     |                     |
| 85                               | 4300             | 17800         | 8                 | 16.56 |                   |            |                      |             |                     |                             |                     |                     |
| 101                              | 4300             | 16100         | 8                 | 13.85 |                   |            |                      |             |                     |                             |                     |                     |
| 117                              | 3890             | 16200         | 8                 | 11.99 |                   |            |                      |             |                     |                             |                     |                     |
| 134                              | 2870             | 16400         | 10                | 10.41 |                   |            |                      |             |                     |                             |                     |                     |
| 161                              | 2660             | 15800         | 10                | 8.71  |                   |            |                      |             |                     |                             |                     |                     |
| 186                              | 2400             | 15700         | 10                | 7.54  |                   |            |                      |             |                     |                             |                     |                     |

| K97R57, n <sub>e</sub> =1400 min <sup>-1</sup>                                                                                                                              |                         |                      |                        |       |                                    |            |     |               |      | 4300 Nm      |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|----------------------|------------------------|-------|------------------------------------|------------|-----|---------------|------|--------------|
| n <sub>a</sub><br>min <sup>-1</sup>                                                                                                                                         | M <sub>amax</sub><br>Nm | F <sub>Ra</sub><br>N | Φ <sub>(/R)</sub><br>° | i     | DRN                                | DRN        | DRN | DRN           | DRN  | DRN          |
|                                                                                                                                                                             |                         |                      |                        |       | 63MS<br>63M<br>71MS<br>71M<br>80MK | 80M<br>90S | 90L | 100LS<br>100L | 112M | 132S<br>132M |
|  3  3     |                         |                      |                        |       |                                    |            |     |               |      |              |
| 0.08                                                                                                                                                                        | 4300                    | 40000                | -                      | 18091 |                                    |            |     |               |      |              |
| 0.08                                                                                                                                                                        | 4300                    | 40000                | -                      | 16666 |                                    |            |     |               |      |              |
| 0.09                                                                                                                                                                        | 4300                    | 40000                | -                      | 14897 |                                    |            |     |               |      |              |
| 0.11                                                                                                                                                                        | 4300                    | 40000                | -                      | 13182 |                                    |            |     |               |      |              |
| 0.12                                                                                                                                                                        | 4300                    | 40000                | -                      | 11677 |                                    |            |     |               |      |              |
| 0.14                                                                                                                                                                        | 4300                    | 40000                | -                      | 10317 |                                    |            |     |               |      |              |
| 0.15                                                                                                                                                                        | 4300                    | 40000                | -                      | 9083  |                                    |            |     |               |      |              |
| 0.17                                                                                                                                                                        | 4300                    | 40000                | -                      | 8054  |                                    |            |     |               |      |              |
| 0.20                                                                                                                                                                        | 4300                    | 40000                | -                      | 6970  |                                    |            |     |               |      |              |
| 0.23                                                                                                                                                                        | 4300                    | 40000                | -                      | 6027  |                                    |            |     |               |      |              |
| 0.26                                                                                                                                                                        | 4300                    | 40000                | -                      | 5391  |                                    |            |     |               |      |              |
| 0.30                                                                                                                                                                        | 4300                    | 40000                | -                      | 4669  |                                    |            |     |               |      |              |
| 0.34                                                                                                                                                                        | 4300                    | 40000                | -                      | 4082  |                                    |            |     |               |      |              |
| 0.39                                                                                                                                                                        | 4300                    | 40000                | -                      | 3583  |                                    |            |     |               |      |              |
| 0.45                                                                                                                                                                        | 4300                    | 40000                | -                      | 3108* |                                    |            |     |               |      |              |
| 0.51                                                                                                                                                                        | 4300                    | 40000                | -                      | 2757  |                                    |            |     |               |      |              |
|  3  2 |                         |                      |                        |       |                                    |            |     |               |      |              |
| 0.58                                                                                                                                                                        | 4300                    | 40000                | -                      | 2419  |                                    |            |     |               |      |              |
| 0.66                                                                                                                                                                        | 4300                    | 40000                | -                      | 2123  |                                    |            |     |               |      |              |
| 0.75                                                                                                                                                                        | 4300                    | 40000                | -                      | 1856  |                                    |            |     |               |      |              |
| 0.86                                                                                                                                                                        | 4300                    | 40000                | -                      | 1625  |                                    |            |     |               |      |              |
| 0.98                                                                                                                                                                        | 4300                    | 40000                | -                      | 1430  |                                    |            |     |               |      |              |
| 1.1                                                                                                                                                                         | 4300                    | 40000                | -                      | 1261  |                                    |            |     |               |      |              |
| 1.3                                                                                                                                                                         | 4300                    | 40000                | -                      | 1102  |                                    |            |     |               |      |              |
| 1.5                                                                                                                                                                         | 4300                    | 40000                | -                      | 957   |                                    |            |     |               |      |              |
| 1.6                                                                                                                                                                         | 4300                    | 40000                | -                      | 855   |                                    |            |     |               |      |              |
| 1.9                                                                                                                                                                         | 4300                    | 40000                | -                      | 743   |                                    |            |     |               |      |              |
| 2.1                                                                                                                                                                         | 4300                    | 40000                | -                      | 652*  |                                    |            |     |               |      |              |
| 2.4                                                                                                                                                                         | 4300                    | 40000                | -                      | 573   |                                    |            |     |               |      |              |
| 2.8                                                                                                                                                                         | 4300                    | 40000                | -                      | 504   |                                    |            |     |               |      |              |
| 3.2                                                                                                                                                                         | 4300                    | 40000                | -                      | 437   |                                    |            |     |               |      |              |
| 3.7                                                                                                                                                                         | 4300                    | 40000                | -                      | 382*  |                                    |            |     |               |      |              |
| 4.1                                                                                                                                                                         | 4300                    | 40000                | -                      | 342*  |                                    |            |     |               |      |              |

| K97R57, $n_e=1400 \text{ min}^{-1}$ |                  |               |                   |     |                                           | 4300 Nm           |            |                      |             |                     |
|-------------------------------------|------------------|---------------|-------------------|-----|-------------------------------------------|-------------------|------------|----------------------|-------------|---------------------|
| $n_a$<br>$\text{min}^{-1}$          | $M_{amax}$<br>Nm | $F_{Ra}$<br>N | $\Phi_{(R)}$<br>° | $i$ | DRN<br>63MS<br>63M<br>71MS<br>71M<br>80MK | DRN<br>80M<br>90S | DRN<br>90L | DRN<br>100LS<br>100L | DRN<br>112M | DRN<br>132S<br>132M |
| 4.6                                 | 4300             | 40000         | -                 | 305 |                                           |                   |            |                      |             |                     |
| 5.4                                 | 4300             | 40000         | -                 | 258 |                                           |                   |            |                      |             |                     |
| 6.0                                 | 4300             | 40000         | -                 | 232 |                                           |                   |            |                      |             |                     |
| 7.0                                 | 4300             | 40000         | -                 | 199 |                                           |                   |            |                      |             |                     |

| K107, $n_e=1400 \text{ min}^{-1}$                                                   |                  |               |                   |         |                      | 8000 Nm     |                     |                             |                     |                             |             |
|-------------------------------------------------------------------------------------|------------------|---------------|-------------------|---------|----------------------|-------------|---------------------|-----------------------------|---------------------|-----------------------------|-------------|
| $n_a$<br>$\text{min}^{-1}$                                                          | $M_{amax}$<br>Nm | $F_{Ra}$<br>N | $\Phi_{(R)}$<br>° | $i$     | DRN<br>100LS<br>100L | DRN<br>112M | DRN<br>132S<br>132M | DRN<br>132L<br>160M<br>160L | DRN<br>180M<br>180L | DRN<br>200L<br>225S<br>225M | DRN<br>250M |
|  3 |                  |               |                   |         |                      |             |                     |                             |                     |                             |             |
| 9.8                                                                                 | 8000             | 65000         | 6                 | 143.47* |                      |             |                     |                             |                     |                             |             |
| 12                                                                                  | 8000             | 61500         | 6                 | 121.46  |                      |             |                     |                             |                     |                             |             |
| 12                                                                                  | 8000             | 59300         | 6                 | 112.41* |                      |             |                     |                             |                     |                             |             |
| 14                                                                                  | 8000             | 56200         | 6                 | 100.75  |                      |             |                     |                             |                     |                             |             |
| 15                                                                                  | 8000             | 53500         | 6                 | 90.96*  |                      |             |                     |                             |                     |                             |             |
| 17                                                                                  | 8000             | 50900         | 6                 | 82.61   |                      |             |                     |                             |                     |                             |             |
| 19                                                                                  | 8000             | 47900         | 6                 | 73.30   |                      |             |                     |                             |                     |                             |             |
| 21                                                                                  | 8000             | 45400         | 6                 | 66.52*  |                      |             |                     |                             |                     |                             |             |
| 24                                                                                  | 8000             | 41700         | 6                 | 57.17*  |                      |             |                     |                             |                     |                             |             |
| 28                                                                                  | 7840             | 39300         | 6                 | 49.90   |                      |             |                     |                             |                     |                             |             |
| 33                                                                                  | 7360             | 37900         | 6                 | 42.33*  |                      |             |                     |                             |                     |                             |             |
| 38                                                                                  | 7200             | 35800         | 6                 | 37.00*  |                      |             |                     |                             |                     |                             |             |
| 43                                                                                  | 7200             | 33200         | 7                 | 32.69   |                      |             |                     |                             |                     |                             |             |
| 45                                                                                  | 6800             | 34200         | 6                 | 31.28*  |                      |             |                     |                             |                     |                             |             |
| 48                                                                                  | 7200             | 30700         | 7                 | 29.00   |                      |             |                     |                             |                     |                             |             |
| 53                                                                                  | 7200             | 28800         | 7                 | 26.32   |                      |             |                     |                             |                     |                             |             |
| 62                                                                                  | 7200             | 25800         | 7                 | 22.62   |                      |             |                     |                             |                     |                             |             |
| 71                                                                                  | 7200             | 23200         | 7                 | 19.74   |                      |             |                     |                             |                     |                             |             |
| 84                                                                                  | 7050             | 21000         | 7                 | 16.75   |                      |             |                     |                             |                     |                             |             |
| 96                                                                                  | 6890             | 19500         | 7                 | 14.64   |                      |             |                     |                             |                     |                             |             |
| 104                                                                                 | 4300             | 29200         | 9                 | 13.43   |                      |             |                     |                             |                     |                             |             |
| 119                                                                                 | 4300             | 27500         | 9                 | 11.73   |                      |             |                     |                             |                     |                             |             |
| 141                                                                                 | 4190             | 25800         | 9                 | 9.94    |                      |             |                     |                             |                     |                             |             |
| 161                                                                                 | 4070             | 24600         | 9                 | 8.69    |                      |             |                     |                             |                     |                             |             |
| 190                                                                                 | 3600             | 24400         | 9                 | 7.35    |                      |             |                     |                             |                     |                             |             |

| K107R77, $n_e=1400 \text{ min}^{-1}$                                                                                                                                        |                  |               |                   |        |                                           | 8000 Nm           |            |                      |             |                     |                             |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|---------------|-------------------|--------|-------------------------------------------|-------------------|------------|----------------------|-------------|---------------------|-----------------------------|
| $n_a$<br>$\text{min}^{-1}$                                                                                                                                                  | $M_{amax}$<br>Nm | $F_{Ra}$<br>N | $\Phi_{(R)}$<br>° | $i$    | DRN<br>63MS<br>63M<br>71MS<br>71M<br>80MK | DRN<br>80M<br>90S | DRN<br>90L | DRN<br>100LS<br>100L | DRN<br>112M | DRN<br>132S<br>132M | DRN<br>132L<br>160M<br>160L |
|  3  3 |                  |               |                   |        |                                           |                   |            |                      |             |                     |                             |
| 0.10                                                                                                                                                                        | 8000             | 65000         | -                 | 14311* |                                           |                   |            |                      |             |                     |                             |
| 0.11                                                                                                                                                                        | 8000             | 65000         | -                 | 12211  |                                           |                   |            |                      |             |                     |                             |
| 0.13                                                                                                                                                                        | 8000             | 65000         | -                 | 10677  |                                           |                   |            |                      |             |                     |                             |
| 0.15                                                                                                                                                                        | 8000             | 65000         | -                 | 9524   |                                           |                   |            |                      |             |                     |                             |
| 0.17                                                                                                                                                                        | 8000             | 65000         | -                 | 8328   |                                           |                   |            |                      |             |                     |                             |

| K107R77, $n_e=1400 \text{ min}^{-1}$                                                |                  |               |                   |        |                                    |            |     |               |      | 8000 Nm      |                      |
|-------------------------------------------------------------------------------------|------------------|---------------|-------------------|--------|------------------------------------|------------|-----|---------------|------|--------------|----------------------|
| $n_a$<br>$\text{min}^{-1}$                                                          | $M_{amax}$<br>Nm | $F_{Ra}$<br>N | $\Phi_{(R)}$<br>° | i      | DRN                                | DRN        | DRN | DRN           | DRN  | DRN          | DRN                  |
|                                                                                     |                  |               |                   |        | 63MS<br>63M<br>71MS<br>71M<br>80MK | 80M<br>90S | 90L | 100LS<br>100L | 112M | 132S<br>132M | 132L<br>160M<br>160L |
| 0.19                                                                                | 8000             | 65000         | -                 | 7270   |                                    |            |     |               |      |              |                      |
| 0.23                                                                                | 8000             | 65000         | -                 | 6184   |                                    |            |     |               |      |              |                      |
| 0.25                                                                                | 8000             | 65000         | -                 | 5662   |                                    |            |     |               |      |              |                      |
| 0.27                                                                                | 8000             | 65000         | -                 | 5138   |                                    |            |     |               |      |              |                      |
| 0.32                                                                                | 8000             | 65000         | -                 | 4359*  |                                    |            |     |               |      |              |                      |
| 0.37                                                                                | 8000             | 65000         | -                 | 3810*  |                                    |            |     |               |      |              |                      |
| 0.42                                                                                | 8000             | 65000         | -                 | 3358   |                                    |            |     |               |      |              |                      |
| 0.47                                                                                | 8000             | 65000         | -                 | 2977*  |                                    |            |     |               |      |              |                      |
| 0.54                                                                                | 8000             | 65000         | -                 | 2599   |                                    |            |     |               |      |              |                      |
| 0.61                                                                                | 8000             | 65000         | -                 | 2286   |                                    |            |     |               |      |              |                      |
| 0.72                                                                                | 8000             | 65000         | -                 | 1939   |                                    |            |     |               |      |              |                      |
|    |                  |               |                   |        |                                    |            |     |               |      |              |                      |
| 0.82                                                                                | 8000             | 65000         | -                 | 1713   |                                    |            |     |               |      |              |                      |
| 0.90                                                                                | 8000             | 65000         | -                 | 1554   |                                    |            |     |               |      |              |                      |
| 1.0                                                                                 | 8000             | 65000         | -                 | 1336*  |                                    |            |     |               |      |              |                      |
| 1.2                                                                                 | 8000             | 65000         | -                 | 1166   |                                    |            |     |               |      |              |                      |
| 1.4                                                                                 | 8000             | 65000         | -                 | 1030   |                                    |            |     |               |      |              |                      |
| 1.5                                                                                 | 8000             | 65000         | -                 | 904    |                                    |            |     |               |      |              |                      |
| 1.8                                                                                 | 8000             | 65000         | -                 | 793*   |                                    |            |     |               |      |              |                      |
| 2.0                                                                                 | 8000             | 65000         | -                 | 696*   |                                    |            |     |               |      |              |                      |
| 2.3                                                                                 | 8000             | 65000         | -                 | 615    |                                    |            |     |               |      |              |                      |
| 2.7                                                                                 | 8000             | 65000         | -                 | 522    |                                    |            |     |               |      |              |                      |
| 3.0                                                                                 | 8000             | 65000         | -                 | 461*   |                                    |            |     |               |      |              |                      |
| 3.4                                                                                 | 8000             | 65000         | -                 | 408*   |                                    |            |     |               |      |              |                      |
| 3.8                                                                                 | 8000             | 65000         | -                 | 364    |                                    |            |     |               |      |              |                      |
| 4.4                                                                                 | 8000             | 65000         | -                 | 318    |                                    |            |     |               |      |              |                      |
| 4.9                                                                                 | 8000             | 65000         | -                 | 286*   |                                    |            |     |               |      |              |                      |
| 5.6                                                                                 | 8000             | 65000         | -                 | 251    |                                    |            |     |               |      |              |                      |
| 6.3                                                                                 | 8000             | 65000         | -                 | 222*   |                                    |            |     |               |      |              |                      |
| 7.1                                                                                 | 8000             | 65000         | -                 | 196*   |                                    |            |     |               |      |              |                      |
| 8.0                                                                                 | 7200             | 65000         | -                 | 174    |                                    |            |     |               |      |              |                      |
| 9.1                                                                                 | 7200             | 65000         | -                 | 154    |                                    |            |     |               |      |              |                      |
| 10                                                                                  | 7200             | 65000         | -                 | 140    |                                    |            |     |               |      |              |                      |
|  |                  |               |                   |        |                                    |            |     |               |      |              |                      |
| 9.6                                                                                 | 13000            | 79200         | 6                 | 146.07 |                                    |            |     |               |      |              |                      |
| 10                                                                                  | 13000            | 79200         | 6                 | 136.14 |                                    |            |     |               |      |              |                      |
| 11                                                                                  | 13000            | 79200         | 6                 | 122.48 |                                    |            |     |               |      |              |                      |
| 13                                                                                  | 13000            | 79200         | 6                 | 110.18 |                                    |            |     |               |      |              |                      |
| 16                                                                                  | 13000            | 75100         | 6                 | 89.89  |                                    |            |     |               |      |              |                      |
| 17                                                                                  | 13000            | 72100         | 6                 | 81.98  |                                    |            |     |               |      |              |                      |
| 20                                                                                  | 13000            | 67700         | 6                 | 70.95* |                                    |            |     |               |      |              |                      |
| 22                                                                                  | 13000            | 64000         | 6                 | 62.60  |                                    |            |     |               |      |              |                      |
| 26                                                                                  | 13000            | 59800         | 6                 | 54.07  |                                    |            |     |               |      |              |                      |

| K127, $n_e=1400 \text{ min}^{-1}$ |                  |               |                   |        |              |                      |              |                      |                      | 13000 Nm |     |
|-----------------------------------|------------------|---------------|-------------------|--------|--------------|----------------------|--------------|----------------------|----------------------|----------|-----|
| $n_a$<br>$\text{min}^{-1}$        | $M_{amax}$<br>Nm | $F_{Ra}$<br>N | $\Phi_{(R)}$<br>° | i      | DRN          | DRN                  | DRN          | DRN                  | DRN                  | DRN      | DRN |
|                                   |                  |               |                   |        | 132S<br>132M | 132L<br>160M<br>160L | 180M<br>180L | 200L<br>225S<br>225M | 250M<br>280S<br>280M |          |     |
| 9.6                               | 13000            | 79200         | 6                 | 146.07 |              |                      |              |                      |                      |          |     |
| 10                                | 13000            | 79200         | 6                 | 136.14 |              |                      |              |                      |                      |          |     |
| 11                                | 13000            | 79200         | 6                 | 122.48 |              |                      |              |                      |                      |          |     |
| 13                                | 13000            | 79200         | 6                 | 110.18 |              |                      |              |                      |                      |          |     |
| 16                                | 13000            | 75100         | 6                 | 89.89  |              |                      |              |                      |                      |          |     |
| 17                                | 13000            | 72100         | 6                 | 81.98  |              |                      |              |                      |                      |          |     |
| 20                                | 13000            | 67700         | 6                 | 70.95* |              |                      |              |                      |                      |          |     |
| 22                                | 13000            | 64000         | 6                 | 62.60  |              |                      |              |                      |                      |          |     |
| 26                                | 13000            | 59800         | 6                 | 54.07  |              |                      |              |                      |                      |          |     |

| K127, $n_e=1400 \text{ min}^{-1}$ |                  |               |                   |       | 13000 Nm            |                             |                     |                             |                             |
|-----------------------------------|------------------|---------------|-------------------|-------|---------------------|-----------------------------|---------------------|-----------------------------|-----------------------------|
| $n_a$<br>$\text{min}^{-1}$        | $M_{amax}$<br>Nm | $F_{Ra}$<br>N | $\Phi_{(R)}$<br>° | i     | DRN<br>132S<br>132M | DRN<br>132L<br>160M<br>160L | DRN<br>180M<br>180L | DRN<br>200L<br>225S<br>225M | DRN<br>250M<br>280S<br>280M |
| 29                                | 13000            | 56500         | 6                 | 47.82 |                     |                             |                     |                             |                             |
| 35                                | 13000            | 52000         | 6                 | 40.19 |                     |                             |                     |                             |                             |
| 39                                | 13000            | 49400         | 6                 | 36.25 |                     |                             |                     |                             |                             |
| 45                                | 13000            | 45900         | 6                 | 31.37 |                     |                             |                     |                             |                             |
| 51                                | 13000            | 43000         | 6                 | 27.68 |                     |                             |                     |                             |                             |
| 59                                | 13000            | 39800         | 6                 | 23.91 |                     |                             |                     |                             |                             |
| 66                                | 13000            | 37200         | 6                 | 21.15 |                     |                             |                     |                             |                             |
| 79                                | 13000            | 32600         | 6                 | 17.77 |                     |                             |                     |                             |                             |
| 98                                | 12100            | 31000         | 6                 | 14.35 |                     |                             |                     |                             |                             |
| 109                               | 8530             | 35400         | 8                 | 12.79 |                     |                             |                     |                             |                             |
| 130                               | 8000             | 33900         | 9                 | 10.74 |                     |                             |                     |                             |                             |
| 161                               | 7230             | 32500         | 9                 | 8.68  |                     |                             |                     |                             |                             |

| K127R77, $n_e=1400 \text{ min}^{-1}$                                                                                                                                        |                  |               |                   |       | 13000 Nm                                  |                   |            |                      |             |                     |                             |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|---------------|-------------------|-------|-------------------------------------------|-------------------|------------|----------------------|-------------|---------------------|-----------------------------|
| $n_a$<br>$\text{min}^{-1}$                                                                                                                                                  | $M_{amax}$<br>Nm | $F_{Ra}$<br>N | $\Phi_{(R)}$<br>° | i     | DRN<br>63MS<br>63M<br>71MS<br>71M<br>80MK | DRN<br>80M<br>90S | DRN<br>90L | DRN<br>100LS<br>100L | DRN<br>112M | DRN<br>132S<br>132M | DRN<br>132L<br>160M<br>160L |
|  3  3 |                  |               |                   |       |                                           |                   |            |                      |             |                     |                             |
| 0.08                                                                                                                                                                        | 13000            | 79200         | -                 | 17550 |                                           |                   |            |                      |             |                     |                             |
| 0.09                                                                                                                                                                        | 13000            | 79200         | -                 | 16006 |                                           |                   |            |                      |             |                     |                             |
| 0.09                                                                                                                                                                        | 13000            | 79200         | -                 | 14975 |                                           |                   |            |                      |             |                     |                             |
| 0.11                                                                                                                                                                        | 13000            | 79200         | -                 | 12440 |                                           |                   |            |                      |             |                     |                             |
| 0.13                                                                                                                                                                        | 13000            | 79200         | -                 | 10915 |                                           |                   |            |                      |             |                     |                             |
| 0.14                                                                                                                                                                        | 13000            | 79200         | -                 | 9819  |                                           |                   |            |                      |             |                     |                             |
| 0.17                                                                                                                                                                        | 13000            | 79200         | -                 | 8443  |                                           |                   |            |                      |             |                     |                             |
| 0.19                                                                                                                                                                        | 13000            | 79200         | -                 | 7482  |                                           |                   |            |                      |             |                     |                             |
| 0.21                                                                                                                                                                        | 13000            | 79200         | -                 | 6565  |                                           |                   |            |                      |             |                     |                             |
| 0.24                                                                                                                                                                        | 13000            | 79200         | -                 | 5804  |                                           |                   |            |                      |             |                     |                             |
| 0.28                                                                                                                                                                        | 13000            | 79200         | -                 | 5027  |                                           |                   |            |                      |             |                     |                             |
| 0.32                                                                                                                                                                        | 13000            | 79200         | -                 | 4423  |                                           |                   |            |                      |             |                     |                             |
| 0.36                                                                                                                                                                        | 13000            | 79200         | -                 | 3889  |                                           |                   |            |                      |             |                     |                             |
| 0.42                                                                                                                                                                        | 13000            | 79200         | -                 | 3311  |                                           |                   |            |                      |             |                     |                             |
| 0.47                                                                                                                                                                        | 13000            | 79200         | -                 | 3009  |                                           |                   |            |                      |             |                     |                             |
| 0.54                                                                                                                                                                        | 13000            | 79200         | -                 | 2607  |                                           |                   |            |                      |             |                     |                             |
| 0.62                                                                                                                                                                        | 13000            | 79200         | -                 | 2268  |                                           |                   |            |                      |             |                     |                             |
|  3  2 |                  |               |                   |       |                                           |                   |            |                      |             |                     |                             |
| 0.73                                                                                                                                                                        | 13000            | 79200         | -                 | 1926  |                                           |                   |            |                      |             |                     |                             |
| 0.80                                                                                                                                                                        | 13000            | 79200         | -                 | 1757  |                                           |                   |            |                      |             |                     |                             |
| 0.91                                                                                                                                                                        | 13000            | 79200         | -                 | 1541  |                                           |                   |            |                      |             |                     |                             |
| 1.0                                                                                                                                                                         | 13000            | 79200         | -                 | 1342  |                                           |                   |            |                      |             |                     |                             |
| 1.2                                                                                                                                                                         | 13000            | 79200         | -                 | 1177  |                                           |                   |            |                      |             |                     |                             |
| 1.4                                                                                                                                                                         | 13000            | 79200         | -                 | 1025  |                                           |                   |            |                      |             |                     |                             |
| 1.6                                                                                                                                                                         | 13000            | 79200         | -                 | 899   |                                           |                   |            |                      |             |                     |                             |
| 1.8                                                                                                                                                                         | 13000            | 79200         | -                 | 790   |                                           |                   |            |                      |             |                     |                             |
| 2.0                                                                                                                                                                         | 13000            | 79200         | -                 | 704   |                                           |                   |            |                      |             |                     |                             |
| 2.3                                                                                                                                                                         | 13000            | 79200         | -                 | 610   |                                           |                   |            |                      |             |                     |                             |
| 2.6                                                                                                                                                                         | 13000            | 79200         | -                 | 549   |                                           |                   |            |                      |             |                     |                             |
| 2.9                                                                                                                                                                         | 13000            | 79200         | -                 | 477   |                                           |                   |            |                      |             |                     |                             |

| K127R77, n <sub>e</sub> =1400 min <sup>-1</sup> |                         |                      |                        |     |                                    |            |     |               |      | 13000 Nm     |                      |
|-------------------------------------------------|-------------------------|----------------------|------------------------|-----|------------------------------------|------------|-----|---------------|------|--------------|----------------------|
| n <sub>a</sub><br>min <sup>-1</sup>             | M <sub>amax</sub><br>Nm | F <sub>Ra</sub><br>N | φ <sub>(/R)</sub><br>° | i   | DRN                                | DRN        | DRN | DRN           | DRN  | DRN          | DRN                  |
|                                                 |                         |                      |                        |     | 63MS<br>63M<br>71MS<br>71M<br>80MK | 80M<br>90S | 90L | 100LS<br>100L | 112M | 132S<br>132M | 132L<br>160M<br>160L |
| 3.3                                             | 13000                   | 79200                | -                      | 418 |                                    |            |     |               |      |              |                      |

| K127R87, n <sub>e</sub> =1400 min <sup>-1</sup> |                         |                      |                        |     | 13000 Nm          |            |                      |             |                     |                             |                     |             |
|-------------------------------------------------|-------------------------|----------------------|------------------------|-----|-------------------|------------|----------------------|-------------|---------------------|-----------------------------|---------------------|-------------|
| n <sub>a</sub><br>min <sup>-1</sup>             | M <sub>amax</sub><br>Nm | F <sub>Ra</sub><br>N | Φ <sub>(/R)</sub><br>° | i   | DRN<br>80M<br>90S | DRN<br>90L | DRN<br>100LS<br>100L | DRN<br>112M | DRN<br>132S<br>132M | DRN<br>132L<br>160M<br>160L | DRN<br>180M<br>180L | DRN<br>200L |
| 🔩 3 🔩 2                                         |                         |                      |                        |     |                   |            |                      |             |                     |                             |                     |             |
| 2.6                                             | 13000                   | 79200                | -                      | 536 |                   |            |                      |             |                     |                             |                     |             |
| 3.0                                             | 13000                   | 79200                | -                      | 473 |                   |            |                      |             |                     |                             |                     |             |
| 3.3                                             | 13000                   | 79200                | -                      | 418 |                   |            |                      |             |                     |                             |                     |             |
| 3.8                                             | 13000                   | 79200                | -                      | 367 |                   |            |                      |             |                     |                             |                     |             |
| 4.2                                             | 13000                   | 79200                | -                      | 330 |                   |            |                      |             |                     |                             |                     |             |
| 4.9                                             | 13000                   | 79200                | -                      | 287 |                   |            |                      |             |                     |                             |                     |             |
| 5.5                                             | 13000                   | 79200                | -                      | 253 |                   |            |                      |             |                     |                             |                     |             |
| 6.6                                             | 13000                   | 79200                | -                      | 213 |                   |            |                      |             |                     |                             |                     |             |
| 7.0                                             | 12000                   | 79700                | -                      | 200 |                   |            |                      |             |                     |                             |                     |             |
| 8.4                                             | 12000                   | 79700                | -                      | 166 |                   |            |                      |             |                     |                             |                     |             |
| 9.5                                             | 12000                   | 79700                | -                      | 147 |                   |            |                      |             |                     |                             |                     |             |

| K157, n <sub>e</sub> =1400 min <sup>-1</sup>                                          |                         |                      |                        |        |                      |              |                      |                      |              | 20000 Nm     |
|---------------------------------------------------------------------------------------|-------------------------|----------------------|------------------------|--------|----------------------|--------------|----------------------|----------------------|--------------|--------------|
| n <sub>a</sub><br>min <sup>-1</sup>                                                   | M <sub>amax</sub><br>Nm | F <sub>Ra</sub><br>N | Φ <sub>(/R)</sub><br>° | i      | DRN                  | DRN          | DRN                  | DRN                  | DRN          | DRN          |
|                                                                                       |                         |                      |                        |        | 132L<br>160M<br>160L | 180M<br>180L | 200L<br>225S<br>225M | 250M<br>280S<br>280M | 315S<br>315M | 315L<br>315H |
|  3 |                         |                      |                        |        |                      |              |                      |                      |              |              |
| 9.3                                                                                   | 20000                   | 111100               | 6                      | 150.41 |                      |              |                      |                      |              |              |
| 11                                                                                    | 20000                   | 102100               | 6                      | 122.39 |                      |              |                      |                      |              |              |
| 14                                                                                    | 20000                   | 93700                | 6                      | 100.22 |                      |              |                      |                      |              |              |
| 15                                                                                    | 20000                   | 90000                | 6                      | 91.65  |                      |              |                      |                      |              |              |
| 18                                                                                    | 20000                   | 84500                | 6                      | 79.75  |                      |              |                      |                      |              |              |
| 20                                                                                    | 20000                   | 79800                | 6                      | 70.38  |                      |              |                      |                      |              |              |
| 23                                                                                    | 20000                   | 74600                | 6                      | 61.02  |                      |              |                      |                      |              |              |
| 26                                                                                    | 20000                   | 70600                | 6                      | 54.29  |                      |              |                      |                      |              |              |
| 30                                                                                    | 20000                   | 65600                | 6                      | 46.79  |                      |              |                      |                      |              |              |
| 37                                                                                    | 20000                   | 59000                | 6                      | 38.02  |                      |              |                      |                      |              |              |
| 45                                                                                    | 19000                   | 55300                | 6                      | 31.30  |                      |              |                      |                      |              |              |
| 51                                                                                    | 20000                   | 49600                | 6                      | 27.62  |                      |              |                      |                      |              |              |
| 58                                                                                    | 20000                   | 45700                | 6                      | 23.95  |                      |              |                      |                      |              |              |
| 66                                                                                    | 20000                   | 42600                | 6                      | 21.31  |                      |              |                      |                      |              |              |
| 76                                                                                    | 20000                   | 38800                | 6                      | 18.37  |                      |              |                      |                      |              |              |
| 94                                                                                    | 20000                   | 33800                | 6                      | 14.92  |                      |              |                      |                      |              |              |
| 111                                                                                   | 18700                   | 32900                | 6                      | 12.65  |                      |              |                      |                      |              |              |

| K157R97, $n_e=1400 \text{ min}^{-1}$                                                                                                                                      |                  |               |                   |       | 20000 Nm                   |                   |            |                      |             |                     |                             |                     |                     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|---------------|-------------------|-------|----------------------------|-------------------|------------|----------------------|-------------|---------------------|-----------------------------|---------------------|---------------------|
| $n_a$<br>$\text{min}^{-1}$                                                                                                                                                | $M_{amax}$<br>Nm | $F_{Ra}$<br>N | $\Phi_{(R)}$<br>° | $i$   | DRN<br>71MS<br>71M<br>80MK | DRN<br>80M<br>90S | DRN<br>90L | DRN<br>100LS<br>100L | DRN<br>112M | DRN<br>132S<br>132M | DRN<br>132L<br>160M<br>160L | DRN<br>180M<br>180L | DRN<br>200L<br>225S |
|  3      |                  |               |                   |       |                            |                   |            |                      |             |                     |                             |                     |                     |
| 0.08                                                                                                                                                                      | 20000            | 111100        | -                 | 17679 |                            |                   |            |                      |             |                     |                             |                     |                     |
| 0.09                                                                                                                                                                      | 20000            | 111100        | -                 | 15729 |                            |                   |            |                      |             |                     |                             |                     |                     |
| 0.10                                                                                                                                                                      | 20000            | 111100        | -                 | 14721 |                            |                   |            |                      |             |                     |                             |                     |                     |
| 0.11                                                                                                                                                                      | 20000            | 111100        | -                 | 13097 |                            |                   |            |                      |             |                     |                             |                     |                     |
| 0.12                                                                                                                                                                      | 20000            | 111100        | -                 | 11368 |                            |                   |            |                      |             |                     |                             |                     |                     |
| 0.14                                                                                                                                                                      | 20000            | 111100        | -                 | 10114 |                            |                   |            |                      |             |                     |                             |                     |                     |
| 0.16                                                                                                                                                                      | 20000            | 111100        | -                 | 8718  |                            |                   |            |                      |             |                     |                             |                     |                     |
| 0.18                                                                                                                                                                      | 20000            | 111100        | -                 | 7734  |                            |                   |            |                      |             |                     |                             |                     |                     |
| 0.20                                                                                                                                                                      | 20000            | 111100        | -                 | 6881  |                            |                   |            |                      |             |                     |                             |                     |                     |
| 0.24                                                                                                                                                                      | 20000            | 111100        | -                 | 5931  |                            |                   |            |                      |             |                     |                             |                     |                     |
| 0.28                                                                                                                                                                      | 20000            | 111100        | -                 | 5074  |                            |                   |            |                      |             |                     |                             |                     |                     |
| 0.31                                                                                                                                                                      | 20000            | 111100        | -                 | 4514  |                            |                   |            |                      |             |                     |                             |                     |                     |
| 0.35                                                                                                                                                                      | 20000            | 111100        | -                 | 3979  |                            |                   |            |                      |             |                     |                             |                     |                     |
| 0.40                                                                                                                                                                      | 20000            | 111100        | -                 | 3516  |                            |                   |            |                      |             |                     |                             |                     |                     |
| 0.46                                                                                                                                                                      | 20000            | 111100        | -                 | 3051  |                            |                   |            |                      |             |                     |                             |                     |                     |
| 0.54                                                                                                                                                                      | 20000            | 111100        | -                 | 2610  |                            |                   |            |                      |             |                     |                             |                     |                     |
| 0.60                                                                                                                                                                      | 20000            | 111100        | -                 | 2322  |                            |                   |            |                      |             |                     |                             |                     |                     |
| 0.69                                                                                                                                                                      | 20000            | 111100        | -                 | 2029  |                            |                   |            |                      |             |                     |                             |                     |                     |
| 0.78                                                                                                                                                                      | 20000            | 111100        | -                 | 1805  |                            |                   |            |                      |             |                     |                             |                     |                     |
|  3  |                  |               |                   |       |                            |                   |            |                      |             |                     |                             |                     |                     |
| 0.84                                                                                                                                                                      | 20000            | 111100        | -                 | 1659  |                            |                   |            |                      |             |                     |                             |                     |                     |
| 1.0                                                                                                                                                                       | 20000            | 111100        | -                 | 1365  |                            |                   |            |                      |             |                     |                             |                     |                     |
| 1.1                                                                                                                                                                       | 20000            | 111100        | -                 | 1229* |                            |                   |            |                      |             |                     |                             |                     |                     |
| 1.3                                                                                                                                                                       | 20000            | 111100        | -                 | 1093* |                            |                   |            |                      |             |                     |                             |                     |                     |
| 1.5                                                                                                                                                                       | 20000            | 111100        | -                 | 942   |                            |                   |            |                      |             |                     |                             |                     |                     |
| 1.6                                                                                                                                                                       | 20000            | 111100        | -                 | 854   |                            |                   |            |                      |             |                     |                             |                     |                     |
| 1.9                                                                                                                                                                       | 20000            | 111100        | -                 | 756*  |                            |                   |            |                      |             |                     |                             |                     |                     |
| 2.1                                                                                                                                                                       | 20000            | 111100        | -                 | 661   |                            |                   |            |                      |             |                     |                             |                     |                     |
| 2.5                                                                                                                                                                       | 20000            | 111100        | -                 | 567   |                            |                   |            |                      |             |                     |                             |                     |                     |
| 2.8                                                                                                                                                                       | 20000            | 111100        | -                 | 504   |                            |                   |            |                      |             |                     |                             |                     |                     |
| 3.2                                                                                                                                                                       | 20000            | 111100        | -                 | 434*  |                            |                   |            |                      |             |                     |                             |                     |                     |
| 3.7                                                                                                                                                                       | 20000            | 111100        | -                 | 379   |                            |                   |            |                      |             |                     |                             |                     |                     |
| 4.2                                                                                                                                                                       | 20000            | 111100        | -                 | 333   |                            |                   |            |                      |             |                     |                             |                     |                     |
| 4.8                                                                                                                                                                       | 20000            | 111100        | -                 | 291   |                            |                   |            |                      |             |                     |                             |                     |                     |

| K157R107, $n_e=1400 \text{ min}^{-1}$                                                                                                                                 |                  |               |                   |     |                      | 20000 Nm    |                     |                             |                     |                             |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|---------------|-------------------|-----|----------------------|-------------|---------------------|-----------------------------|---------------------|-----------------------------|
| $n_a$<br>$\text{min}^{-1}$                                                                                                                                            | $M_{amax}$<br>Nm | $F_{Ra}$<br>N | $\Phi_{(R)}$<br>° | $i$ | DRN<br>100LS<br>100L | DRN<br>112M | DRN<br>132S<br>132M | DRN<br>132L<br>160M<br>160L | DRN<br>180M<br>180L | DRN<br>200L<br>225S<br>225M |
|  3  |                  |               |                   |     |                      |             |                     |                             |                     |                             |
| 3.6                                                                                                                                                                   | 20000            | 111100        | -                 | 385 |                      |             |                     |                             |                     |                             |
| 4.3                                                                                                                                                                   | 20000            | 111100        | -                 | 325 |                      |             |                     |                             |                     |                             |
| 4.7                                                                                                                                                                   | 20000            | 111100        | -                 | 299 |                      |             |                     |                             |                     |                             |
| 5.5                                                                                                                                                                   | 20000            | 111100        | -                 | 253 |                      |             |                     |                             |                     |                             |
| 6.1                                                                                                                                                                   | 20000            | 111100        | -                 | 230 |                      |             |                     |                             |                     |                             |
| 6.6                                                                                                                                                                   | 20000            | 111100        | -                 | 213 |                      |             |                     |                             |                     |                             |
| 7.5                                                                                                                                                                   | 20000            | 111100        | -                 | 187 |                      |             |                     |                             |                     |                             |
| 8.9                                                                                                                                                                   | 20000            | 111100        | -                 | 157 |                      |             |                     |                             |                     |                             |
| 11                                                                                                                                                                    | 20000            | 102100        | -                 | 122 |                      |             |                     |                             |                     |                             |
| 13                                                                                                                                                                    | 20000            | 96400         | -                 | 107 |                      |             |                     |                             |                     |                             |

| K167, $n_e=1400 \text{ min}^{-1}$                                                   |                  |               |                   |        |                             | 35000 Nm            |                             |                             |                     |                     |
|-------------------------------------------------------------------------------------|------------------|---------------|-------------------|--------|-----------------------------|---------------------|-----------------------------|-----------------------------|---------------------|---------------------|
| $n_a$<br>$\text{min}^{-1}$                                                          | $M_{amax}$<br>Nm | $F_{Ra}$<br>N | $\Phi_{(R)}$<br>° | $i$    | DRN<br>132L<br>160M<br>160L | DRN<br>180M<br>180L | DRN<br>200L<br>225S<br>225M | DRN<br>250M<br>280S<br>280M | DRN<br>315S<br>315M | DRN<br>315L<br>315H |
|  3 |                  |               |                   |        |                             |                     |                             |                             |                     |                     |
| 8.5                                                                                 | 33800            | 150000        | 5                 | 164.50 |                             |                     |                             |                             |                     |                     |
| 10                                                                                  | 35000            | 150000        | 5                 | 134.99 |                             |                     |                             |                             |                     |                     |
| 13                                                                                  | 35000            | 150000        | 5                 | 109.83 |                             |                     |                             |                             |                     |                     |
| 16                                                                                  | 35000            | 141700        | 5                 | 87.86  |                             |                     |                             |                             |                     |                     |
| 18                                                                                  | 35000            | 134600        | 5                 | 78.14  |                             |                     |                             |                             |                     |                     |
| 21                                                                                  | 35000            | 126500        | 5                 | 68.07  |                             |                     |                             |                             |                     |                     |
| 23                                                                                  | 35000            | 120100        | 5                 | 60.74  |                             |                     |                             |                             |                     |                     |
| 27                                                                                  | 35000            | 111500        | 5                 | 51.77  |                             |                     |                             |                             |                     |                     |
| 33                                                                                  | 35000            | 101900        | 5                 | 42.89  |                             |                     |                             |                             |                     |                     |
| 38                                                                                  | 35000            | 94200         | 5                 | 36.61  |                             |                     |                             |                             |                     |                     |
| 43                                                                                  | 35000            | 88200         | 5                 | 32.25  |                             |                     |                             |                             |                     |                     |
| 49                                                                                  | 35000            | 83100         | 5                 | 28.77  |                             |                     |                             |                             |                     |                     |
| 57                                                                                  | 35000            | 76200         | 5                 | 24.52  |                             |                     |                             |                             |                     |                     |
| 69                                                                                  | 35000            | 68500         | 5                 | 20.32  |                             |                     |                             |                             |                     |                     |
| 81                                                                                  | 35000            | 62400         | 5                 | 17.34  |                             |                     |                             |                             |                     |                     |

| K167R97, $n_e=1400 \text{ min}^{-1}$                                                                                                                                      |                  |               |                   |       |                            | 35000 Nm          |            |                      |             |                     |                             |                     |                     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|---------------|-------------------|-------|----------------------------|-------------------|------------|----------------------|-------------|---------------------|-----------------------------|---------------------|---------------------|
| $n_a$<br>$\text{min}^{-1}$                                                                                                                                                | $M_{amax}$<br>Nm | $F_{Ra}$<br>N | $\Phi_{(R)}$<br>° | $i$   | DRN<br>71MS<br>71M<br>80MK | DRN<br>80M<br>90S | DRN<br>90L | DRN<br>100LS<br>100L | DRN<br>112M | DRN<br>132S<br>132M | DRN<br>132L<br>160M<br>160L | DRN<br>180M<br>180L | DRN<br>200L<br>225S |
|  3  |                  |               |                   |       |                            |                   |            |                      |             |                     |                             |                     |                     |
| 0.07                                                                                                                                                                      | 35000            | 150000        | -                 | 19723 |                            |                   |            |                      |             |                     |                             |                     |                     |
| 0.08                                                                                                                                                                      | 35000            | 150000        | -                 | 17406 |                            |                   |            |                      |             |                     |                             |                     |                     |
| 0.09                                                                                                                                                                      | 35000            | 150000        | -                 | 15000 |                            |                   |            |                      |             |                     |                             |                     |                     |
| 0.11                                                                                                                                                                      | 35000            | 150000        | -                 | 13238 |                            |                   |            |                      |             |                     |                             |                     |                     |
| 0.12                                                                                                                                                                      | 35000            | 150000        | -                 | 11573 |                            |                   |            |                      |             |                     |                             |                     |                     |
| 0.14                                                                                                                                                                      | 35000            | 150000        | -                 | 10264 |                            |                   |            |                      |             |                     |                             |                     |                     |
| 0.16                                                                                                                                                                      | 35000            | 150000        | -                 | 8628  |                            |                   |            |                      |             |                     |                             |                     |                     |
| 0.21                                                                                                                                                                      | 35000            | 150000        | -                 | 6562  |                            |                   |            |                      |             |                     |                             |                     |                     |
| 0.26                                                                                                                                                                      | 35000            | 150000        | -                 | 5355  |                            |                   |            |                      |             |                     |                             |                     |                     |
| 0.29                                                                                                                                                                      | 35000            | 150000        | -                 | 4788  |                            |                   |            |                      |             |                     |                             |                     |                     |

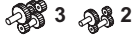
| K167R97, $n_e=1400 \text{ min}^{-1}$                                                                                                                                    |                  |               |                   |      |                     |            |     |               |      | 35000 Nm     |                      |              |              |     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|---------------|-------------------|------|---------------------|------------|-----|---------------|------|--------------|----------------------|--------------|--------------|-----|
| $n_a$<br>$\text{min}^{-1}$                                                                                                                                              | $M_{amax}$<br>Nm | $F_{Ra}$<br>N | $\Phi_{(R)}$<br>° | $i$  | DRN                 | DRN        | DRN | DRN           | DRN  | DRN          | DRN                  | DRN          | DRN          | DRN |
|                                                                                                                                                                         |                  |               |                   |      | 71MS<br>71M<br>80MK | 80M<br>90S | 90L | 100LS<br>100L | 112M | 132S<br>132M | 132L<br>160M<br>160L | 180M<br>180L | 200L<br>225S |     |
| 0.34                                                                                                                                                                    | 35000            | 150000        | -                 | 4079 |                     |            |     |               |      |              |                      |              |              |     |
| 0.41                                                                                                                                                                    | 35000            | 150000        | -                 | 3376 |                     |            |     |               |      |              |                      |              |              |     |
| 0.51                                                                                                                                                                    | 35000            | 150000        | -                 | 2755 |                     |            |     |               |      |              |                      |              |              |     |
| 0.62                                                                                                                                                                    | 35000            | 150000        | -                 | 2263 |                     |            |     |               |      |              |                      |              |              |     |
|  3  2 |                  |               |                   |      |                     |            |     |               |      |              |                      |              |              |     |
| 0.64                                                                                                                                                                    | 35000            | 150000        | -                 | 2182 |                     |            |     |               |      |              |                      |              |              |     |
| 0.82                                                                                                                                                                    | 35000            | 150000        | -                 | 1704 |                     |            |     |               |      |              |                      |              |              |     |
| 0.99                                                                                                                                                                    | 35000            | 150000        | -                 | 1408 |                     |            |     |               |      |              |                      |              |              |     |
| 1.1                                                                                                                                                                     | 35000            | 150000        | -                 | 1296 |                     |            |     |               |      |              |                      |              |              |     |
| 1.3                                                                                                                                                                     | 35000            | 150000        | -                 | 1101 |                     |            |     |               |      |              |                      |              |              |     |
| 1.5                                                                                                                                                                     | 35000            | 150000        | -                 | 944  |                     |            |     |               |      |              |                      |              |              |     |
| 1.7                                                                                                                                                                     | 35000            | 150000        | -                 | 843  |                     |            |     |               |      |              |                      |              |              |     |
| 1.8                                                                                                                                                                     | 35000            | 150000        | -                 | 757  |                     |            |     |               |      |              |                      |              |              |     |
| 2.2                                                                                                                                                                     | 35000            | 150000        | -                 | 632  |                     |            |     |               |      |              |                      |              |              |     |
| 2.5                                                                                                                                                                     | 35000            | 150000        | -                 | 561  |                     |            |     |               |      |              |                      |              |              |     |
| 2.9                                                                                                                                                                     | 35000            | 150000        | -                 | 481  |                     |            |     |               |      |              |                      |              |              |     |
| 3.3                                                                                                                                                                     | 35000            | 150000        | -                 | 423  |                     |            |     |               |      |              |                      |              |              |     |
| 3.8                                                                                                                                                                     | 35000            | 150000        | -                 | 369  |                     |            |     |               |      |              |                      |              |              |     |

| K167R107, n <sub>e</sub> =1400 min <sup>-1</sup>                                                                                                                            |                         |                      |                        |     |               |      |              |                      |              | 35000 Nm             |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|----------------------|------------------------|-----|---------------|------|--------------|----------------------|--------------|----------------------|--|
| n <sub>a</sub><br>min <sup>-1</sup>                                                                                                                                         | M <sub>amax</sub><br>Nm | F <sub>Ra</sub><br>N | Φ <sub>(/R)</sub><br>' | i   | DRN           | DRN  | DRN          | DRN                  | DRN          | DRN                  |  |
|                                                                                                                                                                             |                         |                      |                        |     | 100LS<br>100L | 112M | 132S<br>132M | 132L<br>160M<br>160L | 180M<br>180L | 200L<br>225S<br>225M |  |
|  3  2 |                         |                      |                        |     |               |      |              |                      |              |                      |  |
| 4.4                                                                                                                                                                         | 35000                   | 150000               | -                      | 318 |               |      |              |                      |              |                      |  |
| 5.0                                                                                                                                                                         | 35000                   | 150000               | -                      | 278 |               |      |              |                      |              |                      |  |
| 5.7                                                                                                                                                                         | 35000                   | 150000               | -                      | 244 |               |      |              |                      |              |                      |  |
| 6.6                                                                                                                                                                         | 35000                   | 150000               | -                      | 213 |               |      |              |                      |              |                      |  |
| 6.8                                                                                                                                                                         | 35000                   | 150000               | -                      | 206 |               |      |              |                      |              |                      |  |
| 7.8                                                                                                                                                                         | 35000                   | 150000               | -                      | 180 |               |      |              |                      |              |                      |  |
| 8.8                                                                                                                                                                         | 35000                   | 150000               | -                      | 160 |               |      |              |                      |              |                      |  |
| 10                                                                                                                                                                          | 35000                   | 150000               | -                      | 135 |               |      |              |                      |              |                      |  |
| 12                                                                                                                                                                          | 35000                   | 150000               | -                      | 118 |               |      |              |                      |              |                      |  |

| K187, n <sub>e</sub> =1400 min <sup>-1</sup>                                          |                         |                      |                        |        |                      |              |                      |                      |              | 53000 Nm     |  |
|---------------------------------------------------------------------------------------|-------------------------|----------------------|------------------------|--------|----------------------|--------------|----------------------|----------------------|--------------|--------------|--|
| n <sub>a</sub><br>min <sup>-1</sup>                                                   | M <sub>amax</sub><br>Nm | F <sub>Ra</sub><br>N | Φ <sub>(/R)</sub><br>° | i      | DRN                  | DRN          | DRN                  | DRN                  | DRN          | DRN          |  |
|                                                                                       |                         |                      |                        |        | 132L<br>160M<br>160L | 180M<br>180L | 200L<br>225S<br>225M | 250M<br>280S<br>280M | 315S<br>315M | 315L<br>315H |  |
|  3 |                         |                      |                        |        |                      |              |                      |                      |              |              |  |
| 7.8                                                                                   | 53000                   | 190000               | 4                      | 179.86 |                      |              |                      |                      |              |              |  |
| 8.5                                                                                   | 53000                   | 190000               | 4                      | 165.21 |                      |              |                      |                      |              |              |  |
| 9.7                                                                                   | 53000                   | 181500               | 4                      | 144.59 |                      |              |                      |                      |              |              |  |
| 11                                                                                    | 53000                   | 173100               | 4                      | 129.69 |                      |              |                      |                      |              |              |  |
| 12                                                                                    | 53000                   | 162500               | 4                      | 112.60 |                      |              |                      |                      |              |              |  |
| 14                                                                                    | 53000                   | 155400               | 4                      | 102.16 |                      |              |                      |                      |              |              |  |
| 16                                                                                    | 53000                   | 145000               | 4                      | 88.00  |                      |              |                      |                      |              |              |  |
| 19                                                                                    | 53000                   | 133500               | 4                      | 73.96  |                      |              |                      |                      |              |              |  |
| 22                                                                                    | 53000                   | 124400               | 4                      | 64.04  |                      |              |                      |                      |              |              |  |

| K187, $n_e=1400 \text{ min}^{-1}$ |                  |               |                   |        |                             | 53000 Nm            |                             |                             |                     |                     |
|-----------------------------------|------------------|---------------|-------------------|--------|-----------------------------|---------------------|-----------------------------|-----------------------------|---------------------|---------------------|
| $n_a$<br>$\text{min}^{-1}$        | $M_{amax}$<br>Nm | $F_{Ra}$<br>N | $\Phi_{(R)}$<br>° | $i$    | DRN<br>132L<br>160M<br>160L | DRN<br>180M<br>180L | DRN<br>200L<br>225S<br>225M | DRN<br>250M<br>280S<br>280M | DRN<br>315S<br>315M | DRN<br>315L<br>315H |
| 26                                | 53000            | 113400        | 4                 | 53.36  |                             |                     |                             |                             |                     |                     |
| 31                                | 53000            | 104300        | 4                 | 45.50* |                             |                     |                             |                             |                     |                     |
| 33                                | 53000            | 100500        | 5                 | 42.51  |                             |                     |                             |                             |                     |                     |
| 36                                | 53000            | 95300         | 5                 | 38.57  |                             |                     |                             |                             |                     |                     |
| 42                                | 53000            | 87500         | 5                 | 33.23  |                             |                     |                             |                             |                     |                     |
| 50                                | 53000            | 78900         | 5                 | 27.92  |                             |                     |                             |                             |                     |                     |
| 58                                | 53000            | 72100         | 5                 | 24.18  |                             |                     |                             |                             |                     |                     |
| 69                                | 49700            | 69000         | 5                 | 20.15  |                             |                     |                             |                             |                     |                     |
| 81                                | 46400            | 67300         | 5                 | 17.18  |                             |                     |                             |                             |                     |                     |

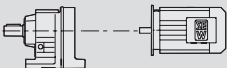
| K187R97, $n_e=1400 \text{ min}^{-1}$                                                                                                                                        |                  |               |                   |       |                            | 53000 Nm          |            |                      |             |                     |                             |                     |                     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|---------------|-------------------|-------|----------------------------|-------------------|------------|----------------------|-------------|---------------------|-----------------------------|---------------------|---------------------|
| $n_a$<br>$\text{min}^{-1}$                                                                                                                                                  | $M_{amax}$<br>Nm | $F_{Ra}$<br>N | $\Phi_{(R)}$<br>° | $i$   | DRN<br>71MS<br>71M<br>80MK | DRN<br>80M<br>90S | DRN<br>90L | DRN<br>100LS<br>100L | DRN<br>112M | DRN<br>132S<br>132M | DRN<br>132L<br>160M<br>160L | DRN<br>180M<br>180L | DRN<br>200L<br>225S |
|  3  3     |                  |               |                   |       |                            |                   |            |                      |             |                     |                             |                     |                     |
| 0.04                                                                                                                                                                        | 53000            | 190000        | -                 | 32625 |                            |                   |            |                      |             |                     |                             |                     |                     |
| 0.05                                                                                                                                                                        | 53000            | 190000        | -                 | 27165 |                            |                   |            |                      |             |                     |                             |                     |                     |
| 0.06                                                                                                                                                                        | 53000            | 190000        | -                 | 24353 |                            |                   |            |                      |             |                     |                             |                     |                     |
| 0.07                                                                                                                                                                        | 53000            | 190000        | -                 | 19144 |                            |                   |            |                      |             |                     |                             |                     |                     |
| 0.08                                                                                                                                                                        | 53000            | 190000        | -                 | 16978 |                            |                   |            |                      |             |                     |                             |                     |                     |
| 0.10                                                                                                                                                                        | 53000            | 190000        | -                 | 14272 |                            |                   |            |                      |             |                     |                             |                     |                     |
| 0.11                                                                                                                                                                        | 53000            | 190000        | -                 | 13116 |                            |                   |            |                      |             |                     |                             |                     |                     |
| 0.12                                                                                                                                                                        | 53000            | 190000        | -                 | 11647 |                            |                   |            |                      |             |                     |                             |                     |                     |
| 0.13                                                                                                                                                                        | 53000            | 190000        | -                 | 10413 |                            |                   |            |                      |             |                     |                             |                     |                     |
| 0.15                                                                                                                                                                        | 53000            | 190000        | -                 | 9363  |                            |                   |            |                      |             |                     |                             |                     |                     |
| 0.17                                                                                                                                                                        | 53000            | 190000        | -                 | 8126  |                            |                   |            |                      |             |                     |                             |                     |                     |
| 0.19                                                                                                                                                                        | 53000            | 190000        | -                 | 7343  |                            |                   |            |                      |             |                     |                             |                     |                     |
| 0.21                                                                                                                                                                        | 53000            | 190000        | -                 | 6747  |                            |                   |            |                      |             |                     |                             |                     |                     |
| 0.23                                                                                                                                                                        | 53000            | 190000        | -                 | 5991  |                            |                   |            |                      |             |                     |                             |                     |                     |
| 0.26                                                                                                                                                                        | 53000            | 190000        | -                 | 5358  |                            |                   |            |                      |             |                     |                             |                     |                     |
| 0.29                                                                                                                                                                        | 53000            | 190000        | -                 | 4817  |                            |                   |            |                      |             |                     |                             |                     |                     |
| 0.32                                                                                                                                                                        | 53000            | 190000        | -                 | 4370  |                            |                   |            |                      |             |                     |                             |                     |                     |
| 0.50                                                                                                                                                                        | 53000            | 190000        | -                 | 2818* |                            |                   |            |                      |             |                     |                             |                     |                     |
|  3  2 |                  |               |                   |       |                            |                   |            |                      |             |                     |                             |                     |                     |
| 0.39                                                                                                                                                                        | 53000            | 190000        | -                 | 3609  |                            |                   |            |                      |             |                     |                             |                     |                     |
| 0.46                                                                                                                                                                        | 53000            | 190000        | -                 | 3062  |                            |                   |            |                      |             |                     |                             |                     |                     |
| 0.56                                                                                                                                                                        | 53000            | 190000        | -                 | 2519  |                            |                   |            |                      |             |                     |                             |                     |                     |
| 0.62                                                                                                                                                                        | 53000            | 190000        | -                 | 2268  |                            |                   |            |                      |             |                     |                             |                     |                     |
| 0.68                                                                                                                                                                        | 53000            | 190000        | -                 | 2054  |                            |                   |            |                      |             |                     |                             |                     |                     |
| 0.77                                                                                                                                                                        | 53000            | 190000        | -                 | 1821  |                            |                   |            |                      |             |                     |                             |                     |                     |
| 0.87                                                                                                                                                                        | 53000            | 190000        | -                 | 1605  |                            |                   |            |                      |             |                     |                             |                     |                     |
| 1.0                                                                                                                                                                         | 53000            | 190000        | -                 | 1395  |                            |                   |            |                      |             |                     |                             |                     |                     |
| 1.2                                                                                                                                                                         | 53000            | 190000        | -                 | 1196  |                            |                   |            |                      |             |                     |                             |                     |                     |
| 1.3                                                                                                                                                                         | 53000            | 190000        | -                 | 1046  |                            |                   |            |                      |             |                     |                             |                     |                     |
| 1.5                                                                                                                                                                         | 53000            | 190000        | -                 | 945   |                            |                   |            |                      |             |                     |                             |                     |                     |
| 1.9                                                                                                                                                                         | 53000            | 190000        | -                 | 738   |                            |                   |            |                      |             |                     |                             |                     |                     |
| 2.3                                                                                                                                                                         | 53000            | 190000        | -                 | 621   |                            |                   |            |                      |             |                     |                             |                     |                     |
| 2.7                                                                                                                                                                         | 53000            | 190000        | -                 | 527   |                            |                   |            |                      |             |                     |                             |                     |                     |

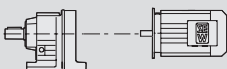
| <b>K187R107, <math>n_e=1400 \text{ min}^{-1}</math></b>                           |                  |               |                   |     | <b>53000 Nm</b>      |             |                     |                             |                     |                             |
|-----------------------------------------------------------------------------------|------------------|---------------|-------------------|-----|----------------------|-------------|---------------------|-----------------------------|---------------------|-----------------------------|
| $n_a$<br>$\text{min}^{-1}$                                                        | $M_{amax}$<br>Nm | $F_{Ra}$<br>N | $\Phi_{(R)}$<br>° | i   | DRN<br>100LS<br>100L | DRN<br>112M | DRN<br>132S<br>132M | DRN<br>132L<br>160M<br>160L | DRN<br>180M<br>180L | DRN<br>200L<br>225S<br>225M |
|  |                  |               |                   |     |                      |             |                     |                             |                     |                             |
| 1.7                                                                               | 53000            | 190000        | -                 | 835 |                      |             |                     |                             |                     |                             |
| 1.9                                                                               | 53000            | 190000        | -                 | 729 |                      |             |                     |                             |                     |                             |
| 2.3                                                                               | 53000            | 190000        | -                 | 622 |                      |             |                     |                             |                     |                             |
| 2.7                                                                               | 53000            | 190000        | -                 | 520 |                      |             |                     |                             |                     |                             |
| 3.1                                                                               | 53000            | 190000        | -                 | 454 |                      |             |                     |                             |                     |                             |
| 3.9                                                                               | 53000            | 190000        | -                 | 355 |                      |             |                     |                             |                     |                             |
| 5.4                                                                               | 53000            | 190000        | -                 | 261 |                      |             |                     |                             |                     |                             |
| 6.3                                                                               | 53000            | 190000        | -                 | 221 |                      |             |                     |                             |                     |                             |
| 7.3                                                                               | 53000            | 190000        | -                 | 193 |                      |             |                     |                             |                     |                             |
| 8.6                                                                               | 53000            | 190000        | -                 | 163 |                      |             |                     |                             |                     |                             |

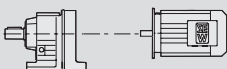
## 10.3 Tableaux de sélection K..DRN.. en kW

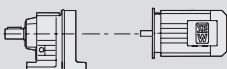
| P <sub>m</sub> = 0.12 kW            |                      |       |                                    |                       |                                                                                    |        |     |       |         |                                                                                     |
|-------------------------------------|----------------------|-------|------------------------------------|-----------------------|------------------------------------------------------------------------------------|--------|-----|-------|---------|-------------------------------------------------------------------------------------|
| n <sub>a</sub><br>min <sup>-1</sup> | M <sub>a</sub><br>Nm | i     | F <sub>Ra</sub> <sup>1)</sup><br>N | SEW<br>f <sub>B</sub> |  |        |     |       | m<br>kg |  |
| 0.08                                | 10800                | 17550 | 80300                              | 1.20                  | K<br>KF<br>KA<br>KAF                                                               | 127R77 | DRN | 63MS4 | 470     | 713                                                                                 |
| 0.09                                | 9890                 | 16006 | 80700                              | 1.30                  |                                                                                    |        |     |       |         |                                                                                     |
| 0.09                                | 9260                 | 14975 | 81000                              | 1.40                  |                                                                                    |        |     |       |         |                                                                                     |
| 0.11                                | 7690                 | 12440 | 81600                              | 1.70                  |                                                                                    |        |     |       |         |                                                                                     |
| 0.13                                | 6750                 | 10915 | 81800                              | 1.95                  |                                                                                    |        |     |       |         |                                                                                     |
| 0.14                                | 6070                 | 9819  | 82000                              | 2.1                   |                                                                                    |        |     |       |         |                                                                                     |
| 0.16                                | 5180                 | 8443  | 82200                              | 2.5                   |                                                                                    |        |     |       |         |                                                                                     |
| 0.18                                | 4620                 | 7482  | 82400                              | 2.8                   |                                                                                    |        |     |       |         |                                                                                     |
| 0.10                                | 8850                 | 14311 | 65000                              | 0.90                  | K<br>KF<br>KA<br>KAF                                                               | 107R77 | DRN | 63MS4 | 310     | 713                                                                                 |
| 0.11                                | 7550                 | 12211 | 65000                              | 1.05                  |                                                                                    |        |     |       |         |                                                                                     |
| 0.13                                | 6600                 | 10677 | 65000                              | 1.20                  |                                                                                    |        |     |       |         |                                                                                     |
| 0.14                                | 5890                 | 9524  | 65000                              | 1.35                  |                                                                                    |        |     |       |         |                                                                                     |
| 0.17                                | 5150                 | 8328  | 65000                              | 1.55                  |                                                                                    |        |     |       |         |                                                                                     |
| 0.19                                | 4490                 | 7270  | 65000                              | 1.80                  |                                                                                    |        |     |       |         |                                                                                     |
| 0.22                                | 3700                 | 6184  | 65000                              | 2.2                   |                                                                                    |        |     |       |         |                                                                                     |
| 0.24                                | 3210                 | 5662  | 65000                              | 2.5                   |                                                                                    |        |     |       |         |                                                                                     |
| 0.27                                | 2910                 | 5138  | 65000                              | 2.7                   | K<br>KF<br>KA<br>KAF                                                               | 97R57  | DRN | 63MS4 | 180     | 713                                                                                 |
| 0.32                                | 2670                 | 4359  | 65000                              | 3.0                   |                                                                                    |        |     |       |         |                                                                                     |
| 0.20                                | 4420                 | 6970  | 40000                              | 0.95                  |                                                                                    |        |     |       |         |                                                                                     |
| 0.23                                | 4000                 | 6027  | 40000                              | 1.05                  |                                                                                    |        |     |       |         |                                                                                     |
| 0.26                                | 3650                 | 5391  | 40000                              | 1.20                  |                                                                                    |        |     |       |         |                                                                                     |
| 0.30                                | 3020                 | 4669  | 40000                              | 1.40                  |                                                                                    |        |     |       |         |                                                                                     |
| 0.34                                | 2730                 | 4082  | 40000                              | 1.55                  |                                                                                    |        |     |       |         |                                                                                     |
| 0.39                                | 2370                 | 3583  | 40000                              | 1.80                  |                                                                                    |        |     |       |         |                                                                                     |
| 0.44                                | 2090                 | 3108  | 40000                              | 2.0                   | K<br>KF<br>KA<br>KAF                                                               | 97R57  | DRN | 63MS4 | 200     | 713                                                                                 |
| 0.50                                | 1760                 | 2757  | 40000                              | 2.4                   |                                                                                    |        |     |       |         |                                                                                     |
| 0.57                                | 1650                 | 2419  | 40000                              | 2.6                   |                                                                                    |        |     |       |         |                                                                                     |
| 0.65                                | 1420                 | 2123  | 40000                              | 3.0                   |                                                                                    |        |     |       |         |                                                                                     |
| 0.74                                | 1270                 | 1856  | 40000                              | 3.4                   |                                                                                    |        |     |       |         |                                                                                     |
| 0.85                                | 1040                 | 1625  | 40000                              | 4.1                   |                                                                                    |        |     |       |         |                                                                                     |
| 0.96                                | 890                  | 1430  | 40000                              | 4.8                   |                                                                                    |        |     |       |         |                                                                                     |
| 1.1                                 | 860                  | 1261  | 40000                              | 5.0                   |                                                                                    |        |     |       |         |                                                                                     |
| 1.2                                 | 755                  | 1102  | 40000                              | 5.7                   | K<br>KF<br>KA<br>KAF                                                               | 87R57  | DRN | 63MS4 | 120     | 713                                                                                 |
| 0.30                                | 2890                 | 4562  | 27000                              | 0.95                  |                                                                                    |        |     |       |         |                                                                                     |
| 0.34                                | 2680                 | 4037  | 27300                              | 1.00                  |                                                                                    |        |     |       |         |                                                                                     |
| 0.38                                | 2390                 | 3609  | 27600                              | 1.15                  |                                                                                    |        |     |       |         |                                                                                     |
| 0.44                                | 2060                 | 3107  | 28000                              | 1.30                  |                                                                                    |        |     |       |         |                                                                                     |
| 0.51                                | 1730                 | 2728  | 28300                              | 1.55                  |                                                                                    |        |     |       |         |                                                                                     |
| 0.58                                | 1530                 | 2371  | 28400                              | 1.75                  | K<br>KF<br>KA<br>KAF                                                               | 87R57  | DRN | 63MS4 | 120     | 713                                                                                 |
| 0.66                                | 1430                 | 2088  | 28500                              | 1.90                  |                                                                                    |        |     |       |         |                                                                                     |
| 0.74                                | 1270                 | 1854  | 28600                              | 2.1                   |                                                                                    |        |     |       |         |                                                                                     |
| 0.83                                | 1130                 | 1657  | 28700                              | 2.4                   |                                                                                    |        |     |       |         |                                                                                     |
| 0.97                                | 960                  | 1415  | 28800                              | 2.8                   |                                                                                    |        |     |       |         |                                                                                     |
| 1.1                                 | 830                  | 1229  | 28900                              | 3.2                   |                                                                                    |        |     |       |         |                                                                                     |
| 1.3                                 | 720                  | 1078  | 28900                              | 3.7                   |                                                                                    |        |     |       |         |                                                                                     |
| 1.4                                 | 610                  | 951   | 29000                              | 4.4                   |                                                                                    |        |     |       |         |                                                                                     |
| 1.6                                 | 520                  | 837   | 29000                              | 5.2                   |                                                                                    |        |     |       |         |                                                                                     |
| 1.9                                 | 450                  | 726   | 29000                              | 5.9                   | K<br>KF<br>KA<br>KAF                                                               | 77R37  | DRN | 63MS4 | 70      | 713                                                                                 |
| 0.51                                | 1840                 | 2717  | 11500                              | 0.85                  |                                                                                    |        |     |       |         |                                                                                     |
| 0.58                                | 1530                 | 2370  | 15500                              | 1.00                  |                                                                                    |        |     |       |         |                                                                                     |
| 0.58                                | 1530                 | 2370  | 15500                              | 1.00                  |                                                                                    |        |     |       |         |                                                                                     |
| 0.67                                | 1430                 | 2050  | 16100                              | 1.10                  | K<br>KF<br>KA<br>KAF                                                               | 77R37  | DRN | 63MS4 | 69      | 713                                                                                 |
| 0.78                                | 1220                 | 1772  | 17300                              | 1.25                  |                                                                                    |        |     |       |         |                                                                                     |
| 0.91                                | 1040                 | 1514  | 18100                              | 1.50                  |                                                                                    |        |     |       |         |                                                                                     |
| 0.99                                | 960                  | 1388  | 18500                              | 1.60                  |                                                                                    |        |     |       |         |                                                                                     |
| 1.1                                 | 840                  | 1218  | 18900                              | 1.85                  |                                                                                    |        |     |       |         |                                                                                     |
| 1.3                                 | 735                  | 1053  | 19200                              | 2.1                   |                                                                                    |        |     |       |         |                                                                                     |
| 1.5                                 | 645                  | 924   | 19400                              | 2.4                   |                                                                                    |        |     |       |         |                                                                                     |
| 1.7                                 | 570                  | 815   | 19600                              | 2.7                   |                                                                                    |        |     |       |         |                                                                                     |
| 1.9                                 | 445                  | 709   | 19800                              | 3.5                   |                                                                                    |        |     |       |         |                                                                                     |
| 2.2                                 | 390                  | 622   | 19900                              | 3.9                   |                                                                                    |        |     |       |         |                                                                                     |

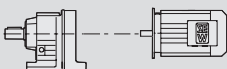
**P<sub>m</sub> = 0.12 kW**

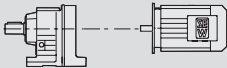
| $n_a$<br>min <sup>-1</sup> | M <sub>a</sub><br>Nm | i    | F <sub>Ra</sub> <sup>1)</sup><br>N | SEW<br>f <sub>B</sub> |  |       |     |       | m<br>kg |  |
|----------------------------|----------------------|------|------------------------------------|-----------------------|------------------------------------------------------------------------------------|-------|-----|-------|---------|-------------------------------------------------------------------------------------|
| 1.0                        | 960                  | 1351 | 6940                               | 0.85                  | K<br>KF<br>KA<br>KAF                                                               | 67R37 | DRN | 63MS4 | 45      | 713                                                                                 |
| 1.2                        | 820                  | 1171 | 10300                              | 1.00                  |                                                                                    |       |     |       |         |                                                                                     |
| 1.3                        | 720                  | 1034 | 11100                              | 1.15                  |                                                                                    |       |     |       |         |                                                                                     |
| 1.5                        | 600                  | 903  | 11900                              | 1.35                  |                                                                                    |       |     |       |         |                                                                                     |
| 1.7                        | 570                  | 793  | 12100                              | 1.45                  |                                                                                    |       |     |       |         |                                                                                     |
| 2.0                        | 455                  | 697  | 12600                              | 1.80                  |                                                                                    |       |     |       |         |                                                                                     |
| 2.2                        | 400                  | 613  | 12800                              | 2.0                   |                                                                                    |       |     |       |         |                                                                                     |
| 2.5                        | 350                  | 542  | 13000                              | 2.3                   |                                                                                    |       |     |       |         |                                                                                     |
| 2.9                        | 325                  | 471  | 13000                              | 2.5                   |                                                                                    |       |     |       |         |                                                                                     |
| 3.3                        | 270                  | 420  | 13000                              | 3.0                   |                                                                                    |       |     |       |         |                                                                                     |
| 3.8                        | 245                  | 361  | 13000                              | 3.3                   |                                                                                    |       |     |       |         |                                                                                     |
| 4.3                        | 215                  | 323  | 13000                              | 3.8                   |                                                                                    |       |     |       |         |                                                                                     |
| 5.0                        | 181                  | 279  | 13000                              | 4.5                   |                                                                                    |       |     |       |         |                                                                                     |
| 5.6                        | 159                  | 246  | 13000                              | 5.2                   |                                                                                    |       |     |       |         |                                                                                     |
| 6.3                        | 139                  | 217  | 13000                              | 5.9                   |                                                                                    |       |     |       |         |                                                                                     |
| 1.5                        | 605                  | 906  | 7580                               | 1.00                  | K<br>KF<br>KA<br>KAF                                                               | 57R37 | DRN | 63MS4 | 39      | 713                                                                                 |
| 1.7                        | 545                  | 806  | 8060                               | 1.10                  |                                                                                    |       |     |       |         |                                                                                     |
| 2.0                        | 455                  | 699  | 8620                               | 1.30                  |                                                                                    |       |     |       |         |                                                                                     |
| 2.2                        | 400                  | 615  | 8870                               | 1.50                  |                                                                                    |       |     |       |         |                                                                                     |
| 2.5                        | 350                  | 544  | 9080                               | 1.70                  |                                                                                    |       |     |       |         |                                                                                     |
| 2.9                        | 320                  | 473  | 9190                               | 1.85                  |                                                                                    |       |     |       |         |                                                                                     |
| 3.3                        | 270                  | 421  | 9390                               | 2.2                   |                                                                                    |       |     |       |         |                                                                                     |
| 3.8                        | 245                  | 362  | 9470                               | 2.4                   |                                                                                    |       |     |       |         |                                                                                     |
| 4.3                        | 215                  | 319  | 9570                               | 2.8                   |                                                                                    |       |     |       |         |                                                                                     |
| 4.9                        | 181                  | 280  | 9690                               | 3.3                   |                                                                                    |       |     |       |         |                                                                                     |
| 5.6                        | 159                  | 246  | 9760                               | 3.8                   |                                                                                    |       |     |       |         |                                                                                     |
| 6.4                        | 141                  | 215  | 9810                               | 4.3                   |                                                                                    |       |     |       |         |                                                                                     |
| 7.2                        | 126                  | 192  | 9850                               | 4.8                   |                                                                                    |       |     |       |         |                                                                                     |
| 1.5                        | 615                  | 908  | 9000                               | 0.80                  | K<br>KF<br>KA<br>KAF                                                               | 49R37 | DRN | 63MS4 | 43      | 713                                                                                 |
| 1.7                        | 545                  | 802  | 9000                               | 0.90                  |                                                                                    |       |     |       |         |                                                                                     |
| 2.0                        | 460                  | 701  | 9000                               | 1.10                  |                                                                                    |       |     |       |         |                                                                                     |
| 2.1                        | 445                  | 645  | 9000                               | 1.10                  |                                                                                    |       |     |       |         |                                                                                     |
| 2.3                        | 385                  | 595  | 9000                               | 1.30                  |                                                                                    |       |     |       |         |                                                                                     |
| 2.5                        | 360                  | 543  | 9000                               | 1.35                  |                                                                                    |       |     |       |         |                                                                                     |
| 2.8                        | 315                  | 501  | 9000                               | 1.60                  |                                                                                    |       |     |       |         |                                                                                     |
| 3.1                        | 285                  | 449  | 9000                               | 1.75                  |                                                                                    |       |     |       |         |                                                                                     |
| 3.4                        | 245                  | 401  | 9000                               | 2.0                   |                                                                                    |       |     |       |         |                                                                                     |
| 3.8                        | 225                  | 360  | 9000                               | 2.2                   |                                                                                    |       |     |       |         |                                                                                     |
| 4.2                        | 205                  | 330  | 9000                               | 2.4                   |                                                                                    |       |     |       |         |                                                                                     |
| 4.6                        | 197                  | 300  | 9000                               | 2.5                   |                                                                                    |       |     |       |         |                                                                                     |
| 5.0                        | 172                  | 274  | 9000                               | 2.9                   |                                                                                    |       |     |       |         |                                                                                     |
| 5.7                        | 149                  | 243  | 9000                               | 3.3                   |                                                                                    |       |     |       |         |                                                                                     |
| 6.3                        | 138                  | 217  | 9000                               | 3.6                   |                                                                                    |       |     |       |         |                                                                                     |
| 7.2                        | 130                  | 193  | 9000                               | 3.9                   |                                                                                    |       |     |       |         |                                                                                     |
| 2.5                        | 380                  | 552  | 6170                               | 1.05                  | K<br>KF<br>KA<br>KAF                                                               | 47R37 | DRN | 63MS4 | 33      | 713                                                                                 |
| 2.8                        | 320                  | 495  | 6840                               | 1.25                  |                                                                                    |       |     |       |         |                                                                                     |
| 3.2                        | 285                  | 426  | 7160                               | 1.40                  |                                                                                    |       |     |       |         |                                                                                     |
| 3.7                        | 240                  | 375  | 7510                               | 1.65                  |                                                                                    |       |     |       |         |                                                                                     |
| 4.2                        | 225                  | 327  | 7620                               | 1.75                  |                                                                                    |       |     |       |         |                                                                                     |
| 4.8                        | 198                  | 289  | 7780                               | 2.0                   |                                                                                    |       |     |       |         |                                                                                     |
| 2.7                        | 330                  | 504  | 7500                               | 0.90                  | K<br>KF<br>KA<br>KAF                                                               | 39R17 | DRN | 63MS4 | 24      | 713                                                                                 |
| 3.0                        | 315                  | 454  | 7500                               | 0.95                  |                                                                                    |       |     |       |         |                                                                                     |
| 3.5                        | 265                  | 399  | 7500                               | 1.10                  |                                                                                    |       |     |       |         |                                                                                     |
| 3.8                        | 250                  | 365  | 7500                               | 1.20                  |                                                                                    |       |     |       |         |                                                                                     |
| 4.4                        | 205                  | 312  | 7500                               | 1.45                  |                                                                                    |       |     |       |         |                                                                                     |
| 4.6                        | 200                  | 299  | 7500                               | 1.50                  |                                                                                    |       |     |       |         |                                                                                     |
| 5.4                        | 172                  | 254  | 7500                               | 1.75                  |                                                                                    |       |     |       |         |                                                                                     |
| 5.9                        | 154                  | 234  | 7500                               | 1.95                  |                                                                                    |       |     |       |         |                                                                                     |
| 6.6                        | 140                  | 210  | 7500                               | 2.1                   |                                                                                    |       |     |       |         |                                                                                     |
| 7.3                        | 128                  | 189  | 7500                               | 2.3                   |                                                                                    |       |     |       |         |                                                                                     |
| 7.9                        | 120                  | 174  | 7500                               | 2.5                   |                                                                                    |       |     |       |         |                                                                                     |
| 8.8                        | 104                  | 156  | 7500                               | 2.9                   |                                                                                    |       |     |       |         |                                                                                     |
| 9.7                        | 96                   | 142  | 7500                               | 3.1                   |                                                                                    |       |     |       |         |                                                                                     |
| 12                         | 78                   | 117  | 7500                               | 3.8                   |                                                                                    |       |     |       |         |                                                                                     |

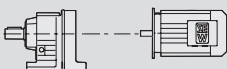
| P <sub>m</sub> = 0.12 kW            |                      |         |                                    |                       |                                                                                    |    |     |       |         |                                                                                     |     |    |     |       |      |     |
|-------------------------------------|----------------------|---------|------------------------------------|-----------------------|------------------------------------------------------------------------------------|----|-----|-------|---------|-------------------------------------------------------------------------------------|-----|----|-----|-------|------|-----|
| n <sub>a</sub><br>min <sup>-1</sup> | M <sub>a</sub><br>Nm | i       | F <sub>Ra</sub> <sup>1)</sup><br>N | SEW<br>f <sub>B</sub> |  |    |     |       | m<br>kg |  |     |    |     |       |      |     |
| 4.0                                 | 240                  | 346     | 3540                               | 0.80                  |                                                                                    |    |     |       |         |                                                                                     |     |    |     |       |      |     |
| 4.5                                 | 205                  | 304     | 5150                               | 0.95                  |                                                                                    |    |     |       |         |                                                                                     |     |    |     |       |      |     |
| 5.2                                 | 189                  | 267     | 5310                               | 1.05                  |                                                                                    |    |     |       |         |                                                                                     |     |    |     |       |      |     |
| 5.9                                 | 163                  | 234     | 5540                               | 1.25                  |                                                                                    |    |     |       |         |                                                                                     |     |    |     |       |      |     |
| 6.7                                 | 142                  | 205     | 5730                               | 1.40                  |                                                                                    |    |     |       |         |                                                                                     |     |    |     |       |      |     |
| 7.6                                 | 124                  | 181     | 5900                               | 1.60                  |                                                                                    |    |     |       |         |                                                                                     |     |    |     |       |      |     |
| 8.6                                 | 109                  | 160     | 6040                               | 1.85                  |                                                                                    |    |     |       |         |                                                                                     |     |    |     |       |      |     |
| 10                                  | 91                   | 136     | 6200                               | 2.2                   |                                                                                    |    |     |       |         |                                                                                     |     |    |     |       |      |     |
| 6.0                                 | 191                  | 144.79* | 13000                              | 4.3                   | K                                                                                  | 67 | DRN | 63M6  | 35      | 660                                                                                 |     |    |     |       |      |     |
|                                     |                      |         |                                    |                       | KF                                                                                 | 67 | DRN | 63M6  | 40      | 661                                                                                 |     |    |     |       |      |     |
|                                     |                      |         |                                    |                       | KA                                                                                 | 67 | DRN | 63M6  | 32      | 663                                                                                 |     |    |     |       |      |     |
|                                     |                      |         |                                    |                       | KAF                                                                                | 67 | DRN | 63M6  | 38      | 661                                                                                 |     |    |     |       |      |     |
| 6.0                                 | 191                  | 145.14* | 9660                               | 3.1                   |                                                                                    |    |     |       |         |                                                                                     |     |    |     |       |      |     |
| 7.0                                 | 163                  | 123.85  | 9740                               | 3.7                   |                                                                                    |    |     |       |         |                                                                                     |     |    |     |       |      |     |
| 8.0                                 | 143                  | 108.29  | 9800                               | 4.2                   |                                                                                    |    |     |       |         |                                                                                     |     |    |     |       |      |     |
| 8.5                                 | 136                  | 102.88* | 9820                               | 4.4                   |                                                                                    |    |     |       |         |                                                                                     |     |    |     |       |      |     |
| 9.6                                 | 119                  | 90.26*  | 9870                               | 5.0                   |                                                                                    |    |     |       |         |                                                                                     |     |    |     |       |      |     |
| 11                                  | 101                  | 76.56*  | 9920                               | 6.0                   |                                                                                    |    |     |       |         |                                                                                     |     |    |     |       |      |     |
| 9.5                                 | 121                  | 145.14* | 9870                               | 5.0                   |                                                                                    |    |     |       |         |                                                                                     |     |    |     |       |      |     |
| 11                                  | 103                  | 123.85  | 9910                               | 5.8                   |                                                                                    |    |     |       |         |                                                                                     |     |    |     |       |      |     |
| 13                                  | 90                   | 108.29  | 9950                               | 6.7                   |                                                                                    |    |     |       |         |                                                                                     |     |    |     |       |      |     |
| 13                                  | 85                   | 102.88* | 9960                               | 7.0                   |                                                                                    |    |     |       |         |                                                                                     |     |    |     |       |      |     |
| 15                                  | 75                   | 90.26*  | 9990                               | 8.0                   |                                                                                    |    |     |       |         |                                                                                     |     |    |     |       |      |     |
| 6.6                                 | 174                  | 131.87* | 7900                               | 2.3                   |                                                                                    |    |     |       |         |                                                                                     |     |    |     |       |      |     |
| 7.2                                 | 160                  | 121.48* | 7960                               | 2.5                   |                                                                                    |    |     |       |         |                                                                                     |     |    |     |       |      |     |
| 8.3                                 | 137                  | 104.37  | 8050                               | 2.9                   |                                                                                    |    |     |       |         |                                                                                     | KA  | 47 | DRN | 63M6  | 22   | 646 |
|                                     |                      |         |                                    |                       |                                                                                    |    |     |       |         |                                                                                     | KAF | 47 | DRN | 63M6  | 25   | 645 |
| 10                                  | 110                  | 131.87* | 8140                               | 3.6                   | K                                                                                  | 47 | DRN | 63MS4 | 22      | 644                                                                                 |     |    |     |       |      |     |
|                                     |                      |         |                                    |                       | KF                                                                                 | 47 | DRN | 63MS4 | 26      | 645                                                                                 |     |    |     |       |      |     |
|                                     |                      |         |                                    |                       | KA                                                                                 | 47 | DRN | 63MS4 | 21      | 646                                                                                 |     |    |     |       |      |     |
|                                     |                      |         |                                    |                       | KAF                                                                                | 47 | DRN | 63MS4 | 24      | 645                                                                                 |     |    |     |       |      |     |
| 8.2                                 | 140                  | 106.38  | 5750                               | 1.45                  |                                                                                    |    |     |       |         |                                                                                     |     |    |     |       |      |     |
| 8.9                                 | 129                  | 97.81   | 5860                               | 1.55                  |                                                                                    |    |     |       |         |                                                                                     |     |    |     |       |      |     |
| 10                                  | 110                  | 83.69   | 6030                               | 1.80                  |                                                                                    |    |     |       |         |                                                                                     |     |    |     |       |      |     |
| 12                                  | 96                   | 72.54   | 6160                               | 2.1                   |                                                                                    |    |     |       |         |                                                                                     |     |    |     |       |      |     |
| 13                                  | 88                   | 106.38  | 6220                               | 2.3                   |                                                                                    |    |     |       |         |                                                                                     |     |    |     |       |      |     |
| 14                                  | 81                   | 97.81   | 6290                               | 2.5                   |                                                                                    |    |     |       |         |                                                                                     |     |    |     |       |      |     |
| 16                                  | 69                   | 83.69   | 6400                               | 2.9                   |                                                                                    |    |     |       |         |                                                                                     |     |    |     |       |      |     |
| 19                                  | 60                   | 72.54   | 6480                               | 3.3                   |                                                                                    |    |     |       |         |                                                                                     |     |    |     |       |      |     |
| 20                                  | 56                   | 67.80   | 6520                               | 3.5                   |                                                                                    |    |     |       |         |                                                                                     | KA  | 37 | DRN | 63MS4 | 16   | 636 |
|                                     |                      |         |                                    |                       |                                                                                    |    |     |       |         |                                                                                     | KAF | 37 | DRN | 63MS4 | 18   | 635 |
| 25                                  | 46                   | 54.89   | 5230                               | 2.9                   |                                                                                    |    |     |       |         |                                                                                     |     |    |     |       |      |     |
| 27                                  | 42                   | 50.35   | 5240                               | 3.1                   |                                                                                    |    |     |       |         |                                                                                     |     |    |     |       |      |     |
| 32                                  | 36                   | 42.87   | 5260                               | 3.6                   |                                                                                    |    |     |       |         |                                                                                     | KA  | 29 | DRN | 63MS4 | 10.0 | 633 |
|                                     |                      |         |                                    |                       |                                                                                    |    |     |       |         |                                                                                     | KAF | 29 | DRN | 63MS4 | 11   | 631 |
| 31                                  | 37                   | 44.48   | 4500                               | 1.85                  |                                                                                    |    |     |       |         |                                                                                     |     |    |     |       |      |     |
| 34                                  | 34                   | 40.63   | 4500                               | 2.0                   |                                                                                    |    |     |       |         |                                                                                     |     |    |     |       |      |     |
| 40                                  | 28                   | 34.29   | 4500                               | 2.2                   |                                                                                    |    |     |       |         |                                                                                     |     |    |     |       |      |     |
| 47                                  | 24                   | 29.29   | 4500                               | 2.5                   |                                                                                    |    |     |       |         |                                                                                     |     |    |     |       |      |     |
| 51                                  | 23                   | 27.16   | 4500                               | 2.7                   |                                                                                    |    |     |       |         |                                                                                     |     |    |     |       |      |     |
| 57                                  | 20                   | 24.06   | 4460                               | 4.0                   |                                                                                    |    |     |       |         |                                                                                     |     |    |     |       |      |     |
| 63                                  | 18                   | 21.98   | 4340                               | 4.4                   |                                                                                    |    |     |       |         |                                                                                     |     |    |     |       |      |     |
| 74                                  | 15                   | 18.55   | 4120                               | 5.2                   |                                                                                    |    |     |       |         |                                                                                     |     |    |     |       |      |     |
| 87                                  | 13                   | 15.84   | 3920                               | 6.1                   |                                                                                    |    |     |       |         |                                                                                     |     |    |     |       |      |     |
| 94                                  | 12                   | 14.69   | 3830                               | 6.6                   |                                                                                    |    |     |       |         |                                                                                     |     |    |     |       |      |     |
| 109                                 | 11                   | 12.70   | 3660                               | 7.6                   |                                                                                    |    |     |       |         |                                                                                     |     |    |     |       |      |     |
| 117                                 | 9.8                  | 11.84   | 3580                               | 8.0                   |                                                                                    |    |     |       |         |                                                                                     |     |    |     |       |      |     |
| 134                                 | 8.6                  | 10.32   | 3430                               | 8.9                   |                                                                                    |    |     |       |         |                                                                                     |     |    |     |       |      |     |
| 144                                 | 8.0                  | 9.58    | 3370                               | 7.9                   |                                                                                    |    |     |       |         |                                                                                     |     |    |     |       |      |     |

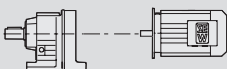
| P <sub>m</sub> = 0.18 kW            |                      |       |                                    |                       |                                                                                    |        |     |      |         |                                                                                     |
|-------------------------------------|----------------------|-------|------------------------------------|-----------------------|------------------------------------------------------------------------------------|--------|-----|------|---------|-------------------------------------------------------------------------------------|
| n <sub>a</sub><br>min <sup>-1</sup> | M <sub>a</sub><br>Nm | i     | F <sub>Ra</sub> <sup>1)</sup><br>N | SEW<br>f <sub>B</sub> |  |        |     |      | m<br>kg |  |
| 0.09                                | 15000                | 14975 | 75800                              | 0.85                  | K<br>KF<br>KA<br>KAF                                                               | 127R77 | DRN | 63M4 | 470     | 713                                                                                 |
| 0.11                                | 12500                | 12440 | 79400                              | 1.05                  |                                                                                    |        |     |      |         |                                                                                     |
| 0.13                                | 10900                | 10915 | 80200                              | 1.20                  |                                                                                    |        |     |      |         |                                                                                     |
| 0.14                                | 9870                 | 9819  | 80700                              | 1.30                  |                                                                                    |        |     |      |         |                                                                                     |
| 0.16                                | 8450                 | 8443  | 81300                              | 1.55                  |                                                                                    |        |     |      |         |                                                                                     |
| 0.18                                | 7520                 | 7482  | 81600                              | 1.75                  |                                                                                    |        |     |      |         |                                                                                     |
| 0.21                                | 6600                 | 6565  | 81900                              | 1.95                  |                                                                                    |        |     |      |         |                                                                                     |
| 0.24                                | 5590                 | 5804  | 82200                              | 2.3                   |                                                                                    |        |     |      |         |                                                                                     |
| 0.27                                | 4960                 | 5027  | 82300                              | 2.6                   |                                                                                    |        |     |      |         |                                                                                     |
| 0.31                                | 4260                 | 4423  | 82400                              | 3.0                   |                                                                                    |        |     |      |         |                                                                                     |
| 0.35                                | 3710                 | 3889  | 82500                              | 3.5                   |                                                                                    |        |     |      |         |                                                                                     |
| 0.42                                | 3080                 | 3311  | 82600                              | 4.2                   |                                                                                    |        |     |      |         |                                                                                     |
| 0.17                                | 8370                 | 8328  | 65000                              | 0.95                  | K<br>KF<br>KA<br>KAF                                                               | 107R77 | DRN | 63M4 | 310     | 713                                                                                 |
| 0.19                                | 7310                 | 7270  | 65000                              | 1.10                  |                                                                                    |        |     |      |         |                                                                                     |
| 0.22                                | 6100                 | 6184  | 65000                              | 1.30                  |                                                                                    |        |     |      |         |                                                                                     |
| 0.24                                | 5400                 | 5662  | 65000                              | 1.50                  |                                                                                    |        |     |      |         |                                                                                     |
| 0.27                                | 4900                 | 5138  | 65000                              | 1.65                  |                                                                                    |        |     |      |         |                                                                                     |
| 0.32                                | 4360                 | 4359  | 65000                              | 1.85                  |                                                                                    |        |     |      |         |                                                                                     |
| 0.36                                | 3810                 | 3810  | 65000                              | 2.1                   |                                                                                    |        |     |      |         |                                                                                     |
| 0.41                                | 3230                 | 3358  | 65000                              | 2.5                   |                                                                                    |        |     |      |         |                                                                                     |
| 0.46                                | 2930                 | 2977  | 65000                              | 2.7                   |                                                                                    |        |     |      |         |                                                                                     |
| 0.53                                | 2560                 | 2599  | 65000                              | 3.1                   |                                                                                    |        |     |      |         |                                                                                     |
| 0.60                                | 2200                 | 2286  | 65000                              | 3.6                   |                                                                                    |        |     |      |         |                                                                                     |
| 0.29                                | 4820                 | 4669  | 40000                              | 0.90                  |                                                                                    |        |     |      |         |                                                                                     |
| 0.34                                | 4330                 | 4082  | 40000                              | 1.00                  |                                                                                    |        |     |      |         |                                                                                     |
| 0.38                                | 3760                 | 3583  | 40000                              | 1.15                  |                                                                                    |        |     |      |         |                                                                                     |
| 0.44                                | 3300                 | 3108  | 40000                              | 1.30                  |                                                                                    |        |     |      |         |                                                                                     |
| 0.50                                | 2840                 | 2757  | 40000                              | 1.50                  |                                                                                    |        |     |      |         |                                                                                     |
| 0.57                                | 2600                 | 2419  | 40000                              | 1.65                  | K<br>KF<br>KA<br>KAF                                                               | 97R57  | DRN | 63M4 | 180     | 713                                                                                 |
| 0.65                                | 2250                 | 2123  | 40000                              | 1.90                  |                                                                                    |        |     |      |         |                                                                                     |
| 0.74                                | 2000                 | 1856  | 40000                              | 2.1                   |                                                                                    |        |     |      |         |                                                                                     |
| 0.85                                | 1680                 | 1625  | 40000                              | 2.6                   |                                                                                    |        |     |      |         |                                                                                     |
| 0.96                                | 1450                 | 1430  | 40000                              | 3.0                   |                                                                                    |        |     |      |         |                                                                                     |
| 1.1                                 | 1360                 | 1261  | 40000                              | 3.2                   |                                                                                    |        |     |      |         |                                                                                     |
| 1.2                                 | 1180                 | 1102  | 40000                              | 3.6                   |                                                                                    |        |     |      |         |                                                                                     |
| 1.4                                 | 1030                 | 957   | 40000                              | 4.1                   |                                                                                    |        |     |      |         |                                                                                     |
| 1.6                                 | 920                  | 855   | 40000                              | 4.6                   |                                                                                    |        |     |      |         |                                                                                     |
| 1.9                                 | 735                  | 743   | 40000                              | 5.8                   |                                                                                    |        |     |      |         |                                                                                     |
| 2.1                                 | 655                  | 652   | 40000                              | 6.5                   |                                                                                    |        |     |      |         |                                                                                     |
| 0.44                                | 3280                 | 3107  | 26500                              | 0.80                  | K<br>KF<br>KA<br>KAF                                                               | 87R57  | DRN | 63M4 | 120     | 713                                                                                 |
| 0.50                                | 2790                 | 2728  | 27200                              | 0.95                  |                                                                                    |        |     |      |         |                                                                                     |
| 0.58                                | 2450                 | 2371  | 27600                              | 1.10                  |                                                                                    |        |     |      |         |                                                                                     |
| 0.66                                | 2250                 | 2088  | 27800                              | 1.20                  |                                                                                    |        |     |      |         |                                                                                     |
| 0.74                                | 1990                 | 1854  | 28100                              | 1.35                  | K<br>KF<br>KA<br>KAF                                                               | 87R57  | DRN | 63M4 | 120     | 713                                                                                 |
| 0.83                                | 1780                 | 1657  | 28200                              | 1.50                  |                                                                                    |        |     |      |         |                                                                                     |
| 0.97                                | 1520                 | 1415  | 28500                              | 1.75                  |                                                                                    |        |     |      |         |                                                                                     |
| 1.1                                 | 1320                 | 1229  | 28600                              | 2.0                   |                                                                                    |        |     |      |         |                                                                                     |
| 1.3                                 | 1140                 | 1078  | 28700                              | 2.4                   |                                                                                    |        |     |      |         |                                                                                     |
| 1.4                                 | 980                  | 951   | 28800                              | 2.7                   |                                                                                    |        |     |      |         |                                                                                     |
| 1.6                                 | 850                  | 837   | 28900                              | 3.2                   |                                                                                    |        |     |      |         |                                                                                     |
| 1.9                                 | 735                  | 726   | 28900                              | 3.6                   |                                                                                    |        |     |      |         |                                                                                     |
| 0.91                                | 1640                 | 1514  | 14700                              | 0.95                  |                                                                                    |        |     |      |         |                                                                                     |
| 0.99                                | 1500                 | 1388  | 15700                              | 1.05                  |                                                                                    |        |     |      |         |                                                                                     |
| 1.1                                 | 1310                 | 1218  | 16800                              | 1.15                  |                                                                                    |        |     |      |         |                                                                                     |
| 1.3                                 | 1150                 | 1053  | 17700                              | 1.35                  |                                                                                    |        |     |      |         |                                                                                     |
| 1.5                                 | 1000                 | 924   | 18300                              | 1.55                  |                                                                                    |        |     |      |         |                                                                                     |
| 1.7                                 | 890                  | 815   | 18700                              | 1.75                  |                                                                                    |        |     |      |         |                                                                                     |
| 1.9                                 | 725                  | 709   | 19200                              | 2.1                   |                                                                                    |        |     |      |         |                                                                                     |
| 2.2                                 | 635                  | 622   | 19400                              | 2.4                   |                                                                                    |        |     |      |         |                                                                                     |
| 2.5                                 | 570                  | 552   | 19600                              | 2.7                   |                                                                                    |        |     |      |         |                                                                                     |
| 2.8                                 | 500                  | 485   | 19700                              | 3.1                   |                                                                                    |        |     |      |         |                                                                                     |
| 3.2                                 | 440                  | 428   | 19800                              | 3.5                   |                                                                                    |        |     |      |         |                                                                                     |
| 3.8                                 | 390                  | 367   | 19900                              | 4.0                   |                                                                                    |        |     |      |         |                                                                                     |

| P <sub>m</sub> = 0.18 kW            |                      |         |                                    |                       |                                                                                    |       |     |       |         |                                                                                     |
|-------------------------------------|----------------------|---------|------------------------------------|-----------------------|------------------------------------------------------------------------------------|-------|-----|-------|---------|-------------------------------------------------------------------------------------|
| n <sub>a</sub><br>min <sup>-1</sup> | M <sub>a</sub><br>Nm | i       | F <sub>Ra</sub> <sup>1)</sup><br>N | SEW<br>f <sub>B</sub> |  |       |     |       | m<br>kg |  |
| 1.7                                 | 880                  | 793     | 9670                               | 0.95                  | K<br>KF<br>KA<br>KAF                                                               | 67R37 | DRN | 63M4  | 46      | 713                                                                                 |
| 2.0                                 | 725                  | 697     | 11100                              | 1.10                  |                                                                                    |       |     |       |         |                                                                                     |
| 2.2                                 | 640                  | 613     | 11600                              | 1.30                  |                                                                                    |       |     |       |         |                                                                                     |
| 2.5                                 | 560                  | 542     | 12100                              | 1.45                  |                                                                                    |       |     |       |         |                                                                                     |
| 2.9                                 | 515                  | 471     | 12300                              | 1.60                  |                                                                                    |       |     |       |         |                                                                                     |
| 3.3                                 | 435                  | 420     | 12700                              | 1.90                  |                                                                                    |       |     |       |         |                                                                                     |
| 3.8                                 | 390                  | 361     | 12800                              | 2.1                   |                                                                                    |       |     |       |         |                                                                                     |
| 4.3                                 | 345                  | 323     | 13000                              | 2.4                   |                                                                                    |       |     |       |         |                                                                                     |
| 4.9                                 | 290                  | 279     | 13000                              | 2.8                   |                                                                                    |       |     |       |         |                                                                                     |
| 2.5                                 | 565                  | 544     | 7910                               | 1.05                  | K<br>KF<br>KA<br>KAF                                                               | 57R37 | DRN | 63M4  | 40      | 713                                                                                 |
| 2.9                                 | 510                  | 473     | 8330                               | 1.15                  |                                                                                    |       |     |       |         |                                                                                     |
| 3.3                                 | 435                  | 421     | 8720                               | 1.35                  |                                                                                    |       |     |       |         |                                                                                     |
| 3.8                                 | 390                  | 362     | 8920                               | 1.55                  |                                                                                    |       |     |       |         |                                                                                     |
| 4.3                                 | 340                  | 319     | 9110                               | 1.75                  |                                                                                    |       |     |       |         |                                                                                     |
| 4.9                                 | 290                  | 280     | 9320                               | 2.1                   |                                                                                    |       |     |       |         |                                                                                     |
| 5.6                                 | 255                  | 246     | 9440                               | 2.3                   |                                                                                    |       |     |       |         |                                                                                     |
| 6.4                                 | 225                  | 215     | 9550                               | 2.7                   |                                                                                    |       |     |       |         |                                                                                     |
| 7.2                                 | 200                  | 192     | 9630                               | 3.0                   |                                                                                    |       |     |       |         |                                                                                     |
| 8.3                                 | 174                  | 166     | 9710                               | 3.5                   |                                                                                    |       |     |       |         |                                                                                     |
| 2.5                                 | 570                  | 543     | 9000                               | 0.90                  | K<br>KF<br>KA<br>KAF                                                               | 49R37 | DRN | 63M4  | 44      | 713                                                                                 |
| 2.7                                 | 505                  | 501     | 9000                               | 1.00                  |                                                                                    |       |     |       |         |                                                                                     |
| 3.1                                 | 455                  | 449     | 9000                               | 1.10                  |                                                                                    |       |     |       |         |                                                                                     |
| 3.4                                 | 395                  | 401     | 9000                               | 1.25                  |                                                                                    |       |     |       |         |                                                                                     |
| 3.8                                 | 360                  | 360     | 9000                               | 1.40                  |                                                                                    |       |     |       |         |                                                                                     |
| 4.2                                 | 330                  | 330     | 9000                               | 1.50                  |                                                                                    |       |     |       |         |                                                                                     |
| 4.6                                 | 310                  | 300     | 9000                               | 1.60                  |                                                                                    |       |     |       |         |                                                                                     |
| 5.0                                 | 275                  | 274     | 9000                               | 1.80                  |                                                                                    |       |     |       |         |                                                                                     |
| 5.6                                 | 240                  | 243     | 9000                               | 2.1                   |                                                                                    |       |     |       |         |                                                                                     |
| 6.3                                 | 220                  | 217     | 9000                               | 2.3                   |                                                                                    |       |     |       |         |                                                                                     |
| 7.1                                 | 200                  | 193     | 9000                               | 2.5                   |                                                                                    |       |     |       |         |                                                                                     |
| 7.8                                 | 181                  | 176     | 9000                               | 2.8                   |                                                                                    |       |     |       |         |                                                                                     |
| 9.1                                 | 151                  | 152     | 9000                               | 3.3                   |                                                                                    |       |     |       |         |                                                                                     |
| 11                                  | 127                  | 125     | 9000                               | 3.9                   |                                                                                    |       |     |       |         |                                                                                     |
| 3.7                                 | 390                  | 375     | 6060                               | 1.05                  | K<br>KF<br>KA<br>KAF                                                               | 47R37 | DRN | 63M4  | 34      | 713                                                                                 |
| 4.2                                 | 350                  | 327     | 6510                               | 1.15                  |                                                                                    |       |     |       |         |                                                                                     |
| 4.8                                 | 310                  | 289     | 6950                               | 1.30                  |                                                                                    |       |     |       |         |                                                                                     |
| 5.4                                 | 265                  | 256     | 7340                               | 1.50                  |                                                                                    |       |     |       |         |                                                                                     |
| 6.1                                 | 240                  | 225     | 7530                               | 1.65                  |                                                                                    |       |     |       |         |                                                                                     |
| 6.9                                 | 205                  | 198     | 7740                               | 1.95                  |                                                                                    |       |     |       |         |                                                                                     |
| 8.0                                 | 179                  | 171     | 7880                               | 2.2                   |                                                                                    |       |     |       |         |                                                                                     |
| 9.0                                 | 160                  | 153     | 7960                               | 2.5                   |                                                                                    |       |     |       |         |                                                                                     |
| 10                                  | 140                  | 131     | 8040                               | 2.9                   |                                                                                    |       |     |       |         |                                                                                     |
| 4.4                                 | 320                  | 312     | 7500                               | 0.95                  | K<br>KF<br>KA<br>KAF                                                               | 39R17 | DRN | 63M4  | 25      | 713                                                                                 |
| 4.6                                 | 315                  | 299     | 7500                               | 0.95                  |                                                                                    |       |     |       |         |                                                                                     |
| 5.4                                 | 265                  | 254     | 7500                               | 1.10                  |                                                                                    |       |     |       |         |                                                                                     |
| 5.9                                 | 240                  | 234     | 7500                               | 1.25                  |                                                                                    |       |     |       |         |                                                                                     |
| 6.5                                 | 215                  | 210     | 7500                               | 1.35                  |                                                                                    |       |     |       |         |                                                                                     |
| 7.3                                 | 200                  | 189     | 7500                               | 1.50                  |                                                                                    |       |     |       |         |                                                                                     |
| 7.9                                 | 186                  | 174     | 7500                               | 1.60                  |                                                                                    |       |     |       |         |                                                                                     |
| 8.8                                 | 164                  | 156     | 7500                               | 1.85                  |                                                                                    |       |     |       |         |                                                                                     |
| 9.7                                 | 150                  | 142     | 7500                               | 2.0                   |                                                                                    |       |     |       |         |                                                                                     |
| 12                                  | 123                  | 117     | 7500                               | 2.4                   |                                                                                    |       |     |       |         |                                                                                     |
| 18                                  | 77                   | 75      | 7500                               | 3.8                   |                                                                                    |       |     |       |         |                                                                                     |
| 6.7                                 | 220                  | 205     | 5000                               | 0.90                  | K<br>KF<br>KA<br>KAF                                                               | 37R17 | DRN | 63M4  | 20      | 713                                                                                 |
| 7.6                                 | 195                  | 181     | 5250                               | 1.05                  |                                                                                    |       |     |       |         |                                                                                     |
| 8.6                                 | 172                  | 160     | 5470                               | 1.15                  |                                                                                    |       |     |       |         |                                                                                     |
| 10                                  | 144                  | 136     | 5720                               | 1.40                  |                                                                                    |       |     |       |         |                                                                                     |
| 11                                  | 138                  | 127     | 5770                               | 1.45                  |                                                                                    |       |     |       |         |                                                                                     |
| 6.3                                 | 270                  | 144.79* | 13000                              | 3.0                   | K<br>KF<br>KA<br>KAF                                                               | 67    | DRN | 71MS6 | 35      | 660                                                                                 |
| 7.4                                 | 230                  | 123.54  | 13000                              | 3.5                   |                                                                                    |       |     |       |         |                                                                                     |
| 8.5                                 | 200                  | 108.03  | 13000                              | 4.0                   |                                                                                    |       |     |       |         |                                                                                     |
| 8.9                                 | 193                  | 102.62  | 13000                              | 4.2                   |                                                                                    |       |     |       |         |                                                                                     |
|                                     |                      |         |                                    |                       |                                                                                    |       |     |       |         |                                                                                     |
| 9.5                                 | 181                  | 144.79* | 13000                              | 4.5                   | K<br>KF<br>KA<br>KAF                                                               | 67    | DRN | 63M4  | 35      | 660                                                                                 |
| 11                                  | 154                  | 123.54  | 13000                              | 5.3                   |                                                                                    |       |     |       |         |                                                                                     |
|                                     |                      |         |                                    |                       |                                                                                    |       |     |       |         |                                                                                     |
| 13                                  | 135                  | 108.03  | 13000                              | 6.1                   |                                                                                    |       |     |       |         |                                                                                     |

| P <sub>m</sub> = 0.18 kW            |                      |         |                                    |                       |                                                                                    |                      |                          |                                  |                          |                                                                                     |
|-------------------------------------|----------------------|---------|------------------------------------|-----------------------|------------------------------------------------------------------------------------|----------------------|--------------------------|----------------------------------|--------------------------|-------------------------------------------------------------------------------------|
| n <sub>a</sub><br>min <sup>-1</sup> | M <sub>a</sub><br>Nm | i       | F <sub>Ra</sub> <sup>1)</sup><br>N | SEW<br>f <sub>B</sub> |  |                      |                          |                                  | m<br>kg                  |  |
| 6.3                                 | 270                  | 145.14* | 9380                               | 2.2                   | K<br>KF<br>KA<br>KAF                                                               | 57<br>57<br>57<br>57 | DRN<br>DRN<br>DRN<br>DRN | 71MS6<br>71MS6<br>71MS6<br>71MS6 | 30                       | 654                                                                                 |
| 7.4                                 | 230                  | 123.85  | 9520                               | 2.6                   |                                                                                    |                      |                          |                                  | 34                       | 655                                                                                 |
| 8.4                                 | 200                  | 108.29  | 9620                               | 3.0                   |                                                                                    |                      |                          |                                  | 28                       | 656                                                                                 |
| 8.9                                 | 193                  | 102.88* | 9650                               | 3.1                   |                                                                                    |                      |                          |                                  | 28                       | 656                                                                                 |
| 10                                  | 170                  | 90.26*  | 9720                               | 3.5                   |                                                                                    |                      |                          |                                  | 33                       | 655                                                                                 |
| 9.5                                 | 181                  | 145.14* | 9690                               | 3.3                   | K<br>KF<br>KA<br>KAF                                                               | 57<br>57<br>57<br>57 | DRN<br>DRN<br>DRN<br>DRN | 63M4<br>63M4<br>63M4<br>63M4     | 29                       | 654                                                                                 |
| 11                                  | 155                  | 123.85  | 9770                               | 3.9                   |                                                                                    |                      |                          |                                  | 34                       | 655                                                                                 |
| 13                                  | 135                  | 108.29  | 9820                               | 4.4                   |                                                                                    |                      |                          |                                  | 27                       | 656                                                                                 |
| 13                                  | 129                  | 102.88* | 9840                               | 4.7                   |                                                                                    |                      |                          |                                  | 33                       | 655                                                                                 |
| 15                                  | 113                  | 90.26*  | 9890                               | 5.3                   |                                                                                    |                      |                          |                                  |                          |                                                                                     |
| 18                                  | 96                   | 76.56*  | 9930                               | 6.3                   |                                                                                    |                      |                          |                                  |                          |                                                                                     |
| 6.9                                 | 245                  | 131.87* | 7480                               | 1.60                  | K<br>KF<br>KA<br>KAF                                                               | 47<br>47<br>47<br>47 | DRN<br>DRN<br>DRN<br>DRN | 71MS6<br>71MS6<br>71MS6<br>71MS6 | 24                       | 644                                                                                 |
| 7.5                                 | 225                  | 121.48* | 7600                               | 1.75                  |                                                                                    |                      |                          |                                  | 27                       | 645                                                                                 |
| 8.8                                 | 196                  | 104.37  | 7790                               | 2.0                   |                                                                                    |                      |                          |                                  | 23                       | 646                                                                                 |
|                                     |                      |         |                                    |                       |                                                                                    |                      |                          |                                  | 26                       | 645                                                                                 |
| 10                                  | 171                  | 90.86   | 7920                               | 2.3                   | K<br>KF<br>KA<br>KAF                                                               | 47<br>47<br>47<br>47 | DRN<br>DRN<br>DRN<br>DRN | 71MS6<br>71MS6<br>71MS6<br>71MS6 | 24                       | 644                                                                                 |
|                                     |                      |         |                                    |                       |                                                                                    |                      |                          |                                  | 27                       | 645                                                                                 |
|                                     |                      |         |                                    |                       |                                                                                    |                      |                          |                                  | 23                       | 646                                                                                 |
|                                     |                      |         |                                    |                       |                                                                                    |                      |                          |                                  | 26                       | 645                                                                                 |
| 11                                  | 160                  | 85.12*  | 7960                               | 2.5                   | K<br>KF<br>KA<br>KAF                                                               | 47<br>47<br>47<br>47 | DRN<br>DRN<br>DRN<br>DRN | 63M4<br>63M4<br>63M4<br>63M4     | 23                       | 644                                                                                 |
|                                     |                      |         |                                    |                       |                                                                                    |                      |                          |                                  | 26                       | 645                                                                                 |
|                                     |                      |         |                                    |                       |                                                                                    |                      |                          |                                  | 22                       | 646                                                                                 |
|                                     |                      |         |                                    |                       |                                                                                    |                      |                          |                                  | 25                       | 645                                                                                 |
| 15                                  | 114                  | 90.86   | 8130                               | 3.5                   | K<br>KF<br>KA<br>KAF                                                               | 47<br>47<br>47<br>47 | DRN<br>DRN<br>DRN<br>DRN | 63M4<br>63M4<br>63M4<br>63M4     | 23                       | 644                                                                                 |
|                                     |                      |         |                                    |                       |                                                                                    |                      |                          |                                  | 26                       | 645                                                                                 |
|                                     |                      |         |                                    |                       |                                                                                    |                      |                          |                                  | 22                       | 646                                                                                 |
|                                     |                      |         |                                    |                       |                                                                                    |                      |                          |                                  | 25                       | 645                                                                                 |
| 8.6                                 | 200                  | 106.38  | 5210                               | 1.00                  | K<br>KF<br>KA<br>KAF                                                               | 37<br>37<br>37<br>37 | DRN<br>DRN<br>DRN<br>DRN | 71MS6<br>71MS6<br>71MS6<br>71MS6 | 18                       | 634                                                                                 |
|                                     |                      |         |                                    |                       |                                                                                    |                      |                          |                                  | 20                       | 635                                                                                 |
|                                     |                      |         |                                    |                       |                                                                                    |                      |                          |                                  | 17                       | 636                                                                                 |
|                                     |                      |         |                                    |                       |                                                                                    |                      |                          |                                  | 19                       | 635                                                                                 |
| 13                                  | 133                  | 106.38  | 5820                               | 1.50                  | K<br>KF<br>KA<br>KAF                                                               | 37<br>37<br>37<br>37 | DRN<br>DRN<br>DRN<br>DRN | 63M4<br>63M4<br>63M4<br>63M4     | 17<br>19<br>17<br>18     | 634<br>635<br>636<br>635                                                            |
| 14                                  | 122                  | 97.81   | 5920                               | 1.65                  |                                                                                    |                      |                          |                                  |                          |                                                                                     |
| 16                                  | 105                  | 83.69   | 6080                               | 1.90                  |                                                                                    |                      |                          |                                  |                          |                                                                                     |
| 19                                  | 91                   | 72.54   | 6200                               | 2.2                   |                                                                                    |                      |                          |                                  |                          |                                                                                     |
| 20                                  | 85                   | 67.80   | 6260                               | 2.4                   |                                                                                    |                      |                          |                                  |                          |                                                                                     |
| 23                                  | 73                   | 58.60   | 6210                               | 2.7                   |                                                                                    |                      |                          |                                  |                          |                                                                                     |
| 28                                  | 62                   | 49.79   | 5950                               | 3.2                   |                                                                                    |                      |                          |                                  |                          |                                                                                     |
| 31                                  | 56                   | 44.46   | 5770                               | 3.6                   |                                                                                    |                      |                          |                                  |                          |                                                                                     |
| 36                                  | 47                   | 37.97   | 5520                               | 4.2                   |                                                                                    |                      |                          |                                  |                          |                                                                                     |
| 25                                  | 69                   | 54.89   | 5160                               | 1.90                  |                                                                                    |                      |                          |                                  |                          |                                                                                     |
| 27                                  | 63                   | 50.35   | 5180                               | 2.1                   |                                                                                    |                      |                          |                                  |                          |                                                                                     |
| 32                                  | 54                   | 42.87   | 5210                               | 2.4                   |                                                                                    |                      |                          |                                  |                          |                                                                                     |
| 37                                  | 46                   | 36.96   | 5230                               | 2.6                   |                                                                                    |                      |                          |                                  |                          |                                                                                     |
| 46                                  | 38                   | 30.11   | 5050                               | 3.0                   |                                                                                    |                      |                          |                                  |                          |                                                                                     |
| 46                                  | 37                   | 29.69   | 5070                               | 3.5                   |                                                                                    |                      |                          |                                  |                          |                                                                                     |
| 50                                  | 34                   | 27.23   | 4950                               | 3.8                   |                                                                                    |                      |                          |                                  |                          |                                                                                     |
| 55                                  | 31                   | 24.91   | 4790                               | 3.5                   |                                                                                    |                      |                          |                                  |                          |                                                                                     |
| 31                                  | 56                   | 44.48   | 4420                               | 1.25                  | K<br>KF<br>KA<br>KAF                                                               | 19<br>19<br>19<br>19 | DRN<br>DRN<br>DRN<br>DRN | 63M4<br>63M4<br>63M4<br>63M4     | 9.5<br>9.8<br>9.0<br>9.4 | 621<br>624<br>626<br>624                                                            |
| 34                                  | 51                   | 40.63   | 4450                               | 1.30                  |                                                                                    |                      |                          |                                  |                          |                                                                                     |
| 40                                  | 43                   | 34.29   | 4490                               | 1.50                  |                                                                                    |                      |                          |                                  |                          |                                                                                     |
| 47                                  | 37                   | 29.29   | 4500                               | 1.65                  |                                                                                    |                      |                          |                                  |                          |                                                                                     |
| 51                                  | 34                   | 27.16   | 4440                               | 1.75                  |                                                                                    |                      |                          |                                  |                          |                                                                                     |
| 57                                  | 30                   | 24.06   | 4360                               | 2.7                   |                                                                                    |                      |                          |                                  |                          |                                                                                     |
| 63                                  | 27                   | 21.98   | 4240                               | 2.9                   |                                                                                    |                      |                          |                                  |                          |                                                                                     |
| 74                                  | 23                   | 18.55   | 4040                               | 3.5                   |                                                                                    |                      |                          |                                  |                          |                                                                                     |
| 87                                  | 20                   | 15.84   | 3860                               | 4.0                   |                                                                                    |                      |                          |                                  |                          |                                                                                     |
| 94                                  | 18                   | 14.69   | 3770                               | 4.4                   |                                                                                    |                      |                          |                                  |                          |                                                                                     |
| 108                                 | 16                   | 12.70   | 3610                               | 5.0                   |                                                                                    |                      |                          |                                  |                          |                                                                                     |
| 116                                 | 15                   | 11.84   | 3530                               | 5.3                   |                                                                                    |                      |                          |                                  |                          |                                                                                     |
| 133                                 | 13                   | 10.32   | 3390                               | 5.9                   |                                                                                    |                      |                          |                                  |                          |                                                                                     |
| 143                                 | 12                   | 9.58    | 3340                               | 5.3                   |                                                                                    |                      |                          |                                  |                          |                                                                                     |
| 170                                 | 10                   | 8.09    | 3160                               | 7.9                   |                                                                                    |                      |                          |                                  |                          |                                                                                     |
| 199                                 | 8.6                  | 6.91    | 3010                               | 9.3                   |                                                                                    |                      |                          |                                  |                          |                                                                                     |

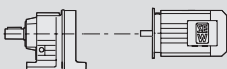
| P <sub>m</sub> = 0.25 kW            |                      |      |                                    |                       |                                                                                    |        |     |       |         |                                                                                     |
|-------------------------------------|----------------------|------|------------------------------------|-----------------------|------------------------------------------------------------------------------------|--------|-----|-------|---------|-------------------------------------------------------------------------------------|
| n <sub>a</sub><br>min <sup>-1</sup> | M <sub>a</sub><br>Nm | i    | F <sub>Ra</sub> <sup>1)</sup><br>N | SEW<br>f <sub>B</sub> |  |        |     |       | m<br>kg |  |
| 0.14                                | 13900                | 9819 | 78100                              | 0.95                  | K<br>KF<br>KA<br>KAF                                                               | 127R77 | DRN | 71MS4 | 470     | 713                                                                                 |
| 0.17                                | 11900                | 8443 | 79700                              | 1.10                  |                                                                                    |        |     |       |         |                                                                                     |
| 0.19                                | 10600                | 7482 | 80400                              | 1.20                  |                                                                                    |        |     |       |         |                                                                                     |
| 0.21                                | 9320                 | 6565 | 81000                              | 1.40                  |                                                                                    |        |     |       |         |                                                                                     |
| 0.24                                | 7990                 | 5804 | 81400                              | 1.65                  |                                                                                    |        |     |       |         |                                                                                     |
| 0.28                                | 7040                 | 5027 | 81800                              | 1.85                  |                                                                                    |        |     |       |         |                                                                                     |
| 0.32                                | 6090                 | 4423 | 82000                              | 2.1                   |                                                                                    |        |     |       |         |                                                                                     |
| 0.36                                | 5320                 | 3889 | 82200                              | 2.4                   |                                                                                    |        |     |       |         |                                                                                     |
| 0.42                                | 4440                 | 3311 | 82400                              | 2.9                   |                                                                                    |        |     |       |         |                                                                                     |
| 0.23                                | 8660                 | 6184 | 65000                              | 0.90                  | K<br>KF<br>KA<br>KAF                                                               | 107R77 | DRN | 71MS4 | 310     | 713                                                                                 |
| 0.25                                | 7740                 | 5662 | 65000                              | 1.05                  |                                                                                    |        |     |       |         |                                                                                     |
| 0.27                                | 7030                 | 5138 | 65000                              | 1.15                  |                                                                                    |        |     |       |         |                                                                                     |
| 0.32                                | 6170                 | 4359 | 65000                              | 1.30                  |                                                                                    |        |     |       |         |                                                                                     |
| 0.37                                | 5390                 | 3810 | 65000                              | 1.50                  |                                                                                    |        |     |       |         |                                                                                     |
| 0.42                                | 4620                 | 3358 | 65000                              | 1.75                  |                                                                                    |        |     |       |         |                                                                                     |
| 0.47                                | 4170                 | 2977 | 65000                              | 1.90                  |                                                                                    |        |     |       |         |                                                                                     |
| 0.54                                | 3640                 | 2599 | 65000                              | 2.2                   |                                                                                    |        |     |       |         |                                                                                     |
| 0.61                                | 3150                 | 2286 | 65000                              | 2.5                   |                                                                                    |        |     |       |         |                                                                                     |
| 0.72                                | 2670                 | 1939 | 65000                              | 3.0                   |                                                                                    |        |     |       |         |                                                                                     |
| 0.82                                | 2450                 | 1713 | 65000                              | 3.3                   | K<br>KF<br>KA<br>KAF                                                               | 107R77 | DRN | 71MS4 | 310     | 713                                                                                 |
| 0.90                                | 2220                 | 1554 | 65000                              | 3.6                   |                                                                                    |        |     |       |         |                                                                                     |
| 1.1                                 | 1910                 | 1336 | 65000                              | 4.2                   |                                                                                    |        |     |       |         |                                                                                     |
|                                     |                      |      |                                    |                       |                                                                                    |        |     |       |         |                                                                                     |
| 0.45                                | 4580                 | 3108 | 40000                              | 0.95                  | K<br>KF<br>KA<br>KAF                                                               | 97R57  | DRN | 71MS4 | 180     | 713                                                                                 |
| 0.51                                | 4000                 | 2757 | 40000                              | 1.05                  |                                                                                    |        |     |       |         |                                                                                     |
|                                     |                      |      |                                    |                       |                                                                                    |        |     |       |         |                                                                                     |
|                                     |                      |      |                                    |                       |                                                                                    |        |     |       |         |                                                                                     |
| 0.58                                | 3610                 | 2419 | 40000                              | 1.20                  | K<br>KF<br>KA<br>KAF                                                               | 97R57  | DRN | 71MS4 | 180     | 713                                                                                 |
| 0.66                                | 3140                 | 2123 | 40000                              | 1.35                  |                                                                                    |        |     |       |         |                                                                                     |
| 0.76                                | 2770                 | 1856 | 40000                              | 1.55                  |                                                                                    |        |     |       |         |                                                                                     |
| 0.86                                | 2360                 | 1625 | 40000                              | 1.80                  |                                                                                    |        |     |       |         |                                                                                     |
| 0.98                                | 2050                 | 1430 | 40000                              | 2.1                   |                                                                                    |        |     |       |         |                                                                                     |
| 1.1                                 | 1880                 | 1261 | 40000                              | 2.3                   |                                                                                    |        |     |       |         |                                                                                     |
| 1.3                                 | 1640                 | 1102 | 40000                              | 2.6                   |                                                                                    |        |     |       |         |                                                                                     |
| 1.5                                 | 1440                 | 957  | 40000                              | 3.0                   |                                                                                    |        |     |       |         |                                                                                     |
| 1.6                                 | 1290                 | 855  | 40000                              | 3.3                   |                                                                                    |        |     |       |         |                                                                                     |
| 0.67                                | 3120                 | 2088 | 26700                              | 0.85                  | K<br>KF<br>KA<br>KAF                                                               | 87R57  | DRN | 71MS4 | 120     | 713                                                                                 |
| 0.76                                | 2770                 | 1854 | 27200                              | 0.95                  |                                                                                    |        |     |       |         |                                                                                     |
| 0.85                                | 2480                 | 1657 | 27500                              | 1.10                  |                                                                                    |        |     |       |         |                                                                                     |
| 0.99                                | 2110                 | 1415 | 27900                              | 1.30                  |                                                                                    |        |     |       |         |                                                                                     |
| 1.1                                 | 1830                 | 1229 | 28200                              | 1.45                  |                                                                                    |        |     |       |         |                                                                                     |
| 1.3                                 | 1590                 | 1078 | 28400                              | 1.70                  |                                                                                    |        |     |       |         |                                                                                     |
| 1.5                                 | 1380                 | 951  | 28600                              | 1.95                  |                                                                                    |        |     |       |         |                                                                                     |
| 1.7                                 | 1200                 | 837  | 28700                              | 2.2                   |                                                                                    |        |     |       |         |                                                                                     |
| 1.9                                 | 1040                 | 726  | 28800                              | 2.6                   |                                                                                    |        |     |       |         |                                                                                     |
| 2.2                                 | 920                  | 638  | 28800                              | 2.9                   |                                                                                    |        |     |       |         |                                                                                     |
| 1.3                                 | 1590                 | 1053 | 15100                              | 0.95                  | K<br>KF<br>KA<br>KAF                                                               | 77R37  | DRN | 71MS4 | 71      | 713                                                                                 |
| 1.5                                 | 1390                 | 924  | 16400                              | 1.10                  |                                                                                    |        |     |       |         |                                                                                     |
| 1.7                                 | 1230                 | 815  | 17300                              | 1.25                  |                                                                                    |        |     |       |         |                                                                                     |
| 2.0                                 | 1020                 | 709  | 18200                              | 1.50                  |                                                                                    |        |     |       |         |                                                                                     |
| 2.3                                 | 890                  | 622  | 18700                              | 1.75                  |                                                                                    |        |     |       |         |                                                                                     |
| 2.5                                 | 800                  | 552  | 19000                              | 1.90                  |                                                                                    |        |     |       |         |                                                                                     |
| 2.9                                 | 705                  | 485  | 19200                              | 2.2                   |                                                                                    |        |     |       |         |                                                                                     |
| 3.3                                 | 620                  | 428  | 19400                              | 2.5                   |                                                                                    |        |     |       |         |                                                                                     |
| 3.8                                 | 545                  | 367  | 19600                              | 2.8                   |                                                                                    |        |     |       |         |                                                                                     |
| 4.3                                 | 480                  | 328  | 19700                              | 3.2                   |                                                                                    |        |     |       |         |                                                                                     |
| 4.8                                 | 430                  | 290  | 19800                              | 3.6                   |                                                                                    |        |     |       |         |                                                                                     |
| 5.6                                 | 365                  | 252  | 19900                              | 4.2                   |                                                                                    |        |     |       |         |                                                                                     |
| 6.3                                 | 320                  | 221  | 20000                              | 4.8                   |                                                                                    |        |     |       |         |                                                                                     |
| 7.2                                 | 285                  | 195  | 20000                              | 5.4                   |                                                                                    |        |     |       |         |                                                                                     |
| 8.1                                 | 250                  | 175  | 20000                              | 6.2                   |                                                                                    |        |     |       |         |                                                                                     |

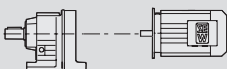
| P <sub>m</sub> = 0.25 kW            |                      |         |                                    |                       |                                                                                    |       |     |       |         |                                                                                     |
|-------------------------------------|----------------------|---------|------------------------------------|-----------------------|------------------------------------------------------------------------------------|-------|-----|-------|---------|-------------------------------------------------------------------------------------|
| n <sub>a</sub><br>min <sup>-1</sup> | M <sub>a</sub><br>Nm | i       | F <sub>Ra</sub> <sup>1)</sup><br>N | SEW<br>f <sub>B</sub> |  |       |     |       | m<br>kg |  |
| 2.3                                 | 890                  | 613     | 9540                               | 0.90                  | K<br>KF<br>KA<br>KAF                                                               | 67R37 | DRN | 71MS4 | 47      | 713                                                                                 |
| 2.6                                 | 790                  | 542     | 10600                              | 1.05                  |                                                                                    |       |     |       |         |                                                                                     |
| 3.0                                 | 715                  | 471     | 11200                              | 1.15                  |                                                                                    |       |     |       |         |                                                                                     |
| 3.4                                 | 610                  | 420     | 11800                              | 1.35                  |                                                                                    |       |     |       |         |                                                                                     |
| 3.9                                 | 540                  | 361     | 12200                              | 1.50                  |                                                                                    |       |     |       |         |                                                                                     |
| 4.3                                 | 480                  | 323     | 12500                              | 1.70                  |                                                                                    |       |     |       |         |                                                                                     |
| 5.0                                 | 405                  | 279     | 12800                              | 2.0                   |                                                                                    |       |     |       |         |                                                                                     |
| 5.7                                 | 355                  | 246     | 13000                              | 2.3                   |                                                                                    |       |     |       |         |                                                                                     |
| 6.5                                 | 315                  | 217     | 13000                              | 2.6                   |                                                                                    |       |     |       |         |                                                                                     |
| 3.3                                 | 610                  | 421     | 7520                               | 1.00                  | K<br>KF<br>KA<br>KAF                                                               | 57R37 | DRN | 71MS4 | 41      | 713                                                                                 |
| 3.9                                 | 540                  | 362     | 8070                               | 1.10                  |                                                                                    |       |     |       |         |                                                                                     |
| 4.4                                 | 475                  | 319     | 8520                               | 1.25                  |                                                                                    |       |     |       |         |                                                                                     |
| 5.0                                 | 405                  | 280     | 8850                               | 1.45                  |                                                                                    |       |     |       |         |                                                                                     |
| 5.7                                 | 355                  | 246     | 9050                               | 1.65                  |                                                                                    |       |     |       |         |                                                                                     |
| 6.5                                 | 315                  | 215     | 9220                               | 1.90                  |                                                                                    |       |     |       |         |                                                                                     |
| 7.3                                 | 280                  | 192     | 9350                               | 2.1                   |                                                                                    |       |     |       |         |                                                                                     |
| 8.4                                 | 240                  | 166     | 9490                               | 2.5                   |                                                                                    |       |     |       |         |                                                                                     |
| 9.7                                 | 210                  | 145     | 9590                               | 2.8                   |                                                                                    |       |     |       |         |                                                                                     |
| 11                                  | 194                  | 129     | 9650                               | 3.1                   |                                                                                    |       |     |       |         |                                                                                     |
| 13                                  | 163                  | 111     | 9740                               | 3.7                   |                                                                                    |       |     |       |         |                                                                                     |
| 14                                  | 143                  | 97      | 9800                               | 4.2                   |                                                                                    |       |     |       |         |                                                                                     |
| 3.5                                 | 560                  | 401     | 9000                               | 0.90                  | K<br>KF<br>KA<br>KAF                                                               | 49R37 | DRN | 71MS4 | 44      | 713                                                                                 |
| 3.9                                 | 505                  | 360     | 9000                               | 1.00                  |                                                                                    |       |     |       |         |                                                                                     |
| 4.3                                 | 465                  | 330     | 9000                               | 1.05                  |                                                                                    |       |     |       |         |                                                                                     |
| 4.7                                 | 430                  | 300     | 9000                               | 1.15                  |                                                                                    |       |     |       |         |                                                                                     |
| 5.1                                 | 385                  | 274     | 9000                               | 1.30                  |                                                                                    |       |     |       |         |                                                                                     |
| 5.8                                 | 340                  | 243     | 9000                               | 1.45                  |                                                                                    |       |     |       |         |                                                                                     |
| 6.5                                 | 305                  | 217     | 9000                               | 1.60                  |                                                                                    |       |     |       |         |                                                                                     |
| 7.3                                 | 280                  | 193     | 9000                               | 1.80                  |                                                                                    |       |     |       |         |                                                                                     |
| 8.0                                 | 250                  | 176     | 9000                               | 2.0                   |                                                                                    |       |     |       |         |                                                                                     |
| 9.3                                 | 210                  | 152     | 9000                               | 2.4                   |                                                                                    |       |     |       |         |                                                                                     |
| 11                                  | 178                  | 125     | 9000                               | 2.8                   |                                                                                    |       |     |       |         |                                                                                     |
| 14                                  | 138                  | 99      | 9000                               | 3.6                   |                                                                                    |       |     |       |         |                                                                                     |
| 6.0                                 | 335                  | 234     | 7500                               | 0.90                  | K<br>KF<br>KA<br>KAF                                                               | 39R17 | DRN | 71MS4 | 26      | 713                                                                                 |
| 6.7                                 | 305                  | 210     | 7500                               | 1.00                  |                                                                                    |       |     |       |         |                                                                                     |
| 7.4                                 | 275                  | 189     | 7500                               | 1.10                  |                                                                                    |       |     |       |         |                                                                                     |
| 8.1                                 | 255                  | 174     | 7500                               | 1.15                  |                                                                                    |       |     |       |         |                                                                                     |
| 9.0                                 | 225                  | 156     | 7500                               | 1.30                  |                                                                                    |       |     |       |         |                                                                                     |
| 9.9                                 | 205                  | 142     | 7500                               | 1.45                  |                                                                                    |       |     |       |         |                                                                                     |
| 12                                  | 170                  | 117     | 7500                               | 1.75                  |                                                                                    |       |     |       |         |                                                                                     |
| 19                                  | 108                  | 75      | 7500                               | 2.7                   |                                                                                    |       |     |       |         |                                                                                     |
| 4.8                                 | 500                  | 192.18  | 19700                              | 2.9                   | K<br>KF<br>KA<br>KAF                                                               | 77    | DRN | 71M6  | 63      | 667                                                                                 |
| 5.1                                 | 465                  | 179.37  | 19800                              | 3.1                   |                                                                                    |       |     |       |         |                                                                                     |
| 5.9                                 | 400                  | 154.02  | 19900                              | 3.9                   |                                                                                    |       |     |       |         |                                                                                     |
| 6.8                                 | 350                  | 135.28  | 19900                              | 4.4                   |                                                                                    |       |     |       |         |                                                                                     |
| 6.3                                 | 375                  | 144.79* | 12900                              | 2.2                   | K<br>KF<br>KA<br>KAF                                                               | 67    | DRN | 71M6  | 37      | 660                                                                                 |
| 7.4                                 | 320                  | 123.54  | 13000                              | 2.5                   |                                                                                    |       |     |       |         |                                                                                     |
| 8.5                                 | 280                  | 108.03  | 13000                              | 2.9                   |                                                                                    |       |     |       |         |                                                                                     |
| 8.9                                 | 265                  | 102.62  | 13000                              | 3.1                   |                                                                                    |       |     |       |         |                                                                                     |
| 9.7                                 | 245                  | 144.79* | 13000                              | 3.3                   | K<br>KF<br>KA<br>KAF                                                               | 67    | DRN | 71MS4 | 35      | 660                                                                                 |
| 11                                  | 205                  | 123.54  | 13000                              | 3.9                   |                                                                                    |       |     |       |         |                                                                                     |
| 13                                  | 184                  | 108.03  | 13000                              | 4.5                   |                                                                                    |       |     |       |         |                                                                                     |
| 14                                  | 174                  | 102.62  | 13000                              | 4.7                   |                                                                                    |       |     |       |         |                                                                                     |
| 6.3                                 | 375                  | 145.14* | 8970                               | 1.60                  | K<br>KF<br>KA<br>KAF                                                               | 57    | DRN | 71M6  | 31      | 654                                                                                 |
| 7.4                                 | 320                  | 123.85  | 9200                               | 1.85                  |                                                                                    |       |     |       |         |                                                                                     |
| 8.4                                 | 280                  | 108.29  | 9350                               | 2.1                   |                                                                                    |       |     |       |         |                                                                                     |
| 8.9                                 | 265                  | 102.88* | 9400                               | 2.2                   |                                                                                    |       |     |       |         |                                                                                     |
| 10                                  | 235                  | 90.26*  | 9520                               | 2.5                   |                                                                                    |       |     |       |         |                                                                                     |
| 12                                  | 200                  | 76.56*  | 9630                               | 3.0                   |                                                                                    |       |     |       |         |                                                                                     |
| 9.7                                 | 245                  | 145.14* | 9480                               | 2.4                   | K<br>KF<br>KA<br>KAF                                                               | 57    | DRN | 71MS4 | 30      | 654                                                                                 |
| 11                                  | 210                  | 123.85  | 9600                               | 2.9                   |                                                                                    |       |     |       |         |                                                                                     |
| 13                                  | 184                  | 108.29  | 9680                               | 3.3                   |                                                                                    |       |     |       |         |                                                                                     |
| 14                                  | 175                  | 102.88* | 9710                               | 3.4                   |                                                                                    |       |     |       |         |                                                                                     |
| 16                                  | 153                  | 90.26*  | 9770                               | 3.9                   |                                                                                    |       |     |       |         |                                                                                     |
| 18                                  | 130                  | 76.56*  | 9840                               | 4.6                   |                                                                                    |       |     |       |         |                                                                                     |

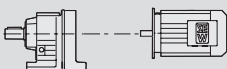
| P <sub>m</sub> = 0.25 kW                                             |                                                                |         |                                    |                       |                                                                                    |                      |                          |                                  |                      |                                                                                     |
|----------------------------------------------------------------------|----------------------------------------------------------------|---------|------------------------------------|-----------------------|------------------------------------------------------------------------------------|----------------------|--------------------------|----------------------------------|----------------------|-------------------------------------------------------------------------------------|
| n <sub>a</sub><br>min <sup>-1</sup>                                  | M <sub>a</sub><br>Nm                                           | i       | F <sub>Ra</sub> <sup>1)</sup><br>N | SEW<br>f <sub>B</sub> |  |                      |                          |                                  | m<br>kg              |  |
| 19<br>20                                                             | 128                                                            | 75.20   | 9000                               | 3.7                   | K                                                                                  | 49                   | DRN                      | 71MS4                            | 36                   | 650                                                                                 |
|                                                                      |                                                                |         |                                    |                       | KF                                                                                 | 49                   | DRN                      | 71MS4                            | 38                   | 651                                                                                 |
|                                                                      |                                                                |         |                                    |                       | KA                                                                                 | 49                   | DRN                      | 71MS4                            | 33                   | 652                                                                                 |
|                                                                      |                                                                |         |                                    |                       | KAF                                                                                | 49                   | DRN                      | 71MS4                            | 38                   | 651                                                                                 |
| 6.9<br>7.5<br>8.8                                                    | 340                                                            | 131.87* | 6620                               | 1.15                  | K                                                                                  | 47                   | DRN                      | 71M6                             | 25                   | 644                                                                                 |
|                                                                      | 315                                                            | 121.48* | 6900                               | 1.25                  | KF                                                                                 | 47                   | DRN                      | 71M6                             | 28                   | 645                                                                                 |
|                                                                      |                                                                |         |                                    |                       | KA                                                                                 | 47                   | DRN                      | 71M6                             | 24                   | 646                                                                                 |
|                                                                      | 270                                                            | 104.37  | 7290                               | 1.45                  | KAF                                                                                | 47                   | DRN                      | 71M6                             | 27                   | 645                                                                                 |
| 10<br>11                                                             | 235                                                            | 90.86   | 7550                               | 1.70                  | K                                                                                  | 47                   | DRN                      | 71M6                             | 25                   | 644                                                                                 |
|                                                                      |                                                                |         |                                    |                       | KF                                                                                 | 47                   | DRN                      | 71M6                             | 28                   | 645                                                                                 |
|                                                                      |                                                                |         |                                    |                       | KA                                                                                 | 47                   | DRN                      | 71M6                             | 24                   | 646                                                                                 |
|                                                                      | 220                                                            | 85.12*  | 7640                               | 1.80                  | KAF                                                                                | 47                   | DRN                      | 71M6                             | 27                   | 645                                                                                 |
| 11<br>12<br>13                                                       | 220                                                            | 131.87* | 7630                               | 1.80                  | K                                                                                  | 47                   | DRN                      | 71MS4                            | 24                   | 644                                                                                 |
|                                                                      | 205                                                            | 121.48* | 7740                               | 1.95                  | KF                                                                                 | 47                   | DRN                      | 71MS4                            | 27                   | 645                                                                                 |
|                                                                      |                                                                |         |                                    |                       | KA                                                                                 | 47                   | DRN                      | 71MS4                            | 23                   | 646                                                                                 |
|                                                                      | 177                                                            | 104.37  | 7890                               | 2.3                   | KAF                                                                                | 47                   | DRN                      | 71MS4                            | 26                   | 645                                                                                 |
| 15<br>17                                                             | 154                                                            | 90.86   | 7990                               | 2.6                   | K                                                                                  | 47                   | DRN                      | 71MS4                            | 24                   | 644                                                                                 |
|                                                                      |                                                                |         |                                    |                       | KF                                                                                 | 47                   | DRN                      | 71MS4                            | 27                   | 645                                                                                 |
|                                                                      |                                                                |         |                                    |                       | KA                                                                                 | 47                   | DRN                      | 71MS4                            | 23                   | 646                                                                                 |
|                                                                      | 145                                                            | 85.12*  | 8020                               | 2.8                   | KAF                                                                                | 47                   | DRN                      | 71MS4                            | 26                   | 645                                                                                 |
| 24<br>28                                                             | 99                                                             | 58.24   | 7500                               | 3.0                   | K                                                                                  | 39                   | DRN                      | 71MS4                            | 23                   | 640                                                                                 |
|                                                                      |                                                                |         |                                    |                       | KF                                                                                 | 39                   | DRN                      | 71MS4                            | 24                   | 641                                                                                 |
|                                                                      |                                                                |         |                                    |                       | KA                                                                                 | 39                   | DRN                      | 71MS4                            | 22                   | 642                                                                                 |
|                                                                      | 84                                                             | 49.69   | 7500                               | 3.5                   | KAF                                                                                | 39                   | DRN                      | 71MS4                            | 23                   | 641                                                                                 |
| 11<br>13<br>14<br>16<br>18                                           | 215                                                            | 83.69   | 5040                               | 0.90                  | K<br>KF<br>KA<br>KAF                                                               | 37<br>37<br>37<br>37 | DRN<br>DRN<br>DRN<br>DRN | 71M6<br>71M6<br>71M6<br>71M6     | 19<br>21<br>19<br>20 | 634<br>635<br>636<br>635                                                            |
|                                                                      | 189                                                            | 72.54   | 5310                               | 1.05                  |                                                                                    |                      |                          |                                  |                      |                                                                                     |
|                                                                      | 177                                                            | 67.80   | 5420                               | 1.15                  |                                                                                    |                      |                          |                                  |                      |                                                                                     |
|                                                                      | 153                                                            | 58.60   | 5640                               | 1.30                  |                                                                                    |                      |                          |                                  |                      |                                                                                     |
|                                                                      | 130                                                            | 49.79   | 5850                               | 1.55                  |                                                                                    |                      |                          |                                  |                      |                                                                                     |
| 13<br>14<br>17<br>19<br>21<br>24<br>28<br>32<br>37<br>40<br>47<br>49 | 181                                                            | 106.38  | 5380                               | 1.10                  | K<br>KF<br>KA<br>KAF                                                               | 37<br>37<br>37<br>37 | DRN<br>DRN<br>DRN<br>DRN | 71MS4<br>71MS4<br>71MS4<br>71MS4 | 18<br>20<br>17<br>19 | 634<br>635<br>636<br>635                                                            |
|                                                                      | 166                                                            | 97.81   | 5520                               | 1.20                  |                                                                                    |                      |                          |                                  |                      |                                                                                     |
|                                                                      | 142                                                            | 83.69   | 5740                               | 1.40                  |                                                                                    |                      |                          |                                  |                      |                                                                                     |
|                                                                      | 123                                                            | 72.54   | 5910                               | 1.60                  |                                                                                    |                      |                          |                                  |                      |                                                                                     |
|                                                                      | 115                                                            | 67.80   | 5980                               | 1.75                  |                                                                                    |                      |                          |                                  |                      |                                                                                     |
|                                                                      | 100                                                            | 58.60   | 5920                               | 2.0                   |                                                                                    |                      |                          |                                  |                      |                                                                                     |
|                                                                      | 85                                                             | 49.79   | 5700                               | 2.4                   |                                                                                    |                      |                          |                                  |                      |                                                                                     |
|                                                                      | 76                                                             | 44.46   | 5540                               | 2.6                   |                                                                                    |                      |                          |                                  |                      |                                                                                     |
|                                                                      | 65                                                             | 37.97   | 5320                               | 3.1                   |                                                                                    |                      |                          |                                  |                      |                                                                                     |
|                                                                      | 60                                                             | 35.57   | 5230                               | 3.3                   |                                                                                    |                      |                          |                                  |                      |                                                                                     |
|                                                                      | 51                                                             | 29.96   | 5000                               | 3.9                   |                                                                                    |                      |                          |                                  |                      |                                                                                     |
|                                                                      | 49                                                             | 28.83   | 4940                               | 4.1                   |                                                                                    |                      |                          |                                  |                      |                                                                                     |
|                                                                      | 26<br>28<br>33<br>38<br>47<br>47<br>52<br>56<br>61<br>64<br>70 | 93      | 54.89                              | 5090                  |                                                                                    |                      |                          |                                  |                      |                                                                                     |
| 86                                                                   |                                                                | 50.35   | 5110                               | 1.50                  |                                                                                    |                      |                          |                                  |                      |                                                                                     |
| 73                                                                   |                                                                | 42.87   | 5150                               | 1.75                  |                                                                                    |                      |                          |                                  |                      |                                                                                     |
| 63                                                                   |                                                                | 36.96   | 5140                               | 1.95                  |                                                                                    |                      |                          |                                  |                      |                                                                                     |
| 51                                                                   |                                                                | 30.11   | 4880                               | 2.2                   |                                                                                    |                      |                          |                                  |                      |                                                                                     |
| 50                                                                   |                                                                | 29.69   | 4920                               | 2.6                   |                                                                                    |                      |                          |                                  |                      |                                                                                     |
| 46                                                                   |                                                                | 27.23   | 4800                               | 2.8                   |                                                                                    |                      |                          |                                  |                      |                                                                                     |
| 42                                                                   |                                                                | 24.91   | 4640                               | 2.6                   |                                                                                    |                      |                          |                                  |                      |                                                                                     |
| 39                                                                   |                                                                | 23.19   | 4590                               | 3.3                   |                                                                                    |                      |                          |                                  |                      |                                                                                     |
| 38                                                                   |                                                                | 22.08   | 4490                               | 2.8                   |                                                                                    |                      |                          |                                  |                      |                                                                                     |
| 34                                                                   |                                                                | 19.99   | 4400                               | 3.8                   |                                                                                    |                      |                          |                                  |                      |                                                                                     |

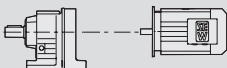
| P <sub>m</sub> = 0.25 kW            |                      |       |                                    |                       |                                                                                    |  |  |  |         |                                                                                     |
|-------------------------------------|----------------------|-------|------------------------------------|-----------------------|------------------------------------------------------------------------------------|--|--|--|---------|-------------------------------------------------------------------------------------|
| n <sub>a</sub><br>min <sup>-1</sup> | M <sub>a</sub><br>Nm | i     | F <sub>Ra</sub> <sup>1)</sup><br>N | SEW<br>f <sub>B</sub> |  |  |  |  | m<br>kg |  |
| 32                                  | 76                   | 44.48 | 4290                               | 0.90                  |                                                                                    |  |  |  |         |                                                                                     |
| 35                                  | 69                   | 40.63 | 4330                               | 0.95                  |                                                                                    |  |  |  |         |                                                                                     |
| 41                                  | 58                   | 34.29 | 4400                               | 1.10                  |                                                                                    |  |  |  |         |                                                                                     |
| 48                                  | 50                   | 29.29 | 4330                               | 1.25                  |                                                                                    |  |  |  |         |                                                                                     |
| 52                                  | 46                   | 27.16 | 4250                               | 1.30                  |                                                                                    |  |  |  |         |                                                                                     |
| 58                                  | 41                   | 24.06 | 4210                               | 1.95                  |                                                                                    |  |  |  |         |                                                                                     |
| 64                                  | 37                   | 21.98 | 4110                               | 2.1                   |                                                                                    |  |  |  |         |                                                                                     |
| 76                                  | 32                   | 18.55 | 3920                               | 2.5                   |                                                                                    |  |  |  |         |                                                                                     |
| 89                                  | 27                   | 15.84 | 3750                               | 3.0                   |                                                                                    |  |  |  |         |                                                                                     |
| 96                                  | 25                   | 14.69 | 3670                               | 3.2                   |                                                                                    |  |  |  |         |                                                                                     |
| 111                                 | 22                   | 12.70 | 3520                               | 3.7                   |                                                                                    |  |  |  |         |                                                                                     |
| 119                                 | 20                   | 11.84 | 3450                               | 3.9                   |                                                                                    |  |  |  |         |                                                                                     |
| 136                                 | 18                   | 10.32 | 3310                               | 4.3                   |                                                                                    |  |  |  |         |                                                                                     |
| 147                                 | 16                   | 9.58  | 3280                               | 3.9                   |                                                                                    |  |  |  |         |                                                                                     |
| 174                                 | 14                   | 8.09  | 3110                               | 5.8                   |                                                                                    |  |  |  |         |                                                                                     |
| 203                                 | 12                   | 6.91  | 2960                               | 6.8                   |                                                                                    |  |  |  |         |                                                                                     |
| 219                                 | 11                   | 6.41  | 2890                               | 7.3                   |                                                                                    |  |  |  |         |                                                                                     |
| 254                                 | 9.4                  | 5.54  | 2760                               | 8.5                   |                                                                                    |  |  |  |         |                                                                                     |
| 272                                 | 8.8                  | 5.16  | 2700                               | 9.1                   |                                                                                    |  |  |  |         |                                                                                     |

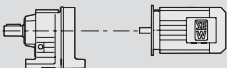
| P <sub>m</sub> = 0.37 kW            |                      |      |                                    |                       |                                                                                    |        |     |      |         |                                                                                     |
|-------------------------------------|----------------------|------|------------------------------------|-----------------------|------------------------------------------------------------------------------------|--------|-----|------|---------|-------------------------------------------------------------------------------------|
| n <sub>a</sub><br>min <sup>-1</sup> | M <sub>a</sub><br>Nm | i    | F <sub>Ra</sub> <sup>1)</sup><br>N | SEW<br>f <sub>B</sub> |  |        |     |      | m<br>kg |  |
| 0.19                                | 16100                | 7482 | 73600                              | 0.80                  | K<br>KF<br>KA<br>KAF                                                               | 127R77 | DRN | 71M4 | 475     | 713                                                                                 |
| 0.22                                | 14100                | 6565 | 77700                              | 0.90                  |                                                                                    | 127R77 | DRN | 71M4 | 510     | 713                                                                                 |
| 0.24                                | 12200                | 5804 | 79600                              | 1.05                  |                                                                                    | 127R77 | DRN | 71M4 | 445     | 713                                                                                 |
| 0.28                                | 10700                | 5027 | 80300                              | 1.20                  |                                                                                    | 127R77 | DRN | 71M4 | 480     | 713                                                                                 |
| 0.32                                | 9340                 | 4423 | 80900                              | 1.40                  |                                                                                    |        |     |      |         |                                                                                     |
| 0.36                                | 8180                 | 3889 | 81400                              | 1.60                  |                                                                                    |        |     |      |         |                                                                                     |
| 0.43                                | 6880                 | 3311 | 81800                              | 1.90                  |                                                                                    |        |     |      |         |                                                                                     |
| 0.73                                | 4160                 | 1926 | 82500                              | 3.1                   | K                                                                                  | 127R77 | DRN | 71M4 | 470     | 713                                                                                 |
| 0.81                                | 3790                 | 1757 | 82500                              | 3.4                   | KF                                                                                 | 127R77 | DRN | 71M4 | 510     | 713                                                                                 |
| 0.92                                | 3290                 | 1541 | 82600                              | 3.9                   | KA                                                                                 | 127R77 | DRN | 71M4 | 445     | 713                                                                                 |
|                                     |                      |      |                                    |                       | KAF                                                                                | 127R77 | DRN | 71M4 | 480     | 713                                                                                 |
| 0.37                                | 8190                 | 3810 | 65000                              | 1.00                  | K<br>KF<br>KA<br>KAF                                                               | 107R77 | DRN | 71M4 | 310     | 713                                                                                 |
| 0.42                                | 7090                 | 3358 | 65000                              | 1.15                  |                                                                                    | 107R77 | DRN | 71M4 | 325     | 713                                                                                 |
| 0.48                                | 6360                 | 2977 | 65000                              | 1.25                  |                                                                                    | 107R77 | DRN | 71M4 | 285     | 713                                                                                 |
| 0.54                                | 5550                 | 2599 | 65000                              | 1.45                  |                                                                                    | 107R77 | DRN | 71M4 | 310     | 713                                                                                 |
| 0.62                                | 4830                 | 2286 | 65000                              | 1.65                  |                                                                                    |        |     |      |         |                                                                                     |
| 0.73                                | 4090                 | 1939 | 65000                              | 1.95                  |                                                                                    |        |     |      |         |                                                                                     |
| 0.83                                | 3730                 | 1713 | 65000                              | 2.1                   | K                                                                                  | 107R77 | DRN | 71M4 | 310     | 713                                                                                 |
| 0.91                                | 3380                 | 1554 | 65000                              | 2.4                   | KF                                                                                 | 107R77 | DRN | 71M4 | 325     | 713                                                                                 |
| 1.1                                 | 2900                 | 1336 | 65000                              | 2.8                   | KA                                                                                 | 107R77 | DRN | 71M4 | 285     | 713                                                                                 |
| 1.2                                 | 2530                 | 1166 | 65000                              | 3.1                   | KAF                                                                                | 107R77 | DRN | 71M4 | 310     | 713                                                                                 |
| 0.67                                | 4720                 | 2123 | 40000                              | 0.90                  | K<br>KF<br>KA<br>KAF                                                               | 97R57  | DRN | 71M4 | 180     | 713                                                                                 |
| 0.76                                | 4160                 | 1856 | 40000                              | 1.05                  |                                                                                    |        |     |      |         |                                                                                     |
| 0.87                                | 3570                 | 1625 | 40000                              | 1.20                  |                                                                                    |        |     |      |         |                                                                                     |
| 0.99                                | 3110                 | 1430 | 40000                              | 1.40                  |                                                                                    |        |     |      |         |                                                                                     |
| 1.1                                 | 2820                 | 1261 | 40000                              | 1.50                  |                                                                                    |        |     |      |         |                                                                                     |
| 1.3                                 | 2470                 | 1102 | 40000                              | 1.75                  |                                                                                    |        |     |      |         |                                                                                     |
| 1.5                                 | 2160                 | 957  | 40000                              | 2.0                   |                                                                                    |        |     |      |         |                                                                                     |
| 1.6                                 | 1930                 | 855  | 40000                              | 2.2                   |                                                                                    |        |     |      |         |                                                                                     |
| 1.9                                 | 1590                 | 743  | 40000                              | 2.7                   |                                                                                    |        |     |      |         |                                                                                     |
| 2.2                                 | 1410                 | 652  | 40000                              | 3.0                   |                                                                                    |        |     |      |         |                                                                                     |
| 2.5                                 | 1270                 | 573  | 40000                              | 3.4                   |                                                                                    |        |     |      |         |                                                                                     |

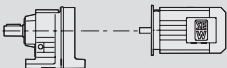
| P <sub>m</sub> = 0.37 kW            |                      |        |                                    |                       |                                                                                    |                                  |                          |                                  |                          |                                                                                     |
|-------------------------------------|----------------------|--------|------------------------------------|-----------------------|------------------------------------------------------------------------------------|----------------------------------|--------------------------|----------------------------------|--------------------------|-------------------------------------------------------------------------------------|
| n <sub>a</sub><br>min <sup>-1</sup> | M <sub>a</sub><br>Nm | i      | F <sub>Ra</sub> <sup>1)</sup><br>N | SEW<br>f <sub>B</sub> |  |                                  |                          |                                  | m<br>kg                  |  |
| 1.0                                 | 3160                 | 1415   | 26600                              | 0.85                  | K<br>KF<br>KA<br>KAF                                                               | 87R57<br>87R57<br>87R57<br>87R57 | DRN<br>DRN<br>DRN<br>DRN | 71M4<br>71M4<br>71M4<br>71M4     | 120<br>130<br>110<br>120 | 713<br>713<br>713<br>713                                                            |
| 1.1                                 | 2750                 | 1229   | 27200                              | 1.00                  |                                                                                    |                                  |                          |                                  |                          |                                                                                     |
| 1.3                                 | 2400                 | 1078   | 27600                              | 1.10                  |                                                                                    |                                  |                          |                                  |                          |                                                                                     |
| 1.5                                 | 2090                 | 951    | 28000                              | 1.30                  |                                                                                    |                                  |                          |                                  |                          |                                                                                     |
| 1.7                                 | 1820                 | 837    | 28200                              | 1.50                  |                                                                                    |                                  |                          |                                  |                          |                                                                                     |
| 1.9                                 | 1580                 | 726    | 28400                              | 1.70                  |                                                                                    |                                  |                          |                                  |                          |                                                                                     |
| 2.2                                 | 1400                 | 638    | 28500                              | 1.90                  |                                                                                    |                                  |                          |                                  |                          |                                                                                     |
| 2.5                                 | 1220                 | 562    | 28700                              | 2.2                   |                                                                                    |                                  |                          |                                  |                          |                                                                                     |
| 3.0                                 | 1030                 | 474    | 28800                              | 2.6                   |                                                                                    |                                  |                          |                                  |                          |                                                                                     |
| 3.3                                 | 920                  | 426    | 28800                              | 2.9                   |                                                                                    |                                  |                          |                                  |                          |                                                                                     |
| 3.8                                 | 810                  | 373    | 28900                              | 3.3                   |                                                                                    |                                  |                          |                                  |                          |                                                                                     |
| 1.7                                 | 1830                 | 815    | 11900                              | 0.85                  | K<br>KF<br>KA<br>KAF                                                               | 77R37<br>77R37<br>77R37<br>77R37 | DRN<br>DRN<br>DRN<br>DRN | 71M4<br>71M4<br>71M4<br>71M4     | 72<br>80<br>64<br>72     | 713<br>713<br>713<br>713                                                            |
| 2.0                                 | 1550                 | 709    | 15400                              | 1.00                  |                                                                                    |                                  |                          |                                  |                          |                                                                                     |
| 2.3                                 | 1360                 | 622    | 16600                              | 1.15                  |                                                                                    |                                  |                          |                                  |                          |                                                                                     |
| 2.6                                 | 1210                 | 552    | 17400                              | 1.25                  |                                                                                    |                                  |                          |                                  |                          |                                                                                     |
| 2.9                                 | 1060                 | 485    | 18000                              | 1.45                  |                                                                                    |                                  |                          |                                  |                          |                                                                                     |
| 3.3                                 | 940                  | 428    | 18500                              | 1.65                  |                                                                                    |                                  |                          |                                  |                          |                                                                                     |
| 3.9                                 | 810                  | 367    | 18900                              | 1.90                  |                                                                                    |                                  |                          |                                  |                          |                                                                                     |
| 4.3                                 | 725                  | 328    | 19200                              | 2.1                   |                                                                                    |                                  |                          |                                  |                          |                                                                                     |
| 4.9                                 | 645                  | 290    | 19400                              | 2.4                   |                                                                                    |                                  |                          |                                  |                          |                                                                                     |
| 5.6                                 | 555                  | 252    | 19600                              | 2.8                   |                                                                                    |                                  |                          |                                  |                          |                                                                                     |
| 6.4                                 | 485                  | 221    | 19700                              | 3.2                   |                                                                                    |                                  |                          |                                  |                          |                                                                                     |
| 7.2                                 | 430                  | 195    | 19800                              | 3.6                   |                                                                                    |                                  |                          |                                  |                          |                                                                                     |
| 8.1                                 | 380                  | 175    | 19900                              | 4.1                   |                                                                                    |                                  |                          |                                  |                          |                                                                                     |
| 9.2                                 | 335                  | 154    | 19900                              | 4.6                   |                                                                                    |                                  |                          |                                  |                          |                                                                                     |
| 3.4                                 | 920                  | 420    | 9250                               | 0.90                  | K<br>KF<br>KA<br>KAF                                                               | 67R37<br>67R37<br>67R37<br>67R37 | DRN<br>DRN<br>DRN<br>DRN | 71M4<br>71M4<br>71M4<br>71M4     | 48<br>53<br>45<br>51     | 713<br>713<br>713<br>713                                                            |
| 3.9                                 | 810                  | 361    | 10300                              | 1.00                  |                                                                                    |                                  |                          |                                  |                          |                                                                                     |
| 4.4                                 | 725                  | 323    | 11100                              | 1.15                  |                                                                                    |                                  |                          |                                  |                          |                                                                                     |
| 5.1                                 | 610                  | 279    | 11800                              | 1.35                  |                                                                                    |                                  |                          |                                  |                          |                                                                                     |
| 5.8                                 | 540                  | 246    | 12200                              | 1.50                  |                                                                                    |                                  |                          |                                  |                          |                                                                                     |
| 6.5                                 | 480                  | 217    | 12500                              | 1.70                  |                                                                                    |                                  |                          |                                  |                          |                                                                                     |
| 7.4                                 | 420                  | 191    | 12700                              | 1.95                  |                                                                                    |                                  |                          |                                  |                          |                                                                                     |
| 8.5                                 | 360                  | 166    | 12900                              | 2.2                   |                                                                                    |                                  |                          |                                  |                          |                                                                                     |
| 9.8                                 | 320                  | 144    | 13000                              | 2.6                   |                                                                                    |                                  |                          |                                  |                          |                                                                                     |
| 12                                  | 270                  | 122    | 13000                              | 3.0                   |                                                                                    |                                  |                          |                                  |                          |                                                                                     |
| 5.1                                 | 615                  | 280    | 7490                               | 0.95                  | K<br>KF<br>KA<br>KAF                                                               | 57R37<br>57R37<br>57R37<br>57R37 | DRN<br>DRN<br>DRN<br>DRN | 71M4<br>71M4<br>71M4<br>71M4     | 42<br>47<br>40<br>46     | 713<br>713<br>713<br>713                                                            |
| 5.8                                 | 540                  | 246    | 8090                               | 1.10                  |                                                                                    |                                  |                          |                                  |                          |                                                                                     |
| 6.6                                 | 475                  | 215    | 8520                               | 1.25                  |                                                                                    |                                  |                          |                                  |                          |                                                                                     |
| 7.4                                 | 420                  | 192    | 8770                               | 1.40                  |                                                                                    |                                  |                          |                                  |                          |                                                                                     |
| 8.5                                 | 365                  | 166    | 9020                               | 1.65                  |                                                                                    |                                  |                          |                                  |                          |                                                                                     |
| 9.8                                 | 320                  | 145    | 9200                               | 1.85                  |                                                                                    |                                  |                          |                                  |                          |                                                                                     |
| 11                                  | 290                  | 129    | 9320                               | 2.1                   |                                                                                    |                                  |                          |                                  |                          |                                                                                     |
| 13                                  | 245                  | 111    | 9480                               | 2.4                   |                                                                                    |                                  |                          |                                  |                          |                                                                                     |
| 15                                  | 215                  | 97     | 9580                               | 2.8                   |                                                                                    |                                  |                          |                                  |                          |                                                                                     |
| 5.2                                 | 585                  | 274    | 9000                               | 0.85                  | K<br>KF<br>KA<br>KAF                                                               | 49R37<br>49R37<br>49R37<br>49R37 | DRN<br>DRN<br>DRN<br>DRN | 71M4<br>71M4<br>71M4<br>71M4     | 46<br>47<br>43<br>48     | 713<br>713<br>713<br>713                                                            |
| 5.8                                 | 515                  | 243    | 9000                               | 0.95                  |                                                                                    |                                  |                          |                                  |                          |                                                                                     |
| 6.5                                 | 465                  | 217    | 9000                               | 1.05                  |                                                                                    |                                  |                          |                                  |                          |                                                                                     |
| 7.3                                 | 420                  | 193    | 9000                               | 1.20                  |                                                                                    |                                  |                          |                                  |                          |                                                                                     |
| 8.0                                 | 380                  | 176    | 9000                               | 1.30                  |                                                                                    |                                  |                          |                                  |                          |                                                                                     |
| 9.3                                 | 320                  | 152    | 9000                               | 1.55                  |                                                                                    |                                  |                          |                                  |                          |                                                                                     |
| 11                                  | 265                  | 125    | 9000                               | 1.85                  |                                                                                    |                                  |                          |                                  |                          |                                                                                     |
| 14                                  | 205                  | 99     | 9000                               | 2.4                   |                                                                                    |                                  |                          |                                  |                          |                                                                                     |
| 9.1                                 | 340                  | 156    | 7500                               | 0.90                  | K<br>KF<br>KA<br>KAF                                                               | 39R17<br>39R17<br>39R17<br>39R17 | DRN<br>DRN<br>DRN<br>DRN | 71M4<br>71M4<br>71M4<br>71M4     | 27<br>29<br>26<br>28     | 713<br>713<br>713<br>713                                                            |
| 10.0                                | 310                  | 142    | 7500                               | 0.95                  |                                                                                    |                                  |                          |                                  |                          |                                                                                     |
| 12                                  | 255                  | 117    | 7500                               | 1.20                  |                                                                                    |                                  |                          |                                  |                          |                                                                                     |
| 19                                  | 162                  | 75     | 7500                               | 1.80                  |                                                                                    |                                  |                          |                                  |                          |                                                                                     |
| 4.7                                 | 745                  | 197.37 | 28900                              | 3.6                   | K<br>KF<br>KA<br>KAF                                                               | 87<br>87<br>87<br>87             | DRN<br>DRN<br>DRN<br>DRN | 80MK6<br>80MK6<br>80MK6<br>80MK6 | 100<br>110<br>89<br>100  | 674<br>675<br>677<br>675                                                            |
| 5.4                                 | 655                  | 174.19 | 28900                              | 4.1                   |                                                                                    |                                  |                          |                                  |                          |                                                                                     |
| 6.1                                 | 580                  | 154.02 | 19500                              | 2.7                   |                                                                                    |                                  |                          |                                  |                          |                                                                                     |
| 6.9                                 | 510                  | 135.28 | 19700                              | 3.0                   |                                                                                    |                                  |                          |                                  |                          |                                                                                     |
| 7.3                                 | 485                  | 128.52 | 19700                              | 3.2                   | K<br>KF<br>KA<br>KAF                                                               | 77<br>77<br>77<br>77             | DRN<br>DRN<br>DRN<br>DRN | 80MK6<br>80MK6<br>80MK6<br>80MK6 | 65<br>73<br>58<br>65     | 667<br>668<br>670<br>668                                                            |
| 8.2                                 | 425                  | 113.56 | 19800                              | 3.6                   |                                                                                    |                                  |                          |                                  |                          |                                                                                     |

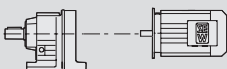
| P <sub>m</sub> = 0.37 kW            |                      |         |                                    |                       |                                                                                    |    |     |       |         |                                                                                     |
|-------------------------------------|----------------------|---------|------------------------------------|-----------------------|------------------------------------------------------------------------------------|----|-----|-------|---------|-------------------------------------------------------------------------------------|
| n <sub>a</sub><br>min <sup>-1</sup> | M <sub>a</sub><br>Nm | i       | F <sub>Ra</sub> <sup>1)</sup><br>N | SEW<br>f <sub>B</sub> |  |    |     |       | m<br>kg |  |
| 7.4                                 | 475                  | 192.18  | 19700                              | 3.0                   | K                                                                                  | 77 | DRN | 71M4  | 63      | 667                                                                                 |
| 7.9                                 | 445                  | 179.37  | 19800                              | 3.2                   | KF                                                                                 | 77 | DRN | 71M4  | 71      | 668                                                                                 |
| 9.2                                 | 380                  | 154.02  | 19900                              | 4.0                   | KA                                                                                 | 77 | DRN | 71M4  | 55      | 670                                                                                 |
|                                     |                      |         |                                    |                       | KAF                                                                                | 77 | DRN | 71M4  | 63      | 668                                                                                 |
| 7.6                                 | 465                  | 123.54  | 12600                              | 1.75                  | K                                                                                  | 67 | DRN | 80MK6 | 39      | 660                                                                                 |
| 8.7                                 | 405                  | 108.03  | 12800                              | 2.0                   | KF                                                                                 | 67 | DRN | 80MK6 | 45      | 661                                                                                 |
| 9.1                                 | 385                  | 102.62  | 12900                              | 2.1                   | KA                                                                                 | 67 | DRN | 80MK6 | 36      | 663                                                                                 |
| 10                                  | 340                  | 90.04   | 13000                              | 2.4                   | KAF                                                                                | 67 | DRN | 80MK6 | 42      | 661                                                                                 |
| 9.8                                 | 360                  | 144.79* | 12900                              | 2.3                   | K                                                                                  | 67 | DRN | 71M4  | 37      | 660                                                                                 |
| 11                                  | 305                  | 123.54  | 13000                              | 2.7                   | KF                                                                                 | 67 | DRN | 71M4  | 42      | 661                                                                                 |
| 13                                  | 265                  | 108.03  | 13000                              | 3.0                   | KA                                                                                 | 67 | DRN | 71M4  | 34      | 663                                                                                 |
| 16                                  | 220                  | 90.04   | 13000                              | 3.6                   | KAF                                                                                | 67 | DRN | 71M4  | 40      | 661                                                                                 |
| 19                                  | 191                  | 76.37   | 13000                              | 4.3                   |                                                                                    |    |     |       |         |                                                                                     |
| 7.5                                 | 465                  | 123.85  | 8570                               | 1.30                  | K                                                                                  | 57 | DRN | 80MK6 | 33      | 654                                                                                 |
| 8.6                                 | 405                  | 108.29  | 8840                               | 1.45                  | KF                                                                                 | 57 | DRN | 80MK6 | 38      | 655                                                                                 |
| 9.1                                 | 385                  | 102.88* | 8930                               | 1.55                  | KA                                                                                 | 57 | DRN | 80MK6 | 31      | 656                                                                                 |
| 10                                  | 340                  | 90.26*  | 9130                               | 1.75                  | KAF                                                                                | 57 | DRN | 80MK6 | 37      | 655                                                                                 |
| 12                                  | 285                  | 76.56*  | 9320                               | 2.1                   |                                                                                    |    |     |       |         |                                                                                     |
| 14                                  | 260                  | 69.12   | 9430                               | 2.3                   |                                                                                    |    |     |       |         |                                                                                     |
| 9.8                                 | 360                  | 145.14* | 9040                               | 1.65                  | K                                                                                  | 57 | DRN | 71M4  | 31      | 654                                                                                 |
| 11                                  | 305                  | 123.85  | 9250                               | 1.95                  | KF                                                                                 | 57 | DRN | 71M4  | 36      | 655                                                                                 |
| 13                                  | 270                  | 108.29  | 9390                               | 2.2                   | KA                                                                                 | 57 | DRN | 71M4  | 29      | 656                                                                                 |
| 14                                  | 255                  | 102.88* | 9440                               | 2.3                   | KAF                                                                                | 57 | DRN | 71M4  | 34      | 655                                                                                 |
| 16                                  | 225                  | 90.26*  | 9550                               | 2.7                   |                                                                                    |    |     |       |         |                                                                                     |
| 18                                  | 191                  | 76.56*  | 9660                               | 3.1                   |                                                                                    |    |     |       |         |                                                                                     |
| 20                                  | 173                  | 69.12   | 9720                               | 3.5                   |                                                                                    |    |     |       |         |                                                                                     |
| 19                                  | 188                  | 75.20   | 9000                               | 2.5                   | K                                                                                  | 49 | DRN | 71M4  | 37      | 650                                                                                 |
| 20                                  | 175                  | 70.19   | 9000                               | 2.5                   | KF                                                                                 | 49 | DRN | 71M4  | 39      | 651                                                                                 |
| 23                                  | 150                  | 60.27   | 9000                               | 3.3                   | KA                                                                                 | 49 | DRN | 71M4  | 35      | 652                                                                                 |
|                                     |                      |         |                                    |                       | KAF                                                                                | 49 | DRN | 71M4  | 39      | 651                                                                                 |
| 9.0                                 | 390                  | 104.37  | 6000                               | 1.00                  | K                                                                                  | 47 | DRN | 80MK6 | 27      | 644                                                                                 |
| 10                                  | 340                  | 90.86   | 6630                               | 1.15                  | KF                                                                                 | 47 | DRN | 80MK6 | 31      | 645                                                                                 |
| 11                                  | 320                  | 85.12*  | 6860                               | 1.25                  | KA                                                                                 | 47 | DRN | 80MK6 | 27      | 646                                                                                 |
| 12                                  | 280                  | 75.20*  | 7200                               | 1.40                  | KAF                                                                                | 47 | DRN | 80MK6 | 29      | 645                                                                                 |
| 11                                  | 325                  | 131.87* | 6780                               | 1.20                  | K                                                                                  | 47 | DRN | 71M4  | 25      | 644                                                                                 |
| 12                                  | 300                  | 121.48* | 7030                               | 1.30                  | KF                                                                                 | 47 | DRN | 71M4  | 28      | 645                                                                                 |
| 14                                  | 260                  | 104.37  | 7380                               | 1.55                  | KA                                                                                 | 47 | DRN | 71M4  | 24      | 646                                                                                 |
|                                     |                      |         |                                    |                       | KAF                                                                                | 47 | DRN | 71M4  | 27      | 645                                                                                 |
| 16                                  | 225                  | 90.86   | 7610                               | 1.75                  | K                                                                                  | 47 | DRN | 71M4  | 25      | 644                                                                                 |
| 17                                  | 210                  | 85.12*  | 7700                               | 1.90                  | KF                                                                                 | 47 | DRN | 71M4  | 28      | 645                                                                                 |
| 19                                  | 188                  | 75.20*  | 7840                               | 2.1                   | KA                                                                                 | 47 | DRN | 71M4  | 24      | 646                                                                                 |
| 20                                  | 174                  | 69.84   | 7900                               | 2.3                   | KAF                                                                                | 47 | DRN | 71M4  | 27      | 645                                                                                 |
| 22                                  | 158                  | 63.30*  | 7970                               | 2.5                   |                                                                                    |    |     |       |         |                                                                                     |
| 24                                  | 145                  | 58.24   | 7500                               | 2.1                   | K                                                                                  | 39 | DRN | 71M4  | 24      | 640                                                                                 |
| 28                                  | 124                  | 49.69   | 7500                               | 2.4                   | KF                                                                                 | 39 | DRN | 71M4  | 25      | 641                                                                                 |
| 33                                  | 108                  | 43.45   | 7500                               | 2.8                   | KA                                                                                 | 39 | DRN | 71M4  | 23      | 642                                                                                 |
| 34                                  | 103                  | 41.28   | 7500                               | 2.9                   | KAF                                                                                | 39 | DRN | 71M4  | 24      | 641                                                                                 |
| 39                                  | 90                   | 36.22   | 7500                               | 3.3                   |                                                                                    |    |     |       |         |                                                                                     |
| 14                                  | 240                  | 97.81   | 3550                               | 0.80                  |                                                                                    |    |     |       |         |                                                                                     |
| 17                                  | 205                  | 83.69   | 5130                               | 0.95                  |                                                                                    |    |     |       |         |                                                                                     |
| 20                                  | 181                  | 72.54   | 5380                               | 1.10                  |                                                                                    |    |     |       |         |                                                                                     |
| 21                                  | 169                  | 67.80   | 5490                               | 1.20                  |                                                                                    |    |     |       |         |                                                                                     |
| 24                                  | 146                  | 58.60   | 5480                               | 1.35                  |                                                                                    |    |     |       |         |                                                                                     |
| 28                                  | 124                  | 49.79   | 5320                               | 1.60                  |                                                                                    |    |     |       |         |                                                                                     |
| 32                                  | 111                  | 44.46   | 5200                               | 1.80                  | K                                                                                  | 37 | DRN | 71M4  | 19      | 634                                                                                 |
| 37                                  | 95                   | 37.97   | 5030                               | 2.1                   | KF                                                                                 | 37 | DRN | 71M4  | 21      | 635                                                                                 |
| 40                                  | 89                   | 35.57   | 4960                               | 2.2                   | KA                                                                                 | 37 | DRN | 71M4  | 19      | 636                                                                                 |
| 47                                  | 75                   | 29.96   | 4770                               | 2.7                   | KAF                                                                                | 37 | DRN | 71M4  | 20      | 635                                                                                 |
| 49                                  | 72                   | 28.83   | 4720                               | 2.8                   |                                                                                    |    |     |       |         |                                                                                     |
| 57                                  | 62                   | 24.99   | 4560                               | 3.2                   |                                                                                    |    |     |       |         |                                                                                     |
| 61                                  | 58                   | 23.36   | 4480                               | 3.3                   |                                                                                    |    |     |       |         |                                                                                     |
| 70                                  | 50                   | 20.19   | 4320                               | 3.7                   |                                                                                    |    |     |       |         |                                                                                     |
| 82                                  | 43                   | 17.15   | 4130                               | 4.2                   |                                                                                    |    |     |       |         |                                                                                     |

| P <sub>m</sub> = 0.37 kW            |                      |       |                                    |                       |                                                                                    |  |  |  |         |                                                                                     |
|-------------------------------------|----------------------|-------|------------------------------------|-----------------------|------------------------------------------------------------------------------------|--|--|--|---------|-------------------------------------------------------------------------------------|
| n <sub>a</sub><br>min <sup>-1</sup> | M <sub>a</sub><br>Nm | i     | F <sub>Ra</sub> <sup>1)</sup><br>N | SEW<br>f <sub>B</sub> |  |  |  |  | m<br>kg |  |
| 26                                  | 137                  | 54.89 | 4950                               | 0.95                  |                                                                                    |  |  |  |         |                                                                                     |
| 28                                  | 126                  | 50.35 | 4990                               | 1.05                  |                                                                                    |  |  |  |         |                                                                                     |
| 33                                  | 107                  | 42.87 | 4980                               | 1.20                  |                                                                                    |  |  |  |         |                                                                                     |
| 38                                  | 92                   | 36.96 | 4840                               | 1.30                  |                                                                                    |  |  |  |         |                                                                                     |
| 47                                  | 75                   | 30.11 | 4630                               | 1.55                  |                                                                                    |  |  |  |         |                                                                                     |
| 48                                  | 74                   | 29.69 | 4690                               | 1.75                  |                                                                                    |  |  |  |         |                                                                                     |
| 52                                  | 68                   | 27.23 | 4590                               | 1.90                  |                                                                                    |  |  |  |         |                                                                                     |
| 57                                  | 62                   | 24.91 | 4430                               | 1.75                  |                                                                                    |  |  |  |         |                                                                                     |
| 61                                  | 58                   | 23.19 | 4410                               | 2.2                   |                                                                                    |  |  |  |         |                                                                                     |
| 64                                  | 55                   | 22.08 | 4300                               | 1.90                  |                                                                                    |  |  |  |         |                                                                                     |
| 71                                  | 50                   | 19.99 | 4250                               | 2.6                   |                                                                                    |  |  |  |         |                                                                                     |
| 87                                  | 41                   | 16.29 | 4020                               | 3.2                   |                                                                                    |  |  |  |         |                                                                                     |
| 48                                  | 73                   | 29.29 | 4030                               | 0.85                  |                                                                                    |  |  |  |         |                                                                                     |
| 52                                  | 68                   | 27.16 | 3980                               | 0.90                  |                                                                                    |  |  |  |         |                                                                                     |
| 59                                  | 60                   | 24.06 | 4000                               | 1.35                  |                                                                                    |  |  |  |         |                                                                                     |
| 64                                  | 55                   | 21.98 | 3920                               | 1.45                  |                                                                                    |  |  |  |         |                                                                                     |
| 76                                  | 46                   | 18.55 | 3760                               | 1.75                  |                                                                                    |  |  |  |         |                                                                                     |
| 89                                  | 40                   | 15.84 | 3610                               | 2.0                   |                                                                                    |  |  |  |         |                                                                                     |
| 96                                  | 37                   | 14.69 | 3540                               | 2.2                   |                                                                                    |  |  |  |         |                                                                                     |
| 111                                 | 32                   | 12.70 | 3410                               | 2.5                   |                                                                                    |  |  |  |         |                                                                                     |
| 120                                 | 30                   | 11.84 | 3340                               | 2.7                   |                                                                                    |  |  |  |         |                                                                                     |
| 137                                 | 26                   | 10.32 | 3220                               | 3.0                   |                                                                                    |  |  |  |         |                                                                                     |
| 148                                 | 24                   | 9.58  | 3210                               | 2.6                   |                                                                                    |  |  |  |         |                                                                                     |
| 175                                 | 20                   | 8.09  | 3050                               | 4.0                   |                                                                                    |  |  |  |         |                                                                                     |
| 205                                 | 17                   | 6.91  | 2910                               | 4.6                   |                                                                                    |  |  |  |         |                                                                                     |
| 221                                 | 16                   | 6.41  | 2850                               | 5.0                   |                                                                                    |  |  |  |         |                                                                                     |
| 255                                 | 14                   | 5.54  | 2720                               | 5.8                   |                                                                                    |  |  |  |         |                                                                                     |
| 274                                 | 13                   | 5.16  | 2660                               | 6.2                   |                                                                                    |  |  |  |         |                                                                                     |
| 314                                 | 11                   | 4.50  | 2550                               | 7.1                   |                                                                                    |  |  |  |         |                                                                                     |

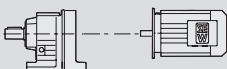
| P <sub>m</sub> = 0.55 kW            |                      |       |                                    |                       |                                                                                      |  |  |  |         |                                                                                       |
|-------------------------------------|----------------------|-------|------------------------------------|-----------------------|--------------------------------------------------------------------------------------|--|--|--|---------|---------------------------------------------------------------------------------------|
| n <sub>a</sub><br>min <sup>-1</sup> | M <sub>a</sub><br>Nm | i     | F <sub>Ra</sub> <sup>1)</sup><br>N | SEW<br>f <sub>B</sub> |  |  |  |  | m<br>kg |  |
| 0.07                                | 58400                | 19144 | 190000                             | 0.90                  |                                                                                      |  |  |  |         |                                                                                       |
| 0.08                                | 51800                | 16978 | 190000                             | 1.00                  |                                                                                      |  |  |  |         |                                                                                       |
| 0.10                                | 43400                | 14272 | 190000                             | 1.20                  |                                                                                      |  |  |  |         |                                                                                       |
| 0.11                                | 39400                | 13116 | 190000                             | 1.35                  |                                                                                      |  |  |  |         |                                                                                       |
| 0.12                                | 34300                | 11647 | 190000                             | 1.55                  |                                                                                      |  |  |  |         |                                                                                       |
| 0.20                                | 22300                | 7343  | 190000                             | 2.4                   |                                                                                      |  |  |  |         |                                                                                       |
| 0.11                                | 40400                | 13238 | 150000                             | 0.85                  |                                                                                      |  |  |  |         |                                                                                       |
| 0.12                                | 35300                | 11573 | 150000                             | 1.00                  |                                                                                      |  |  |  |         |                                                                                       |
| 0.14                                | 31300                | 10264 | 150000                             | 1.10                  |                                                                                      |  |  |  |         |                                                                                       |
| 0.17                                | 26200                | 8628  | 150000                             | 1.35                  |                                                                                      |  |  |  |         |                                                                                       |
| 0.22                                | 19900                | 6562  | 150000                             | 1.75                  |                                                                                      |  |  |  |         |                                                                                       |
| 0.27                                | 15700                | 5355  | 150000                             | 2.2                   |                                                                                      |  |  |  |         |                                                                                       |
| 0.35                                | 12200                | 4079  | 150000                             | 2.9                   |                                                                                      |  |  |  |         |                                                                                       |
| 0.19                                | 23500                | 7734  | 108900                             | 0.85                  |                                                                                      |  |  |  |         |                                                                                       |
| 0.21                                | 20900                | 6881  | 110600                             | 0.95                  |                                                                                      |  |  |  |         |                                                                                       |
| 0.24                                | 18000                | 5931  | 112200                             | 1.10                  |                                                                                      |  |  |  |         |                                                                                       |
| 0.36                                | 12100                | 3979  | 114600                             | 1.65                  |                                                                                      |  |  |  |         |                                                                                       |
| 0.47                                | 9270                 | 3051  | 115500                             | 2.2                   |                                                                                      |  |  |  |         |                                                                                       |
| 0.32                                | 14000                | 4423  | 77800                              | 0.90                  |                                                                                      |  |  |  |         |                                                                                       |
| 0.37                                | 12300                | 3889  | 79500                              | 1.05                  |                                                                                      |  |  |  |         |                                                                                       |
| 0.43                                | 10400                | 3311  | 80500                              | 1.25                  |                                                                                      |  |  |  |         |                                                                                       |
| 0.48                                | 9430                 | 3009  | 80900                              | 1.40                  |                                                                                      |  |  |  |         |                                                                                       |
| 0.55                                | 8090                 | 2607  | 81400                              | 1.60                  |                                                                                      |  |  |  |         |                                                                                       |
| 0.74                                | 6250                 | 1926  | 82000                              | 2.1                   |                                                                                      |  |  |  |         |                                                                                       |
| 0.82                                | 5700                 | 1757  | 82100                              | 2.3                   |                                                                                      |  |  |  |         |                                                                                       |
| 0.93                                | 4970                 | 1541  | 82300                              | 2.6                   |                                                                                      |  |  |  |         |                                                                                       |
| 1.1                                 | 4350                 | 1342  | 82400                              | 3.0                   |                                                                                      |  |  |  |         |                                                                                       |
| 1.2                                 | 3790                 | 1177  | 82500                              | 3.4                   |                                                                                      |  |  |  |         |                                                                                       |
| 1.4                                 | 3320                 | 1025  | 82600                              | 3.9                   |                                                                                      |  |  |  |         |                                                                                       |

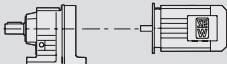
| <b>P<sub>m</sub> = 0.55 kW</b>                  |                                   |          |                                                |                                    |                                                                                    |               |            |              |                       |                                                                                     |
|-------------------------------------------------|-----------------------------------|----------|------------------------------------------------|------------------------------------|------------------------------------------------------------------------------------|---------------|------------|--------------|-----------------------|-------------------------------------------------------------------------------------|
| <b>n<sub>a</sub></b><br><b>min<sup>-1</sup></b> | <b>M<sub>a</sub></b><br><b>Nm</b> | <b>i</b> | <b>F<sub>Ra</sub><sup>1)</sup></b><br><b>N</b> | <b>SEW</b><br><b>f<sub>B</sub></b> |  |               |            |              | <b>m</b><br><b>kg</b> |  |
| <b>0.48</b>                                     | 9550                              | 2977     | 65000                                          | 0.85                               | <b>K</b>                                                                           | <b>107R77</b> | <b>DRN</b> | <b>80MK4</b> | 315                   | 713                                                                                 |
| <b>0.55</b>                                     | 8330                              | 2599     | 65000                                          | 0.95                               | <b>KF</b>                                                                          | <b>107R77</b> | <b>DRN</b> | <b>80MK4</b> | 325                   | 713                                                                                 |
| <b>0.63</b>                                     | 7280                              | 2286     | 65000                                          | 1.10                               | <b>KA</b>                                                                          | <b>107R77</b> | <b>DRN</b> | <b>80MK4</b> | 285                   | 713                                                                                 |
| <b>0.74</b>                                     | 6170                              | 1939     | 65000                                          | 1.30                               | <b>KAF</b>                                                                         | <b>107R77</b> | <b>DRN</b> | <b>80MK4</b> | 310                   | 713                                                                                 |
| <b>0.84</b>                                     | 5590                              | 1713     | 65000                                          | 1.45                               | <b>K</b><br><b>KF</b><br><b>KA</b><br><b>KAF</b>                                   | <b>107R77</b> | <b>DRN</b> | <b>80MK4</b> | 315                   | 713                                                                                 |
| <b>0.92</b>                                     | 5070                              | 1554     | 65000                                          | 1.60                               |                                                                                    |               |            |              |                       |                                                                                     |
| <b>1.1</b>                                      | 4360                              | 1336     | 65000                                          | 1.85                               |                                                                                    |               |            |              |                       |                                                                                     |
| <b>1.2</b>                                      | 3800                              | 1166     | 65000                                          | 2.1                                |                                                                                    |               |            |              |                       |                                                                                     |
| <b>1.4</b>                                      | 3260                              | 1030     | 65000                                          | 2.5                                |                                                                                    |               |            |              |                       |                                                                                     |
| <b>1.6</b>                                      | 2840                              | 904      | 65000                                          | 2.8                                |                                                                                    |               |            |              |                       |                                                                                     |
| <b>1.8</b>                                      | 2570                              | 793      | 65000                                          | 3.1                                |                                                                                    |               |            |              |                       |                                                                                     |
| <b>2.1</b>                                      | 2240                              | 696      | 65000                                          | 3.6                                | <b>K</b><br><b>KF</b><br><b>KA</b><br><b>KAF</b>                                   | <b>97R57</b>  | <b>DRN</b> | <b>80MK4</b> | 185                   | 713                                                                                 |
| <b>2.3</b>                                      | 1930                              | 615      | 65000                                          | 4.1                                |                                                                                    |               |            |              |                       |                                                                                     |
| <b>1.0</b>                                      | 4670                              | 1430     | 40000                                          | 0.90                               |                                                                                    |               |            |              |                       |                                                                                     |
| <b>1.1</b>                                      | 4190                              | 1261     | 40000                                          | 1.00                               |                                                                                    |               |            |              |                       |                                                                                     |
| <b>1.3</b>                                      | 3660                              | 1102     | 40000                                          | 1.15                               |                                                                                    |               |            |              |                       |                                                                                     |
| <b>1.5</b>                                      | 3210                              | 957      | 40000                                          | 1.35                               |                                                                                    |               |            |              |                       |                                                                                     |
| <b>1.7</b>                                      | 2870                              | 855      | 40000                                          | 1.50                               |                                                                                    |               |            |              |                       |                                                                                     |
| <b>1.9</b>                                      | 2400                              | 743      | 40000                                          | 1.80                               |                                                                                    |               |            |              |                       |                                                                                     |
| <b>2.2</b>                                      | 2120                              | 652      | 40000                                          | 2.0                                |                                                                                    |               |            |              |                       |                                                                                     |
| <b>2.5</b>                                      | 1900                              | 573      | 40000                                          | 2.2                                |                                                                                    |               |            |              |                       |                                                                                     |
| <b>2.9</b>                                      | 1620                              | 504      | 40000                                          | 2.6                                |                                                                                    |               |            |              |                       |                                                                                     |
| <b>3.3</b>                                      | 1390                              | 437      | 40000                                          | 3.1                                | <b>K</b><br><b>KF</b><br><b>KA</b><br><b>KAF</b>                                   | <b>87R57</b>  | <b>DRN</b> | <b>80MK4</b> | 125                   | 713                                                                                 |
| <b>3.8</b>                                      | 1240                              | 382      | 40000                                          | 3.4                                |                                                                                    |               |            |              |                       |                                                                                     |
| <b>4.7</b>                                      | 1000                              | 305      | 40000                                          | 4.3                                |                                                                                    |               |            |              |                       |                                                                                     |
| <b>1.5</b>                                      | 3120                              | 951      | 26700                                          | 0.85                               |                                                                                    |               |            |              |                       |                                                                                     |
| <b>1.7</b>                                      | 2730                              | 837      | 27200                                          | 1.00                               |                                                                                    |               |            |              |                       |                                                                                     |
| <b>2.0</b>                                      | 2370                              | 726      | 27700                                          | 1.15                               |                                                                                    |               |            |              |                       |                                                                                     |
| <b>2.2</b>                                      | 2090                              | 638      | 28000                                          | 1.30                               |                                                                                    |               |            |              |                       |                                                                                     |
| <b>2.5</b>                                      | 1830                              | 562      | 28200                                          | 1.45                               |                                                                                    |               |            |              |                       |                                                                                     |
| <b>3.0</b>                                      | 1540                              | 474      | 28400                                          | 1.75                               |                                                                                    |               |            |              |                       |                                                                                     |
| <b>3.4</b>                                      | 1380                              | 426      | 28500                                          | 1.95                               |                                                                                    |               |            |              |                       |                                                                                     |
| <b>3.9</b>                                      | 1210                              | 373      | 28700                                          | 2.2                                | <b>K</b><br><b>KF</b><br><b>KA</b><br><b>KAF</b>                                   | <b>77R37</b>  | <b>DRN</b> | <b>80MK4</b> | 74                    | 713                                                                                 |
| <b>4.3</b>                                      | 1060                              | 330      | 28700                                          | 2.5                                |                                                                                    |               |            |              |                       |                                                                                     |
| <b>4.9</b>                                      | 940                               | 294      | 28800                                          | 2.8                                |                                                                                    |               |            |              |                       |                                                                                     |
| <b>5.7</b>                                      | 820                               | 250      | 28900                                          | 3.3                                |                                                                                    |               |            |              |                       |                                                                                     |
| <b>6.1</b>                                      | 775                               | 236      | 28900                                          | 3.5                                |                                                                                    |               |            |              |                       |                                                                                     |
| <b>7.1</b>                                      | 655                               | 201      | 28900                                          | 4.1                                |                                                                                    |               |            |              |                       |                                                                                     |
| <b>3.0</b>                                      | 1590                              | 485      | 15100                                          | 0.95                               |                                                                                    |               |            |              |                       |                                                                                     |
| <b>3.4</b>                                      | 1400                              | 428      | 16300                                          | 1.10                               |                                                                                    |               |            |              |                       |                                                                                     |
| <b>3.9</b>                                      | 1210                              | 367      | 17400                                          | 1.25                               |                                                                                    |               |            |              |                       |                                                                                     |
| <b>4.4</b>                                      | 1080                              | 328      | 18000                                          | 1.45                               |                                                                                    |               |            |              |                       |                                                                                     |
| <b>5.0</b>                                      | 960                               | 290      | 18400                                          | 1.60                               |                                                                                    |               |            |              |                       |                                                                                     |
| <b>5.7</b>                                      | 830                               | 252      | 18900                                          | 1.85                               | <b>K</b><br><b>KF</b><br><b>KA</b><br><b>KAF</b>                                   | <b>67R37</b>  | <b>DRN</b> | <b>80MK4</b> | 50                    | 713                                                                                 |
| <b>6.5</b>                                      | 725                               | 221      | 19200                                          | 2.1                                |                                                                                    |               |            |              |                       |                                                                                     |
| <b>7.3</b>                                      | 640                               | 195      | 19400                                          | 2.4                                |                                                                                    |               |            |              |                       |                                                                                     |
| <b>8.2</b>                                      | 570                               | 175      | 19600                                          | 2.7                                |                                                                                    |               |            |              |                       |                                                                                     |
| <b>9.3</b>                                      | 500                               | 154      | 19700                                          | 3.1                                |                                                                                    |               |            |              |                       |                                                                                     |
| <b>5.1</b>                                      | 910                               | 279      | 9330                                           | 0.90                               |                                                                                    |               |            |              |                       |                                                                                     |
| <b>5.8</b>                                      | 800                               | 246      | 10400                                          | 1.00                               |                                                                                    |               |            |              |                       |                                                                                     |
| <b>6.6</b>                                      | 715                               | 217      | 11100                                          | 1.15                               |                                                                                    |               |            |              |                       |                                                                                     |
| <b>7.5</b>                                      | 630                               | 191      | 11700                                          | 1.30                               |                                                                                    |               |            |              |                       |                                                                                     |
| <b>8.6</b>                                      | 540                               | 166      | 12200                                          | 1.50                               |                                                                                    |               |            |              |                       |                                                                                     |
| <b>10.0</b>                                     | 475                               | 144      | 12500                                          | 1.70                               | <b>K</b><br><b>KF</b><br><b>KA</b><br><b>KAF</b>                                   | <b>57R37</b>  | <b>DRN</b> | <b>80MK4</b> | 44                    | 713                                                                                 |
| <b>12</b>                                       | 405                               | 122      | 12800                                          | 2.0                                |                                                                                    |               |            |              |                       |                                                                                     |
| <b>7.5</b>                                      | 630                               | 192      | 7360                                           | 0.95                               |                                                                                    |               |            |              |                       |                                                                                     |
| <b>8.6</b>                                      | 545                               | 166      | 8050                                           | 1.10                               |                                                                                    |               |            |              |                       |                                                                                     |
| <b>9.9</b>                                      | 480                               | 145      | 8510                                           | 1.25                               |                                                                                    |               |            |              |                       |                                                                                     |
| <b>11</b>                                       | 430                               | 129      | 8740                                           | 1.40                               | <b>K</b><br><b>KF</b><br><b>KA</b><br><b>KAF</b>                                   | <b>49R37</b>  | <b>DRN</b> | <b>80MK4</b> | 48                    | 713                                                                                 |
| <b>13</b>                                       | 365                               | 111      | 9020                                           | 1.65                               |                                                                                    |               |            |              |                       |                                                                                     |
| <b>15</b>                                       | 320                               | 97       | 9200                                           | 1.85                               |                                                                                    |               |            |              |                       |                                                                                     |
| <b>8.2</b>                                      | 565                               | 176      | 9000                                           | 0.90                               |                                                                                    |               |            |              |                       |                                                                                     |
| <b>9.5</b>                                      | 480                               | 152      | 9000                                           | 1.05                               |                                                                                    |               |            |              |                       |                                                                                     |
| <b>11</b>                                       | 400                               | 125      | 9000                                           | 1.25                               | <b>K</b><br><b>KF</b><br><b>KA</b><br><b>KAF</b>                                   | <b>49R37</b>  | <b>DRN</b> | <b>80MK4</b> | 48                    | 713                                                                                 |
| <b>15</b>                                       | 310                               | 99       | 9000                                           | 1.60                               |                                                                                    |               |            |              |                       |                                                                                     |

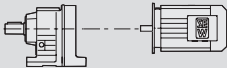
| <b>P<sub>m</sub> = 0.55 kW</b>                  |                                   |          |                                                |                                    |                                                                                    |    |     |       |                       |                                                                                     |
|-------------------------------------------------|-----------------------------------|----------|------------------------------------------------|------------------------------------|------------------------------------------------------------------------------------|----|-----|-------|-----------------------|-------------------------------------------------------------------------------------|
| <b>n<sub>a</sub></b><br><b>min<sup>-1</sup></b> | <b>M<sub>a</sub></b><br><b>Nm</b> | <b>i</b> | <b>F<sub>Ra</sub><sup>1)</sup></b><br><b>N</b> | <b>SEW</b><br><b>f<sub>B</sub></b> |  |    |     |       | <b>m</b><br><b>kg</b> |  |
| 4.9                                             | 1070                              | 197.37   | 28700                                          | 2.5                                | K                                                                                  | 87 | DRN | 90SR6 | 110                   | 674                                                                                 |
| 5.5                                             | 940                               | 174.19   | 28800                                          | 2.9                                | KF                                                                                 | 87 | DRN | 90SR6 | 120                   | 675                                                                                 |
| 5.9                                             | 890                               | 164.34*  | 28800                                          | 3.0                                | KA                                                                                 | 87 | DRN | 90SR6 | 97                    | 677                                                                                 |
| 6.6                                             | 800                               | 147.32*  | 28900                                          | 3.4                                | KAF                                                                                | 87 | DRN | 90SR6 | 110                   | 675                                                                                 |
| 6.3                                             | 830                               | 154.02   | 18900                                          | 1.85                               | K                                                                                  | 77 | DRN | 90SR6 | 73                    | 667                                                                                 |
| 7.1                                             | 735                               | 135.28   | 19200                                          | 2.1                                | KF                                                                                 | 77 | DRN | 90SR6 | 82                    | 668                                                                                 |
| 7.5                                             | 695                               | 128.52   | 19300                                          | 2.2                                | KA                                                                                 | 77 | DRN | 90SR6 | 66                    | 670                                                                                 |
| 8.5                                             | 615                               | 113.56   | 19500                                          | 2.5                                | KAF                                                                                | 77 | DRN | 90SR6 | 74                    | 668                                                                                 |
| 9.3                                             | 560                               | 154.02   | 19600                                          | 2.8                                | K                                                                                  | 77 | DRN | 80MK4 | 65                    | 667                                                                                 |
| 11                                              | 495                               | 135.28   | 19700                                          | 3.1                                | KF                                                                                 | 77 | DRN | 80MK4 | 73                    | 668                                                                                 |
| 11                                              | 470                               | 128.52   | 19700                                          | 3.3                                | KA                                                                                 | 77 | DRN | 80MK4 | 58                    | 670                                                                                 |
| 13                                              | 415                               | 113.56   | 19800                                          | 3.7                                | KAF                                                                                | 77 | DRN | 80MK4 | 65                    | 668                                                                                 |
| 15                                              | 355                               | 97.05    | 19900                                          | 4.4                                |                                                                                    |    |     |       |                       |                                                                                     |
| 7.8                                             | 670                               | 123.54   | 11500                                          | 1.20                               | K                                                                                  | 67 | DRN | 90SR6 | 47                    | 660                                                                                 |
| 8.9                                             | 585                               | 108.03   | 12000                                          | 1.40                               | KF                                                                                 | 67 | DRN | 90SR6 | 53                    | 661                                                                                 |
| 9.4                                             | 555                               | 102.62   | 12100                                          | 1.45                               | KA                                                                                 | 67 | DRN | 90SR6 | 44                    | 663                                                                                 |
| 11                                              | 485                               | 90.04    | 12500                                          | 1.70                               | KAF                                                                                | 67 | DRN | 90SR6 | 50                    | 661                                                                                 |
| 13                                              | 415                               | 76.37    | 12800                                          | 1.95                               | K                                                                                  | 67 | DRN | 90SR6 | 47                    | 660                                                                                 |
|                                                 |                                   |          |                                                |                                    | KF                                                                                 | 67 | DRN | 90SR6 | 53                    | 661                                                                                 |
|                                                 |                                   |          |                                                |                                    | KA                                                                                 | 67 | DRN | 90SR6 | 44                    | 663                                                                                 |
|                                                 |                                   |          |                                                |                                    | KAF                                                                                | 67 | DRN | 90SR6 | 50                    | 661                                                                                 |
| 12                                              | 450                               | 123.54   | 12600                                          | 1.80                               | K                                                                                  | 67 | DRN | 80MK4 | 39                    | 660                                                                                 |
| 13                                              | 395                               | 108.03   | 12800                                          | 2.1                                | KF                                                                                 | 67 | DRN | 80MK4 | 45                    | 661                                                                                 |
| 16                                              | 325                               | 90.04    | 13000                                          | 2.5                                | KA                                                                                 | 67 | DRN | 80MK4 | 36                    | 663                                                                                 |
| 19                                              | 275                               | 76.37    | 13000                                          | 2.9                                | KAF                                                                                | 67 | DRN | 80MK4 | 42                    | 661                                                                                 |
| 8.9                                             | 585                               | 108.29   | 7720                                           | 1.00                               |                                                                                    |    |     |       |                       |                                                                                     |
| 9.4                                             | 555                               | 102.88*  | 7960                                           | 1.05                               |                                                                                    |    |     |       |                       |                                                                                     |
| 11                                              | 490                               | 90.26*   | 8460                                           | 1.20                               | K                                                                                  | 57 | DRN | 90SR6 | 41                    | 654                                                                                 |
| 13                                              | 415                               | 76.56*   | 8810                                           | 1.45                               | KF                                                                                 | 57 | DRN | 90SR6 | 46                    | 655                                                                                 |
| 14                                              | 375                               | 69.12    | 8980                                           | 1.60                               | KA                                                                                 | 57 | DRN | 90SR6 | 39                    | 656                                                                                 |
| 16                                              | 330                               | 60.81*   | 9170                                           | 1.80                               | KAF                                                                                | 57 | DRN | 90SR6 | 45                    | 655                                                                                 |
| 17                                              | 310                               | 57.42*   | 9240                                           | 1.90                               |                                                                                    |    |     |       |                       |                                                                                     |
| 12                                              | 450                               | 123.85   | 8640                                           | 1.30                               |                                                                                    |    |     |       |                       |                                                                                     |
| 13                                              | 395                               | 108.29   | 8900                                           | 1.50                               |                                                                                    |    |     |       |                       |                                                                                     |
| 14                                              | 375                               | 102.88*  | 8980                                           | 1.60                               | K                                                                                  | 57 | DRN | 80MK4 | 33                    | 654                                                                                 |
| 16                                              | 330                               | 90.26*   | 9170                                           | 1.80                               | KF                                                                                 | 57 | DRN | 80MK4 | 38                    | 655                                                                                 |
| 19                                              | 280                               | 76.56*   | 9360                                           | 2.1                                | KA                                                                                 | 57 | DRN | 80MK4 | 31                    | 656                                                                                 |
| 21                                              | 250                               | 69.12    | 9460                                           | 2.4                                | KAF                                                                                | 57 | DRN | 80MK4 | 37                    | 655                                                                                 |
| 24                                              | 220                               | 60.81*   | 9560                                           | 2.7                                |                                                                                    |    |     |       |                       |                                                                                     |
| 25                                              | 210                               | 57.42*   | 9600                                           | 2.9                                |                                                                                    |    |     |       |                       |                                                                                     |
| 19                                              | 275                               | 75.20    | 9000                                           | 1.75                               |                                                                                    |    |     |       |                       |                                                                                     |
| 20                                              | 255                               | 70.19    | 9000                                           | 1.75                               | K                                                                                  | 49 | DRN | 80MK4 | 40                    | 650                                                                                 |
| 24                                              | 220                               | 60.27    | 9000                                           | 2.3                                | KF                                                                                 | 49 | DRN | 80MK4 | 41                    | 651                                                                                 |
| 27                                              | 194                               | 52.94    | 9000                                           | 2.6                                | KA                                                                                 | 49 | DRN | 80MK4 | 37                    | 652                                                                                 |
| 29                                              | 184                               | 50.29    | 9000                                           | 2.7                                | KAF                                                                                | 49 | DRN | 80MK4 | 42                    | 651                                                                                 |
| 32                                              | 163                               | 44.44    | 9000                                           | 3.1                                |                                                                                    |    |     |       |                       |                                                                                     |
| 38                                              | 139                               | 37.98    | 9000                                           | 3.6                                |                                                                                    |    |     |       |                       |                                                                                     |
| 14                                              | 380                               | 104.37   | 6170                                           | 1.05                               | K                                                                                  | 47 | DRN | 80MK4 | 27                    | 644                                                                                 |
| 16                                              | 330                               | 90.86    | 6750                                           | 1.20                               | KF                                                                                 | 47 | DRN | 80MK4 | 31                    | 645                                                                                 |
| 17                                              | 310                               | 85.12*   | 6950                                           | 1.30                               | KA                                                                                 | 47 | DRN | 80MK4 | 27                    | 646                                                                                 |
| 19                                              | 275                               | 75.20*   | 7270                                           | 1.45                               | KAF                                                                                | 47 | DRN | 80MK4 | 29                    | 645                                                                                 |
| 21                                              | 255                               | 69.84    | 7420                                           | 1.55                               |                                                                                    |    |     |       |                       |                                                                                     |
| 23                                              | 230                               | 63.30*   | 7580                                           | 1.75                               | K                                                                                  | 47 | DRN | 80MK4 | 27                    | 644                                                                                 |
| 25                                              | 205                               | 56.83    | 7730                                           | 1.90                               | KF                                                                                 | 47 | DRN | 80MK4 | 31                    | 645                                                                                 |
| 29                                              | 179                               | 48.95*   | 7880                                           | 2.2                                | KA                                                                                 | 47 | DRN | 80MK4 | 27                    | 646                                                                                 |
| 31                                              | 168                               | 46.03*   | 7930                                           | 2.4                                | KAF                                                                                | 47 | DRN | 80MK4 | 29                    | 645                                                                                 |
| 25                                              | 210                               | 58.24    | 7500                                           | 1.40                               |                                                                                    |    |     |       |                       |                                                                                     |
| 29                                              | 182                               | 49.69    | 7500                                           | 1.65                               |                                                                                    |    |     |       |                       |                                                                                     |
| 33                                              | 159                               | 43.45    | 7500                                           | 1.90                               | K                                                                                  | 39 | DRN | 80MK4 | 26                    | 640                                                                                 |
| 35                                              | 151                               | 41.28    | 7500                                           | 2.0                                | KF                                                                                 | 39 | DRN | 80MK4 | 28                    | 641                                                                                 |
| 40                                              | 133                               | 36.22    | 7500                                           | 2.3                                | KA                                                                                 | 39 | DRN | 80MK4 | 25                    | 642                                                                                 |
| 47                                              | 112                               | 30.72    | 7500                                           | 2.7                                | KAF                                                                                | 39 | DRN | 80MK4 | 27                    | 641                                                                                 |
| 52                                              | 102                               | 27.73    | 7310                                           | 3.0                                |                                                                                    |    |     |       |                       |                                                                                     |
| 59                                              | 89                                | 24.40    | 7070                                           | 3.4                                |                                                                                    |    |     |       |                       |                                                                                     |
| 62                                              | 84                                | 23.04    | 6970                                           | 3.6                                |                                                                                    |    |     |       |                       |                                                                                     |

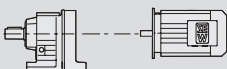
| P <sub>m</sub> = 0.55 kW            |                      |       |                                    |                       |                                                                                    |    |     |       |         |                                                                                     |                      |    |     |       |    |     |
|-------------------------------------|----------------------|-------|------------------------------------|-----------------------|------------------------------------------------------------------------------------|----|-----|-------|---------|-------------------------------------------------------------------------------------|----------------------|----|-----|-------|----|-----|
| n <sub>a</sub><br>min <sup>-1</sup> | M <sub>a</sub><br>Nm | i     | F <sub>Ra</sub> <sup>1)</sup><br>N | SEW<br>f <sub>B</sub> |  |    |     |       | m<br>kg |  |                      |    |     |       |    |     |
| 24                                  | 210                  | 58.60 | 4830                               | 0.95                  | K<br>KF<br>KA<br>KAF                                                               | 37 | DRN | 80MK4 | 21      | 634                                                                                 |                      |    |     |       |    |     |
| 29                                  | 182                  | 49.79 | 4760                               | 1.10                  |                                                                                    |    |     |       |         |                                                                                     |                      |    |     |       |    |     |
| 32                                  | 163                  | 44.46 | 4700                               | 1.25                  |                                                                                    |    |     |       |         |                                                                                     |                      |    |     |       |    |     |
| 38                                  | 139                  | 37.97 | 4600                               | 1.45                  |                                                                                    |    |     |       |         |                                                                                     |                      |    |     |       |    |     |
| 40                                  | 130                  | 35.57 | 4560                               | 1.55                  |                                                                                    |    |     |       |         |                                                                                     |                      |    |     |       |    |     |
| 48                                  | 110                  | 29.96 | 4420                               | 1.80                  |                                                                                    |    |     |       |         |                                                                                     |                      |    |     |       |    |     |
| 50                                  | 106                  | 28.83 | 4390                               | 1.90                  |                                                                                    |    |     |       |         |                                                                                     |                      |    |     |       |    |     |
| 57                                  | 91                   | 24.99 | 4270                               | 2.2                   |                                                                                    |    |     |       |         |                                                                                     |                      |    |     |       |    |     |
| 61                                  | 85                   | 23.36 | 4210                               | 2.3                   |                                                                                    |    |     |       |         |                                                                                     |                      |    |     |       |    |     |
| 71                                  | 74                   | 20.19 | 4080                               | 2.5                   |                                                                                    |    |     |       |         |                                                                                     |                      |    |     |       |    |     |
| 84                                  | 63                   | 17.15 | 3930                               | 2.9                   |                                                                                    |    |     |       |         |                                                                                     |                      |    |     |       |    |     |
| 94                                  | 56                   | 15.31 | 3830                               | 3.1                   |                                                                                    |    |     |       |         |                                                                                     |                      |    |     |       |    |     |
| 110                                 | 48                   | 13.08 | 3680                               | 3.5                   |                                                                                    |    |     |       |         |                                                                                     |                      |    |     |       |    |     |
| 118                                 | 44                   | 12.14 | 3610                               | 3.6                   |                                                                                    |    |     |       |         |                                                                                     |                      |    |     |       |    |     |
| 137                                 | 38                   | 10.49 | 3470                               | 4.2                   |                                                                                    |    |     |       |         |                                                                                     |                      |    |     |       |    |     |
| 39                                  | 135                  | 36.96 | 4380                               | 0.90                  | K<br>KF<br>KA<br>KAF                                                               | 29 | DRN | 80MK4 | 15      | 627                                                                                 |                      |    |     |       |    |     |
| 48                                  | 110                  | 30.11 | 4250                               | 1.05                  |                                                                                    |    |     |       |         |                                                                                     |                      |    |     |       |    |     |
| 48                                  | 109                  | 29.69 | 4360                               | 1.20                  |                                                                                    |    |     |       |         |                                                                                     |                      |    |     |       |    |     |
| 53                                  | 100                  | 27.23 | 4290                               | 1.30                  |                                                                                    |    |     |       |         |                                                                                     |                      |    |     |       |    |     |
| 58                                  | 91                   | 24.91 | 4120                               | 1.20                  |                                                                                    |    |     |       |         |                                                                                     |                      |    |     |       |    |     |
| 62                                  | 85                   | 23.19 | 4150                               | 1.55                  |                                                                                    |    |     |       |         |                                                                                     |                      |    |     |       |    |     |
| 65                                  | 81                   | 22.08 | 4020                               | 1.30                  |                                                                                    |    |     |       |         |                                                                                     |                      |    |     |       |    |     |
| 72                                  | 73                   | 19.99 | 4020                               | 1.80                  |                                                                                    |    |     |       |         |                                                                                     |                      |    |     |       |    |     |
| 88                                  | 60                   | 16.29 | 3830                               | 2.2                   |                                                                                    |    |     |       |         |                                                                                     |                      |    |     |       |    |     |
| 107                                 | 49                   | 13.47 | 3650                               | 2.6                   |                                                                                    |    |     |       |         |                                                                                     |                      |    |     |       |    |     |
| 120                                 | 44                   | 11.94 | 3540                               | 3.0                   |                                                                                    |    |     |       |         |                                                                                     |                      |    |     |       |    |     |
| 145                                 | 36                   | 9.90  | 3460                               | 3.0                   |                                                                                    |    |     |       |         |                                                                                     |                      |    |     |       |    |     |
| 168                                 | 31                   | 8.53  | 3310                               | 3.9                   |                                                                                    |    |     |       |         |                                                                                     |                      |    |     |       |    |     |
| 60                                  | 88                   | 24.06 | 3700                               | 0.90                  |                                                                                    |    |     |       |         |                                                                                     | K<br>KF<br>KA<br>KAF | 19 | DRN | 80MK4 | 14 | 621 |
| 65                                  | 80                   | 21.98 | 3640                               | 1.00                  |                                                                                    |    |     |       |         |                                                                                     |                      |    |     |       |    |     |
| 77                                  | 68                   | 18.55 | 3520                               | 1.20                  |                                                                                    |    |     |       |         |                                                                                     |                      |    |     |       |    |     |
| 91                                  | 58                   | 15.84 | 3410                               | 1.40                  |                                                                                    |    |     |       |         |                                                                                     |                      |    |     |       |    |     |
| 98                                  | 54                   | 14.69 | 3350                               | 1.50                  |                                                                                    |    |     |       |         |                                                                                     |                      |    |     |       |    |     |
| 113                                 | 46                   | 12.70 | 3240                               | 1.70                  |                                                                                    |    |     |       |         |                                                                                     |                      |    |     |       |    |     |
| 121                                 | 43                   | 11.84 | 3190                               | 1.80                  |                                                                                    |    |     |       |         |                                                                                     |                      |    |     |       |    |     |
| 139                                 | 38                   | 10.32 | 3080                               | 2.0                   |                                                                                    |    |     |       |         |                                                                                     |                      |    |     |       |    |     |
| 150                                 | 35                   | 9.58  | 3100                               | 1.80                  |                                                                                    |    |     |       |         |                                                                                     |                      |    |     |       |    |     |
| 177                                 | 30                   | 8.09  | 2960                               | 2.7                   |                                                                                    |    |     |       |         |                                                                                     |                      |    |     |       |    |     |
| 208                                 | 25                   | 6.91  | 2830                               | 3.2                   |                                                                                    |    |     |       |         |                                                                                     |                      |    |     |       |    |     |
| 224                                 | 23                   | 6.41  | 2770                               | 3.4                   |                                                                                    |    |     |       |         |                                                                                     |                      |    |     |       |    |     |
| 259                                 | 20                   | 5.54  | 2660                               | 4.0                   |                                                                                    |    |     |       |         |                                                                                     |                      |    |     |       |    |     |
| 278                                 | 19                   | 5.16  | 2600                               | 4.2                   |                                                                                    |    |     |       |         |                                                                                     |                      |    |     |       |    |     |
| 319                                 | 16                   | 4.50  | 2500                               | 4.9                   |                                                                                    |    |     |       |         |                                                                                     |                      |    |     |       |    |     |
| 295                                 | 18                   | 9.58  | 2560                               | 3.5                   | K                                                                                  | 19 | DRN | 71M2  | 11      | 621                                                                                 |                      |    |     |       |    |     |
| 349                                 | 15                   | 8.09  | 2430                               | 5.3                   | KF                                                                                 | 19 | DRN | 71M2  | 12      | 624                                                                                 |                      |    |     |       |    |     |
| 409                                 | 13                   | 6.91  | 2320                               | 6.2                   | KA                                                                                 | 19 | DRN | 71M2  | 11      | 626                                                                                 |                      |    |     |       |    |     |
| 441                                 | 12                   | 6.41  | 2270                               | 6.7                   | KAF                                                                                | 19 | DRN | 71M2  | 11      | 624                                                                                 |                      |    |     |       |    |     |

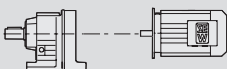
| P <sub>m</sub> = 0.75 kW            |                      |       |                                    |                       |                                                                                      |        |     |      |         |                                                                                       |
|-------------------------------------|----------------------|-------|------------------------------------|-----------------------|--------------------------------------------------------------------------------------|--------|-----|------|---------|---------------------------------------------------------------------------------------|
| n <sub>a</sub><br>min <sup>-1</sup> | M <sub>a</sub><br>Nm | i     | F <sub>Ra</sub> <sup>1)</sup><br>N | SEW<br>f <sub>B</sub> |  |        |     |      | m<br>kg |  |
| 0.10                                | 60600                | 14272 | 190000                             | 0.85                  | K<br>KH                                                                              | 187R97 | DRN | 80M4 | 1770    | 713                                                                                   |
| 0.11                                | 55300                | 13116 | 190000                             | 0.95                  |                                                                                      |        |     |      |         |                                                                                       |
| 0.12                                | 48400                | 11647 | 190000                             | 1.10                  |                                                                                      |        |     |      |         |                                                                                       |
| 0.14                                | 42700                | 10413 | 190000                             | 1.25                  |                                                                                      |        |     |      |         |                                                                                       |
| 0.15                                | 37800                | 9363  | 190000                             | 1.40                  |                                                                                      |        |     |      |         |                                                                                       |
| 0.18                                | 32000                | 8126  | 190000                             | 1.65                  |                                                                                      |        |     |      |         |                                                                                       |
| 0.20                                | 31200                | 7343  | 190000                             | 1.70                  |                                                                                      |        |     |      |         |                                                                                       |
| 0.21                                | 28400                | 6747  | 190000                             | 1.85                  |                                                                                      |        |     |      |         |                                                                                       |
| 0.24                                | 24900                | 5991  | 190000                             | 2.1                   |                                                                                      |        |     |      |         |                                                                                       |

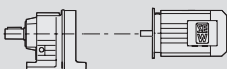
| P <sub>m</sub> = 0.75 kW            |                      |       |                                    |                       |                                                                                    |                                      |                          |                              |         |                                                                                     |
|-------------------------------------|----------------------|-------|------------------------------------|-----------------------|------------------------------------------------------------------------------------|--------------------------------------|--------------------------|------------------------------|---------|-------------------------------------------------------------------------------------|
| n <sub>a</sub><br>min <sup>-1</sup> | M <sub>a</sub><br>Nm | i     | F <sub>Ra</sub> <sup>1)</sup><br>N | SEW<br>f <sub>B</sub> |  |                                      |                          |                              | m<br>kg |  |
| 0.14                                | 43700                | 10264 | 150000                             | 0.80                  | K<br>KH                                                                            | 167R97<br>167R97                     | DRN<br>DRN               | 80M4<br>80M4                 | 1190    | 713                                                                                 |
| 0.17                                | 36600                | 8628  | 150000                             | 0.95                  |                                                                                    |                                      |                          |                              | 1150    | 713                                                                                 |
| 0.22                                | 27900                | 6562  | 150000                             | 1.25                  |                                                                                    |                                      |                          |                              |         |                                                                                     |
| 0.27                                | 22200                | 5355  | 150000                             | 1.55                  |                                                                                    |                                      |                          |                              |         |                                                                                     |
| 0.30                                | 19600                | 4788  | 150000                             | 1.80                  |                                                                                    |                                      |                          |                              |         |                                                                                     |
| 0.35                                | 17200                | 4079  | 150000                             | 2.0                   |                                                                                    |                                      |                          |                              |         |                                                                                     |
| 0.43                                | 14300                | 3376  | 150000                             | 2.4                   |                                                                                    |                                      |                          |                              |         |                                                                                     |
| 0.28                                | 20400                | 5074  | 110800                             | 1.00                  | K                                                                                  | 157R97                               | DRN                      | 80M4                         | 800     | 713                                                                                 |
| 0.32                                | 18200                | 4514  | 112100                             | 1.10                  | KF                                                                                 | 157R97                               | DRN                      | 80M4                         | 870     | 713                                                                                 |
| 0.36                                | 16900                | 3979  | 112700                             | 1.20                  | KA                                                                                 | 157R97                               | DRN                      | 80M4                         | 760     | 713                                                                                 |
| 0.41                                | 14400                | 3516  | 113800                             | 1.40                  | KAF                                                                                | 157R97                               | DRN                      | 80M4                         | 820     | 713                                                                                 |
| 0.47                                | 12900                | 3051  | 114300                             | 1.55                  |                                                                                    |                                      |                          |                              |         |                                                                                     |
| 0.87                                | 7130                 | 1659  | 115900                             | 2.8                   | K                                                                                  | 157R97                               | DRN                      | 80M4                         | 790     | 713                                                                                 |
| 1.1                                 | 5740                 | 1365  | 116200                             | 3.5                   | KF                                                                                 | 157R97                               | DRN                      | 80M4                         | 870     | 713                                                                                 |
|                                     |                      |       |                                    |                       | KA                                                                                 | 157R97                               | DRN                      | 80M4                         | 760     | 713                                                                                 |
|                                     |                      |       |                                    |                       | KAF                                                                                | 157R97                               | DRN                      | 80M4                         | 810     | 713                                                                                 |
| 0.43                                | 14400                | 3311  | 77100                              | 0.90                  | K                                                                                  | 127R77                               | DRN                      | 80M4                         | 480     | 713                                                                                 |
| 0.48                                | 13000                | 3009  | 79100                              | 1.00                  | KF                                                                                 | 127R77                               | DRN                      | 80M4                         | 520     | 713                                                                                 |
| 0.55                                | 11200                | 2607  | 80100                              | 1.15                  | KA                                                                                 | 127R77                               | DRN                      | 80M4                         | 450     | 713                                                                                 |
|                                     |                      |       |                                    |                       | KAF                                                                                | 127R77                               | DRN                      | 80M4                         | 490     | 713                                                                                 |
| 0.75                                | 8610                 | 1926  | 81200                              | 1.50                  | K<br>KF<br>KA<br>KAF                                                               | 127R77<br>127R77<br>127R77<br>127R77 | DRN<br>DRN<br>DRN<br>DRN | 80M4<br>80M4<br>80M4<br>80M4 | 475     | 713                                                                                 |
| 0.82                                | 7860                 | 1757  | 81500                              | 1.65                  |                                                                                    |                                      |                          |                              | 520     | 713                                                                                 |
| 0.93                                | 6860                 | 1541  | 81800                              | 1.90                  |                                                                                    |                                      |                          |                              | 450     | 713                                                                                 |
| 1.1                                 | 6000                 | 1342  | 82100                              | 2.2                   |                                                                                    |                                      |                          |                              | 485     | 713                                                                                 |
| 1.2                                 | 5240                 | 1177  | 82200                              | 2.5                   |                                                                                    |                                      |                          |                              |         |                                                                                     |
| 1.4                                 | 4580                 | 1025  | 82400                              | 2.8                   |                                                                                    |                                      |                          |                              |         |                                                                                     |
| 1.6                                 | 4000                 | 899   | 82500                              | 3.2                   |                                                                                    |                                      |                          |                              |         |                                                                                     |
| 0.84                                | 7690                 | 1713  | 65000                              | 1.05                  | K<br>KF<br>KA<br>KAF                                                               | 107R77<br>107R77<br>107R77<br>107R77 | DRN<br>DRN<br>DRN<br>DRN | 80M4<br>80M4<br>80M4<br>80M4 | 315     | 713                                                                                 |
| 0.93                                | 6980                 | 1554  | 65000                              | 1.15                  |                                                                                    |                                      |                          |                              | 330     | 713                                                                                 |
| 1.1                                 | 5990                 | 1336  | 65000                              | 1.35                  |                                                                                    |                                      |                          |                              | 290     | 713                                                                                 |
| 1.2                                 | 5230                 | 1166  | 65000                              | 1.55                  |                                                                                    |                                      |                          |                              | 315     | 713                                                                                 |
| 1.4                                 | 4530                 | 1030  | 65000                              | 1.75                  |                                                                                    |                                      |                          |                              |         |                                                                                     |
| 1.6                                 | 3940                 | 904   | 65000                              | 2.0                   |                                                                                    |                                      |                          |                              |         |                                                                                     |
| 1.8                                 | 3540                 | 793   | 65000                              | 2.3                   |                                                                                    |                                      |                          |                              |         |                                                                                     |
| 2.1                                 | 3090                 | 696   | 65000                              | 2.6                   |                                                                                    |                                      |                          |                              |         |                                                                                     |
| 2.3                                 | 2680                 | 615   | 65000                              | 3.0                   |                                                                                    |                                      |                          |                              |         |                                                                                     |
| 1.3                                 | 5010                 | 1102  | 39900                              | 0.85                  | K<br>KF<br>KA<br>KAF                                                               | 97R57<br>97R57<br>97R57<br>97R57     | DRN<br>DRN<br>DRN<br>DRN | 80M4<br>80M4<br>80M4<br>80M4 | 185     | 713                                                                                 |
| 1.5                                 | 4400                 | 957   | 40000                              | 1.00                  |                                                                                    |                                      |                          |                              | 205     | 713                                                                                 |
| 1.7                                 | 3930                 | 855   | 40000                              | 1.10                  |                                                                                    |                                      |                          |                              | 170     | 713                                                                                 |
| 1.9                                 | 3310                 | 743   | 40000                              | 1.30                  |                                                                                    |                                      |                          |                              | 195     | 713                                                                                 |
| 2.2                                 | 2920                 | 652   | 40000                              | 1.45                  |                                                                                    |                                      |                          |                              |         |                                                                                     |
| 2.5                                 | 2610                 | 573   | 40000                              | 1.65                  |                                                                                    |                                      |                          |                              |         |                                                                                     |
| 2.9                                 | 2240                 | 504   | 40000                              | 1.90                  |                                                                                    |                                      |                          |                              |         |                                                                                     |
| 3.3                                 | 1930                 | 437   | 40000                              | 2.2                   |                                                                                    |                                      |                          |                              |         |                                                                                     |
| 3.8                                 | 1710                 | 382   | 40000                              | 2.5                   |                                                                                    |                                      |                          |                              |         |                                                                                     |
| 4.7                                 | 1380                 | 305   | 40000                              | 3.1                   |                                                                                    |                                      |                          |                              |         |                                                                                     |
| 5.6                                 | 1160                 | 258   | 40000                              | 3.7                   |                                                                                    |                                      |                          |                              |         |                                                                                     |
| 6.2                                 | 1050                 | 232   | 40000                              | 4.1                   |                                                                                    |                                      |                          |                              |         |                                                                                     |
| 7.2                                 | 890                  | 199   | 40000                              | 4.8                   |                                                                                    |                                      |                          |                              |         |                                                                                     |
| 2.0                                 | 3260                 | 726   | 26500                              | 0.85                  | K<br>KF<br>KA<br>KAF                                                               | 87R57<br>87R57<br>87R57<br>87R57     | DRN<br>DRN<br>DRN<br>DRN | 80M4<br>80M4<br>80M4<br>80M4 | 125     | 713                                                                                 |
| 2.3                                 | 2870                 | 638   | 27100                              | 0.95                  |                                                                                    |                                      |                          |                              | 135     | 713                                                                                 |
| 2.6                                 | 2520                 | 562   | 27500                              | 1.05                  |                                                                                    |                                      |                          |                              | 115     | 713                                                                                 |
| 3.0                                 | 2120                 | 474   | 27900                              | 1.25                  |                                                                                    |                                      |                          |                              | 125     | 713                                                                                 |
| 3.4                                 | 1910                 | 426   | 28100                              | 1.40                  |                                                                                    |                                      |                          |                              |         |                                                                                     |
| 3.9                                 | 1680                 | 373   | 28300                              | 1.60                  |                                                                                    |                                      |                          |                              |         |                                                                                     |
| 4.4                                 | 1460                 | 330   | 28500                              | 1.85                  |                                                                                    |                                      |                          |                              |         |                                                                                     |
| 4.9                                 | 1310                 | 294   | 28600                              | 2.1                   |                                                                                    |                                      |                          |                              |         |                                                                                     |
| 5.8                                 | 1130                 | 250   | 28700                              | 2.4                   |                                                                                    |                                      |                          |                              |         |                                                                                     |
| 6.1                                 | 1070                 | 236   | 28700                              | 2.5                   |                                                                                    |                                      |                          |                              |         |                                                                                     |
| 7.2                                 | 900                  | 201   | 28800                              | 3.0                   |                                                                                    |                                      |                          |                              |         |                                                                                     |
| 3.9                                 | 1660                 | 367   | 14500                              | 0.95                  | K                                                                                  | 77R37                                | DRN                      | 80M4                         | 78      | 713                                                                                 |
| 4.4                                 | 1480                 | 328   | 15800                              | 1.05                  | KF                                                                                 | 77R37                                | DRN                      | 80M4                         | 86      | 713                                                                                 |
| 5.0                                 | 1310                 | 290   | 16800                              | 1.20                  | KA                                                                                 | 77R37                                | DRN                      | 80M4                         | 70      | 713                                                                                 |
| 5.7                                 | 1130                 | 252   | 17700                              | 1.35                  | KAF                                                                                | 77R37                                | DRN                      | 80M4                         | 78      | 713                                                                                 |
| 6.5                                 | 1000                 | 221   | 18300                              | 1.55                  |                                                                                    |                                      |                          |                              |         |                                                                                     |

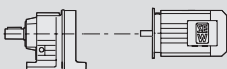
| P <sub>m</sub> = 0.75 kW            |                      |         |                                    |                       |                                                                                    |       |     |      |         |                                                                                     |
|-------------------------------------|----------------------|---------|------------------------------------|-----------------------|------------------------------------------------------------------------------------|-------|-----|------|---------|-------------------------------------------------------------------------------------|
| n <sub>a</sub><br>min <sup>-1</sup> | M <sub>a</sub><br>Nm | i       | F <sub>Ra</sub> <sup>1)</sup><br>N | SEW<br>f <sub>B</sub> |  |       |     |      | m<br>kg |  |
| 12<br>15                            | 545                  | 125     | 9000                               | 0.90                  | K                                                                                  | 49R37 | DRN | 80M4 | 51      | 713                                                                                 |
|                                     | 430                  | 99      | 9000                               | 1.15                  | KF                                                                                 | 49R37 | DRN | 80M4 | 53      | 713                                                                                 |
|                                     |                      |         |                                    |                       | KA                                                                                 | 49R37 | DRN | 80M4 | 48      | 713                                                                                 |
|                                     |                      |         |                                    |                       | KAF                                                                                | 49R37 | DRN | 80M4 | 53      | 713                                                                                 |
| 19                                  | 330                  | 75      | 7500                               | 0.90                  | K                                                                                  | 39R17 | DRN | 80M4 | 32      | 713                                                                                 |
|                                     |                      |         |                                    |                       | KF                                                                                 | 39R17 | DRN | 80M4 | 34      | 713                                                                                 |
|                                     |                      |         |                                    |                       | KA                                                                                 | 39R17 | DRN | 80M4 | 31      | 713                                                                                 |
|                                     |                      |         |                                    |                       | KAF                                                                                | 39R17 | DRN | 80M4 | 33      | 713                                                                                 |
| 5.5                                 | 1300                 | 174.19  | 28600                              | 2.1                   | K                                                                                  | 87    | DRN | 90S6 | 110     | 674                                                                                 |
| 5.8                                 | 1220                 | 164.34* | 28700                              | 2.2                   | KF                                                                                 | 87    | DRN | 90S6 | 120     | 675                                                                                 |
| 6.5                                 | 1100                 | 147.32* | 28700                              | 2.5                   | KA                                                                                 | 87    | DRN | 90S6 | 97      | 677                                                                                 |
| 7.5                                 | 940                  | 126.91* | 28800                              | 2.8                   | KAF                                                                                | 87    | DRN | 90S6 | 110     | 675                                                                                 |
| 7.3                                 | 980                  | 197.37  | 28800                              | 2.8                   | K                                                                                  | 87    | DRN | 80M4 | 105     | 674                                                                                 |
| 8.3                                 | 860                  | 174.19  | 28800                              | 3.1                   | KF                                                                                 | 87    | DRN | 80M4 | 115     | 675                                                                                 |
| 8.8                                 | 810                  | 164.34* | 28900                              | 3.3                   | KA                                                                                 | 87    | DRN | 80M4 | 92      | 677                                                                                 |
| 9.8                                 | 730                  | 147.32* | 28900                              | 3.7                   | KAF                                                                                | 87    | DRN | 80M4 | 105     | 675                                                                                 |
| 7.1                                 | 1010                 | 135.28  | 18300                              | 1.55                  | K                                                                                  | 77    | DRN | 90S6 | 73      | 667                                                                                 |
| 7.5                                 | 960                  | 128.52  | 18400                              | 1.60                  | KF                                                                                 | 77    | DRN | 90S6 | 82      | 668                                                                                 |
| 8.4                                 | 840                  | 113.56  | 18800                              | 1.80                  | KA                                                                                 | 77    | DRN | 90S6 | 66      | 670                                                                                 |
|                                     |                      |         |                                    |                       | KAF                                                                                | 77    | DRN | 90S6 | 74      | 668                                                                                 |
| 9.9                                 | 725                  | 97.05   | 19200                              | 2.1                   | K                                                                                  | 77    | DRN | 90S6 | 73      | 667                                                                                 |
| 11                                  | 665                  | 88.97   | 19300                              | 2.3                   | KF                                                                                 | 77    | DRN | 90S6 | 82      | 668                                                                                 |
|                                     |                      |         |                                    |                       | KA                                                                                 | 77    | DRN | 90S6 | 66      | 670                                                                                 |
|                                     |                      |         |                                    |                       | KAF                                                                                | 77    | DRN | 90S6 | 74      | 668                                                                                 |
|                                     |                      |         |                                    |                       |                                                                                    |       |     |      |         |                                                                                     |
| 9.3                                 | 765                  | 154.02  | 19100                              | 2.0                   | K                                                                                  | 77    | DRN | 80M4 | 68      | 667                                                                                 |
| 11                                  | 670                  | 135.28  | 19300                              | 2.3                   | KF                                                                                 | 77    | DRN | 80M4 | 77      | 668                                                                                 |
| 11                                  | 635                  | 128.52  | 19400                              | 2.4                   | KA                                                                                 | 77    | DRN | 80M4 | 61      | 670                                                                                 |
| 13                                  | 560                  | 113.56  | 19600                              | 2.7                   | KAF                                                                                | 77    | DRN | 80M4 | 69      | 668                                                                                 |
| 15                                  | 480                  | 97.05   | 19700                              | 3.2                   |                                                                                    |       |     |      |         |                                                                                     |
| 12                                  | 610                  | 123.54  | 11800                              | 1.35                  | K                                                                                  | 67    | DRN | 80M4 | 43      | 660                                                                                 |
| 13                                  | 535                  | 108.03  | 12200                              | 1.55                  | KF                                                                                 | 67    | DRN | 80M4 | 48      | 661                                                                                 |
| 16                                  | 445                  | 90.04   | 12600                              | 1.85                  | KA                                                                                 | 67    | DRN | 80M4 | 40      | 663                                                                                 |
|                                     |                      |         |                                    |                       | KAF                                                                                | 67    | DRN | 80M4 | 46      | 661                                                                                 |
| 19                                  | 375                  | 76.37   | 12900                              | 2.2                   | K                                                                                  | 67    | DRN | 80M4 | 43      | 660                                                                                 |
| 21                                  | 340                  | 68.95   | 13000                              | 2.4                   | KF                                                                                 | 67    | DRN | 80M4 | 48      | 661                                                                                 |
| 24                                  | 300                  | 60.66   | 13000                              | 2.7                   | KA                                                                                 | 67    | DRN | 80M4 | 40      | 663                                                                                 |
| 25                                  | 280                  | 57.28   | 13000                              | 2.9                   | KAF                                                                                | 67    | DRN | 80M4 | 46      | 661                                                                                 |
| 12                                  | 615                  | 123.85  | 7500                               | 0.95                  |                                                                                    |       |     |      |         |                                                                                     |
| 13                                  | 535                  | 108.29  | 8120                               | 1.10                  |                                                                                    |       |     |      |         |                                                                                     |
| 14                                  | 510                  | 102.88* | 8330                               | 1.15                  |                                                                                    |       |     |      |         |                                                                                     |
| 16                                  | 445                  | 90.26*  | 8660                               | 1.35                  | K                                                                                  | 57    | DRN | 80M4 | 37      | 654                                                                                 |
| 19                                  | 380                  | 76.56*  | 8960                               | 1.60                  | KF                                                                                 | 57    | DRN | 80M4 | 41      | 655                                                                                 |
| 21                                  | 340                  | 69.12   | 9120                               | 1.75                  | KA                                                                                 | 57    | DRN | 80M4 | 35      | 656                                                                                 |
| 24                                  | 300                  | 60.81*  | 9280                               | 2.0                   | KAF                                                                                | 57    | DRN | 80M4 | 40      | 655                                                                                 |
| 25                                  | 285                  | 57.42*  | 9340                               | 2.1                   |                                                                                    |       |     |      |         |                                                                                     |
| 29                                  | 240                  | 48.89   | 9490                               | 2.5                   |                                                                                    |       |     |      |         |                                                                                     |
| 32                                  | 220                  | 44.43   | 9560                               | 2.7                   |                                                                                    |       |     |      |         |                                                                                     |
| 24                                  | 295                  | 60.27   | 9000                               | 1.65                  |                                                                                    |       |     |      |         |                                                                                     |
| 27                                  | 260                  | 52.94   | 9000                               | 1.90                  |                                                                                    |       |     |      |         |                                                                                     |
| 29                                  | 250                  | 50.29   | 9000                               | 2.0                   | K                                                                                  | 49    | DRN | 80M4 | 43      | 650                                                                                 |
| 32                                  | 220                  | 44.44   | 9000                               | 2.3                   | KF                                                                                 | 49    | DRN | 80M4 | 45      | 651                                                                                 |
| 38                                  | 189                  | 37.98   | 9000                               | 2.6                   | KA                                                                                 | 49    | DRN | 80M4 | 40      | 652                                                                                 |
| 41                                  | 173                  | 34.81   | 9000                               | 2.9                   | KAF                                                                                | 49    | DRN | 80M4 | 45      | 651                                                                                 |
| 47                                  | 152                  | 30.55   | 8960                               | 3.3                   |                                                                                    |       |     |      |         |                                                                                     |
| 50                                  | 144                  | 28.95   | 8840                               | 3.5                   |                                                                                    |       |     |      |         |                                                                                     |
| 19                                  | 370                  | 75.20*  | 6270                               | 1.05                  | K                                                                                  | 47    | DRN | 80M4 | 31      | 644                                                                                 |
| 21                                  | 345                  | 69.84   | 6590                               | 1.15                  | KF                                                                                 | 47    | DRN | 80M4 | 34      | 645                                                                                 |
| 23                                  | 310                  | 63.30*  | 6920                               | 1.25                  | KA                                                                                 | 47    | DRN | 80M4 | 30      | 646                                                                                 |
|                                     |                      |         |                                    |                       | KAF                                                                                | 47    | DRN | 80M4 | 33      | 645                                                                                 |
| 25                                  | 280                  | 56.83   | 7210                               | 1.40                  |                                                                                    |       |     |      |         |                                                                                     |
| 29                                  | 240                  | 48.95*  | 7500                               | 1.65                  | K                                                                                  | 47    | DRN | 80M4 | 31      | 644                                                                                 |
| 31                                  | 225                  | 46.03*  | 7600                               | 1.75                  | KF                                                                                 | 47    | DRN | 80M4 | 34      | 645                                                                                 |
| 36                                  | 197                  | 39.61   | 7790                               | 2.0                   | KA                                                                                 | 47    | DRN | 80M4 | 30      | 646                                                                                 |
| 41                                  | 176                  | 35.39   | 7690                               | 2.3                   | KAF                                                                                | 47    | DRN | 80M4 | 33      | 645                                                                                 |
| 46                                  | 156                  | 31.30   | 7480                               | 2.6                   |                                                                                    |       |     |      |         |                                                                                     |

| P <sub>m</sub> = 0.75 kW            |                      |       |                                    |                       |                                                                                    |    |     |       |         |                                                                                     |
|-------------------------------------|----------------------|-------|------------------------------------|-----------------------|------------------------------------------------------------------------------------|----|-----|-------|---------|-------------------------------------------------------------------------------------|
| n <sub>a</sub><br>min <sup>-1</sup> | M <sub>a</sub><br>Nm | i     | F <sub>Ra</sub> <sup>1)</sup><br>N | SEW<br>f <sub>B</sub> |  |    |     |       | m<br>kg |  |
| 29                                  | 245                  | 49.69 | 7500                               | 1.20                  | K<br>KF<br>KA<br>KAF                                                               | 39 | DRN | 80M4  | 30      | 640                                                                                 |
| 33                                  | 215                  | 43.45 | 7500                               | 1.40                  |                                                                                    |    |     |       |         |                                                                                     |
| 35                                  | 205                  | 41.28 | 7500                               | 1.45                  |                                                                                    |    |     |       |         |                                                                                     |
| 40                                  | 180                  | 36.22 | 7390                               | 1.65                  |                                                                                    |    |     |       |         |                                                                                     |
| 47                                  | 153                  | 30.72 | 7140                               | 1.95                  |                                                                                    |    |     |       |         |                                                                                     |
| 52                                  | 138                  | 27.73 | 6990                               | 2.2                   |                                                                                    |    |     |       |         |                                                                                     |
| 59                                  | 121                  | 24.40 | 6790                               | 2.5                   |                                                                                    |    |     |       |         |                                                                                     |
| 62                                  | 115                  | 23.04 | 6700                               | 2.6                   |                                                                                    |    |     |       |         |                                                                                     |
| 73                                  | 98                   | 19.62 | 6440                               | 3.0                   |                                                                                    |    |     |       |         |                                                                                     |
| 81                                  | 89                   | 17.83 | 6290                               | 3.3                   |                                                                                    |    |     |       |         |                                                                                     |
| 93                                  | 77                   | 15.44 | 6060                               | 3.6                   |                                                                                    |    |     |       |         |                                                                                     |
| 32                                  | 220                  | 44.46 | 4170                               | 0.90                  | K<br>KF<br>KA<br>KAF                                                               | 37 | DRN | 80M4  | 24      | 634                                                                                 |
| 38                                  | 189                  | 37.97 | 4140                               | 1.05                  |                                                                                    |    |     |       |         |                                                                                     |
| 40                                  | 177                  | 35.57 | 4130                               | 1.15                  |                                                                                    |    |     |       |         |                                                                                     |
| 48                                  | 149                  | 29.96 | 4060                               | 1.35                  |                                                                                    |    |     |       |         |                                                                                     |
| 50                                  | 143                  | 28.83 | 4040                               | 1.40                  |                                                                                    |    |     |       |         |                                                                                     |
| 58                                  | 124                  | 24.99 | 3970                               | 1.60                  |                                                                                    |    |     |       |         |                                                                                     |
| 62                                  | 116                  | 23.36 | 3930                               | 1.70                  |                                                                                    |    |     |       |         |                                                                                     |
| 71                                  | 100                  | 20.19 | 3840                               | 1.85                  |                                                                                    |    |     |       |         |                                                                                     |
| 84                                  | 85                   | 17.15 | 3720                               | 2.1                   |                                                                                    |    |     |       |         |                                                                                     |
| 94                                  | 76                   | 15.31 | 3640                               | 2.3                   |                                                                                    |    |     |       |         |                                                                                     |
| 110                                 | 65                   | 13.08 | 3520                               | 2.5                   |                                                                                    |    |     |       |         |                                                                                     |
| 119                                 | 60                   | 12.14 | 3460                               | 2.6                   |                                                                                    |    |     |       |         |                                                                                     |
| 137                                 | 52                   | 10.49 | 3340                               | 3.1                   |                                                                                    |    |     |       |         |                                                                                     |
| 162                                 | 44                   | 8.91  | 3210                               | 3.6                   |                                                                                    |    |     |       |         |                                                                                     |
| 181                                 | 40                   | 7.96  | 3120                               | 3.9                   |                                                                                    |    |     |       |         |                                                                                     |
| 58                                  | 124                  | 24.91 | 3780                               | 0.90                  | K<br>KF<br>KA<br>KAF                                                               | 29 | DRN | 80M4  | 19      | 627                                                                                 |
| 62                                  | 115                  | 23.19 | 3870                               | 1.15                  |                                                                                    |    |     |       |         |                                                                                     |
| 65                                  | 110                  | 22.08 | 3720                               | 0.95                  |                                                                                    |    |     |       |         |                                                                                     |
| 72                                  | 99                   | 19.99 | 3780                               | 1.30                  |                                                                                    |    |     |       |         |                                                                                     |
| 88                                  | 81                   | 16.29 | 3630                               | 1.60                  |                                                                                    |    |     |       |         |                                                                                     |
| 107                                 | 67                   | 13.47 | 3490                               | 1.95                  |                                                                                    |    |     |       |         |                                                                                     |
| 121                                 | 59                   | 11.94 | 3400                               | 2.2                   |                                                                                    |    |     |       |         |                                                                                     |
| 146                                 | 49                   | 9.90  | 3370                               | 2.2                   |                                                                                    |    |     |       |         |                                                                                     |
| 157                                 | 46                   | 9.17  | 3190                               | 2.9                   |                                                                                    |    |     |       |         |                                                                                     |
| 169                                 | 42                   | 8.53  | 3230                               | 2.9                   |                                                                                    |    |     |       |         |                                                                                     |
| 193                                 | 37                   | 7.48  | 3030                               | 3.3                   |                                                                                    |    |     |       |         |                                                                                     |
| 207                                 | 35                   | 6.95  | 3050                               | 3.2                   |                                                                                    |    |     |       |         |                                                                                     |
| 298                                 | 24                   | 9.58  | 2500                               | 2.6                   | K                                                                                  | 19 | DRN | 80MS2 | 17      | 621                                                                                 |
| 353                                 | 20                   | 8.09  | 2380                               | 3.9                   | KF                                                                                 | 19 | DRN | 80MS2 | 17      | 624                                                                                 |
| 413                                 | 17                   | 6.91  | 2280                               | 4.6                   | KA                                                                                 | 19 | DRN | 80MS2 | 16      | 626                                                                                 |
| 446                                 | 16                   | 6.41  | 2220                               | 5.0                   | KAF                                                                                | 19 | DRN | 80MS2 | 17      | 624                                                                                 |
| 78                                  | 92                   | 18.55 | 3260                               | 0.85                  | K<br>KF<br>KA<br>KAF                                                               | 19 | DRN | 80M4  | 17      | 621                                                                                 |
| 91                                  | 79                   | 15.84 | 3190                               | 1.00                  |                                                                                    |    |     |       |         |                                                                                     |
| 98                                  | 73                   | 14.69 | 3150                               | 1.10                  |                                                                                    |    |     |       |         |                                                                                     |
| 113                                 | 63                   | 12.70 | 3060                               | 1.25                  |                                                                                    |    |     |       |         |                                                                                     |
| 122                                 | 59                   | 11.84 | 3020                               | 1.35                  |                                                                                    |    |     |       |         |                                                                                     |
| 140                                 | 51                   | 10.32 | 2940                               | 1.50                  |                                                                                    |    |     |       |         |                                                                                     |
| 178                                 | 40                   | 8.09  | 2870                               | 2.0                   |                                                                                    |    |     |       |         |                                                                                     |
| 208                                 | 34                   | 6.91  | 2760                               | 2.3                   |                                                                                    |    |     |       |         |                                                                                     |
| 225                                 | 32                   | 6.41  | 2700                               | 2.5                   |                                                                                    |    |     |       |         |                                                                                     |
| 260                                 | 28                   | 5.54  | 2600                               | 2.9                   |                                                                                    |    |     |       |         |                                                                                     |
| 279                                 | 26                   | 5.16  | 2550                               | 3.1                   |                                                                                    |    |     |       |         |                                                                                     |
| 320                                 | 22                   | 4.50  | 2450                               | 3.6                   |                                                                                    |    |     |       |         |                                                                                     |

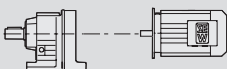
| P <sub>m</sub> = 1.1 kW             |                      |       |                                    |                       |                                                                                    |                                      |                          |                              |                          |                                                                                     |
|-------------------------------------|----------------------|-------|------------------------------------|-----------------------|------------------------------------------------------------------------------------|--------------------------------------|--------------------------|------------------------------|--------------------------|-------------------------------------------------------------------------------------|
| n <sub>a</sub><br>min <sup>-1</sup> | M <sub>a</sub><br>Nm | i     | F <sub>Ra</sub> <sup>1)</sup><br>N | SEW<br>f <sub>B</sub> |  |                                      |                          |                              | m<br>kg                  |  |
| 0.14                                | 64200                | 10413 | 190000                             | 0.80                  | K<br>KH                                                                            | 187R97<br>187R97                     | DRN<br>DRN               | 90S4<br>90S4                 | 1780<br>1710             | 713<br>713                                                                          |
| 0.16                                | 57100                | 9363  | 190000                             | 0.95                  |                                                                                    |                                      |                          |                              |                          |                                                                                     |
| 0.18                                | 48800                | 8126  | 190000                             | 1.10                  |                                                                                    |                                      |                          |                              |                          |                                                                                     |
| 0.20                                | 46400                | 7343  | 190000                             | 1.15                  |                                                                                    |                                      |                          |                              |                          |                                                                                     |
| 0.22                                | 42400                | 6747  | 190000                             | 1.25                  |                                                                                    |                                      |                          |                              |                          |                                                                                     |
| 0.24                                | 37300                | 5991  | 190000                             | 1.40                  |                                                                                    |                                      |                          |                              |                          |                                                                                     |
| 0.27                                | 33000                | 5358  | 190000                             | 1.60                  |                                                                                    |                                      |                          |                              |                          |                                                                                     |
| 0.30                                | 29400                | 4817  | 190000                             | 1.80                  |                                                                                    |                                      |                          |                              |                          |                                                                                     |
| 0.33                                | 26600                | 4370  | 190000                             | 2.0                   |                                                                                    |                                      |                          |                              |                          |                                                                                     |
| 0.22                                | 41400                | 6562  | 150000                             | 0.85                  | K<br>KH                                                                            | 167R97<br>167R97                     | DRN<br>DRN               | 90S4<br>90S4                 | 1190<br>1160             | 713<br>713                                                                          |
| 0.27                                | 33300                | 5355  | 150000                             | 1.05                  |                                                                                    |                                      |                          |                              |                          |                                                                                     |
| 0.30                                | 29500                | 4788  | 150000                             | 1.20                  |                                                                                    |                                      |                          |                              |                          |                                                                                     |
| 0.36                                | 25600                | 4079  | 150000                             | 1.35                  |                                                                                    |                                      |                          |                              |                          |                                                                                     |
| 0.43                                | 21300                | 3376  | 150000                             | 1.65                  |                                                                                    |                                      |                          |                              |                          |                                                                                     |
| 0.53                                | 17100                | 2755  | 150000                             | 2.0                   |                                                                                    |                                      |                          |                              |                          |                                                                                     |
| 0.67                                | 13900                | 2182  | 150000                             | 2.5                   | K<br>KH                                                                            | 167R97<br>167R97                     | DRN<br>DRN               | 90S4<br>90S4                 | 1190<br>1150             | 713<br>713                                                                          |
| 0.85                                | 10800                | 1704  | 150000                             | 3.2                   |                                                                                    |                                      |                          |                              |                          |                                                                                     |
| 1.0                                 | 9000                 | 1408  | 150000                             | 3.9                   |                                                                                    |                                      |                          |                              |                          |                                                                                     |
| 1.1                                 | 8240                 | 1296  | 150000                             | 4.2                   |                                                                                    |                                      |                          |                              |                          |                                                                                     |
| 0.37                                | 25100                | 3979  | 107800                             | 0.80                  | K<br>KF<br>KA<br>KAF                                                               | 157R97<br>157R97<br>157R97<br>157R97 | DRN<br>DRN<br>DRN<br>DRN | 90S4<br>90S4<br>90S4<br>90S4 | 800<br>880<br>760<br>820 | 713<br>713<br>713<br>713                                                            |
| 0.41                                | 21600                | 3516  | 110100                             | 0.90                  |                                                                                    |                                      |                          |                              |                          |                                                                                     |
| 0.48                                | 19200                | 3051  | 111500                             | 1.05                  |                                                                                    |                                      |                          |                              |                          |                                                                                     |
| 0.56                                | 15900                | 2610  | 113200                             | 1.25                  |                                                                                    |                                      |                          |                              |                          |                                                                                     |
| 0.63                                | 14100                | 2322  | 113900                             | 1.40                  |                                                                                    |                                      |                          |                              |                          |                                                                                     |
| 0.88                                | 10600                | 1659  | 115100                             | 1.90                  | K<br>KF<br>KA<br>KAF                                                               | 157R97<br>157R97<br>157R97<br>157R97 | DRN<br>DRN<br>DRN<br>DRN | 90S4<br>90S4<br>90S4<br>90S4 | 800<br>880<br>760<br>820 | 713<br>713<br>713<br>713                                                            |
| 1.1                                 | 8600                 | 1365  | 115600                             | 2.3                   |                                                                                    |                                      |                          |                              |                          |                                                                                     |
| 1.2                                 | 7670                 | 1229  | 115800                             | 2.6                   |                                                                                    |                                      |                          |                              |                          |                                                                                     |
| 1.3                                 | 6820                 | 1093  | 116000                             | 2.9                   |                                                                                    |                                      |                          |                              |                          |                                                                                     |
| 1.5                                 | 5880                 | 942   | 116200                             | 3.4                   |                                                                                    |                                      |                          |                              |                          |                                                                                     |
| 1.7                                 | 5270                 | 854   | 116300                             | 3.8                   |                                                                                    |                                      |                          |                              |                          |                                                                                     |
| 0.76                                | 12600                | 1926  | 79400                              | 1.05                  | K<br>KF<br>KA<br>KAF                                                               | 127R77<br>127R77<br>127R77<br>127R77 | DRN<br>DRN<br>DRN<br>DRN | 90S4<br>90S4<br>90S4<br>90S4 | 480<br>520<br>455<br>490 | 713<br>713<br>713<br>713                                                            |
| 0.83                                | 11500                | 1757  | 80000                              | 1.15                  |                                                                                    |                                      |                          |                              |                          |                                                                                     |
| 0.94                                | 10000                | 1541  | 80600                              | 1.30                  |                                                                                    |                                      |                          |                              |                          |                                                                                     |
| 1.1                                 | 8810                 | 1342  | 81200                              | 1.45                  |                                                                                    |                                      |                          |                              |                          |                                                                                     |
| 1.2                                 | 7700                 | 1177  | 81600                              | 1.70                  |                                                                                    |                                      |                          |                              |                          |                                                                                     |
| 1.4                                 | 6730                 | 1025  | 81900                              | 1.95                  |                                                                                    |                                      |                          |                              |                          |                                                                                     |
| 1.6                                 | 5880                 | 899   | 82100                              | 2.2                   |                                                                                    |                                      |                          |                              |                          |                                                                                     |
| 1.8                                 | 5060                 | 790   | 82300                              | 2.6                   |                                                                                    |                                      |                          |                              |                          |                                                                                     |
| 2.1                                 | 4580                 | 704   | 82400                              | 2.8                   |                                                                                    |                                      |                          |                              |                          |                                                                                     |
| 2.4                                 | 3940                 | 610   | 82500                              | 3.3                   |                                                                                    |                                      |                          |                              |                          |                                                                                     |
| 2.6                                 | 3560                 | 549   | 82600                              | 3.6                   |                                                                                    |                                      |                          |                              |                          |                                                                                     |
| 3.0                                 | 3060                 | 477   | 82600                              | 4.2                   |                                                                                    |                                      |                          |                              |                          |                                                                                     |
| 1.2                                 | 7680                 | 1166  | 65000                              | 1.05                  | K<br>KF<br>KA<br>KAF                                                               | 107R77<br>107R77<br>107R77<br>107R77 | DRN<br>DRN<br>DRN<br>DRN | 90S4<br>90S4<br>90S4<br>90S4 | 320<br>335<br>295<br>320 | 713<br>713<br>713<br>713                                                            |
| 1.4                                 | 6680                 | 1030  | 65000                              | 1.20                  |                                                                                    |                                      |                          |                              |                          |                                                                                     |
| 1.6                                 | 5840                 | 904   | 65000                              | 1.35                  |                                                                                    |                                      |                          |                              |                          |                                                                                     |
| 1.8                                 | 5200                 | 793   | 65000                              | 1.55                  |                                                                                    |                                      |                          |                              |                          |                                                                                     |
| 2.1                                 | 4550                 | 696   | 65000                              | 1.75                  |                                                                                    |                                      |                          |                              |                          |                                                                                     |
| 2.4                                 | 3970                 | 615   | 65000                              | 2.0                   |                                                                                    |                                      |                          |                              |                          |                                                                                     |
| 2.8                                 | 3370                 | 522   | 65000                              | 2.4                   |                                                                                    |                                      |                          |                              |                          |                                                                                     |
| 3.2                                 | 2960                 | 461   | 65000                              | 2.7                   |                                                                                    |                                      |                          |                              |                          |                                                                                     |
| 3.6                                 | 2610                 | 408   | 65000                              | 3.1                   |                                                                                    |                                      |                          |                              |                          |                                                                                     |
| 4.0                                 | 2360                 | 364   | 65000                              | 3.4                   |                                                                                    |                                      |                          |                              |                          |                                                                                     |
| 4.6                                 | 2070                 | 318   | 65000                              | 3.9                   |                                                                                    |                                      |                          |                              |                          |                                                                                     |
| 2.0                                 | 4870                 | 743   | 40000                              | 0.90                  | K<br>KF<br>KA<br>KAF                                                               | 97R57<br>97R57<br>97R57<br>97R57     | DRN<br>DRN<br>DRN<br>DRN | 90S4<br>90S4<br>90S4<br>90S4 | 195<br>215<br>175<br>200 | 713<br>713<br>713<br>713                                                            |
| 2.2                                 | 4280                 | 652   | 40000                              | 1.00                  |                                                                                    |                                      |                          |                              |                          |                                                                                     |
| 2.5                                 | 3830                 | 573   | 40000                              | 1.10                  |                                                                                    |                                      |                          |                              |                          |                                                                                     |
| 2.9                                 | 3300                 | 504   | 40000                              | 1.30                  |                                                                                    |                                      |                          |                              |                          |                                                                                     |
| 3.3                                 | 2840                 | 437   | 40000                              | 1.50                  |                                                                                    |                                      |                          |                              |                          |                                                                                     |
| 3.8                                 | 2510                 | 382   | 40000                              | 1.70                  |                                                                                    |                                      |                          |                              |                          |                                                                                     |
| 4.2                                 | 2220                 | 342   | 40000                              | 1.95                  |                                                                                    |                                      |                          |                              |                          |                                                                                     |

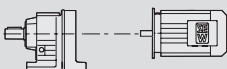
| P <sub>m</sub> = 1.1 kW             |                      |         |                                    |                       |                                                                                    |    |     |      |         |                                                                                     |
|-------------------------------------|----------------------|---------|------------------------------------|-----------------------|------------------------------------------------------------------------------------|----|-----|------|---------|-------------------------------------------------------------------------------------|
| n <sub>a</sub><br>min <sup>-1</sup> | M <sub>a</sub><br>Nm | i       | F <sub>Ra</sub> <sup>1)</sup><br>N | SEW<br>f <sub>B</sub> |  |    |     |      | m<br>kg |  |
| 3.1                                 | 3120                 | 474     | 26700                              | 0.85                  |                                                                                    |    |     |      |         |                                                                                     |
| 3.4                                 | 2800                 | 426     | 27200                              | 0.95                  |                                                                                    |    |     |      |         |                                                                                     |
| 3.9                                 | 2470                 | 373     | 27600                              | 1.10                  |                                                                                    |    |     |      |         |                                                                                     |
| 4.4                                 | 2160                 | 330     | 27900                              | 1.25                  |                                                                                    |    |     |      |         |                                                                                     |
| 5.0                                 | 1930                 | 294     | 28100                              | 1.40                  |                                                                                    |    |     |      |         |                                                                                     |
| 5.8                                 | 1660                 | 250     | 28300                              | 1.60                  |                                                                                    |    |     |      |         |                                                                                     |
| 6.2                                 | 1570                 | 236     | 28400                              | 1.70                  |                                                                                    |    |     |      |         |                                                                                     |
| 7.2                                 | 1330                 | 201     | 28600                              | 2.0                   |                                                                                    |    |     |      |         |                                                                                     |
| 5.4                                 | 1930                 | 176.05* | 40000                              | 2.2                   | K                                                                                  | 97 | DRN | 90L6 | 170     | 681                                                                                 |
| 6.2                                 | 1680                 | 153.21* | 40000                              | 2.6                   | KF                                                                                 | 97 | DRN | 90L6 | 190     | 682                                                                                 |
| 6.8                                 | 1530                 | 140.28  | 40000                              | 2.8                   | KA                                                                                 | 97 | DRN | 90L6 | 155     | 684                                                                                 |
| 7.7                                 | 1360                 | 123.93* | 40000                              | 3.2                   | KAF                                                                                | 97 | DRN | 90L6 | 180     | 682                                                                                 |
| 8.3                                 | 1270                 | 176.05* | 40000                              | 3.4                   | K                                                                                  | 97 | DRN | 90S4 | 170     | 681                                                                                 |
| 9.5                                 | 1100                 | 153.21* | 40000                              | 3.9                   | KF                                                                                 | 97 | DRN | 90S4 | 190     | 682                                                                                 |
| 10                                  | 1010                 | 140.28  | 40000                              | 4.2                   | KA                                                                                 | 97 | DRN | 90S4 | 150     | 684                                                                                 |
|                                     |                      |         |                                    |                       | KAF                                                                                | 97 | DRN | 90S4 | 175     | 682                                                                                 |
| 6.5                                 | 1610                 | 147.32* | 28400                              | 1.65                  | K                                                                                  | 87 | DRN | 90L6 | 110     | 674                                                                                 |
| 7.5                                 | 1390                 | 126.91* | 28500                              | 1.95                  | KF                                                                                 | 87 | DRN | 90L6 | 120     | 675                                                                                 |
|                                     |                      |         |                                    |                       | KA                                                                                 | 87 | DRN | 90L6 | 100     | 677                                                                                 |
|                                     |                      |         |                                    |                       | KAF                                                                                | 87 | DRN | 90L6 | 115     | 675                                                                                 |
| 8.3                                 | 1250                 | 174.19  | 28600                              | 2.1                   | K                                                                                  | 87 | DRN | 90S4 | 110     | 674                                                                                 |
| 8.8                                 | 1180                 | 164.34* | 28700                              | 2.3                   | KF                                                                                 | 87 | DRN | 90S4 | 120     | 675                                                                                 |
| 9.9                                 | 1060                 | 147.32* | 28800                              | 2.5                   | KA                                                                                 | 87 | DRN | 90S4 | 97      | 677                                                                                 |
| 11                                  | 910                  | 126.91* | 28800                              | 3.0                   | KAF                                                                                | 87 | DRN | 90S4 | 110     | 675                                                                                 |
| 13                                  | 830                  | 115.82  | 28900                              | 3.2                   |                                                                                    |    |     |      |         |                                                                                     |
| 8.4                                 | 1240                 | 113.56  | 17200                              | 1.25                  | K                                                                                  | 77 | DRN | 90L6 | 77      | 667                                                                                 |
| 9.9                                 | 1060                 | 97.05   | 18000                              | 1.45                  | KF                                                                                 | 77 | DRN | 90L6 | 85      | 668                                                                                 |
|                                     |                      |         |                                    |                       | KA                                                                                 | 77 | DRN | 90L6 | 69      | 670                                                                                 |
|                                     |                      |         |                                    |                       | KAF                                                                                | 77 | DRN | 90L6 | 77      | 668                                                                                 |
| 11                                  | 970                  | 135.28  | 18400                              | 1.60                  | K                                                                                  | 77 | DRN | 90S4 | 73      | 667                                                                                 |
| 11                                  | 920                  | 128.52  | 18600                              | 1.65                  | KF                                                                                 | 77 | DRN | 90S4 | 82      | 668                                                                                 |
| 13                                  | 810                  | 113.56  | 18900                              | 1.90                  | KA                                                                                 | 77 | DRN | 90S4 | 66      | 670                                                                                 |
|                                     |                      |         |                                    |                       | KAF                                                                                | 77 | DRN | 90S4 | 74      | 668                                                                                 |
| 15                                  | 700                  | 97.05   | 19300                              | 2.2                   | K                                                                                  | 77 | DRN | 90S4 | 73      | 667                                                                                 |
| 16                                  | 640                  | 88.97   | 19400                              | 2.4                   | KF                                                                                 | 77 | DRN | 90S4 | 82      | 668                                                                                 |
| 19                                  | 560                  | 78.07   | 19600                              | 2.8                   | KA                                                                                 | 77 | DRN | 90S4 | 66      | 670                                                                                 |
| 20                                  | 530                  | 73.99   | 19600                              | 2.9                   | KAF                                                                                | 77 | DRN | 90S4 | 74      | 668                                                                                 |
| 13                                  | 775                  | 108.03  | 10700                              | 1.05                  | K                                                                                  | 67 | DRN | 90S4 | 49      | 660                                                                                 |
| 14                                  | 740                  | 102.62  | 11000                              | 1.10                  | KF                                                                                 | 67 | DRN | 90S4 | 54      | 661                                                                                 |
| 16                                  | 650                  | 90.04   | 11600                              | 1.25                  | KA                                                                                 | 67 | DRN | 90S4 | 46      | 663                                                                                 |
| 19                                  | 550                  | 76.37   | 12200                              | 1.50                  | KAF                                                                                | 67 | DRN | 90S4 | 52      | 661                                                                                 |
| 21                                  | 495                  | 68.95   | 12400                              | 1.65                  |                                                                                    |    |     |      |         |                                                                                     |
| 24                                  | 435                  | 60.66   | 12700                              | 1.85                  | K                                                                                  | 67 | DRN | 90S4 | 49      | 660                                                                                 |
| 25                                  | 410                  | 57.28   | 12800                              | 2.0                   | KF                                                                                 | 67 | DRN | 90S4 | 54      | 661                                                                                 |
| 30                                  | 350                  | 48.77   | 13000                              | 2.3                   | KA                                                                                 | 67 | DRN | 90S4 | 46      | 663                                                                                 |
| 33                                  | 315                  | 44.32   | 13000                              | 2.6                   | KAF                                                                                | 67 | DRN | 90S4 | 52      | 661                                                                                 |
| 38                                  | 275                  | 38.39   | 13000                              | 2.9                   |                                                                                    |    |     |      |         |                                                                                     |
| 16                                  | 650                  | 90.26*  | 6280                               | 0.90                  |                                                                                    |    |     |      |         |                                                                                     |
| 19                                  | 550                  | 76.56*  | 8010                               | 1.10                  |                                                                                    |    |     |      |         |                                                                                     |
| 21                                  | 495                  | 69.12   | 8420                               | 1.20                  |                                                                                    |    |     |      |         |                                                                                     |
| 24                                  | 435                  | 60.81*  | 8710                               | 1.35                  |                                                                                    |    |     |      |         |                                                                                     |
| 25                                  | 410                  | 57.42*  | 8820                               | 1.45                  |                                                                                    |    |     |      |         |                                                                                     |
| 30                                  | 350                  | 48.89   | 9080                               | 1.70                  |                                                                                    |    |     |      |         |                                                                                     |
| 33                                  | 320                  | 44.43   | 9210                               | 1.85                  |                                                                                    |    |     |      |         |                                                                                     |

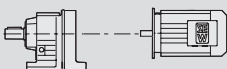
| P <sub>m</sub> = 1.1 kW             |                      |        |                                    |                       |                                                                                    |    |     |      |         |                                                                                     |
|-------------------------------------|----------------------|--------|------------------------------------|-----------------------|------------------------------------------------------------------------------------|----|-----|------|---------|-------------------------------------------------------------------------------------|
| n <sub>a</sub><br>min <sup>-1</sup> | M <sub>a</sub><br>Nm | i      | F <sub>Ra</sub> <sup>1)</sup><br>N | SEW<br>f <sub>B</sub> |  |    |     |      | m<br>kg |  |
| 38                                  | 275                  | 38.49  | 9370                               | 2.2                   | K<br>KF<br>KA<br>KAF                                                               | 57 | DRN | 90S4 | 43      | 654                                                                                 |
| 41                                  | 255                  | 35.70  | 9440                               | 2.3                   |                                                                                    |    |     |      |         |                                                                                     |
| 48                                  | 215                  | 30.28  | 9570                               | 2.7                   |                                                                                    |    |     |      |         |                                                                                     |
| 53                                  | 197                  | 27.34  | 9430                               | 3.0                   |                                                                                    |    |     |      |         |                                                                                     |
| 60                                  | 174                  | 24.05  | 9130                               | 3.5                   |                                                                                    |    |     |      |         |                                                                                     |
| 64                                  | 164                  | 22.71  | 9000                               | 3.7                   |                                                                                    |    |     |      |         |                                                                                     |
| 75                                  | 140                  | 19.34  | 8640                               | 4.1                   |                                                                                    |    |     |      |         |                                                                                     |
| 83                                  | 127                  | 17.57  | 8420                               | 4.4                   |                                                                                    |    |     |      |         |                                                                                     |
| 96                                  | 110                  | 15.22  | 8100                               | 4.9                   |                                                                                    |    |     |      |         |                                                                                     |
| 110                                 | 96                   | 13.25  | 7790                               | 5.3                   |                                                                                    |    |     |      |         |                                                                                     |
| 122                                 | 86                   | 11.92  | 7490                               | 4.8                   |                                                                                    |    |     |      |         |                                                                                     |
| 129                                 | 81                   | 11.26  | 7370                               | 5.1                   |                                                                                    |    |     |      |         |                                                                                     |
| 152                                 | 69                   | 9.59   | 7040                               | 5.8                   |                                                                                    |    |     |      |         |                                                                                     |
| 167                                 | 63                   | 8.71   | 6850                               | 6.2                   |                                                                                    |    |     |      |         |                                                                                     |
| 193                                 | 54                   | 7.55   | 6570                               | 6.7                   |                                                                                    |    |     |      |         |                                                                                     |
| 222                                 | 47                   | 6.57   | 6310                               | 7.3                   |                                                                                    |    |     |      |         |                                                                                     |
| 310                                 | 34                   | 4.69   | 5700                               | 8.9                   |                                                                                    |    |     |      |         |                                                                                     |
| 24                                  | 435                  | 60.27  | 9000                               | 1.15                  | K<br>KF<br>KA<br>KAF                                                               | 49 | DRN | 90S4 | 48      | 650                                                                                 |
| 27                                  | 380                  | 52.94  | 9000                               | 1.30                  |                                                                                    |    |     |      |         |                                                                                     |
| 29                                  | 360                  | 50.29  | 9000                               | 1.40                  |                                                                                    |    |     |      |         |                                                                                     |
| 33                                  | 320                  | 44.44  | 9000                               | 1.55                  |                                                                                    |    |     |      |         |                                                                                     |
| 38                                  | 270                  | 37.98  | 8800                               | 1.80                  |                                                                                    |    |     |      |         |                                                                                     |
| 42                                  | 250                  | 34.81  | 8660                               | 2.0                   |                                                                                    |    |     |      |         |                                                                                     |
| 48                                  | 220                  | 30.55  | 8430                               | 2.3                   |                                                                                    |    |     |      |         |                                                                                     |
| 50                                  | 205                  | 28.95  | 8340                               | 2.4                   |                                                                                    |    |     |      |         |                                                                                     |
| 57                                  | 183                  | 25.34  | 8100                               | 2.7                   |                                                                                    |    |     |      |         |                                                                                     |
| 64                                  | 165                  | 22.83  | 7900                               | 3.0                   |                                                                                    |    |     |      |         |                                                                                     |
| 73                                  | 145                  | 20.03  | 7660                               | 3.5                   |                                                                                    |    |     |      |         |                                                                                     |
| 26                                  | 410                  | 56.83  | 5430                               | 0.95                  | K<br>KF<br>KA<br>KAF                                                               | 47 | DRN | 90S4 | 37      | 644                                                                                 |
| 30                                  | 350                  | 48.95* | 6520                               | 1.15                  |                                                                                    |    |     |      |         |                                                                                     |
| 32                                  | 330                  | 46.03* | 6750                               | 1.20                  |                                                                                    |    |     |      |         |                                                                                     |
|                                     |                      |        |                                    |                       |                                                                                    |    |     |      |         |                                                                                     |
| 37                                  | 285                  | 39.61  | 7160                               | 1.40                  | K<br>KF<br>KA<br>KAF                                                               | 47 | DRN | 90S4 | 37      | 644                                                                                 |
| 41                                  | 255                  | 35.39  | 7050                               | 1.55                  |                                                                                    |    |     |      |         |                                                                                     |
| 46                                  | 225                  | 31.30  | 6920                               | 1.75                  |                                                                                    |    |     |      |         |                                                                                     |
| 50                                  | 210                  | 29.32  | 6840                               | 1.90                  |                                                                                    |    |     |      |         |                                                                                     |
| 56                                  | 187                  | 25.91  | 6690                               | 2.1                   |                                                                                    |    |     |      |         |                                                                                     |
| 67                                  | 157                  | 21.81  | 6460                               | 2.5                   |                                                                                    |    |     |      |         |                                                                                     |
| 74                                  | 141                  | 19.58  | 6310                               | 2.8                   |                                                                                    |    |     |      |         |                                                                                     |
| 29                                  | 355                  | 49.69  | 6810                               | 0.85                  | K<br>KF<br>KA<br>KAF                                                               | 39 | DRN | 90S4 | 36      | 640                                                                                 |
| 33                                  | 310                  | 43.45  | 6760                               | 0.95                  |                                                                                    |    |     |      |         |                                                                                     |
| 35                                  | 295                  | 41.28  | 6740                               | 1.00                  |                                                                                    |    |     |      |         |                                                                                     |
| 40                                  | 260                  | 36.22  | 6660                               | 1.15                  |                                                                                    |    |     |      |         |                                                                                     |
| 47                                  | 220                  | 30.72  | 6520                               | 1.35                  |                                                                                    |    |     |      |         |                                                                                     |
| 52                                  | 200                  | 27.73  | 6420                               | 1.50                  |                                                                                    |    |     |      |         |                                                                                     |
| 60                                  | 176                  | 24.40  | 6290                               | 1.70                  |                                                                                    |    |     |      |         |                                                                                     |
| 63                                  | 166                  | 23.04  | 6230                               | 1.80                  |                                                                                    |    |     |      |         |                                                                                     |
| 74                                  | 142                  | 19.62  | 6040                               | 2.1                   |                                                                                    |    |     |      |         |                                                                                     |
| 82                                  | 129                  | 17.83  | 5920                               | 2.2                   |                                                                                    |    |     |      |         |                                                                                     |
| 94                                  | 111                  | 15.44  | 5740                               | 2.5                   |                                                                                    |    |     |      |         |                                                                                     |
| 108                                 | 97                   | 13.44  | 5560                               | 2.8                   |                                                                                    |    |     |      |         |                                                                                     |
| 114                                 | 92                   | 12.73  | 5760                               | 2.7                   |                                                                                    |    |     |      |         |                                                                                     |
| 120                                 | 87                   | 12.09  | 5680                               | 2.9                   |                                                                                    |    |     |      |         |                                                                                     |
| 137                                 | 77                   | 10.61  | 5480                               | 3.7                   |                                                                                    |    |     |      |         |                                                                                     |

| P <sub>m</sub> = 1.1 kW             |                      |       |                                    |                       |                                                                                    |    |     |      |         |                                                                                     |
|-------------------------------------|----------------------|-------|------------------------------------|-----------------------|------------------------------------------------------------------------------------|----|-----|------|---------|-------------------------------------------------------------------------------------|
| n <sub>a</sub><br>min <sup>-1</sup> | M <sub>a</sub><br>Nm | i     | F <sub>Ra</sub> <sup>1)</sup><br>N | SEW<br>f <sub>B</sub> |  |    |     |      | m<br>kg |  |
| 49                                  | 215                  | 29.96 | 3430                               | 0.90                  | K<br>KF<br>KA<br>KAF                                                               | 37 | DRN | 90S4 | 30      | 634                                                                                 |
| 58                                  | 180                  | 24.99 | 3440                               | 1.10                  |                                                                                    |    |     |      |         |                                                                                     |
| 62                                  | 169                  | 23.36 | 3430                               | 1.15                  |                                                                                    |    |     |      |         |                                                                                     |
| 72                                  | 146                  | 20.19 | 3410                               | 1.25                  |                                                                                    |    |     |      |         |                                                                                     |
| 85                                  | 124                  | 17.15 | 3360                               | 1.45                  |                                                                                    |    |     |      |         |                                                                                     |
| 95                                  | 111                  | 15.31 | 3310                               | 1.60                  |                                                                                    |    |     |      |         |                                                                                     |
| 111                                 | 94                   | 13.08 | 3240                               | 1.75                  |                                                                                    |    |     |      |         |                                                                                     |
| 120                                 | 88                   | 12.14 | 3200                               | 1.85                  |                                                                                    |    |     |      |         |                                                                                     |
| 139                                 | 76                   | 10.49 | 3120                               | 2.1                   |                                                                                    |    |     |      |         |                                                                                     |
| 163                                 | 64                   | 8.91  | 3020                               | 2.5                   |                                                                                    |    |     |      |         |                                                                                     |
| 183                                 | 57                   | 7.96  | 2950                               | 2.7                   |                                                                                    |    |     |      |         |                                                                                     |
| 214                                 | 49                   | 6.80  | 2850                               | 3.1                   |                                                                                    |    |     |      |         |                                                                                     |
| 229                                 | 46                   | 6.37  | 2800                               | 3.1                   |                                                                                    |    |     |      |         |                                                                                     |
| 271                                 | 39                   | 5.36  | 2690                               | 3.6                   |                                                                                    |    |     |      |         |                                                                                     |
| 366                                 | 29                   | 3.98  | 2490                               | 4.3                   |                                                                                    |    |     |      |         |                                                                                     |
| 73                                  | 144                  | 19.99 | 3360                               | 0.90                  | K<br>KF<br>KA<br>KAF                                                               | 29 | DRN | 90S4 | 25      | 627                                                                                 |
| 89                                  | 118                  | 16.29 | 3290                               | 1.10                  |                                                                                    |    |     |      |         |                                                                                     |
| 108                                 | 97                   | 13.47 | 3210                               | 1.35                  |                                                                                    |    |     |      |         |                                                                                     |
| 122                                 | 86                   | 11.94 | 3150                               | 1.50                  |                                                                                    |    |     |      |         |                                                                                     |
| 147                                 | 71                   | 9.90  | 3210                               | 1.55                  |                                                                                    |    |     |      |         |                                                                                     |
| 159                                 | 66                   | 9.17  | 2990                               | 1.95                  |                                                                                    |    |     |      |         |                                                                                     |
| 171                                 | 62                   | 8.53  | 3100                               | 2.0                   |                                                                                    |    |     |      |         |                                                                                     |
| 195                                 | 54                   | 7.48  | 2870                               | 2.3                   |                                                                                    |    |     |      |         |                                                                                     |
| 209                                 | 50                   | 6.95  | 2940                               | 2.2                   |                                                                                    |    |     |      |         |                                                                                     |
| 253                                 | 42                   | 5.75  | 2800                               | 2.7                   |                                                                                    |    |     |      |         |                                                                                     |
| 285                                 | 37                   | 5.10  | 2710                               | 3.0                   |                                                                                    |    |     |      |         |                                                                                     |
| 115                                 | 92                   | 12.70 | 2760                               | 0.85                  | K<br>KF<br>KA<br>KAF                                                               | 19 | DRN | 90S4 | 23      | 621                                                                                 |
| 123                                 | 85                   | 11.84 | 2740                               | 0.90                  |                                                                                    |    |     |      |         |                                                                                     |
| 141                                 | 74                   | 10.32 | 2690                               | 1.00                  |                                                                                    |    |     |      |         |                                                                                     |
| 180                                 | 58                   | 8.09  | 2720                               | 1.35                  |                                                                                    |    |     |      |         |                                                                                     |
| 211                                 | 50                   | 6.91  | 2620                               | 1.60                  |                                                                                    |    |     |      |         |                                                                                     |
| 227                                 | 46                   | 6.41  | 2580                               | 1.75                  |                                                                                    |    |     |      |         |                                                                                     |
| 263                                 | 40                   | 5.54  | 2490                               | 2.0                   |                                                                                    |    |     |      |         |                                                                                     |
| 282                                 | 37                   | 5.16  | 2440                               | 2.1                   |                                                                                    |    |     |      |         |                                                                                     |
| 323                                 | 32                   | 4.50  | 2360                               | 2.5                   |                                                                                    |    |     |      |         |                                                                                     |

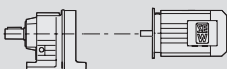
| P <sub>m</sub> = 1.5 kW             |                      |      |                                    |                       |                                                                                      |        |     |      |         |                                                                                       |
|-------------------------------------|----------------------|------|------------------------------------|-----------------------|--------------------------------------------------------------------------------------|--------|-----|------|---------|---------------------------------------------------------------------------------------|
| n <sub>a</sub><br>min <sup>-1</sup> | M <sub>a</sub><br>Nm | i    | F <sub>Ra</sub> <sup>1)</sup><br>N | SEW<br>f <sub>B</sub> |  |        |     |      | m<br>kg |  |
| 0.20                                | 63900                | 7343 | 190000                             | 0.85                  | K<br>KH                                                                              | 187R97 | DRN | 90L4 | 1780    | 713                                                                                   |
| 0.22                                | 58500                | 6747 | 190000                             | 0.90                  |                                                                                      |        |     |      |         |                                                                                       |
| 0.24                                | 51600                | 5991 | 190000                             | 1.05                  |                                                                                      |        |     |      |         |                                                                                       |
| 0.27                                | 45800                | 5358 | 190000                             | 1.15                  |                                                                                      |        |     |      |         |                                                                                       |
| 0.30                                | 40800                | 4817 | 190000                             | 1.30                  |                                                                                      |        |     |      |         |                                                                                       |
| 0.33                                | 37100                | 4370 | 190000                             | 1.45                  |                                                                                      |        |     |      |         |                                                                                       |
| 0.40                                | 31800                | 3609 | 190000                             | 1.65                  | K<br>KH                                                                              | 187R97 | DRN | 90L4 | 1780    | 713                                                                                   |
| 0.48                                | 26900                | 3062 | 190000                             | 1.95                  |                                                                                      |        |     |      |         |                                                                                       |
| 0.58                                | 21900                | 2519 | 190000                             | 2.4                   |                                                                                      |        |     |      |         |                                                                                       |
| 0.64                                | 19600                | 2268 | 190000                             | 2.7                   |                                                                                      |        |     |      |         |                                                                                       |
| 0.31                                | 40900                | 4788 | 150000                             | 0.85                  | K<br>KH                                                                              | 167R97 | DRN | 90L4 | 1200    | 713                                                                                   |
| 0.36                                | 35300                | 4079 | 150000                             | 1.00                  |                                                                                      |        |     |      |         |                                                                                       |
| 0.43                                | 29300                | 3376 | 150000                             | 1.20                  |                                                                                      |        |     |      |         |                                                                                       |
| 0.53                                | 23700                | 2755 | 150000                             | 1.45                  |                                                                                      |        |     |      |         |                                                                                       |
| 0.67                                | 19200                | 2182 | 150000                             | 1.80                  | K<br>KH                                                                              | 167R97 | DRN | 90L4 | 1190    | 713                                                                                   |
| 0.86                                | 14900                | 1704 | 150000                             | 2.3                   |                                                                                      |        |     |      |         |                                                                                       |
| 1.0                                 | 12400                | 1408 | 150000                             | 2.8                   |                                                                                      |        |     |      |         |                                                                                       |
| 1.1                                 | 11300                | 1296 | 150000                             | 3.1                   |                                                                                      |        |     |      |         |                                                                                       |
| 0.56                                | 22100                | 2610 | 109800                             | 0.90                  | K<br>KF<br>KA<br>KAF                                                                 | 157R97 | DRN | 90L4 | 800     | 713                                                                                   |
| 0.63                                | 19700                | 2322 | 111300                             | 1.00                  |                                                                                      |        |     |      |         |                                                                                       |
|                                     |                      |      |                                    |                       |                                                                                      |        |     |      |         |                                                                                       |
|                                     |                      |      |                                    |                       |                                                                                      |        |     |      |         |                                                                                       |

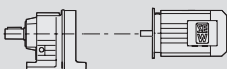
| P <sub>m</sub> = 1.5 kW             |                      |         |                                    |                       |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
|-------------------------------------|----------------------|---------|------------------------------------|-----------------------|------------------------------------------------------------------------------------|--------------------------------------|--------------------------|----------------------------------|--------------------------|-------------------------------------------------------------------------------------|
| n <sub>a</sub><br>min <sup>-1</sup> | M <sub>a</sub><br>Nm | i       | F <sub>Ra</sub> <sup>1)</sup><br>N | SEW<br>f <sub>B</sub> |  |                                      |                          |                                  | m<br>kg                  |  |
| 0.88                                | 14600                | 1659    | 113700                             | 1.35                  | K<br>KF<br>KA<br>KAF                                                               | 157R97<br>157R97<br>157R97<br>157R97 | DRN<br>DRN<br>DRN<br>DRN | 90L4<br>90L4<br>90L4<br>90L4     | 800<br>880<br>760<br>820 | 713<br>713<br>713<br>713                                                            |
| 1.1                                 | 11900                | 1365    | 114700                             | 1.70                  |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 1.2                                 | 10600                | 1229    | 115100                             | 1.90                  |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 1.3                                 | 9460                 | 1093    | 115400                             | 2.1                   |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 1.6                                 | 8150                 | 942     | 115700                             | 2.5                   |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 1.7                                 | 7330                 | 854     | 115900                             | 2.7                   |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 2.6                                 | 4810                 | 567     | 116300                             | 4.2                   |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 2.9                                 | 4280                 | 504     | 116400                             | 4.7                   |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 2.7                                 | 4640                 | 536     | 82400                              | 2.8                   | K                                                                                  | 127R87                               | DRN                      | 90L4                             | 510                      | 713                                                                                 |
| 3.5                                 | 3660                 | 418     | 82600                              | 3.5                   | KF                                                                                 | 127R87                               | DRN                      | 90L4                             | 550                      | 713                                                                                 |
| 4.0                                 | 3220                 | 367     | 82600                              | 4.0                   | KA                                                                                 | 127R87                               | DRN                      | 90L4                             | 480                      | 713                                                                                 |
|                                     |                      |         |                                    |                       | KAF                                                                                | 127R87                               | DRN                      | 90L4                             | 520                      | 713                                                                                 |
| 0.83                                | 15700                | 1757    | 74400                              | 0.80                  | K<br>KF<br>KA<br>KAF                                                               | 127R77<br>127R77<br>127R77<br>127R77 | DRN<br>DRN<br>DRN<br>DRN | 90L4<br>90L4<br>90L4<br>90L4     | 485<br>530<br>455<br>495 | 713<br>713<br>713<br>713                                                            |
| 0.95                                | 13800                | 1541    | 78300                              | 0.95                  |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 1.1                                 | 12000                | 1342    | 79700                              | 1.10                  |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 1.2                                 | 10500                | 1177    | 80400                              | 1.25                  |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 1.4                                 | 9200                 | 1025    | 81000                              | 1.40                  |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 1.6                                 | 8050                 | 899     | 81400                              | 1.60                  |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 1.9                                 | 6970                 | 790     | 81800                              | 1.85                  |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 2.1                                 | 6280                 | 704     | 82000                              | 2.1                   |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 2.4                                 | 5420                 | 610     | 82200                              | 2.4                   |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 2.7                                 | 4890                 | 549     | 82300                              | 2.7                   |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 3.1                                 | 4210                 | 477     | 82500                              | 3.1                   |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 3.5                                 | 3720                 | 418     | 82500                              | 3.5                   |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 1.4                                 | 9170                 | 1030    | 65000                              | 0.85                  | K<br>KF<br>KA<br>KAF                                                               | 107R77<br>107R77<br>107R77<br>107R77 | DRN<br>DRN<br>DRN<br>DRN | 90L4<br>90L4<br>90L4<br>90L4     | 325<br>335<br>300<br>320 | 713<br>713<br>713<br>713                                                            |
| 1.6                                 | 8020                 | 904     | 65000                              | 1.00                  |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 1.8                                 | 7120                 | 793     | 65000                              | 1.10                  |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 2.1                                 | 6230                 | 696     | 65000                              | 1.30                  |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 2.4                                 | 5460                 | 615     | 65000                              | 1.45                  |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 2.8                                 | 4630                 | 522     | 65000                              | 1.75                  |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 3.2                                 | 4070                 | 461     | 65000                              | 1.95                  |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 3.6                                 | 3600                 | 408     | 65000                              | 2.2                   |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 4.0                                 | 3240                 | 364     | 65000                              | 2.5                   | K<br>KF<br>KA<br>KAF                                                               | 97R57<br>97R57<br>97R57<br>97R57     | DRN<br>DRN<br>DRN<br>DRN | 90L4<br>90L4<br>90L4<br>90L4     | 195<br>215<br>180<br>205 | 713<br>713<br>713<br>713                                                            |
| 4.6                                 | 2830                 | 318     | 65000                              | 2.8                   |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 2.5                                 | 5220                 | 573     | 39600                              | 0.80                  |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 2.9                                 | 4510                 | 504     | 40000                              | 0.95                  |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 3.4                                 | 3900                 | 437     | 40000                              | 1.10                  |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 3.8                                 | 3440                 | 382     | 40000                              | 1.25                  |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 4.3                                 | 3040                 | 342     | 40000                              | 1.40                  |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 4.8                                 | 2770                 | 305     | 40000                              | 1.55                  |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 5.7                                 | 2340                 | 258     | 40000                              | 1.85                  | K<br>KF<br>KA<br>KAF                                                               | 87R57<br>87R57<br>87R57<br>87R57     | DRN<br>DRN<br>DRN<br>DRN | 90L4<br>90L4<br>90L4<br>90L4     | 135<br>145<br>125<br>135 | 713<br>713<br>713<br>713                                                            |
| 6.3                                 | 2100                 | 232     | 40000                              | 2.0                   |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 7.3                                 | 1800                 | 199     | 40000                              | 2.4                   |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 4.4                                 | 2950                 | 330     | 27000                              | 0.90                  |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 5.0                                 | 2650                 | 294     | 27400                              | 1.00                  |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 5.8                                 | 2270                 | 250     | 27800                              | 1.20                  |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 6.2                                 | 2140                 | 236     | 27900                              | 1.25                  |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 7.3                                 | 1820                 | 201     | 28200                              | 1.50                  |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 8.0                                 | 1650                 | 183     | 28400                              | 1.65                  | K<br>KF<br>KA<br>KAF                                                               | 97<br>97<br>97<br>97                 | DRN<br>DRN<br>DRN<br>DRN | 100L6<br>100L6<br>100L6<br>100L6 | 185<br>205<br>165<br>190 | 681<br>682<br>684<br>682                                                            |
| 5.5                                 | 2620                 | 176.05* | 40000                              | 1.65                  |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 6.3                                 | 2280                 | 153.21* | 40000                              | 1.90                  |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 6.8                                 | 2090                 | 140.28  | 40000                              | 2.1                   |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 7.8                                 | 1840                 | 123.93* | 40000                              | 2.3                   | K<br>KF<br>KA<br>KAF                                                               | 97<br>97<br>97<br>97                 | DRN<br>DRN<br>DRN<br>DRN | 90L4<br>90L4<br>90L4<br>90L4     | 170<br>190<br>155<br>180 | 681<br>682<br>684<br>682                                                            |
| 8.3                                 | 1720                 | 176.05* | 40000                              | 2.5                   |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 9.5                                 | 1500                 | 153.21* | 40000                              | 2.9                   |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 10                                  | 1370                 | 140.28  | 40000                              | 3.1                   |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 12                                  | 1210                 | 123.93* | 40000                              | 3.5                   | K<br>KF<br>KA<br>KAF                                                               | 87<br>87<br>87<br>87                 | DRN<br>DRN<br>DRN<br>DRN | 100L6<br>100L6<br>100L6<br>100L6 | 125<br>135<br>110<br>125 | 674<br>675<br>677<br>675                                                            |
| 6.5                                 | 2190                 | 147.32* | 27900                              | 1.25                  |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 7.6                                 | 1890                 | 126.91* | 28200                              | 1.45                  |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 8.3                                 | 1720                 | 115.82  | 28300                              | 1.55                  |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 9.4                                 | 1530                 | 102.71* | 28400                              | 1.75                  |                                                                                    |                                      |                          |                                  |                          |                                                                                     |

| P <sub>m</sub> = 1.5 kW             |                      |         |                                    |                       |                                                                                    |    |     |       |         |                                                                                     |
|-------------------------------------|----------------------|---------|------------------------------------|-----------------------|------------------------------------------------------------------------------------|----|-----|-------|---------|-------------------------------------------------------------------------------------|
| n <sub>a</sub><br>min <sup>-1</sup> | M <sub>a</sub><br>Nm | i       | F <sub>Ra</sub> <sup>1)</sup><br>N | SEW<br>f <sub>B</sub> |  |    |     |       | m<br>kg |  |
| 8.4                                 | 1700                 | 174.19  | 28300                              | 1.60                  | K<br>KF<br>KA<br>KAF                                                               | 87 | DRN | 90L4  | 110     | 674                                                                                 |
| 8.9                                 | 1610                 | 164.34* | 28400                              | 1.70                  |                                                                                    |    |     |       |         |                                                                                     |
| 9.9                                 | 1440                 | 147.32* | 28500                              | 1.85                  |                                                                                    |    |     |       |         |                                                                                     |
| 12                                  | 1240                 | 126.91* | 28600                              | 2.2                   |                                                                                    |    |     |       |         |                                                                                     |
| 13                                  | 1130                 | 115.82  | 28700                              | 2.4                   |                                                                                    |    |     |       |         |                                                                                     |
| 14                                  | 1000                 | 102.71* | 28800                              | 2.7                   |                                                                                    |    |     |       |         |                                                                                     |
| 17                                  | 840                  | 86.34   | 28900                              | 3.2                   |                                                                                    |    |     |       |         |                                                                                     |
| 8.5                                 | 1690                 | 113.56  | 14300                              | 0.90                  | K                                                                                  | 77 | DRN | 100L6 | 88      | 667                                                                                 |
| 9.9                                 | 1440                 | 97.05   | 16100                              | 1.05                  | KF                                                                                 | 77 | DRN | 100L6 | 96      | 668                                                                                 |
| 11                                  | 1320                 | 88.97   | 16800                              | 1.15                  | KA                                                                                 | 77 | DRN | 100L6 | 80      | 670                                                                                 |
| 12                                  | 1160                 | 78.07   | 17600                              | 1.35                  | KAF                                                                                | 77 | DRN | 100L6 | 88      | 668                                                                                 |
| 11                                  | 1320                 | 135.28  | 16800                              | 1.15                  | K                                                                                  | 77 | DRN | 90L4  | 77      | 667                                                                                 |
| 11                                  | 1260                 | 128.52  | 17100                              | 1.25                  | KF                                                                                 | 77 | DRN | 90L4  | 85      | 668                                                                                 |
| 13                                  | 1110                 | 113.56  | 17800                              | 1.40                  | KA                                                                                 | 77 | DRN | 90L4  | 69      | 670                                                                                 |
| 15                                  | 950                  | 97.05   | 18500                              | 1.65                  | KAF                                                                                | 77 | DRN | 90L4  | 77      | 668                                                                                 |
| 16                                  | 870                  | 88.97   | 18800                              | 1.80                  |                                                                                    |    |     |       |         |                                                                                     |
| 19                                  | 765                  | 78.07   | 19100                              | 2.0                   | K<br>KF<br>KA<br>KAF                                                               | 77 | DRN | 90L4  | 77      | 667                                                                                 |
| 20                                  | 725                  | 73.99   | 19200                              | 2.1                   |                                                                                    |    |     |       |         |                                                                                     |
| 23                                  | 630                  | 64.75   | 19400                              | 2.4                   |                                                                                    |    |     |       |         |                                                                                     |
| 25                                  | 570                  | 58.34   | 19600                              | 2.7                   |                                                                                    |    |     |       |         |                                                                                     |
| 29                                  | 500                  | 51.18   | 19700                              | 3.1                   |                                                                                    |    |     |       |         |                                                                                     |
| 32                                  | 440                  | 45.16   | 19800                              | 3.5                   |                                                                                    |    |     |       |         |                                                                                     |
| 36                                  | 390                  | 40.04   | 19900                              | 4.0                   |                                                                                    |    |     |       |         |                                                                                     |
| 16                                  | 880                  | 90.04   | 9710                               | 0.95                  | K<br>KF<br>KA<br>KAF                                                               | 67 | DRN | 90L4  | 52      | 660                                                                                 |
| 19                                  | 745                  | 76.37   | 10900                              | 1.10                  |                                                                                    |    |     |       |         |                                                                                     |
| 21                                  | 675                  | 68.95   | 11400                              | 1.20                  |                                                                                    |    |     |       |         |                                                                                     |
| 24                                  | 590                  | 60.66   | 11900                              | 1.40                  |                                                                                    |    |     |       |         |                                                                                     |
| 26                                  | 560                  | 57.28   | 12100                              | 1.45                  |                                                                                    |    |     |       |         |                                                                                     |
| 30                                  | 475                  | 48.77   | 12500                              | 1.70                  |                                                                                    |    |     |       |         |                                                                                     |
| 33                                  | 430                  | 44.32   | 12700                              | 1.90                  | K<br>KF<br>KA<br>KAF                                                               | 67 | DRN | 90L4  | 52      | 660                                                                                 |
| 38                                  | 375                  | 38.39   | 12900                              | 2.1                   |                                                                                    |    |     |       |         |                                                                                     |
| 41                                  | 345                  | 35.62   | 13000                              | 2.4                   |                                                                                    |    |     |       |         |                                                                                     |
| 48                                  | 295                  | 30.22   | 13000                              | 2.8                   |                                                                                    |    |     |       |         |                                                                                     |
| 54                                  | 265                  | 27.28   | 13000                              | 3.1                   |                                                                                    |    |     |       |         |                                                                                     |
| 61                                  | 235                  | 24.00   | 13000                              | 3.4                   |                                                                                    |    |     |       |         |                                                                                     |
| 24                                  | 595                  | 60.81*  | 7660                               | 1.00                  | K                                                                                  | 57 | DRN | 90L4  | 46      | 654                                                                                 |
| 25                                  | 560                  | 57.42*  | 7930                               | 1.05                  | KF                                                                                 | 57 | DRN | 90L4  | 51      | 655                                                                                 |
| 30                                  | 475                  | 48.89   | 8520                               | 1.25                  | KA                                                                                 | 57 | DRN | 90L4  | 44      | 656                                                                                 |
| 33                                  | 435                  | 44.43   | 8720                               | 1.40                  | KAF                                                                                | 57 | DRN | 90L4  | 50      | 655                                                                                 |
| 38                                  | 375                  | 38.49   | 8980                               | 1.60                  | K<br>KF<br>KA<br>KAF                                                               | 57 | DRN | 90L4  | 46      | 654                                                                                 |
| 41                                  | 350                  | 35.70   | 9090                               | 1.70                  |                                                                                    |    |     |       |         |                                                                                     |
| 48                                  | 295                  | 30.28   | 9130                               | 2.0                   |                                                                                    |    |     |       |         |                                                                                     |
| 53                                  | 265                  | 27.34   | 8950                               | 2.2                   |                                                                                    |    |     |       |         |                                                                                     |
| 61                                  | 235                  | 24.05   | 8710                               | 2.5                   |                                                                                    |    |     |       |         |                                                                                     |
| 64                                  | 220                  | 22.71   | 8600                               | 2.7                   |                                                                                    |    |     |       |         |                                                                                     |
| 76                                  | 190                  | 19.34   | 8300                               | 3.0                   |                                                                                    |    |     |       |         |                                                                                     |
| 28                                  | 515                  | 52.94   | 8280                               | 0.95                  | K<br>KF<br>KA<br>KAF                                                               | 49 | DRN | 90L4  | 51      | 650                                                                                 |
| 29                                  | 490                  | 50.29   | 8260                               | 1.00                  |                                                                                    |    |     |       |         |                                                                                     |
| 33                                  | 435                  | 44.44   | 8200                               | 1.15                  |                                                                                    |    |     |       |         |                                                                                     |
| 38                                  | 370                  | 37.98   | 8080                               | 1.35                  |                                                                                    |    |     |       |         |                                                                                     |
| 42                                  | 340                  | 34.81   | 7990                               | 1.45                  |                                                                                    |    |     |       |         |                                                                                     |
| 48                                  | 295                  | 30.55   | 7850                               | 1.65                  |                                                                                    |    |     |       |         |                                                                                     |
| 50                                  | 280                  | 28.95   | 7780                               | 1.75                  |                                                                                    |    |     |       |         |                                                                                     |
| 58                                  | 245                  | 25.34   | 7610                               | 2.0                   |                                                                                    |    |     |       |         |                                                                                     |
| 64                                  | 220                  | 22.83   | 7470                               | 2.2                   |                                                                                    |    |     |       |         |                                                                                     |
| 73                                  | 196                  | 20.03   | 7280                               | 2.5                   |                                                                                    |    |     |       |         |                                                                                     |
| 83                                  | 173                  | 17.67   | 7090                               | 2.9                   |                                                                                    |    |     |       |         |                                                                                     |
| 93                                  | 154                  | 15.67   | 6900                               | 3.2                   |                                                                                    |    |     |       |         |                                                                                     |
| 109                                 | 131                  | 13.38   | 6650                               | 3.6                   |                                                                                    |    |     |       |         |                                                                                     |
| 37                                  | 385                  | 39.61   | 6080                               | 1.05                  |                                                                                    |    |     |       |         |                                                                                     |
| 41                                  | 345                  | 35.39   | 6340                               | 1.15                  | KF                                                                                 | 47 | DRN | 90L4  | 44      | 645                                                                                 |
| 47                                  | 305                  | 31.30   | 6290                               | 1.30                  | KA                                                                                 | 47 | DRN | 90L4  | 39      | 646                                                                                 |
|                                     |                      |         |                                    |                       | KAF                                                                                | 47 | DRN | 90L4  | 42      | 645                                                                                 |

| P <sub>m</sub> = 1.5 kW             |                      |       |                                    |                       |                                                                                    |    |     |      |         |                                                                                     |
|-------------------------------------|----------------------|-------|------------------------------------|-----------------------|------------------------------------------------------------------------------------|----|-----|------|---------|-------------------------------------------------------------------------------------|
| n <sub>a</sub><br>min <sup>-1</sup> | M <sub>a</sub><br>Nm | i     | F <sub>Ra</sub> <sup>1)</sup><br>N | SEW<br>f <sub>B</sub> |  |    |     |      | m<br>kg |  |
| 50                                  | 285                  | 29.32 | 6250                               | 1.40                  | K<br>KF<br>KA<br>KAF                                                               | 47 | DRN | 90L4 | 40      | 644                                                                                 |
| 56                                  | 250                  | 25.91 | 6160                               | 1.55                  |                                                                                    |    |     |      |         |                                                                                     |
| 67                                  | 210                  | 21.81 | 6020                               | 1.85                  |                                                                                    |    |     |      |         |                                                                                     |
| 75                                  | 192                  | 19.58 | 5920                               | 2.1                   |                                                                                    |    |     |      |         |                                                                                     |
| 87                                  | 165                  | 16.86 | 5760                               | 2.3                   |                                                                                    |    |     |      |         |                                                                                     |
| 92                                  | 155                  | 15.86 | 5690                               | 2.4                   |                                                                                    |    |     |      |         |                                                                                     |
| 107                                 | 134                  | 13.65 | 5520                               | 2.7                   |                                                                                    |    |     |      |         |                                                                                     |
| 120                                 | 120                  | 12.19 | 5390                               | 2.9                   |                                                                                    |    |     |      |         |                                                                                     |
| 124                                 | 115                  | 11.77 | 5300                               | 2.4                   |                                                                                    |    |     |      |         |                                                                                     |
| 40                                  | 355                  | 36.22 | 5840                               | 0.85                  | K<br>KF<br>KA<br>KAF                                                               | 39 | DRN | 90L4 | 39      | 640                                                                                 |
| 48                                  | 300                  | 30.72 | 5830                               | 1.00                  |                                                                                    |    |     |      |         |                                                                                     |
| 53                                  | 270                  | 27.73 | 5800                               | 1.10                  |                                                                                    |    |     |      |         |                                                                                     |
| 60                                  | 235                  | 24.40 | 5740                               | 1.25                  |                                                                                    |    |     |      |         |                                                                                     |
| 63                                  | 225                  | 23.04 | 5700                               | 1.35                  |                                                                                    |    |     |      |         |                                                                                     |
| 74                                  | 192                  | 19.62 | 5600                               | 1.55                  |                                                                                    |    |     |      |         |                                                                                     |
| 82                                  | 175                  | 17.83 | 5520                               | 1.65                  |                                                                                    |    |     |      |         |                                                                                     |
| 95                                  | 151                  | 15.44 | 5390                               | 1.85                  |                                                                                    |    |     |      |         |                                                                                     |
| 109                                 | 132                  | 13.44 | 5260                               | 2.0                   |                                                                                    |    |     |      |         |                                                                                     |
| 115                                 | 125                  | 12.73 | 5560                               | 2.0                   |                                                                                    |    |     |      |         |                                                                                     |
| 121                                 | 119                  | 12.09 | 5490                               | 2.1                   |                                                                                    |    |     |      |         |                                                                                     |
| 138                                 | 104                  | 10.61 | 5310                               | 2.7                   |                                                                                    |    |     |      |         |                                                                                     |
| 162                                 | 88                   | 9.00  | 5080                               | 3.4                   |                                                                                    |    |     |      |         |                                                                                     |
| 180                                 | 80                   | 8.12  | 4950                               | 3.8                   |                                                                                    |    |     |      |         |                                                                                     |
| 63                                  | 225                  | 23.36 | 2880                               | 0.85                  | K<br>KF<br>KA<br>KAF                                                               | 37 | DRN | 90L4 | 33      | 634                                                                                 |
| 72                                  | 198                  | 20.19 | 2920                               | 0.95                  |                                                                                    |    |     |      |         |                                                                                     |
| 85                                  | 168                  | 17.15 | 2950                               | 1.05                  |                                                                                    |    |     |      |         |                                                                                     |
| 95                                  | 150                  | 15.31 | 2940                               | 1.15                  |                                                                                    |    |     |      |         |                                                                                     |
| 112                                 | 128                  | 13.08 | 2920                               | 1.30                  |                                                                                    |    |     |      |         |                                                                                     |
| 120                                 | 119                  | 12.14 | 2910                               | 1.35                  |                                                                                    |    |     |      |         |                                                                                     |
| 139                                 | 103                  | 10.49 | 2870                               | 1.55                  |                                                                                    |    |     |      |         |                                                                                     |
| 164                                 | 87                   | 8.91  | 2810                               | 1.85                  |                                                                                    |    |     |      |         |                                                                                     |
| 184                                 | 78                   | 7.96  | 2760                               | 2.0                   |                                                                                    |    |     |      |         |                                                                                     |
| 215                                 | 67                   | 6.80  | 2680                               | 2.2                   |                                                                                    |    |     |      |         |                                                                                     |
| 229                                 | 62                   | 6.37  | 2650                               | 2.3                   |                                                                                    |    |     |      |         |                                                                                     |
| 272                                 | 53                   | 5.36  | 2560                               | 2.7                   |                                                                                    |    |     |      |         |                                                                                     |
| 367                                 | 39                   | 3.98  | 2400                               | 3.2                   |                                                                                    |    |     |      |         |                                                                                     |
| 90                                  | 160                  | 16.29 | 2910                               | 0.80                  |                                                                                    |    |     |      |         |                                                                                     |
| 108                                 | 132                  | 13.47 | 2890                               | 1.00                  |                                                                                    |    |     |      |         |                                                                                     |
| 122                                 | 117                  | 11.94 | 2860                               | 1.10                  |                                                                                    |    |     |      |         |                                                                                     |
| 159                                 | 90                   | 9.17  | 2780                               | 1.45                  |                                                                                    |    |     |      |         |                                                                                     |
| 171                                 | 84                   | 8.53  | 2940                               | 1.45                  |                                                                                    |    |     |      |         |                                                                                     |
| 195                                 | 73                   | 7.48  | 2690                               | 1.70                  |                                                                                    |    |     |      |         |                                                                                     |
| 210                                 | 68                   | 6.95  | 2820                               | 1.65                  |                                                                                    |    |     |      |         |                                                                                     |
| 254                                 | 56                   | 5.75  | 2690                               | 2.0                   |                                                                                    |    |     |      |         |                                                                                     |
| 287                                 | 50                   | 5.10  | 2620                               | 2.2                   |                                                                                    |    |     |      |         |                                                                                     |
| 373                                 | 38                   | 3.92  | 2440                               | 3.3                   |                                                                                    |    |     |      |         |                                                                                     |
| 458                                 | 31                   | 3.19  | 2310                               | 3.5                   |                                                                                    |    |     |      |         |                                                                                     |

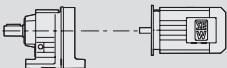
| P <sub>m</sub> = 2.2 kW             |                      |      |                                    |                       |         |                                                                                      |     |        |         |                                                                                       |
|-------------------------------------|----------------------|------|------------------------------------|-----------------------|---------|--------------------------------------------------------------------------------------|-----|--------|---------|---------------------------------------------------------------------------------------|
| n <sub>a</sub><br>min <sup>-1</sup> | M <sub>a</sub><br>Nm | i    | F <sub>Ra</sub> <sup>1)</sup><br>N | SEW<br>f <sub>B</sub> |         |  |     |        | m<br>kg |  |
| 0.30                                | 61700                | 4817 | 190000                             | 0.85                  | K<br>KH | 187R97                                                                               | DRN | 100LS4 | 1780    | 713                                                                                   |
| 0.33                                | 56000                | 4370 | 190000                             | 0.95                  |         |                                                                                      |     |        | 1720    | 713                                                                                   |
| 0.51                                | 35200                | 2818 | 190000                             | 1.50                  |         |                                                                                      |     |        |         |                                                                                       |
| 0.40                                | 47600                | 3609 | 190000                             | 1.10                  | K<br>KH | 187R97                                                                               | DRN | 100LS4 | 1780    | 713                                                                                   |
| 0.47                                | 40300                | 3062 | 190000                             | 1.30                  |         |                                                                                      |     |        |         |                                                                                       |
| 0.58                                | 32900                | 2519 | 190000                             | 1.60                  |         |                                                                                      |     |        |         |                                                                                       |
| 0.64                                | 29500                | 2268 | 190000                             | 1.80                  |         |                                                                                      |     |        |         |                                                                                       |
| 0.71                                | 26600                | 2054 | 190000                             | 2.0                   |         |                                                                                      |     |        |         |                                                                                       |
| 0.80                                | 23400                | 1821 | 190000                             | 2.3                   |         |                                                                                      |     |        |         |                                                                                       |
| 0.90                                | 20800                | 1605 | 190000                             | 2.5                   |         |                                                                                      |     |        |         |                                                                                       |
| 0.43                                | 43900                | 3376 | 150000                             | 0.80                  | K<br>KH | 167R97                                                                               | DRN | 100LS4 | 1200    | 713                                                                                   |
| 0.53                                | 35600                | 2755 | 150000                             | 1.00                  |         |                                                                                      |     |        | 1160    | 713                                                                                   |
| 0.64                                | 28600                | 2263 | 150000                             | 1.20                  |         |                                                                                      |     |        |         |                                                                                       |

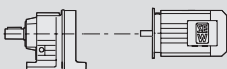
| P <sub>m</sub> = 2.2 kW             |                      |         |                                    |                       |                                                                                    |                                      |                          |                                      |                          |                                                                                     |
|-------------------------------------|----------------------|---------|------------------------------------|-----------------------|------------------------------------------------------------------------------------|--------------------------------------|--------------------------|--------------------------------------|--------------------------|-------------------------------------------------------------------------------------|
| n <sub>a</sub><br>min <sup>-1</sup> | M <sub>a</sub><br>Nm | i       | F <sub>Ra</sub> <sup>1)</sup><br>N | SEW<br>f <sub>B</sub> |  |                                      |                          |                                      | m<br>kg                  |  |
| 0.66                                | 28800                | 2182    | 150000                             | 1.20                  | K<br>KH                                                                            | 167R97<br>167R97                     | DRN<br>DRN               | 100LS4<br>100LS4                     | 1200<br>1160             | 713<br>713                                                                          |
| 0.85                                | 22400                | 1704    | 150000                             | 1.55                  |                                                                                    |                                      |                          |                                      |                          |                                                                                     |
| 1.0                                 | 18500                | 1408    | 150000                             | 1.90                  |                                                                                    |                                      |                          |                                      |                          |                                                                                     |
| 1.1                                 | 17000                | 1296    | 150000                             | 2.0                   |                                                                                    |                                      |                          |                                      |                          |                                                                                     |
| 1.3                                 | 14100                | 1101    | 150000                             | 2.5                   |                                                                                    |                                      |                          |                                      |                          |                                                                                     |
| 1.5                                 | 12200                | 944     | 150000                             | 2.9                   |                                                                                    |                                      |                          |                                      |                          |                                                                                     |
| 0.87                                | 21800                | 1659    | 110000                             | 0.90                  | K<br>KF<br>KA<br>KAF                                                               | 157R97<br>157R97<br>157R97<br>157R97 | DRN<br>DRN<br>DRN<br>DRN | 100LS4<br>100LS4<br>100LS4<br>100LS4 | 800<br>880<br>770<br>830 | 713<br>713<br>713<br>713                                                            |
| 1.1                                 | 17800                | 1365    | 112200                             | 1.10                  |                                                                                    |                                      |                          |                                      |                          |                                                                                     |
| 1.2                                 | 16000                | 1229    | 113100                             | 1.25                  |                                                                                    |                                      |                          |                                      |                          |                                                                                     |
| 1.3                                 | 14200                | 1093    | 113900                             | 1.40                  |                                                                                    |                                      |                          |                                      |                          |                                                                                     |
| 1.5                                 | 12200                | 942     | 114600                             | 1.65                  |                                                                                    |                                      |                          |                                      |                          |                                                                                     |
| 1.7                                 | 11000                | 854     | 115000                             | 1.80                  |                                                                                    |                                      |                          |                                      |                          |                                                                                     |
| 1.9                                 | 9570                 | 756     | 115400                             | 2.1                   |                                                                                    |                                      |                          |                                      |                          |                                                                                     |
| 2.7                                 | 6980                 | 536     | 81800                              | 1.85                  | K<br>KF<br>KA<br>KAF                                                               | 127R87<br>127R87<br>127R87<br>127R87 | DRN<br>DRN<br>DRN<br>DRN | 100LS4<br>100LS4<br>100LS4<br>100LS4 | 510<br>550<br>480<br>520 | 713<br>713<br>713<br>713                                                            |
| 3.1                                 | 6110                 | 473     | 82000                              | 2.1                   |                                                                                    |                                      |                          |                                      |                          |                                                                                     |
| 3.5                                 | 5500                 | 418     | 82200                              | 2.4                   |                                                                                    |                                      |                          |                                      |                          |                                                                                     |
| 4.0                                 | 4830                 | 367     | 82300                              | 2.7                   |                                                                                    |                                      |                          |                                      |                          |                                                                                     |
| 4.4                                 | 4320                 | 330     | 82400                              | 3.0                   |                                                                                    |                                      |                          |                                      |                          |                                                                                     |
| 1.4                                 | 13600                | 1025    | 78600                              | 0.95                  | K<br>KF<br>KA<br>KAF                                                               | 127R77<br>127R77<br>127R77<br>127R77 | DRN<br>DRN<br>DRN<br>DRN | 100LS4<br>100LS4<br>100LS4<br>100LS4 | 490<br>530<br>460<br>500 | 713<br>713<br>713<br>713                                                            |
| 1.6                                 | 11900                | 899     | 79700                              | 1.10                  |                                                                                    |                                      |                          |                                      |                          |                                                                                     |
| 1.8                                 | 10400                | 790     | 80500                              | 1.25                  |                                                                                    |                                      |                          |                                      |                          |                                                                                     |
| 2.1                                 | 9360                 | 704     | 80900                              | 1.40                  |                                                                                    |                                      |                          |                                      |                          |                                                                                     |
| 2.4                                 | 8090                 | 610     | 81400                              | 1.60                  |                                                                                    |                                      |                          |                                      |                          |                                                                                     |
| 2.6                                 | 7290                 | 549     | 81700                              | 1.80                  |                                                                                    |                                      |                          |                                      |                          |                                                                                     |
| 3.0                                 | 6300                 | 477     | 82000                              | 2.1                   |                                                                                    |                                      |                          |                                      |                          |                                                                                     |
| 3.5                                 | 5550                 | 418     | 82200                              | 2.3                   |                                                                                    |                                      |                          |                                      |                          |                                                                                     |
| 2.4                                 | 8150                 | 615     | 65000                              | 1.00                  | K<br>KF<br>KA<br>KAF                                                               | 107R77<br>107R77<br>107R77<br>107R77 | DRN<br>DRN<br>DRN<br>DRN | 100LS4<br>100LS4<br>100LS4<br>100LS4 | 330<br>340<br>300<br>325 | 713<br>713<br>713<br>713                                                            |
| 2.8                                 | 6910                 | 522     | 65000                              | 1.15                  |                                                                                    |                                      |                          |                                      |                          |                                                                                     |
| 3.1                                 | 6080                 | 461     | 65000                              | 1.30                  |                                                                                    |                                      |                          |                                      |                          |                                                                                     |
| 3.5                                 | 5380                 | 408     | 65000                              | 1.50                  |                                                                                    |                                      |                          |                                      |                          |                                                                                     |
| 4.0                                 | 4830                 | 364     | 65000                              | 1.65                  |                                                                                    |                                      |                          |                                      |                          |                                                                                     |
| 4.6                                 | 4220                 | 318     | 65000                              | 1.90                  |                                                                                    |                                      |                          |                                      |                          |                                                                                     |
| 5.1                                 | 3800                 | 286     | 65000                              | 2.1                   |                                                                                    |                                      |                          |                                      |                          |                                                                                     |
| 5.8                                 | 3330                 | 251     | 65000                              | 2.4                   |                                                                                    |                                      |                          |                                      |                          |                                                                                     |
| 3.8                                 | 5110                 | 382     | 39800                              | 0.85                  | K<br>KF<br>KA<br>KAF                                                               | 97R57<br>97R57<br>97R57<br>97R57     | DRN<br>DRN<br>DRN<br>DRN | 100LS4<br>100LS4<br>100LS4<br>100LS4 | 200<br>220<br>180<br>205 | 713<br>713<br>713<br>713                                                            |
| 4.2                                 | 4540                 | 342     | 40000                              | 0.95                  |                                                                                    |                                      |                          |                                      |                          |                                                                                     |
| 4.8                                 | 4120                 | 305     | 40000                              | 1.05                  |                                                                                    |                                      |                          |                                      |                          |                                                                                     |
| 5.6                                 | 3470                 | 258     | 40000                              | 1.25                  |                                                                                    |                                      |                          |                                      |                          |                                                                                     |
| 6.2                                 | 3130                 | 232     | 40000                              | 1.35                  |                                                                                    |                                      |                          |                                      |                          |                                                                                     |
| 7.3                                 | 2680                 | 199     | 40000                              | 1.60                  |                                                                                    |                                      |                          |                                      |                          |                                                                                     |
| 6.3                                 | 3300                 | 153.21* | 40000                              | 1.30                  | K<br>KF<br>KA<br>KAF                                                               | 97<br>97<br>97<br>97                 | DRN<br>DRN<br>DRN<br>DRN | 112M6<br>112M6<br>112M6<br>112M6     | 190<br>210<br>175<br>200 | 681<br>682<br>684<br>682                                                            |
| 6.9                                 | 3020                 | 140.28  | 40000                              | 1.40                  |                                                                                    |                                      |                          |                                      |                          |                                                                                     |
| 7.8                                 | 2670                 | 123.93* | 40000                              | 1.60                  |                                                                                    |                                      |                          |                                      |                          |                                                                                     |
|                                     |                      |         |                                    |                       |                                                                                    |                                      |                          |                                      |                          |                                                                                     |
| 9.3                                 | 2260                 | 105.13  | 40000                              | 1.90                  | K<br>KF<br>KA<br>KAF                                                               | 97<br>97<br>97<br>97                 | DRN<br>DRN<br>DRN<br>DRN | 112M6<br>112M6<br>112M6<br>112M6     | 190<br>210<br>175<br>200 | 681<br>682<br>684<br>682                                                            |
|                                     |                      |         |                                    |                       |                                                                                    |                                      |                          |                                      |                          |                                                                                     |
|                                     |                      |         |                                    |                       |                                                                                    |                                      |                          |                                      |                          |                                                                                     |
|                                     |                      |         |                                    |                       |                                                                                    |                                      |                          |                                      |                          |                                                                                     |
| 8.2                                 | 2550                 | 176.05* | 40000                              | 1.70                  | K<br>KF<br>KA<br>KAF                                                               | 97<br>97<br>97<br>97                 | DRN<br>DRN<br>DRN<br>DRN | 100LS4<br>100LS4<br>100LS4<br>100LS4 | 175<br>195<br>160<br>185 | 681<br>682<br>684<br>682                                                            |
| 9.5                                 | 2210                 | 153.21* | 40000                              | 1.95                  |                                                                                    |                                      |                          |                                      |                          |                                                                                     |
| 10                                  | 2030                 | 140.28  | 40000                              | 2.1                   |                                                                                    |                                      |                          |                                      |                          |                                                                                     |
| 12                                  | 1790                 | 123.93* | 40000                              | 2.4                   |                                                                                    |                                      |                          |                                      |                          |                                                                                     |
| 14                                  | 1520                 | 105.13  | 40000                              | 2.8                   | K<br>KF<br>KA<br>KAF                                                               | 97<br>97<br>97<br>97                 | DRN<br>DRN<br>DRN<br>DRN | 100LS4<br>100LS4<br>100LS4<br>100LS4 | 175<br>195<br>160<br>185 | 681<br>682<br>684<br>682                                                            |
| 15                                  | 1400                 | 96.80   | 40000                              | 3.1                   |                                                                                    |                                      |                          |                                      |                          |                                                                                     |
|                                     |                      |         |                                    |                       |                                                                                    |                                      |                          |                                      |                          |                                                                                     |
|                                     |                      |         |                                    |                       |                                                                                    |                                      |                          |                                      |                          |                                                                                     |
| 9.8                                 | 2130                 | 147.32* | 27900                              | 1.25                  | K<br>KF<br>KA<br>KAF                                                               | 87<br>87<br>87<br>87                 | DRN<br>DRN<br>DRN<br>DRN | 100LS4<br>100LS4<br>100LS4<br>100LS4 | 115<br>125<br>105<br>120 | 674<br>675<br>677<br>675                                                            |
| 11                                  | 1830                 | 126.91* | 28200                              | 1.45                  |                                                                                    |                                      |                          |                                      |                          |                                                                                     |
| 13                                  | 1670                 | 115.82  | 28300                              | 1.60                  |                                                                                    |                                      |                          |                                      |                          |                                                                                     |
|                                     |                      |         |                                    |                       |                                                                                    |                                      |                          |                                      |                          |                                                                                     |
| 14                                  | 1480                 | 102.71* | 28500                              | 1.80                  | K<br>KF<br>KA<br>KAF                                                               | 87<br>87<br>87<br>87                 | DRN<br>DRN<br>DRN<br>DRN | 100LS4<br>100LS4<br>100LS4<br>100LS4 | 115<br>125<br>105<br>120 | 674<br>675<br>677<br>675                                                            |
| 17                                  | 1250                 | 86.34   | 28600                              | 2.2                   |                                                                                    |                                      |                          |                                      |                          |                                                                                     |
| 18                                  | 1140                 | 79.34   | 28700                              | 2.4                   |                                                                                    |                                      |                          |                                      |                          |                                                                                     |
| 21                                  | 1020                 | 70.46   | 28800                              | 2.6                   |                                                                                    |                                      |                          |                                      |                          |                                                                                     |
| 23                                  | 910                  | 63.00*  | 28800                              | 3.0                   |                                                                                    |                                      |                          |                                      |                          |                                                                                     |

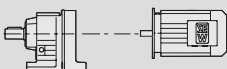
| P <sub>m</sub> = 2.2 kW             |                      |        |                                    |                       |                                                                                    |    |     |        |         |                                                                                     |
|-------------------------------------|----------------------|--------|------------------------------------|-----------------------|------------------------------------------------------------------------------------|----|-----|--------|---------|-------------------------------------------------------------------------------------|
| n <sub>a</sub><br>min <sup>-1</sup> | M <sub>a</sub><br>Nm | i      | F <sub>Ra</sub> <sup>1)</sup><br>N | SEW<br>f <sub>B</sub> |  |    |     |        | m<br>kg |  |
| 13                                  | 1640                 | 113.56 | 14700                              | 0.95                  | K<br>KF<br>KA<br>KAF                                                               | 77 | DRN | 100LS4 | 81      | 667                                                                                 |
| 15                                  | 1400                 | 97.05  | 16300                              | 1.10                  |                                                                                    |    |     |        |         |                                                                                     |
| 16                                  | 1280                 | 88.97  | 17000                              | 1.20                  |                                                                                    |    |     |        |         |                                                                                     |
| 19                                  | 1130                 | 78.07  | 17800                              | 1.35                  |                                                                                    |    |     |        |         |                                                                                     |
| 20                                  | 1070                 | 73.99  | 18000                              | 1.45                  |                                                                                    |    |     |        |         |                                                                                     |
| 22                                  | 930                  | 64.75  | 18500                              | 1.65                  |                                                                                    |    |     |        |         |                                                                                     |
| 25                                  | 840                  | 58.34  | 18800                              | 1.85                  | K<br>KF<br>KA<br>KAF                                                               | 77 | DRN | 100LS4 | 81      | 667                                                                                 |
| 28                                  | 740                  | 51.18  | 19200                              | 2.1                   |                                                                                    |    |     |        |         |                                                                                     |
| 32                                  | 650                  | 45.16  | 19400                              | 2.4                   |                                                                                    |    |     |        |         |                                                                                     |
| 36                                  | 580                  | 40.04  | 19500                              | 2.7                   |                                                                                    |    |     |        |         |                                                                                     |
| 41                                  | 505                  | 35.20  | 19700                              | 3.0                   |                                                                                    |    |     |        |         |                                                                                     |
| 47                                  | 445                  | 30.89  | 19800                              | 3.5                   |                                                                                    |    |     |        |         |                                                                                     |
| 50                                  | 420                  | 29.27  | 19800                              | 3.7                   |                                                                                    |    |     |        |         |                                                                                     |
| 57                                  | 370                  | 25.62  | 19900                              | 4.2                   |                                                                                    |    |     |        |         |                                                                                     |
| 24                                  | 870                  | 60.66  | 9750                               | 0.95                  | K<br>KF<br>KA<br>KAF                                                               | 67 | DRN | 100LS4 | 56      | 660                                                                                 |
| 25                                  | 820                  | 57.28  | 10200                              | 1.00                  |                                                                                    |    |     |        |         |                                                                                     |
| 30                                  | 705                  | 48.77  | 11200                              | 1.15                  |                                                                                    |    |     |        |         |                                                                                     |
| 33                                  | 640                  | 44.32  | 11600                              | 1.30                  |                                                                                    |    |     |        |         |                                                                                     |
| 38                                  | 555                  | 38.39  | 12100                              | 1.45                  |                                                                                    |    |     |        |         |                                                                                     |
| 41                                  | 515                  | 35.62  | 12300                              | 1.60                  |                                                                                    |    |     |        |         |                                                                                     |
| 48                                  | 435                  | 30.22  | 12700                              | 1.85                  |                                                                                    |    |     |        |         |                                                                                     |
| 53                                  | 395                  | 27.28  | 12800                              | 2.1                   | K<br>KF<br>KA<br>KAF                                                               | 67 | DRN | 100LS4 | 56      | 660                                                                                 |
| 60                                  | 345                  | 24.00  | 13000                              | 2.3                   |                                                                                    |    |     |        |         |                                                                                     |
| 64                                  | 325                  | 22.66  | 13000                              | 2.4                   |                                                                                    |    |     |        |         |                                                                                     |
| 75                                  | 275                  | 19.30  | 13000                              | 2.7                   |                                                                                    |    |     |        |         |                                                                                     |
| 83                                  | 250                  | 17.54  | 13000                              | 2.9                   |                                                                                    |    |     |        |         |                                                                                     |
| 95                                  | 220                  | 15.19  | 13000                              | 3.2                   |                                                                                    |    |     |        |         |                                                                                     |
| 110                                 | 191                  | 13.22  | 13000                              | 3.5                   |                                                                                    |    |     |        |         |                                                                                     |
| 116                                 | 181                  | 12.48  | 13000                              | 2.9                   |                                                                                    |    |     |        |         |                                                                                     |
| 136                                 | 154                  | 10.63  | 13000                              | 3.2                   |                                                                                    |    |     |        |         |                                                                                     |
| 150                                 | 140                  | 9.66   | 13000                              | 3.4                   |                                                                                    |    |     |        |         |                                                                                     |
| 173                                 | 121                  | 8.37   | 13000                              | 3.6                   |                                                                                    |    |     |        |         |                                                                                     |
| 199                                 | 105                  | 7.28   | 12700                              | 4.0                   |                                                                                    |    |     |        |         |                                                                                     |
| 279                                 | 75                   | 5.20   | 11600                              | 4.6                   |                                                                                    |    |     |        |         |                                                                                     |
| 33                                  | 640                  | 44.43  | 7040                               | 0.95                  | K<br>KF<br>KA<br>KAF                                                               | 57 | DRN | 100LS4 | 50      | 654                                                                                 |
| 38                                  | 555                  | 38.49  | 7970                               | 1.10                  |                                                                                    |    |     |        |         |                                                                                     |
| 41                                  | 515                  | 35.70  | 8290                               | 1.15                  |                                                                                    |    |     |        |         |                                                                                     |
| 48                                  | 435                  | 30.28  | 8230                               | 1.35                  |                                                                                    |    |     |        |         |                                                                                     |
| 53                                  | 395                  | 27.34  | 8140                               | 1.50                  | K<br>KF<br>KA<br>KAF                                                               | 57 | DRN | 100LS4 | 50      | 654                                                                                 |
| 60                                  | 345                  | 24.05  | 8000                               | 1.70                  |                                                                                    |    |     |        |         |                                                                                     |
| 64                                  | 325                  | 22.71  | 7930                               | 1.80                  |                                                                                    |    |     |        |         |                                                                                     |
| 75                                  | 280                  | 19.34  | 7730                               | 2.0                   |                                                                                    |    |     |        |         |                                                                                     |
| 83                                  | 250                  | 17.57  | 7590                               | 2.2                   |                                                                                    |    |     |        |         |                                                                                     |
| 95                                  | 220                  | 15.22  | 7380                               | 2.4                   |                                                                                    |    |     |        |         |                                                                                     |
| 109                                 | 192                  | 13.25  | 7170                               | 2.7                   |                                                                                    |    |     |        |         |                                                                                     |
| 122                                 | 173                  | 11.92  | 6850                               | 2.4                   |                                                                                    |    |     |        |         |                                                                                     |
| 129                                 | 163                  | 11.26  | 6770                               | 2.5                   |                                                                                    |    |     |        |         |                                                                                     |
| 38                                  | 550                  | 37.98  | 6820                               | 0.90                  | K<br>KF<br>KA<br>KAF                                                               | 49 | DRN | 100LS4 | 55      | 650                                                                                 |
| 42                                  | 500                  | 34.81  | 6840                               | 1.00                  |                                                                                    |    |     |        |         |                                                                                     |
| 47                                  | 440                  | 30.55  | 6840                               | 1.15                  |                                                                                    |    |     |        |         |                                                                                     |
| 50                                  | 415                  | 28.95  | 6830                               | 1.20                  |                                                                                    |    |     |        |         |                                                                                     |
| 57                                  | 365                  | 25.34  | 6780                               | 1.35                  |                                                                                    |    |     |        |         |                                                                                     |
| 64                                  | 330                  | 22.83  | 6720                               | 1.50                  |                                                                                    |    |     |        |         |                                                                                     |
| 72                                  | 290                  | 20.03  | 6620                               | 1.70                  |                                                                                    |    |     |        |         |                                                                                     |
| 82                                  | 255                  | 17.67  | 6510                               | 1.95                  |                                                                                    |    |     |        |         |                                                                                     |
| 93                                  | 225                  | 15.67  | 6400                               | 2.2                   |                                                                                    |    |     |        |         |                                                                                     |
| 108                                 | 194                  | 13.38  | 6220                               | 2.4                   |                                                                                    |    |     |        |         |                                                                                     |
| 128                                 | 165                  | 11.37  | 6450                               | 3.0                   |                                                                                    |    |     |        |         |                                                                                     |
| 139                                 | 151                  | 10.42  | 6310                               | 3.2                   |                                                                                    |    |     |        |         |                                                                                     |
| 159                                 | 132                  | 9.14   | 6090                               | 3.8                   |                                                                                    |    |     |        |         |                                                                                     |
| 56                                  | 375                  | 25.91  | 5260                               | 1.05                  | K<br>KF<br>KA<br>KAF                                                               | 47 | DRN | 100LS4 | 44      | 644                                                                                 |
| 66                                  | 315                  | 21.81  | 5260                               | 1.25                  |                                                                                    |    |     |        |         |                                                                                     |
| 74                                  | 280                  | 19.58  | 5240                               | 1.40                  |                                                                                    |    |     |        |         |                                                                                     |
|                                     |                      |        |                                    |                       |                                                                                    |    |     |        |         |                                                                                     |

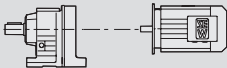
| P <sub>m</sub> = 2.2 kW             |                      |       |                                    |                       |                                                                                    |                      |                          |                                      |                      |                                                                                     |
|-------------------------------------|----------------------|-------|------------------------------------|-----------------------|------------------------------------------------------------------------------------|----------------------|--------------------------|--------------------------------------|----------------------|-------------------------------------------------------------------------------------|
| n <sub>a</sub><br>min <sup>-1</sup> | M <sub>a</sub><br>Nm | i     | F <sub>Ra</sub> <sup>1)</sup><br>N | SEW<br>f <sub>B</sub> |  |                      |                          |                                      | m<br>kg              |  |
| 86                                  | 240                  | 16.86 | 5180                               | 1.55                  | K<br>KF<br>KA<br>KAF                                                               | 47<br>47<br>47<br>47 | DRN<br>DRN<br>DRN<br>DRN | 100LS4<br>100LS4<br>100LS4<br>100LS4 | 44<br>47<br>43<br>46 | 644<br>645<br>646<br>645                                                            |
| 91                                  | 225                  | 15.86 | 5140                               | 1.65                  |                                                                                    |                      |                          |                                      |                      |                                                                                     |
| 106                                 | 198                  | 13.65 | 5050                               | 1.80                  |                                                                                    |                      |                          |                                      |                      |                                                                                     |
| 119                                 | 177                  | 12.19 | 4970                               | 2.0                   |                                                                                    |                      |                          |                                      |                      |                                                                                     |
| 123                                 | 170                  | 11.77 | 4870                               | 1.65                  |                                                                                    |                      |                          |                                      |                      |                                                                                     |
| 137                                 | 153                  | 10.56 | 4790                               | 1.85                  |                                                                                    |                      |                          |                                      |                      |                                                                                     |
| 159                                 | 132                  | 9.10  | 4660                               | 2.1                   |                                                                                    |                      |                          |                                      |                      |                                                                                     |
| 59                                  | 350                  | 24.40 | 4770                               | 0.85                  | K<br>KF<br>KA<br>KAF                                                               | 39<br>39<br>39<br>39 | DRN<br>DRN<br>DRN<br>DRN | 100LS4<br>100LS4<br>100LS4<br>100LS4 | 43<br>45<br>42<br>44 | 640<br>641<br>642<br>641                                                            |
| 63                                  | 330                  | 23.04 | 4800                               | 0.90                  |                                                                                    |                      |                          |                                      |                      |                                                                                     |
| 74                                  | 280                  | 19.62 | 4820                               | 1.05                  |                                                                                    |                      |                          |                                      |                      |                                                                                     |
| 81                                  | 255                  | 17.83 | 4820                               | 1.10                  |                                                                                    |                      |                          |                                      |                      |                                                                                     |
| 94                                  | 220                  | 15.44 | 4790                               | 1.25                  |                                                                                    |                      |                          |                                      |                      |                                                                                     |
| 108                                 | 195                  | 13.44 | 4730                               | 1.40                  |                                                                                    |                      |                          |                                      |                      |                                                                                     |
| 137                                 | 154                  | 10.61 | 5040                               | 1.85                  |                                                                                    |                      |                          |                                      |                      |                                                                                     |
| 161                                 | 130                  | 9.00  | 4860                               | 2.3                   |                                                                                    |                      |                          |                                      |                      |                                                                                     |
| 178                                 | 118                  | 8.12  | 4740                               | 2.5                   |                                                                                    |                      |                          |                                      |                      |                                                                                     |
| 203                                 | 104                  | 7.15  | 4600                               | 2.9                   |                                                                                    |                      |                          |                                      |                      |                                                                                     |
| 215                                 | 98                   | 6.75  | 4530                               | 3.1                   |                                                                                    |                      |                          |                                      |                      |                                                                                     |
| 252                                 | 83                   | 5.75  | 4350                               | 3.3                   |                                                                                    |                      |                          |                                      |                      |                                                                                     |
| 278                                 | 76                   | 5.22  | 4240                               | 3.4                   |                                                                                    |                      |                          |                                      |                      |                                                                                     |
| 320                                 | 66                   | 4.52  | 4080                               | 3.7                   |                                                                                    |                      |                          |                                      |                      |                                                                                     |
| 368                                 | 57                   | 3.94  | 3930                               | 3.8                   |                                                                                    |                      |                          |                                      |                      |                                                                                     |
| 111                                 | 190                  | 13.08 | 2380                               | 0.85                  | K<br>KF<br>KA<br>KAF                                                               | 37<br>37<br>37<br>37 | DRN<br>DRN<br>DRN<br>DRN | 100LS4<br>100LS4<br>100LS4<br>100LS4 | 37<br>40<br>37<br>39 | 634<br>635<br>636<br>635                                                            |
| 138                                 | 152                  | 10.49 | 2430                               | 1.05                  |                                                                                    |                      |                          |                                      |                      |                                                                                     |
| 163                                 | 129                  | 8.91  | 2440                               | 1.25                  |                                                                                    |                      |                          |                                      |                      |                                                                                     |
| 182                                 | 115                  | 7.96  | 2430                               | 1.35                  |                                                                                    |                      |                          |                                      |                      |                                                                                     |
| 213                                 | 98                   | 6.80  | 2400                               | 1.50                  |                                                                                    |                      |                          |                                      |                      |                                                                                     |
| 228                                 | 92                   | 6.37  | 2390                               | 1.55                  |                                                                                    |                      |                          |                                      |                      |                                                                                     |
| 270                                 | 78                   | 5.36  | 2340                               | 1.80                  |                                                                                    |                      |                          |                                      |                      |                                                                                     |
| 364                                 | 58                   | 3.98  | 2240                               | 2.2                   |                                                                                    |                      |                          |                                      |                      |                                                                                     |

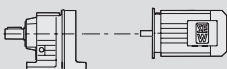
| P <sub>m</sub> = 3.0 kW             |                      |      |                                    |                       |                                                                                      |                                      |                          |                                  |                          |                                                                                       |
|-------------------------------------|----------------------|------|------------------------------------|-----------------------|--------------------------------------------------------------------------------------|--------------------------------------|--------------------------|----------------------------------|--------------------------|---------------------------------------------------------------------------------------|
| n <sub>a</sub><br>min <sup>-1</sup> | M <sub>a</sub><br>Nm | i    | F <sub>Ra</sub> <sup>1)</sup><br>N | SEW<br>f <sub>B</sub> |  |                                      |                          |                                  | m<br>kg                  |  |
| 0.52                                | 48700                | 2818 | 190000                             | 1.10                  | K<br>KH                                                                              | 187R97<br>187R97                     | DRN<br>DRN               | 100L4<br>100L4                   | 1790<br>1720             | 713<br>713                                                                            |
| 0.40                                | 65100                | 3609 | 190000                             | 0.80                  | K<br>KH                                                                              | 187R97<br>187R97                     | DRN<br>DRN               | 100L4<br>100L4                   | 1790<br>1720             | 713<br>713                                                                            |
| 0.48                                | 55100                | 3062 | 190000                             | 0.95                  |                                                                                      |                                      |                          |                                  |                          |                                                                                       |
| 0.58                                | 45100                | 2519 | 190000                             | 1.15                  |                                                                                      |                                      |                          |                                  |                          |                                                                                       |
| 0.64                                | 40500                | 2268 | 190000                             | 1.30                  |                                                                                      |                                      |                          |                                  |                          |                                                                                       |
| 0.71                                | 36500                | 2054 | 190000                             | 1.45                  |                                                                                      |                                      |                          |                                  |                          |                                                                                       |
| 0.80                                | 32200                | 1821 | 190000                             | 1.65                  |                                                                                      |                                      |                          |                                  |                          |                                                                                       |
| 0.91                                | 28500                | 1605 | 190000                             | 1.85                  |                                                                                      |                                      |                          |                                  |                          |                                                                                       |
| 1.0                                 | 24400                | 1395 | 190000                             | 2.2                   |                                                                                      |                                      |                          |                                  |                          |                                                                                       |
| 1.2                                 | 21100                | 1196 | 190000                             | 2.5                   |                                                                                      |                                      |                          |                                  |                          |                                                                                       |
| 0.67                                | 39300                | 2182 | 150000                             | 0.90                  | K<br>KH                                                                              | 167R97<br>167R97                     | DRN<br>DRN               | 100L4<br>100L4                   | 1210<br>1170             | 713<br>713                                                                            |
| 0.85                                | 30600                | 1704 | 150000                             | 1.15                  |                                                                                      |                                      |                          |                                  |                          |                                                                                       |
| 1.0                                 | 25300                | 1408 | 150000                             | 1.40                  |                                                                                      |                                      |                          |                                  |                          |                                                                                       |
| 1.1                                 | 23300                | 1296 | 150000                             | 1.50                  |                                                                                      |                                      |                          |                                  |                          |                                                                                       |
| 1.3                                 | 19500                | 1101 | 150000                             | 1.80                  |                                                                                      |                                      |                          |                                  |                          |                                                                                       |
| 1.5                                 | 16800                | 944  | 150000                             | 2.1                   |                                                                                      |                                      |                          |                                  |                          |                                                                                       |
| 1.7                                 | 14700                | 843  | 150000                             | 2.4                   |                                                                                      |                                      |                          |                                  |                          |                                                                                       |
| 1.9                                 | 13300                | 757  | 150000                             | 2.6                   |                                                                                      |                                      |                          |                                  |                          |                                                                                       |
| 1.1                                 | 24400                | 1365 | 108200                             | 0.80                  | K<br>KF<br>KA<br>KAF                                                                 | 157R97<br>157R97<br>157R97<br>157R97 | DRN<br>DRN<br>DRN<br>DRN | 100L4<br>100L4<br>100L4<br>100L4 | 810<br>890<br>780<br>830 | 713<br>713<br>713<br>713                                                              |
| 1.2                                 | 21900                | 1229 | 109900                             | 0.90                  |                                                                                      |                                      |                          |                                  |                          |                                                                                       |
| 1.3                                 | 19500                | 1093 | 111400                             | 1.00                  |                                                                                      |                                      |                          |                                  |                          |                                                                                       |
| 1.5                                 | 16800                | 942  | 112700                             | 1.20                  |                                                                                      |                                      |                          |                                  |                          |                                                                                       |
| 1.7                                 | 15200                | 854  | 113500                             | 1.30                  |                                                                                      |                                      |                          |                                  |                          |                                                                                       |
| 1.9                                 | 13200                | 756  | 114200                             | 1.50                  |                                                                                      |                                      |                          |                                  |                          |                                                                                       |
| 2.6                                 | 10000                | 567  | 115300                             | 2.0                   |                                                                                      |                                      |                          |                                  |                          |                                                                                       |
| 2.9                                 | 8930                 | 504  | 115600                             | 2.2                   |                                                                                      |                                      |                          |                                  |                          |                                                                                       |

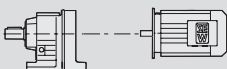
| <b>P<sub>m</sub> = 3.0 kW</b>                   |                                   |          |                                                |                                    |                                                                                    |        |     |       |                       |                                                                                     |
|-------------------------------------------------|-----------------------------------|----------|------------------------------------------------|------------------------------------|------------------------------------------------------------------------------------|--------|-----|-------|-----------------------|-------------------------------------------------------------------------------------|
| <b>n<sub>a</sub></b><br><b>min<sup>-1</sup></b> | <b>M<sub>a</sub></b><br><b>Nm</b> | <b>i</b> | <b>F<sub>Ra</sub><sup>1)</sup></b><br><b>N</b> | <b>SEW</b><br><b>f<sub>B</sub></b> |  |        |     |       | <b>m</b><br><b>kg</b> |  |
| 2.7                                             | 9580                              | 536      | 80900                                          | 1.35                               | K<br>KF<br>KA<br>KAF                                                               | 127R87 | DRN | 100L4 | 520                   | 713                                                                                 |
| 3.1                                             | 8400                              | 473      | 81300                                          | 1.55                               |                                                                                    | 127R87 | DRN | 100L4 | 560                   | 713                                                                                 |
| 3.5                                             | 7550                              | 418      | 81600                                          | 1.70                               |                                                                                    | 127R87 | DRN | 100L4 | 490                   | 713                                                                                 |
| 4.0                                             | 6610                              | 367      | 81900                                          | 1.95                               |                                                                                    | 127R87 | DRN | 100L4 | 530                   | 713                                                                                 |
| 4.4                                             | 5920                              | 330      | 82100                                          | 2.2                                |                                                                                    | 127R87 | DRN | 100L4 |                       |                                                                                     |
| 5.1                                             | 5080                              | 287      | 82300                                          | 2.6                                |                                                                                    |        |     |       |                       |                                                                                     |
| 1.8                                             | 14200                             | 790      | 77400                                          | 0.90                               | K<br>KF<br>KA<br>KAF                                                               | 127R77 | DRN | 100L4 | 495                   | 713                                                                                 |
| 2.1                                             | 12700                             | 704      | 79300                                          | 1.00                               |                                                                                    | 127R77 | DRN | 100L4 | 540                   | 713                                                                                 |
| 2.4                                             | 11000                             | 610      | 80200                                          | 1.20                               |                                                                                    | 127R77 | DRN | 100L4 | 470                   | 713                                                                                 |
| 2.6                                             | 9950                              | 549      | 80700                                          | 1.30                               |                                                                                    | 127R77 | DRN | 100L4 | 510                   | 713                                                                                 |
| 3.0                                             | 8610                              | 477      | 81200                                          | 1.50                               |                                                                                    | 127R77 | DRN | 100L4 |                       |                                                                                     |
| 3.5                                             | 7580                              | 418      | 81600                                          | 1.70                               |                                                                                    |        |     |       |                       |                                                                                     |
| 3.2                                             | 8310                              | 461      | 65000                                          | 0.95                               | K<br>KF<br>KA<br>KAF                                                               | 107R77 | DRN | 100L4 | 335                   | 713                                                                                 |
| 3.6                                             | 7360                              | 408      | 65000                                          | 1.10                               |                                                                                    | 107R77 | DRN | 100L4 | 350                   | 713                                                                                 |
| 4.0                                             | 6590                              | 364      | 65000                                          | 1.20                               |                                                                                    | 107R77 | DRN | 100L4 | 310                   | 713                                                                                 |
| 4.6                                             | 5760                              | 318      | 65000                                          | 1.40                               |                                                                                    | 107R77 | DRN | 100L4 | 335                   | 713                                                                                 |
| 5.1                                             | 5190                              | 286      | 65000                                          | 1.55                               |                                                                                    | 107R77 | DRN | 100L4 |                       |                                                                                     |
| 5.8                                             | 4540                              | 251      | 65000                                          | 1.75                               |                                                                                    | 107R77 | DRN | 100L4 |                       |                                                                                     |
| 6.6                                             | 4000                              | 222      | 65000                                          | 2.0                                |                                                                                    | 107R77 | DRN | 100L4 |                       |                                                                                     |
| 7.4                                             | 3540                              | 196      | 65000                                          | 2.3                                |                                                                                    | 107R77 | DRN | 100L4 |                       |                                                                                     |
| 8.4                                             | 3170                              | 174      | 65000                                          | 2.3                                |                                                                                    | 107R77 | DRN | 100L4 |                       |                                                                                     |
| 9.4                                             | 2800                              | 154      | 65000                                          | 2.6                                |                                                                                    |        |     |       |                       |                                                                                     |
| 10                                              | 2540                              | 140      | 65000                                          | 2.8                                |                                                                                    |        |     |       |                       |                                                                                     |
| 5.7                                             | 4730                              | 258      | 40000                                          | 0.90                               | K<br>KF<br>KA<br>KAF                                                               | 97R57  | DRN | 100L4 | 205                   | 713                                                                                 |
| 6.3                                             | 4260                              | 232      | 40000                                          | 1.00                               |                                                                                    | 97R57  | DRN | 100L4 | 225                   | 713                                                                                 |
| 7.3                                             | 3660                              | 199      | 40000                                          | 1.15                               |                                                                                    | 97R57  | DRN | 100L4 | 190                   | 713                                                                                 |
|                                                 |                                   |          |                                                |                                    |                                                                                    | 97R57  | DRN | 100L4 | 215                   | 713                                                                                 |
| 6.8                                             | 4210                              | 143.47*  | 65000                                          | 1.90                               | K<br>KF<br>KA<br>KAF                                                               | 107    | DRN | 132S6 | 315                   | 688                                                                                 |
| 8.0                                             | 3570                              | 121.46   | 65000                                          | 2.2                                |                                                                                    | 107    | DRN | 132S6 | 330                   | 689                                                                                 |
| 8.7                                             | 3300                              | 112.41*  | 65000                                          | 2.4                                |                                                                                    | 107    | DRN | 132S6 | 290                   | 691                                                                                 |
| 9.7                                             | 2960                              | 100.75   | 65000                                          | 2.7                                |                                                                                    | 107    | DRN | 132S6 | 315                   | 689                                                                                 |
| 10                                              | 2820                              | 143.47*  | 65000                                          | 2.8                                | K<br>KF<br>KA<br>KAF                                                               | 107    | DRN | 100L4 | 300                   | 688                                                                                 |
| 12                                              | 2380                              | 121.46   | 65000                                          | 3.4                                |                                                                                    | 107    | DRN | 100L4 | 310                   | 689                                                                                 |
|                                                 |                                   |          |                                                |                                    |                                                                                    | 107    | DRN | 100L4 | 270                   | 691                                                                                 |
|                                                 |                                   |          |                                                |                                    |                                                                                    | 107    | DRN | 100L4 | 295                   | 689                                                                                 |
| 7.9                                             | 3640                              | 123.93*  | 40000                                          | 1.20                               | K<br>KF<br>KA<br>KAF                                                               | 97     | DRN | 132S6 | 205                   | 681                                                                                 |
|                                                 |                                   |          |                                                |                                    |                                                                                    | 97     | DRN | 132S6 | 225                   | 682                                                                                 |
|                                                 |                                   |          |                                                |                                    |                                                                                    | 97     | DRN | 132S6 | 185                   | 684                                                                                 |
|                                                 |                                   |          |                                                |                                    |                                                                                    | 97     | DRN | 132S6 | 210                   | 682                                                                                 |
| 9.3                                             | 3090                              | 105.13   | 40000                                          | 1.40                               | K<br>KF<br>KA<br>KAF                                                               | 97     | DRN | 132S6 | 205                   | 681                                                                                 |
| 10                                              | 2840                              | 96.80    | 40000                                          | 1.50                               |                                                                                    | 97     | DRN | 132S6 | 225                   | 682                                                                                 |
| 11                                              | 2540                              | 86.52    | 40000                                          | 1.70                               |                                                                                    | 97     | DRN | 132S6 | 185                   | 684                                                                                 |
|                                                 |                                   |          |                                                |                                    |                                                                                    | 97     | DRN | 132S6 | 210                   | 682                                                                                 |
| 8.3                                             | 3460                              | 176.05*  | 40000                                          | 1.25                               | K<br>KF<br>KA<br>KAF                                                               | 97     | DRN | 100L4 | 185                   | 681                                                                                 |
| 9.5                                             | 3010                              | 153.21*  | 40000                                          | 1.45                               |                                                                                    | 97     | DRN | 100L4 | 205                   | 682                                                                                 |
| 10                                              | 2760                              | 140.28   | 40000                                          | 1.55                               |                                                                                    | 97     | DRN | 100L4 | 165                   | 684                                                                                 |
| 12                                              | 2430                              | 123.93*  | 40000                                          | 1.75                               |                                                                                    | 97     | DRN | 100L4 | 190                   | 682                                                                                 |
| 14                                              | 2060                              | 105.13   | 40000                                          | 2.1                                | K<br>KF<br>KA<br>KAF                                                               | 97     | DRN | 100L4 | 185                   | 681                                                                                 |
| 15                                              | 1900                              | 96.80    | 40000                                          | 2.3                                |                                                                                    | 97     | DRN | 100L4 | 205                   | 682                                                                                 |
| 17                                              | 1700                              | 86.52    | 40000                                          | 2.5                                |                                                                                    | 97     | DRN | 100L4 | 165                   | 684                                                                                 |
| 19                                              | 1530                              | 77.89*   | 40000                                          | 2.8                                |                                                                                    | 97     | DRN | 100L4 | 190                   | 682                                                                                 |
| 21                                              | 1380                              | 70.54    | 40000                                          | 3.1                                |                                                                                    | 97     | DRN | 100L4 |                       |                                                                                     |
| 23                                              | 1230                              | 62.55    | 40000                                          | 3.5                                |                                                                                    | 97     | DRN | 100L4 |                       |                                                                                     |
| 26                                              | 1110                              | 56.55    | 40000                                          | 3.9                                |                                                                                    | 97     | DRN | 100L4 |                       |                                                                                     |
| 9.9                                             | 2890                              | 147.32*  | 27000                                          | 0.95                               | K<br>KF<br>KA<br>KAF                                                               | 87     | DRN | 100L4 | 125                   | 674                                                                                 |
| 11                                              | 2490                              | 126.91*  | 27500                                          | 1.10                               |                                                                                    | 87     | DRN | 100L4 | 135                   | 675                                                                                 |
| 13                                              | 2270                              | 115.82   | 27800                                          | 1.20                               |                                                                                    | 87     | DRN | 100L4 | 110                   | 677                                                                                 |
| 14                                              | 2020                              | 102.71*  | 28000                                          | 1.35                               |                                                                                    | 87     | DRN | 100L4 | 125                   | 675                                                                                 |

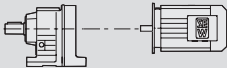
| P <sub>m</sub> = 3.0 kW             |                      |        |                                    |                       |                                                                                    |    |     |       |         |                                                                                     |
|-------------------------------------|----------------------|--------|------------------------------------|-----------------------|------------------------------------------------------------------------------------|----|-----|-------|---------|-------------------------------------------------------------------------------------|
| n <sub>a</sub><br>min <sup>-1</sup> | M <sub>a</sub><br>Nm | i      | F <sub>Ra</sub> <sup>1)</sup><br>N | SEW<br>f <sub>B</sub> |  |    |     |       | m<br>kg |  |
| 17                                  | 1690                 | 86.34  | 28300                              | 1.60                  | K                                                                                  | 87 | DRN | 100L4 | 125     | 674                                                                                 |
| 18                                  | 1560                 | 79.34  | 28400                              | 1.75                  |                                                                                    |    |     |       |         |                                                                                     |
| 21                                  | 1380                 | 70.46  | 28600                              | 1.95                  |                                                                                    |    |     |       |         |                                                                                     |
| 23                                  | 1230                 | 63.00* | 28600                              | 2.2                   |                                                                                    |    |     |       |         |                                                                                     |
| 26                                  | 1110                 | 56.64  | 28700                              | 2.4                   |                                                                                    |    |     |       |         |                                                                                     |
| 30                                  | 960                  | 49.16  | 28800                              | 2.8                   |                                                                                    |    |     |       |         |                                                                                     |
| 33                                  | 860                  | 44.02  | 28800                              | 3.0                   |                                                                                    |    |     |       |         |                                                                                     |
| 40                                  | 715                  | 36.52* | 28200                              | 3.5                   | KF                                                                                 | 87 | DRN | 100L4 | 135     | 675                                                                                 |
| 16                                  | 1750                 | 88.97  | 13800                              | 0.90                  |                                                                                    |    |     |       |         |                                                                                     |
| 19                                  | 1530                 | 78.07  | 15500                              | 1.00                  |                                                                                    |    |     |       |         |                                                                                     |
| 20                                  | 1450                 | 73.99  | 16000                              | 1.05                  |                                                                                    |    |     |       |         |                                                                                     |
| 22                                  | 1270                 | 64.75  | 17100                              | 1.20                  |                                                                                    |    |     |       |         |                                                                                     |
| 25                                  | 1140                 | 58.34  | 17700                              | 1.35                  |                                                                                    |    |     |       |         |                                                                                     |
| 28                                  | 1000                 | 51.18  | 18300                              | 1.55                  |                                                                                    |    |     |       |         |                                                                                     |
| 32                                  | 880                  | 45.16  | 18700                              | 1.75                  | KA                                                                                 | 77 | DRN | 100L4 | 88      | 667                                                                                 |
| 36                                  | 785                  | 40.04  | 19000                              | 1.95                  |                                                                                    |    |     |       |         |                                                                                     |
| 41                                  | 690                  | 35.20  | 19300                              | 2.2                   |                                                                                    |    |     |       |         |                                                                                     |
| 47                                  | 605                  | 30.89  | 19500                              | 2.5                   |                                                                                    |    |     |       |         |                                                                                     |
| 33                                  | 870                  | 44.32  | 9820                               | 0.95                  |                                                                                    |    |     |       |         |                                                                                     |
| 38                                  | 755                  | 38.39  | 10900                              | 1.05                  |                                                                                    |    |     |       |         |                                                                                     |
| 41                                  | 700                  | 35.62  | 11300                              | 1.15                  |                                                                                    |    |     |       |         |                                                                                     |
| 48                                  | 590                  | 30.22  | 11900                              | 1.40                  | KAF                                                                                | 77 | DRN | 100L4 | 80      | 670                                                                                 |
| 53                                  | 535                  | 27.28  | 12200                              | 1.55                  |                                                                                    |    |     |       |         |                                                                                     |
| 61                                  | 470                  | 24.00  | 12500                              | 1.70                  |                                                                                    |    |     |       |         |                                                                                     |
| 64                                  | 445                  | 22.66  | 12600                              | 1.75                  |                                                                                    |    |     |       |         |                                                                                     |
| 75                                  | 375                  | 19.30  | 12900                              | 2.0                   |                                                                                    |    |     |       |         |                                                                                     |
| 83                                  | 340                  | 17.54  | 13000                              | 2.1                   |                                                                                    |    |     |       |         |                                                                                     |
| 96                                  | 295                  | 15.19  | 13000                              | 2.3                   |                                                                                    |    |     |       |         |                                                                                     |
| 110                                 | 260                  | 13.22  | 13000                              | 2.6                   | K                                                                                  | 67 | DRN | 100L4 | 63      | 660                                                                                 |
| 117                                 | 245                  | 12.48  | 13000                              | 2.2                   |                                                                                    |    |     |       |         |                                                                                     |
| 137                                 | 205                  | 10.63  | 13000                              | 2.4                   |                                                                                    |    |     |       |         |                                                                                     |
| 151                                 | 190                  | 9.66   | 13000                              | 2.5                   |                                                                                    |    |     |       |         |                                                                                     |
| 48                                  | 595                  | 30.28  | 7190                               | 1.00                  |                                                                                    |    |     |       |         |                                                                                     |
| 53                                  | 535                  | 27.34  | 7190                               | 1.10                  |                                                                                    |    |     |       |         |                                                                                     |
| 61                                  | 470                  | 24.05  | 7170                               | 1.25                  |                                                                                    |    |     |       |         |                                                                                     |
| 64                                  | 445                  | 22.71  | 7150                               | 1.35                  | KF                                                                                 | 57 | DRN | 100L4 | 62      | 655                                                                                 |
| 75                                  | 380                  | 19.34  | 7060                               | 1.50                  |                                                                                    |    |     |       |         |                                                                                     |
| 83                                  | 345                  | 17.57  | 6980                               | 1.60                  |                                                                                    |    |     |       |         |                                                                                     |
| 96                                  | 295                  | 15.22  | 6860                               | 1.80                  |                                                                                    |    |     |       |         |                                                                                     |
| 110                                 | 260                  | 13.25  | 6710                               | 1.95                  |                                                                                    |    |     |       |         |                                                                                     |
| 122                                 | 230                  | 11.92  | 6380                               | 1.75                  |                                                                                    |    |     |       |         |                                                                                     |
| 129                                 | 220                  | 11.26  | 6330                               | 1.85                  |                                                                                    |    |     |       |         |                                                                                     |
| 152                                 | 189                  | 9.59   | 6160                               | 2.1                   | KA                                                                                 | 57 | DRN | 100L4 | 55      | 656                                                                                 |
| 167                                 | 171                  | 8.71   | 6040                               | 2.3                   |                                                                                    |    |     |       |         |                                                                                     |
| 193                                 | 148                  | 7.55   | 5870                               | 2.5                   |                                                                                    |    |     |       |         |                                                                                     |
| 222                                 | 129                  | 6.57   | 5700                               | 2.7                   |                                                                                    |    |     |       |         |                                                                                     |
| 310                                 | 92                   | 4.69   | 5270                               | 3.2                   |                                                                                    |    |     |       |         |                                                                                     |
| 48                                  | 600                  | 30.55  | 5690                               | 0.85                  |                                                                                    |    |     |       |         |                                                                                     |
| 50                                  | 565                  | 28.95  | 5740                               | 0.90                  |                                                                                    |    |     |       |         |                                                                                     |
| 57                                  | 495                  | 25.34  | 5820                               | 1.00                  |                                                                                    |    |     |       |         |                                                                                     |
| 64                                  | 445                  | 22.83  | 5860                               | 1.10                  |                                                                                    |    |     |       |         |                                                                                     |
| 73                                  | 390                  | 20.03  | 5860                               | 1.25                  |                                                                                    |    |     |       |         |                                                                                     |
| 82                                  | 345                  | 17.67  | 5840                               | 1.45                  |                                                                                    |    |     |       |         |                                                                                     |
| 93                                  | 305                  | 15.67  | 5800                               | 1.60                  |                                                                                    |    |     |       |         |                                                                                     |
| 109                                 | 260                  | 13.38  | 5710                               | 1.80                  |                                                                                    |    |     |       |         |                                                                                     |
| 128                                 | 220                  | 11.37  | 6160                               | 2.2                   | K                                                                                  | 49 | DRN | 100L4 | 65      | 651                                                                                 |
| 140                                 | 200                  | 10.42  | 6050                               | 2.3                   |                                                                                    |    |     |       |         |                                                                                     |
| 159                                 | 180                  | 9.14   | 5860                               | 2.8                   |                                                                                    |    |     |       |         |                                                                                     |
| 168                                 | 170                  | 8.66   | 5790                               | 2.9                   |                                                                                    |    |     |       |         |                                                                                     |
| 192                                 | 149                  | 7.58   | 5600                               | 3.4                   |                                                                                    |    |     |       |         |                                                                                     |
| 213                                 | 134                  | 6.83   | 5460                               | 3.7                   |                                                                                    |    |     |       |         |                                                                                     |
| 74                                  | 385                  | 19.58  | 4450                               | 1.05                  |                                                                                    |    |     |       |         |                                                                                     |
| 86                                  | 330                  | 16.86  | 4500                               | 1.15                  |                                                                                    |    |     |       |         |                                                                                     |
| 92                                  | 310                  | 15.86  | 4510                               | 1.20                  |                                                                                    |    |     |       |         |                                                                                     |
|                                     |                      |        |                                    |                       |                                                                                    |    |     |       |         |                                                                                     |

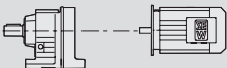
| P <sub>m</sub> = 3.0 kW             |                      |       |                                    |                       |                                                                                    |    |     |       |         |                                                                                     |
|-------------------------------------|----------------------|-------|------------------------------------|-----------------------|------------------------------------------------------------------------------------|----|-----|-------|---------|-------------------------------------------------------------------------------------|
| n <sub>a</sub><br>min <sup>-1</sup> | M <sub>a</sub><br>Nm | i     | F <sub>Ra</sub> <sup>1)</sup><br>N | SEW<br>f <sub>B</sub> |  |    |     |       | m<br>kg |  |
| 107                                 | 265                  | 13.65 | 4500                               | 1.35                  | K                                                                                  | 47 | DRN | 100L4 | 51      | 644                                                                                 |
| 119                                 | 235                  | 12.19 | 4480                               | 1.45                  |                                                                                    |    |     |       |         |                                                                                     |
| 124                                 | 230                  | 11.77 | 4360                               | 1.20                  |                                                                                    |    |     |       |         |                                                                                     |
| 138                                 | 205                  | 10.56 | 4340                               | 1.35                  |                                                                                    |    |     |       |         |                                                                                     |
| 160                                 | 179                  | 9.10  | 4280                               | 1.55                  |                                                                                    |    |     |       |         |                                                                                     |
| 170                                 | 168                  | 8.56  | 4250                               | 1.60                  |                                                                                    |    |     |       |         |                                                                                     |
| 198                                 | 145                  | 7.36  | 4160                               | 1.75                  |                                                                                    |    |     |       |         |                                                                                     |
| 221                                 | 129                  | 6.58  | 4090                               | 1.85                  |                                                                                    |    |     |       |         |                                                                                     |
| 250                                 | 114                  | 5.81  | 4000                               | 2.0                   |                                                                                    |    |     |       |         |                                                                                     |
| 314                                 | 91                   | 4.64  | 3830                               | 2.2                   |                                                                                    |    |     |       |         |                                                                                     |
| 82                                  | 350                  | 17.83 | 4010                               | 0.85                  | K                                                                                  | 39 | DRN | 100L4 | 50      | 640                                                                                 |
| 94                                  | 300                  | 15.44 | 4090                               | 0.90                  |                                                                                    |    |     |       |         |                                                                                     |
| 108                                 | 260                  | 13.44 | 4120                               | 1.00                  |                                                                                    |    |     |       |         |                                                                                     |
| 137                                 | 205                  | 10.61 | 4720                               | 1.35                  |                                                                                    |    |     |       |         |                                                                                     |
| 162                                 | 177                  | 9.00  | 4580                               | 1.70                  |                                                                                    |    |     |       |         |                                                                                     |
| 179                                 | 160                  | 8.12  | 4490                               | 1.90                  |                                                                                    |    |     |       |         |                                                                                     |
| 204                                 | 141                  | 7.15  | 4380                               | 2.1                   |                                                                                    |    |     |       |         |                                                                                     |
| 216                                 | 133                  | 6.75  | 4320                               | 2.3                   |                                                                                    |    |     |       |         |                                                                                     |
| 253                                 | 113                  | 5.75  | 4170                               | 2.4                   |                                                                                    |    |     |       |         |                                                                                     |
| 279                                 | 103                  | 5.22  | 4080                               | 2.5                   |                                                                                    |    |     |       |         |                                                                                     |
| 322                                 | 89                   | 4.52  | 3940                               | 2.7                   | KF                                                                                 | 39 | DRN | 100L4 | 52      | 641                                                                                 |
| 370                                 | 77                   | 3.94  | 3800                               | 2.8                   |                                                                                    |    |     |       |         |                                                                                     |
| 518                                 | 55                   | 2.81  | 3480                               | 3.1                   |                                                                                    |    |     |       |         |                                                                                     |
| 163                                 | 175                  | 8.91  | 2020                               | 0.90                  |                                                                                    |    |     |       |         |                                                                                     |
| 183                                 | 157                  | 7.96  | 2050                               | 1.00                  |                                                                                    |    |     |       |         |                                                                                     |
| 214                                 | 134                  | 6.80  | 2080                               | 1.10                  |                                                                                    |    |     |       |         |                                                                                     |
| 229                                 | 125                  | 6.37  | 2090                               | 1.15                  |                                                                                    |    |     |       |         |                                                                                     |
| 271                                 | 106                  | 5.36  | 2090                               | 1.35                  |                                                                                    |    |     |       |         |                                                                                     |
| 366                                 | 78                   | 3.98  | 2040                               | 1.60                  |                                                                                    |    |     |       |         |                                                                                     |
|                                     |                      |       |                                    |                       | KA                                                                                 | 37 | DRN | 100L4 | 44      | 636                                                                                 |
|                                     |                      |       |                                    |                       |                                                                                    |    |     |       |         |                                                                                     |
|                                     |                      |       |                                    |                       |                                                                                    |    |     |       |         |                                                                                     |
|                                     |                      |       |                                    |                       |                                                                                    |    |     |       |         |                                                                                     |
|                                     |                      |       |                                    |                       | KAF                                                                                | 37 | DRN | 100L4 | 46      | 635                                                                                 |
|                                     |                      |       |                                    |                       |                                                                                    |    |     |       |         |                                                                                     |
|                                     |                      |       |                                    |                       |                                                                                    |    |     |       |         |                                                                                     |
|                                     |                      |       |                                    |                       |                                                                                    |    |     |       |         |                                                                                     |

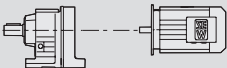
| P <sub>m</sub> = 4.0 kW             |                      |      |                                    |                       |                                                                                      |         |     |       |         |                                                                                       |
|-------------------------------------|----------------------|------|------------------------------------|-----------------------|--------------------------------------------------------------------------------------|---------|-----|-------|---------|---------------------------------------------------------------------------------------|
| n <sub>a</sub><br>min <sup>-1</sup> | M <sub>a</sub><br>Nm | i    | F <sub>Ra</sub> <sup>1)</sup><br>N | SEW<br>f <sub>B</sub> |  |         |     |       | m<br>kg |  |
| 1.8                                 | 19400                | 835  | 190000                             | 2.7                   | K<br>KH                                                                              | 187R107 | DRN | 112M4 | 1840    | 713                                                                                   |
| 2.8                                 | 12200                | 520  | 190000                             | 4.3                   |                                                                                      | 187R107 | DRN | 112M4 | 1780    | 713                                                                                   |
| 0.52                                | 65300                | 2818 | 190000                             | 0.80                  | K<br>KH                                                                              | 187R97  | DRN | 112M4 | 1800    | 713                                                                                   |
|                                     |                      |      |                                    |                       |                                                                                      | 187R97  | DRN | 112M4 | 1730    | 713                                                                                   |
| 0.58                                | 60200                | 2519 | 190000                             | 0.90                  | K<br>KH                                                                              | 187R97  | DRN | 112M4 | 1800    | 713                                                                                   |
| 0.65                                | 54100                | 2268 | 190000                             | 1.00                  |                                                                                      |         |     |       |         |                                                                                       |
| 0.71                                | 48800                | 2054 | 190000                             | 1.10                  |                                                                                      |         |     |       |         |                                                                                       |
| 0.80                                | 43100                | 1821 | 190000                             | 1.25                  |                                                                                      |         |     |       |         |                                                                                       |
| 0.91                                | 38200                | 1605 | 190000                             | 1.40                  |                                                                                      |         |     |       |         |                                                                                       |
| 1.1                                 | 32700                | 1395 | 190000                             | 1.60                  |                                                                                      |         |     |       |         |                                                                                       |
| 1.2                                 | 28300                | 1196 | 190000                             | 1.85                  |                                                                                      |         |     |       |         |                                                                                       |
| 1.4                                 | 24700                | 1046 | 190000                             | 2.1                   |                                                                                      |         |     |       |         |                                                                                       |
| 1.6                                 | 22300                | 945  | 190000                             | 2.4                   |                                                                                      |         |     |       |         |                                                                                       |
| 0.86                                | 40800                | 1704 | 150000                             | 0.85                  | K<br>KH                                                                              | 167R97  | DRN | 112M4 | 1210    | 713                                                                                   |
| 1.0                                 | 33800                | 1408 | 150000                             | 1.05                  |                                                                                      |         |     |       |         |                                                                                       |
| 1.1                                 | 31000                | 1296 | 150000                             | 1.15                  |                                                                                      |         |     |       |         |                                                                                       |
| 1.3                                 | 26100                | 1101 | 150000                             | 1.35                  |                                                                                      |         |     |       |         |                                                                                       |
| 1.6                                 | 22400                | 944  | 150000                             | 1.55                  |                                                                                      |         |     |       |         |                                                                                       |
| 1.7                                 | 19800                | 843  | 150000                             | 1.75                  |                                                                                      |         |     |       |         |                                                                                       |
| 1.9                                 | 17800                | 757  | 150000                             | 1.95                  |                                                                                      |         |     |       |         |                                                                                       |
| 2.3                                 | 14900                | 632  | 150000                             | 2.3                   |                                                                                      |         |     |       |         |                                                                                       |
| 1.6                                 | 22400                | 942  | 109600                             | 0.90                  | K<br>KF<br>KA<br>KAF                                                                 | 157R97  | DRN | 112M4 | 820     | 713                                                                                   |
| 1.7                                 | 20300                | 854  | 110900                             | 1.00                  |                                                                                      | 157R97  | DRN | 112M4 | 900     | 713                                                                                   |
| 1.9                                 | 17700                | 756  | 112300                             | 1.15                  |                                                                                      | 157R97  | DRN | 112M4 | 780     | 713                                                                                   |
| 2.6                                 | 13400                | 567  | 114200                             | 1.50                  |                                                                                      | 157R97  | DRN | 112M4 | 840     | 713                                                                                   |
| 2.9                                 | 11900                | 504  | 114700                             | 1.65                  |                                                                                      |         |     |       |         |                                                                                       |
| 3.4                                 | 10100                | 434  | 115200                             | 1.95                  |                                                                                      |         |     |       |         |                                                                                       |

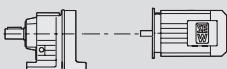
| P <sub>m</sub> = 4.0 kW             |                      |         |                                    |                       |                                                                                    |        |     |       |         |                                                                                     |
|-------------------------------------|----------------------|---------|------------------------------------|-----------------------|------------------------------------------------------------------------------------|--------|-----|-------|---------|-------------------------------------------------------------------------------------|
| n <sub>a</sub><br>min <sup>-1</sup> | M <sub>a</sub><br>Nm | i       | F <sub>Ra</sub> <sup>1)</sup><br>N | SEW<br>f <sub>B</sub> |  |        |     |       | m<br>kg |  |
| 2.7                                 | 12700                | 536     | 79300                              | 1.00                  | K<br>KF<br>KA<br>KAF                                                               | 127R87 | DRN | 112M4 | 530     | 713                                                                                 |
| 3.1                                 | 11200                | 473     | 80100                              | 1.15                  |                                                                                    |        |     |       |         |                                                                                     |
| 3.5                                 | 10000                | 418     | 80600                              | 1.30                  |                                                                                    |        |     |       |         |                                                                                     |
| 4.0                                 | 8810                 | 367     | 81200                              | 1.50                  |                                                                                    |        |     |       |         |                                                                                     |
| 4.4                                 | 7900                 | 330     | 81500                              | 1.65                  |                                                                                    |        |     |       |         |                                                                                     |
| 5.1                                 | 6800                 | 287     | 81800                              | 1.90                  |                                                                                    |        |     |       |         |                                                                                     |
| 5.8                                 | 6010                 | 253     | 82100                              | 2.2                   |                                                                                    |        |     |       |         |                                                                                     |
| 2.4                                 | 14700                | 610     | 76600                              | 0.90                  | K                                                                                  | 127R77 | DRN | 112M4 | 510     | 713                                                                                 |
| 2.7                                 | 13200                | 549     | 79000                              | 1.00                  | KF                                                                                 | 127R77 | DRN | 112M4 | 550     | 713                                                                                 |
| 3.1                                 | 11400                | 477     | 80000                              | 1.15                  | KA                                                                                 | 127R77 | DRN | 112M4 | 480     | 713                                                                                 |
| 3.5                                 | 10000                | 418     | 80600                              | 1.30                  | KAF                                                                                | 127R77 | DRN | 112M4 | 520     | 713                                                                                 |
| 4.0                                 | 8770                 | 364     | 65000                              | 0.90                  | K<br>KF<br>KA<br>KAF                                                               | 107R77 | DRN | 112M4 | 345     | 713                                                                                 |
| 4.6                                 | 7670                 | 318     | 65000                              | 1.05                  |                                                                                    |        |     |       |         |                                                                                     |
| 5.1                                 | 6900                 | 286     | 65000                              | 1.15                  |                                                                                    |        |     |       |         |                                                                                     |
| 5.8                                 | 6050                 | 251     | 65000                              | 1.30                  |                                                                                    |        |     |       |         |                                                                                     |
| 6.6                                 | 5330                 | 222     | 65000                              | 1.50                  |                                                                                    |        |     |       |         |                                                                                     |
| 7.5                                 | 4720                 | 196     | 65000                              | 1.70                  |                                                                                    |        |     |       |         |                                                                                     |
| 8.4                                 | 4220                 | 174     | 65000                              | 1.70                  |                                                                                    |        |     |       |         |                                                                                     |
| 9.5                                 | 3730                 | 154     | 65000                              | 1.95                  |                                                                                    |        |     |       |         |                                                                                     |
| 10                                  | 3390                 | 140     | 65000                              | 2.1                   |                                                                                    |        |     |       |         |                                                                                     |
| 6.6                                 | 5760                 | 146.07  | 82100                              | 2.3                   | K                                                                                  | 127    | DRN | 132S6 | 480     | 695                                                                                 |
| 7.1                                 | 5370                 | 136.14  | 82200                              | 2.4                   | KF                                                                                 | 127    | DRN | 132S6 | 520     | 696                                                                                 |
| 7.9                                 | 4830                 | 122.48  | 82300                              | 2.7                   | KA                                                                                 | 127    | DRN | 132S6 | 450     | 698                                                                                 |
| 8.8                                 | 4340                 | 110.18  | 82400                              | 3.0                   | KAF                                                                                | 127    | DRN | 132S6 | 485     | 696                                                                                 |
| 6.8                                 | 5660                 | 143.47* | 65000                              | 1.40                  | K<br>KF<br>KA<br>KAF                                                               | 107    | DRN | 132S6 | 315     | 688                                                                                 |
| 8.0                                 | 4790                 | 121.46  | 65000                              | 1.65                  |                                                                                    |        |     |       |         |                                                                                     |
| 8.6                                 | 4430                 | 112.41* | 65000                              | 1.80                  |                                                                                    |        |     |       |         |                                                                                     |
| 9.6                                 | 3970                 | 100.75  | 65000                              | 2.0                   |                                                                                    |        |     |       |         |                                                                                     |
| 11                                  | 3580                 | 90.96*  | 65000                              | 2.2                   |                                                                                    |        |     |       |         |                                                                                     |
| 10                                  | 3740                 | 143.47* | 65000                              | 2.1                   | K<br>KF<br>KA<br>KAF                                                               | 107    | DRN | 112M4 | 305     | 688                                                                                 |
| 12                                  | 3160                 | 121.46  | 65000                              | 2.5                   |                                                                                    |        |     |       |         |                                                                                     |
| 13                                  | 2930                 | 112.41* | 65000                              | 2.7                   |                                                                                    |        |     |       |         |                                                                                     |
| 15                                  | 2620                 | 100.75  | 65000                              | 3.0                   |                                                                                    |        |     |       |         |                                                                                     |
| 16                                  | 2370                 | 90.96*  | 65000                              | 3.4                   |                                                                                    |        |     |       |         |                                                                                     |
| 18                                  | 2150                 | 82.61   | 65000                              | 3.7                   |                                                                                    |        |     |       |         |                                                                                     |
| 20                                  | 1910                 | 73.30   | 65000                              | 4.2                   |                                                                                    |        |     |       |         |                                                                                     |
|                                     |                      |         |                                    |                       |                                                                                    |        |     |       |         |                                                                                     |
| 9.6                                 | 3990                 | 153.21* | 40000                              | 1.10                  | K                                                                                  | 97     | DRN | 112M4 | 190     | 681                                                                                 |
| 10                                  | 3660                 | 140.28  | 40000                              | 1.15                  | KF                                                                                 | 97     | DRN | 112M4 | 210     | 682                                                                                 |
| 12                                  | 3230                 | 123.93* | 40000                              | 1.35                  | KA                                                                                 | 97     | DRN | 112M4 | 175     | 684                                                                                 |
|                                     |                      |         |                                    |                       | KAF                                                                                | 97     | DRN | 112M4 | 200     | 682                                                                                 |
| 14                                  | 2740                 | 105.13  | 40000                              | 1.55                  | K<br>KF<br>KA<br>KAF                                                               | 97     | DRN | 112M4 | 190     | 681                                                                                 |
| 15                                  | 2520                 | 96.80   | 40000                              | 1.70                  |                                                                                    |        |     |       |         |                                                                                     |
| 17                                  | 2250                 | 86.52   | 40000                              | 1.90                  |                                                                                    |        |     |       |         |                                                                                     |
| 19                                  | 2030                 | 77.89*  | 40000                              | 2.1                   |                                                                                    |        |     |       |         |                                                                                     |
| 21                                  | 1840                 | 70.54   | 40000                              | 2.3                   |                                                                                    |        |     |       |         |                                                                                     |
| 13                                  | 3020                 | 115.82  | 26900                              | 0.90                  | K                                                                                  | 87     | DRN | 112M4 | 135     | 674                                                                                 |
| 14                                  | 2670                 | 102.71* | 27300                              | 1.00                  | KF                                                                                 | 87     | DRN | 112M4 | 140     | 675                                                                                 |
| 17                                  | 2250                 | 86.34   | 27800                              | 1.20                  | KA                                                                                 | 87     | DRN | 112M4 | 120     | 677                                                                                 |
| 18                                  | 2070                 | 79.34   | 28000                              | 1.30                  | KAF                                                                                | 87     | DRN | 112M4 | 135     | 675                                                                                 |
| 21                                  | 1830                 | 70.46   | 28200                              | 1.45                  | K<br>KF<br>KA<br>KAF                                                               | 87     | DRN | 112M4 | 135     | 674                                                                                 |
| 23                                  | 1640                 | 63.00*  | 28400                              | 1.65                  |                                                                                    |        |     |       |         |                                                                                     |
| 26                                  | 1470                 | 56.64   | 28500                              | 1.85                  |                                                                                    |        |     |       |         |                                                                                     |
| 30                                  | 1280                 | 49.16   | 28600                              | 2.1                   |                                                                                    |        |     |       |         |                                                                                     |
| 33                                  | 1140                 | 44.02   | 28200                              | 2.3                   |                                                                                    |        |     |       |         |                                                                                     |
| 40                                  | 950                  | 36.52*  | 27200                              | 2.6                   |                                                                                    |        |     |       |         |                                                                                     |
| 23                                  | 1680                 | 64.75   | 14300                              | 0.90                  | K<br>KF<br>KA<br>KAF                                                               | 77     | DRN | 112M4 | 97      | 667                                                                                 |
| 25                                  | 1520                 | 58.34   | 15600                              | 1.00                  |                                                                                    |        |     |       |         |                                                                                     |
| 29                                  | 1330                 | 51.18   | 16700                              | 1.15                  |                                                                                    |        |     |       |         |                                                                                     |
| 32                                  | 1170                 | 45.16   | 17500                              | 1.30                  |                                                                                    |        |     |       |         |                                                                                     |
| 37                                  | 1040                 | 40.04   | 18100                              | 1.50                  |                                                                                    |        |     |       |         |                                                                                     |
| 38                                  | 1000                 | 38.39   | 18300                              | 1.50                  |                                                                                    |        |     |       |         |                                                                                     |

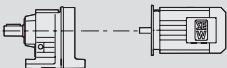
| P <sub>m</sub> = 4.0 kW             |                      |       |                                    |                       |                                                                                    |    |     |       |         |                                                                                     |
|-------------------------------------|----------------------|-------|------------------------------------|-----------------------|------------------------------------------------------------------------------------|----|-----|-------|---------|-------------------------------------------------------------------------------------|
| n <sub>a</sub><br>min <sup>-1</sup> | M <sub>a</sub><br>Nm | i     | F <sub>Ra</sub> <sup>1)</sup><br>N | SEW<br>f <sub>B</sub> |  |    |     |       | m<br>kg |  |
| 42                                  | 910                  | 35.20 | 18600                              | 1.70                  | K<br>KF<br>KA<br>KAF                                                               | 77 | DRN | 112M4 | 97      | 667                                                                                 |
| 47                                  | 800                  | 30.89 | 19000                              | 1.90                  |                                                                                    |    |     |       |         |                                                                                     |
| 50                                  | 760                  | 29.27 | 19100                              | 2.0                   |                                                                                    |    |     |       |         |                                                                                     |
| 57                                  | 665                  | 25.62 | 19300                              | 2.3                   |                                                                                    |    |     |       |         |                                                                                     |
| 63                                  | 600                  | 23.08 | 19500                              | 2.6                   |                                                                                    |    |     |       |         |                                                                                     |
| 72                                  | 525                  | 20.25 | 19600                              | 2.8                   |                                                                                    |    |     |       |         |                                                                                     |
| 48                                  | 785                  | 30.22 | 10600                              | 1.05                  | K<br>KF<br>KA<br>KAF                                                               | 67 | DRN | 112M4 | 72      | 660                                                                                 |
| 54                                  | 710                  | 27.28 | 11200                              | 1.15                  |                                                                                    |    |     |       |         |                                                                                     |
| 61                                  | 625                  | 24.00 | 11700                              | 1.30                  |                                                                                    |    |     |       |         |                                                                                     |
| 65                                  | 590                  | 22.66 | 11900                              | 1.30                  |                                                                                    |    |     |       |         |                                                                                     |
| 76                                  | 500                  | 19.30 | 12400                              | 1.50                  | K<br>KF<br>KA<br>KAF                                                               | 67 | DRN | 112M4 | 72      | 660                                                                                 |
| 84                                  | 455                  | 17.54 | 12600                              | 1.60                  |                                                                                    |    |     |       |         |                                                                                     |
| 96                                  | 395                  | 15.19 | 12800                              | 1.75                  |                                                                                    |    |     |       |         |                                                                                     |
| 111                                 | 340                  | 13.22 | 13000                              | 1.95                  |                                                                                    |    |     |       |         |                                                                                     |
| 117                                 | 325                  | 12.48 | 13000                              | 1.65                  |                                                                                    |    |     |       |         |                                                                                     |
| 138                                 | 275                  | 10.63 | 13000                              | 1.80                  |                                                                                    |    |     |       |         |                                                                                     |
| 152                                 | 250                  | 9.66  | 12800                              | 1.90                  |                                                                                    |    |     |       |         |                                                                                     |
| 175                                 | 215                  | 8.37  | 12400                              | 2.0                   |                                                                                    |    |     |       |         |                                                                                     |
| 201                                 | 190                  | 7.28  | 12000                              | 2.2                   |                                                                                    |    |     |       |         |                                                                                     |
| 282                                 | 136                  | 5.20  | 11100                              | 2.6                   |                                                                                    |    |     |       |         |                                                                                     |
| 61                                  | 625                  | 24.05 | 6140                               | 0.95                  | K<br>KF<br>KA<br>KAF                                                               | 57 | DRN | 112M4 | 67      | 654                                                                                 |
| 64                                  | 590                  | 22.71 | 6180                               | 1.00                  |                                                                                    |    |     |       |         |                                                                                     |
| 76                                  | 500                  | 19.34 | 6230                               | 1.15                  |                                                                                    |    |     |       |         |                                                                                     |
| 83                                  | 455                  | 17.57 | 6230                               | 1.20                  |                                                                                    |    |     |       |         |                                                                                     |
| 96                                  | 395                  | 15.22 | 6200                               | 1.35                  |                                                                                    |    |     |       |         |                                                                                     |
| 110                                 | 345                  | 13.25 | 6140                               | 1.50                  |                                                                                    |    |     |       |         |                                                                                     |
| 123                                 | 310                  | 11.92 | 5800                               | 1.35                  |                                                                                    |    |     |       |         |                                                                                     |
| 130                                 | 290                  | 11.26 | 5780                               | 1.40                  |                                                                                    |    |     |       |         |                                                                                     |
| 153                                 | 250                  | 9.59  | 5680                               | 1.60                  |                                                                                    |    |     |       |         |                                                                                     |
| 168                                 | 225                  | 8.71  | 5620                               | 1.70                  |                                                                                    |    |     |       |         |                                                                                     |
| 194                                 | 197                  | 7.55  | 5500                               | 1.85                  |                                                                                    |    |     |       |         |                                                                                     |
| 223                                 | 171                  | 6.57  | 5380                               | 2.0                   |                                                                                    |    |     |       |         |                                                                                     |
| 312                                 | 122                  | 4.69  | 5030                               | 2.5                   |                                                                                    |    |     |       |         |                                                                                     |
| 64                                  | 595                  | 22.83 | 4780                               | 0.85                  | K<br>KF<br>KA<br>KAF                                                               | 49 | DRN | 112M4 | 72      | 650                                                                                 |
| 73                                  | 520                  | 20.03 | 4920                               | 0.95                  |                                                                                    |    |     |       |         |                                                                                     |
| 83                                  | 460                  | 17.67 | 5010                               | 1.10                  |                                                                                    |    |     |       |         |                                                                                     |
| 93                                  | 405                  | 15.67 | 5060                               | 1.20                  |                                                                                    |    |     |       |         |                                                                                     |
| 109                                 | 345                  | 13.38 | 5080                               | 1.35                  |                                                                                    |    |     |       |         |                                                                                     |
| 129                                 | 295                  | 11.37 | 5810                               | 1.65                  |                                                                                    |    |     |       |         |                                                                                     |
| 141                                 | 270                  | 10.42 | 5720                               | 1.75                  |                                                                                    |    |     |       |         |                                                                                     |
| 160                                 | 235                  | 9.14  | 5580                               | 2.1                   |                                                                                    |    |     |       |         |                                                                                     |
| 169                                 | 225                  | 8.66  | 5520                               | 2.2                   |                                                                                    |    |     |       |         |                                                                                     |
| 193                                 | 198                  | 7.58  | 5360                               | 2.5                   |                                                                                    |    |     |       |         |                                                                                     |
| 214                                 | 178                  | 6.83  | 5240                               | 2.8                   |                                                                                    |    |     |       |         |                                                                                     |
| 244                                 | 156                  | 5.99  | 5080                               | 3.2                   |                                                                                    |    |     |       |         |                                                                                     |
| 277                                 | 138                  | 5.29  | 4930                               | 3.5                   |                                                                                    |    |     |       |         |                                                                                     |
| 312                                 | 122                  | 4.69  | 4780                               | 3.8                   |                                                                                    |    |     |       |         |                                                                                     |
| 163                                 | 230                  | 9.00  | 4240                               | 1.30                  | K<br>KF<br>KA<br>KAF                                                               | 39 | DRN | 112M4 | 60      | 640                                                                                 |
| 180                                 | 210                  | 8.12  | 4180                               | 1.40                  |                                                                                    |    |     |       |         |                                                                                     |
| 205                                 | 187                  | 7.15  | 4100                               | 1.60                  |                                                                                    |    |     |       |         |                                                                                     |
| 217                                 | 176                  | 6.75  | 4060                               | 1.70                  |                                                                                    |    |     |       |         |                                                                                     |
| 255                                 | 150                  | 5.75  | 3950                               | 1.85                  |                                                                                    |    |     |       |         |                                                                                     |
| 280                                 | 136                  | 5.22  | 3880                               | 1.90                  |                                                                                    |    |     |       |         |                                                                                     |
| 324                                 | 118                  | 4.52  | 3760                               | 2.0                   |                                                                                    |    |     |       |         |                                                                                     |
| 372                                 | 103                  | 3.94  | 3650                               | 2.1                   |                                                                                    |    |     |       |         |                                                                                     |
| 521                                 | 73                   | 2.81  | 3370                               | 2.3                   |                                                                                    |    |     |       |         |                                                                                     |

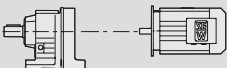
| P <sub>m</sub> = 5.5 kW             |                      |         |                                    |                       |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
|-------------------------------------|----------------------|---------|------------------------------------|-----------------------|------------------------------------------------------------------------------------|--------------------------------------|--------------------------|----------------------------------|--------------------------|-------------------------------------------------------------------------------------|
| n <sub>a</sub><br>min <sup>-1</sup> | M <sub>a</sub><br>Nm | i       | F <sub>Ra</sub> <sup>1)</sup><br>N | SEW<br>f <sub>B</sub> |  |                                      |                          |                                  | m<br>kg                  |  |
| 0.80                                | 59900                | 1821    | 190000                             | 0.90                  | K<br>KH                                                                            | 187R97<br>187R97                     | DRN<br>DRN               | 132S4<br>132S4                   | 1810<br>1740             | 713<br>713                                                                          |
| 0.91                                | 52900                | 1605    | 190000                             | 1.00                  |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 1.1                                 | 45600                | 1395    | 190000                             | 1.15                  |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 1.2                                 | 39300                | 1196    | 190000                             | 1.35                  |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 1.4                                 | 34400                | 1046    | 190000                             | 1.55                  |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 1.6                                 | 31000                | 945     | 190000                             | 1.70                  |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 2.0                                 | 24200                | 738     | 190000                             | 2.2                   |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 2.4                                 | 20300                | 621     | 190000                             | 2.6                   |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 1.1                                 | 43000                | 1296    | 150000                             | 0.80                  | K<br>KH                                                                            | 167R97<br>167R97                     | DRN<br>DRN               | 132S4<br>132S4                   | 1230<br>1190             | 713<br>713                                                                          |
| 1.3                                 | 36200                | 1101    | 150000                             | 0.95                  |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 1.6                                 | 31100                | 944     | 150000                             | 1.10                  |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 1.7                                 | 27500                | 843     | 150000                             | 1.25                  |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 1.9                                 | 24800                | 757     | 150000                             | 1.40                  |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 2.3                                 | 20800                | 632     | 150000                             | 1.70                  |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 2.6                                 | 18200                | 561     | 150000                             | 1.90                  |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 3.0                                 | 15800                | 481     | 150000                             | 2.2                   |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 3.5                                 | 13700                | 423     | 150000                             | 2.5                   | K<br>KF<br>KA<br>KAF                                                               | 157R97<br>157R97<br>157R97<br>157R97 | DRN<br>DRN<br>DRN<br>DRN | 132S4<br>132S4<br>132S4<br>132S4 | 830<br>910<br>800<br>850 | 713<br>713<br>713<br>713                                                            |
| 1.9                                 | 24700                | 756     | 108100                             | 0.80                  |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 2.2                                 | 21500                | 661     | 110200                             | 0.95                  |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 2.6                                 | 18600                | 567     | 111800                             | 1.05                  |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 2.9                                 | 16500                | 504     | 112900                             | 1.20                  |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 3.4                                 | 14100                | 434     | 113900                             | 1.40                  |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 3.9                                 | 12300                | 379     | 114600                             | 1.60                  |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 4.4                                 | 10800                | 333     | 115000                             | 1.85                  |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 3.5                                 | 13900                | 418     | 78000                              | 0.95                  | K<br>KF<br>KA<br>KAF                                                               | 127R87<br>127R87<br>127R87<br>127R87 | DRN<br>DRN<br>DRN<br>DRN | 132S4<br>132S4<br>132S4<br>132S4 | 540<br>580<br>510<br>550 | 713<br>713<br>713<br>713                                                            |
| 4.0                                 | 12100                | 367     | 79600                              | 1.05                  |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 4.4                                 | 10900                | 330     | 80200                              | 1.20                  |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 5.1                                 | 9440                 | 287     | 80900                              | 1.40                  |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 5.8                                 | 8350                 | 253     | 81300                              | 1.55                  |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 6.9                                 | 7010                 | 213     | 81800                              | 1.85                  |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 7.3                                 | 6680                 | 200     | 81900                              | 1.80                  |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 8.8                                 | 5530                 | 166     | 82200                              | 2.2                   |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 10.0                                | 4880                 | 147     | 82300                              | 2.5                   | K<br>KF<br>KA<br>KAF                                                               | 107R77<br>107R77<br>107R77<br>107R77 | DRN<br>DRN<br>DRN<br>DRN | 132S4<br>132S4<br>132S4<br>132S4 | 355<br>370<br>330<br>355 | 713<br>713<br>713<br>713                                                            |
| 6.6                                 | 7370                 | 222     | 65000                              | 1.10                  |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 7.4                                 | 6530                 | 196     | 65000                              | 1.20                  |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 8.4                                 | 5830                 | 174     | 65000                              | 1.25                  |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 9.5                                 | 5170                 | 154     | 65000                              | 1.40                  |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 10                                  | 4690                 | 140     | 65000                              | 1.55                  |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 7.2                                 | 7330                 | 136.14  | 81700                              | 1.75                  | K<br>KF<br>KA<br>KAF                                                               | 127<br>127<br>127<br>127             | DRN<br>DRN<br>DRN<br>DRN | 132L6<br>132L6<br>132L6<br>132L6 | 500<br>540<br>470<br>510 | 695<br>696<br>698<br>696                                                            |
| 8.0                                 | 6590                 | 122.48  | 81900                              | 1.95                  |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 8.8                                 | 5930                 | 110.18  | 82100                              | 2.2                   |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 11                                  | 4840                 | 89.89   | 82300                              | 2.7                   |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 8.7                                 | 6050                 | 112.41* | 65000                              | 1.30                  | K<br>KF<br>KA<br>KAF                                                               | 107<br>107<br>107<br>107             | DRN<br>DRN<br>DRN<br>DRN | 132L6<br>132L6<br>132L6<br>132L6 | 345<br>355<br>315<br>340 | 688<br>689<br>691<br>689                                                            |
| 9.7                                 | 5420                 | 100.75  | 65000                              | 1.45                  |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 11                                  | 4890                 | 90.96*  | 65000                              | 1.65                  |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 12                                  | 4450                 | 82.61   | 65000                              | 1.80                  |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
|                                     |                      |         |                                    |                       | KF                                                                                 | 107                                  | DRN                      | 132L6                            | 355                      | 689                                                                                 |
|                                     |                      |         |                                    |                       | KA                                                                                 | 107                                  | DRN                      | 132L6                            | 315                      | 691                                                                                 |
|                                     |                      |         |                                    |                       | KAF                                                                                | 107                                  | DRN                      | 132L6                            | 340                      | 689                                                                                 |
| 10                                  | 5150                 | 143.47* | 65000                              | 1.55                  | K<br>KF<br>KA<br>KAF                                                               | 107<br>107<br>107<br>107             | DRN<br>DRN<br>DRN<br>DRN | 132S4<br>132S4<br>132S4<br>132S4 | 315<br>330<br>290<br>315 | 688<br>689<br>691<br>689                                                            |
| 12                                  | 4360                 | 121.46  | 65000                              | 1.85                  |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 13                                  | 4040                 | 112.41* | 65000                              | 2.0                   |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 14                                  | 3620                 | 100.75  | 65000                              | 2.2                   |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 16                                  | 3260                 | 90.96*  | 65000                              | 2.5                   |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 18                                  | 2960                 | 82.61   | 65000                              | 2.7                   |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 12                                  | 4450                 | 123.93* | 40000                              | 0.95                  | K<br>KF<br>KA<br>KAF                                                               | 97<br>97<br>97<br>97                 | DRN<br>DRN<br>DRN<br>DRN | 132S4<br>132S4<br>132S4<br>132S4 | 205<br>225<br>185<br>210 | 681<br>682<br>684<br>682                                                            |
| 14                                  | 3770                 | 105.13  | 40000                              | 1.15                  |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 15                                  | 3470                 | 96.80   | 40000                              | 1.25                  |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 17                                  | 3110                 | 86.52   | 40000                              | 1.40                  |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 19                                  | 2800                 | 77.89*  | 40000                              | 1.55                  | K<br>KF<br>KA<br>KAF                                                               | 97<br>97<br>97<br>97                 | DRN<br>DRN<br>DRN<br>DRN | 132S4<br>132S4<br>132S4<br>132S4 | 205<br>225<br>185<br>210 | 681<br>682<br>684<br>682                                                            |
| 21                                  | 2530                 | 70.54   | 40000                              | 1.70                  |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 23                                  | 2240                 | 62.55   | 40000                              | 1.90                  |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 26                                  | 2030                 | 56.55   | 39600                              | 2.1                   |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 30                                  | 1720                 | 47.93*  | 38400                              | 2.5                   |                                                                                    |                                      |                          |                                  |                          |                                                                                     |

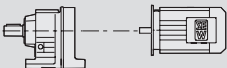
| <b>P<sub>m</sub> = 5.5 kW</b>                   |                                   |          |                                                |                                    |                                                                                    |    |     |       |                       |                                                                                     |
|-------------------------------------------------|-----------------------------------|----------|------------------------------------------------|------------------------------------|------------------------------------------------------------------------------------|----|-----|-------|-----------------------|-------------------------------------------------------------------------------------|
| <b>n<sub>a</sub></b><br><b>min<sup>-1</sup></b> | <b>M<sub>a</sub></b><br><b>Nm</b> | <b>i</b> | <b>F<sub>Ra</sub><sup>1)</sup></b><br><b>N</b> | <b>SEW</b><br><b>f<sub>B</sub></b> |  |    |     |       | <b>m</b><br><b>kg</b> |  |
| 17                                              | 3100                              | 86.34    | 26700                                          | 0.85                               | K                                                                                  | 87 | DRN | 132S4 | 145                   | 674                                                                                 |
| 18                                              | 2850                              | 79.34    | 27100                                          | 0.95                               | KF                                                                                 | 87 | DRN | 132S4 | 155                   | 675                                                                                 |
| 21                                              | 2530                              | 70.46    | 27500                                          | 1.05                               | KA                                                                                 | 87 | DRN | 132S4 | 130                   | 677                                                                                 |
| 23                                              | 2260                              | 63.00*   | 27400                                          | 1.20                               | KAF                                                                                | 87 | DRN | 132S4 | 145                   | 675                                                                                 |
| 26                                              | 2030                              | 56.64    | 27200                                          | 1.35                               |                                                                                    |    |     |       |                       |                                                                                     |
| 30                                              | 1760                              | 49.16    | 26800                                          | 1.55                               | K                                                                                  | 87 | DRN | 132S4 | 145                   | 674                                                                                 |
| 33                                              | 1580                              | 44.02    | 26400                                          | 1.65                               | KF                                                                                 | 87 | DRN | 132S4 | 155                   | 675                                                                                 |
| 40                                              | 1310                              | 36.52*   | 25700                                          | 1.90                               | KA                                                                                 | 87 | DRN | 132S4 | 130                   | 677                                                                                 |
| 47                                              | 1120                              | 31.39    | 25100                                          | 2.4                                | KAF                                                                                | 87 | DRN | 132S4 | 145                   | 675                                                                                 |
| 52                                              | 1000                              | 27.88    | 24600                                          | 2.6                                |                                                                                    |    |     |       |                       |                                                                                     |
| 32                                              | 1620                              | 45.16    | 14800                                          | 0.95                               | K                                                                                  | 77 | DRN | 132S4 | 110                   | 667                                                                                 |
| 36                                              | 1430                              | 40.04    | 16100                                          | 1.10                               | KF                                                                                 | 77 | DRN | 132S4 | 115                   | 668                                                                                 |
| 47                                              | 1110                              | 30.89    | 17900                                          | 1.40                               | KA                                                                                 | 77 | DRN | 132S4 | 100                   | 670                                                                                 |
| 50                                              | 1050                              | 29.27    | 18100                                          | 1.45                               | KAF                                                                                | 77 | DRN | 132S4 | 110                   | 668                                                                                 |
| 57                                              | 920                               | 25.62    | 18600                                          | 1.70                               |                                                                                    |    |     |       |                       |                                                                                     |
| 63                                              | 820                               | 23.08    | 18900                                          | 1.85                               |                                                                                    |    |     |       |                       |                                                                                     |
| 72                                              | 725                               | 20.25    | 19200                                          | 2.1                                | K                                                                                  | 77 | DRN | 132S4 | 110                   | 667                                                                                 |
| 82                                              | 640                               | 17.87    | 19400                                          | 2.3                                | KF                                                                                 | 77 | DRN | 132S4 | 115                   | 668                                                                                 |
| 92                                              | 565                               | 15.84    | 19100                                          | 2.5                                | KA                                                                                 | 77 | DRN | 132S4 | 100                   | 670                                                                                 |
| 108                                             | 485                               | 13.52    | 18500                                          | 2.8                                | KAF                                                                                | 77 | DRN | 132S4 | 110                   | 668                                                                                 |
| 118                                             | 440                               | 12.36    | 17800                                          | 2.2                                |                                                                                    |    |     |       |                       |                                                                                     |
| 135                                             | 385                               | 10.84    | 17400                                          | 2.5                                |                                                                                    |    |     |       |                       |                                                                                     |
| 61                                              | 860                               | 24.00    | 9910                                           | 0.95                               | K                                                                                  | 67 | DRN | 132S4 | 84                    | 660                                                                                 |
| 64                                              | 810                               | 22.66    | 10400                                          | 0.95                               | KF                                                                                 | 67 | DRN | 132S4 | 90                    | 661                                                                                 |
| 76                                              | 690                               | 19.30    | 11300                                          | 1.10                               | KA                                                                                 | 67 | DRN | 132S4 | 81                    | 663                                                                                 |
| 83                                              | 630                               | 17.54    | 11700                                          | 1.15                               | KAF                                                                                | 67 | DRN | 132S4 | 87                    | 661                                                                                 |
| 96                                              | 545                               | 15.19    | 12200                                          | 1.30                               |                                                                                    |    |     |       |                       |                                                                                     |
| 111                                             | 475                               | 13.22    | 12500                                          | 1.40                               |                                                                                    |    |     |       |                       |                                                                                     |
| 117                                             | 445                               | 12.48    | 12600                                          | 1.20                               | K                                                                                  | 67 | DRN | 132S4 | 84                    | 660                                                                                 |
| 137                                             | 380                               | 10.63    | 12400                                          | 1.30                               | KF                                                                                 | 67 | DRN | 132S4 | 90                    | 661                                                                                 |
| 151                                             | 345                               | 9.66     | 12200                                          | 1.40                               | KA                                                                                 | 67 | DRN | 132S4 | 81                    | 663                                                                                 |
| 175                                             | 300                               | 8.37     | 11900                                          | 1.45                               | KAF                                                                                | 67 | DRN | 132S4 | 87                    | 661                                                                                 |
| 201                                             | 260                               | 7.28     | 11600                                          | 1.60                               |                                                                                    |    |     |       |                       |                                                                                     |
| 281                                             | 187                               | 5.20     | 10800                                          | 1.85                               |                                                                                    |    |     |       |                       |                                                                                     |
| 93                                              | 560                               | 15.67    | 3950                                           | 0.85                               |                                                                                    |    |     |       |                       |                                                                                     |
| 109                                             | 480                               | 13.38    | 4130                                           | 1.00                               |                                                                                    |    |     |       |                       |                                                                                     |
| 160                                             | 325                               | 9.14     | 5160                                           | 1.50                               | K                                                                                  | 49 | DRN | 132S4 | 83                    | 650                                                                                 |
| 169                                             | 310                               | 8.66     | 5130                                           | 1.60                               | KF                                                                                 | 49 | DRN | 132S4 | 85                    | 651                                                                                 |
| 193                                             | 270                               | 7.58     | 5020                                           | 1.85                               | KA                                                                                 | 49 | DRN | 132S4 | 80                    | 652                                                                                 |
| 214                                             | 245                               | 6.83     | 4930                                           | 2.0                                | KAF                                                                                | 49 | DRN | 132S4 | 85                    | 651                                                                                 |
| 244                                             | 215                               | 5.99     | 4810                                           | 2.3                                |                                                                                    |    |     |       |                       |                                                                                     |
| 276                                             | 190                               | 5.29     | 4690                                           | 2.5                                |                                                                                    |    |     |       |                       |                                                                                     |
| 312                                             | 169                               | 4.69     | 4570                                           | 2.8                                |                                                                                    |    |     |       |                       |                                                                                     |
| 365                                             | 144                               | 4.00     | 4410                                           | 3.1                                |                                                                                    |    |     |       |                       |                                                                                     |

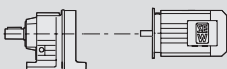
| <b>P<sub>m</sub> = 7.5 kW</b>                   |                                   |          |                                                |                                    |                                                                                      |         |     |       |                       |                                                                                       |
|-------------------------------------------------|-----------------------------------|----------|------------------------------------------------|------------------------------------|--------------------------------------------------------------------------------------|---------|-----|-------|-----------------------|---------------------------------------------------------------------------------------|
| <b>n<sub>a</sub></b><br><b>min<sup>-1</sup></b> | <b>M<sub>a</sub></b><br><b>Nm</b> | <b>i</b> | <b>F<sub>Ra</sub><sup>1)</sup></b><br><b>N</b> | <b>SEW</b><br><b>f<sub>B</sub></b> |  |         |     |       | <b>m</b><br><b>kg</b> |  |
| 1.8                                             | 37100                             | 835      | 190000                                         | 1.45                               | K                                                                                    | 187R107 | DRN | 132M4 | 1870                  | 713                                                                                   |
| 2.0                                             | 32200                             | 729      | 190000                                         | 1.65                               | KH                                                                                   | 187R107 | DRN | 132M4 | 1810                  | 713                                                                                   |
| 2.4                                             | 27500                             | 622      | 190000                                         | 1.95                               |                                                                                      |         |     |       |                       |                                                                                       |
| 1.1                                             | 62300                             | 1395     | 190000                                         | 0.85                               |                                                                                      |         |     |       |                       |                                                                                       |
| 1.2                                             | 53700                             | 1196     | 190000                                         | 1.00                               |                                                                                      |         |     |       |                       |                                                                                       |
| 1.4                                             | 46900                             | 1046     | 190000                                         | 1.15                               | K                                                                                    | 187R97  | DRN | 132M4 | 1830                  | 713                                                                                   |
| 1.6                                             | 42300                             | 945      | 190000                                         | 1.25                               | KH                                                                                   | 187R97  | DRN | 132M4 | 1760                  | 713                                                                                   |
| 2.0                                             | 33100                             | 738      | 190000                                         | 1.60                               |                                                                                      |         |     |       |                       |                                                                                       |
| 2.4                                             | 27800                             | 621      | 190000                                         | 1.90                               |                                                                                      |         |     |       |                       |                                                                                       |
| 2.8                                             | 23500                             | 527      | 190000                                         | 2.2                                |                                                                                      |         |     |       |                       |                                                                                       |

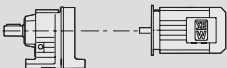
| P <sub>m</sub> = 7.5 kW             |                      |         |                                    |                       |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
|-------------------------------------|----------------------|---------|------------------------------------|-----------------------|------------------------------------------------------------------------------------|--------------------------------------|--------------------------|----------------------------------|--------------------------|-------------------------------------------------------------------------------------|
| n <sub>a</sub><br>min <sup>-1</sup> | M <sub>a</sub><br>Nm | i       | F <sub>Ra</sub> <sup>1)</sup><br>N | SEW<br>f <sub>B</sub> |  |                                      |                          |                                  | m<br>kg                  |  |
| 1.6                                 | 42400                | 944     | 150000                             | 0.80                  | K<br>KH                                                                            | 167R97<br>167R97                     | DRN<br>DRN               | 132M4<br>132M4                   | 1240<br>1210             | 713<br>713                                                                          |
| 1.7                                 | 37700                | 843     | 150000                             | 0.95                  |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 1.9                                 | 33900                | 757     | 150000                             | 1.05                  |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 2.3                                 | 28300                | 632     | 150000                             | 1.25                  |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 2.6                                 | 24900                | 561     | 150000                             | 1.40                  |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 3.0                                 | 21500                | 481     | 150000                             | 1.60                  |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 3.5                                 | 18800                | 423     | 150000                             | 1.85                  |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 4.0                                 | 16400                | 369     | 150000                             | 2.1                   |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 2.9                                 | 22600                | 504     | 109500                             | 0.90                  | K<br>KF<br>KA<br>KAF                                                               | 157R97<br>157R97<br>157R97<br>157R97 | DRN<br>DRN<br>DRN<br>DRN | 132M4<br>132M4<br>132M4<br>132M4 | 850<br>930<br>810<br>870 | 713<br>713<br>713<br>713                                                            |
| 3.4                                 | 19300                | 434     | 111400                             | 1.05                  |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 3.9                                 | 16800                | 379     | 112700                             | 1.20                  |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 4.4                                 | 14800                | 333     | 113600                             | 1.35                  |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 5.0                                 | 12900                | 291     | 114400                             | 1.55                  |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 4.4                                 | 14900                | 330     | 76200                              | 0.85                  | K<br>KF<br>KA<br>KAF                                                               | 127R87<br>127R87<br>127R87<br>127R87 | DRN<br>DRN<br>DRN<br>DRN | 132M4<br>132M4<br>132M4<br>132M4 | 560<br>600<br>530<br>560 | 713<br>713<br>713<br>713                                                            |
| 5.1                                 | 12800                | 287     | 79300                              | 1.00                  |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 5.8                                 | 11300                | 253     | 80000                              | 1.15                  |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 6.9                                 | 9570                 | 213     | 80900                              | 1.35                  |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 7.3                                 | 9110                 | 200     | 81000                              | 1.30                  |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 8.8                                 | 7540                 | 166     | 81600                              | 1.60                  |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 10                                  | 6650                 | 147     | 81900                              | 1.80                  |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 6.0                                 | 12000                | 164.50  | 150000                             | 2.8                   | K<br>KH                                                                            | 167<br>167                           | DRN<br>DRN               | 160M6<br>160M6                   | 1160<br>1120             | 709<br>710                                                                          |
| 7.2                                 | 9870                 | 134.99  | 150000                             | 3.5                   |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 6.5                                 | 11000                | 150.41  | 115000                             | 1.80                  | K<br>KF<br>KA<br>KAF                                                               | 157<br>157<br>157<br>157             | DRN<br>DRN<br>DRN<br>DRN | 160M6<br>160M6<br>160M6<br>160M6 | 760<br>840<br>730<br>780 | 702<br>703<br>705<br>703                                                            |
| 8.0                                 | 8950                 | 122.39  | 115600                             | 2.2                   |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 9.8                                 | 7330                 | 100.22  | 115900                             | 2.7                   |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 11                                  | 6700                 | 91.65   | 116000                             | 3.0                   |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 12                                  | 5830                 | 79.75   | 116200                             | 3.4                   |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 7.2                                 | 9950                 | 136.14  | 80700                              | 1.30                  | K<br>KF<br>KA<br>KAF                                                               | 127<br>127<br>127<br>127             | DRN<br>DRN<br>DRN<br>DRN | 160M6<br>160M6<br>160M6<br>160M6 | 530<br>570<br>500<br>540 | 695<br>696<br>698<br>696                                                            |
| 8.0                                 | 8960                 | 122.48  | 81100                              | 1.45                  |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 8.9                                 | 8060                 | 110.18  | 81400                              | 1.60                  |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 11                                  | 6570                 | 89.89   | 81900                              | 2.0                   |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 10                                  | 7120                 | 146.07  | 81700                              | 1.80                  | K<br>KF<br>KA<br>KAF                                                               | 127<br>127<br>127<br>127             | DRN<br>DRN<br>DRN<br>DRN | 132M4<br>132M4<br>132M4<br>132M4 | 490<br>530<br>460<br>500 | 695<br>696<br>698<br>696                                                            |
| 11                                  | 6640                 | 136.14  | 81900                              | 1.95                  |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 12                                  | 5970                 | 122.48  | 82100                              | 2.2                   |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 13                                  | 5370                 | 110.18  | 82200                              | 2.4                   |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 16                                  | 4380                 | 89.89   | 82400                              | 3.0                   |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 18                                  | 3990                 | 81.98   | 82500                              | 3.2                   |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 21                                  | 3460                 | 70.95*  | 82600                              | 3.8                   |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 10                                  | 6990                 | 143.47* | 65000                              | 1.15                  | K<br>KF<br>KA<br>KAF                                                               | 107<br>107<br>107<br>107             | DRN<br>DRN<br>DRN<br>DRN | 132M4<br>132M4<br>132M4<br>132M4 | 335<br>350<br>310<br>330 | 688<br>689<br>691<br>689                                                            |
| 12                                  | 5920                 | 121.46  | 65000                              | 1.35                  |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 13                                  | 5480                 | 112.41* | 65000                              | 1.45                  |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 15                                  | 4910                 | 100.75  | 65000                              | 1.65                  |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 16                                  | 4430                 | 90.96*  | 64000                              | 1.80                  | K<br>KF<br>KA<br>KAF                                                               | 107<br>107<br>107<br>107             | DRN<br>DRN<br>DRN<br>DRN | 132M4<br>132M4<br>132M4<br>132M4 | 335<br>350<br>310<br>330 | 688<br>689<br>691<br>689                                                            |
| 18                                  | 4030                 | 82.61   | 63000                              | 2.0                   |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 20                                  | 3570                 | 73.30   | 61700                              | 2.2                   |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 22                                  | 3240                 | 66.52*  | 60600                              | 2.5                   |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 26                                  | 2780                 | 57.17*  | 58800                              | 2.9                   |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 29                                  | 2430                 | 49.90   | 57100                              | 3.2                   |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 35                                  | 2060                 | 42.33*  | 55100                              | 3.6                   |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 40                                  | 1800                 | 37.00*  | 53500                              | 4.0                   |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 15                                  | 4720                 | 96.80   | 38400                              | 0.90                  | K<br>KF<br>KA<br>KAF                                                               | 97<br>97<br>97<br>97                 | DRN<br>DRN<br>DRN<br>DRN | 132M4<br>132M4<br>132M4<br>132M4 | 220<br>240<br>205<br>230 | 681<br>682<br>684<br>682                                                            |
| 17                                  | 4220                 | 86.52   | 38300                              | 1.00                  |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 19                                  | 3800                 | 77.89*  | 38100                              | 1.15                  |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 21                                  | 3440                 | 70.54   | 37800                              | 1.25                  |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 23                                  | 3050                 | 62.55   | 37400                              | 1.40                  |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 26                                  | 2750                 | 56.55   | 37000                              | 1.55                  | K<br>KF<br>KA<br>KAF                                                               | 97<br>97<br>97<br>97                 | DRN<br>DRN<br>DRN<br>DRN | 132M4<br>132M4<br>132M4<br>132M4 | 220<br>240<br>205<br>230 | 681<br>682<br>684<br>682                                                            |
| 31                                  | 2330                 | 47.93*  | 36200                              | 1.85                  |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 35                                  | 2040                 | 41.87   | 35500                              | 2.1                   |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 38                                  | 1860                 | 38.30   | 35000                              | 2.3                   |                                                                                    |                                      |                          |                                  |                          |                                                                                     |
| 43                                  | 1660                 | 34.23   | 34300                              | 2.6                   |                                                                                    |                                      |                          |                                  |                          |                                                                                     |

| <b>P<sub>m</sub> = 7.5 kW</b>                   |                                   |          |                                                |                                    |                                                                                    |    |     |       |                       |                                                                                     |
|-------------------------------------------------|-----------------------------------|----------|------------------------------------------------|------------------------------------|------------------------------------------------------------------------------------|----|-----|-------|-----------------------|-------------------------------------------------------------------------------------|
| <b>n<sub>a</sub></b><br><b>min<sup>-1</sup></b> | <b>M<sub>a</sub></b><br><b>Nm</b> | <b>i</b> | <b>F<sub>Ra</sub><sup>1)</sup></b><br><b>N</b> | <b>SEW</b><br><b>f<sub>B</sub></b> |  |    |     |       | <b>m</b><br><b>kg</b> |  |
| 23                                              | 3070                              | 63.00*   | 24100                                          | 0.90                               | K                                                                                  | 87 | DRN | 132M4 | 160                   | 674                                                                                 |
| 26                                              | 2760                              | 56.64    | 24200                                          | 1.00                               | KF                                                                                 | 87 | DRN | 132M4 | 170                   | 675                                                                                 |
| 30                                              | 2390                              | 49.16    | 24200                                          | 1.15                               | KA                                                                                 | 87 | DRN | 132M4 | 150                   | 677                                                                                 |
| 33                                              | 2140                              | 44.02    | 24100                                          | 1.20                               | KAF                                                                                | 87 | DRN | 132M4 | 165                   | 675                                                                                 |
| 40                                              | 1780                              | 36.52*   | 23800                                          | 1.40                               |                                                                                    |    |     |       |                       |                                                                                     |
| 47                                              | 1530                              | 31.39    | 23400                                          | 1.75                               |                                                                                    |    |     |       |                       |                                                                                     |
| 53                                              | 1350                              | 27.88    | 23100                                          | 1.90                               |                                                                                    |    |     |       |                       |                                                                                     |
| 59                                              | 1210                              | 24.92    | 22700                                          | 2.1                                | K                                                                                  | 87 | DRN | 132M4 | 160                   | 674                                                                                 |
| 66                                              | 1090                              | 22.41    | 22400                                          | 2.1                                | KF                                                                                 | 87 | DRN | 132M4 | 170                   | 675                                                                                 |
| 75                                              | 940                               | 19.45    | 21800                                          | 2.4                                | KA                                                                                 | 87 | DRN | 132M4 | 150                   | 677                                                                                 |
| 84                                              | 840                               | 17.42    | 21400                                          | 2.6                                | KAF                                                                                | 87 | DRN | 132M4 | 165                   | 675                                                                                 |
| 92                                              | 780                               | 16.00    | 20500                                          | 2.3                                |                                                                                    |    |     |       |                       |                                                                                     |
| 102                                             | 700                               | 14.45    | 20600                                          | 3.0                                |                                                                                    |    |     |       |                       |                                                                                     |
| 48                                              | 1500                              | 30.89    | 15700                                          | 1.05                               | K                                                                                  | 77 | DRN | 132M4 | 125                   | 667                                                                                 |
| 50                                              | 1420                              | 29.27    | 16200                                          | 1.10                               | KF                                                                                 | 77 | DRN | 132M4 | 135                   | 668                                                                                 |
| 57                                              | 1240                              | 25.62    | 17200                                          | 1.25                               | KA                                                                                 | 77 | DRN | 132M4 | 120                   | 670                                                                                 |
| 64                                              | 1120                              | 23.08    | 17800                                          | 1.40                               | KAF                                                                                | 77 | DRN | 132M4 | 125                   | 668                                                                                 |
| 73                                              | 980                               | 20.25    | 18400                                          | 1.50                               |                                                                                    |    |     |       |                       |                                                                                     |
| 82                                              | 870                               | 17.87    | 18500                                          | 1.65                               |                                                                                    |    |     |       |                       |                                                                                     |
| 93                                              | 770                               | 15.84    | 18200                                          | 1.80                               |                                                                                    |    |     |       |                       |                                                                                     |
| 109                                             | 655                               | 13.52    | 17700                                          | 2.0                                | K                                                                                  | 77 | DRN | 132M4 | 125                   | 667                                                                                 |
| 119                                             | 600                               | 12.36    | 17000                                          | 1.65                               | KF                                                                                 | 77 | DRN | 132M4 | 135                   | 668                                                                                 |
| 135                                             | 525                               | 10.84    | 16600                                          | 1.85                               | KA                                                                                 | 77 | DRN | 132M4 | 120                   | 670                                                                                 |
| 154                                             | 465                               | 9.56     | 16200                                          | 2.0                                | KAF                                                                                | 77 | DRN | 132M4 | 125                   | 668                                                                                 |
| 173                                             | 410                               | 8.48     | 15800                                          | 2.1                                |                                                                                    |    |     |       |                       |                                                                                     |
| 203                                             | 350                               | 7.24     | 15300                                          | 2.3                                |                                                                                    |    |     |       |                       |                                                                                     |
| 161                                             | 445                               | 9.14     | 4610                                           | 1.10                               |                                                                                    |    |     |       |                       |                                                                                     |
| 169                                             | 420                               | 8.66     | 4600                                           | 1.20                               |                                                                                    |    |     |       |                       |                                                                                     |
| 194                                             | 365                               | 7.58     | 4560                                           | 1.35                               | K                                                                                  | 49 | DRN | 132M4 | 100                   | 650                                                                                 |
| 215                                             | 330                               | 6.83     | 4510                                           | 1.50                               | KF                                                                                 | 49 | DRN | 132M4 | 105                   | 651                                                                                 |
| 245                                             | 290                               | 5.99     | 4440                                           | 1.70                               | KA                                                                                 | 49 | DRN | 132M4 | 98                    | 652                                                                                 |
| 278                                             | 255                               | 5.29     | 4370                                           | 1.90                               | KAF                                                                                | 49 | DRN | 132M4 | 105                   | 651                                                                                 |
| 313                                             | 225                               | 4.69     | 4280                                           | 2.0                                |                                                                                    |    |     |       |                       |                                                                                     |
| 367                                             | 195                               | 4.00     | 4170                                           | 2.2                                |                                                                                    |    |     |       |                       |                                                                                     |

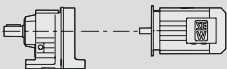
| <b>P<sub>m</sub> = 9.2 kW</b>                   |                                   |          |                                                |                                    |                                                                                      |         |     |       |                       |                                                                                       |
|-------------------------------------------------|-----------------------------------|----------|------------------------------------------------|------------------------------------|--------------------------------------------------------------------------------------|---------|-----|-------|-----------------------|---------------------------------------------------------------------------------------|
| <b>n<sub>a</sub></b><br><b>min<sup>-1</sup></b> | <b>M<sub>a</sub></b><br><b>Nm</b> | <b>i</b> | <b>F<sub>Ra</sub><sup>1)</sup></b><br><b>N</b> | <b>SEW</b><br><b>f<sub>B</sub></b> |  |         |     |       | <b>m</b><br><b>kg</b> |  |
| 1.8                                             | 45700                             | 835      | 190000                                         | 1.15                               |                                                                                      |         |     |       |                       |                                                                                       |
| 2.0                                             | 39700                             | 729      | 190000                                         | 1.35                               |                                                                                      |         |     |       |                       |                                                                                       |
| 2.4                                             | 33900                             | 622      | 190000                                         | 1.55                               | K                                                                                    | 187R107 | DRN | 132L4 | 1880                  | 713                                                                                   |
| 2.8                                             | 28700                             | 520      | 190000                                         | 1.85                               | KH                                                                                   | 187R107 | DRN | 132L4 | 1810                  | 713                                                                                   |
| 3.2                                             | 25000                             | 454      | 190000                                         | 2.1                                |                                                                                      |         |     |       |                       |                                                                                       |
| 1.2                                             | 65900                             | 1196     | 190000                                         | 0.80                               |                                                                                      |         |     |       |                       |                                                                                       |
| 1.4                                             | 57600                             | 1046     | 190000                                         | 0.90                               |                                                                                      |         |     |       |                       |                                                                                       |
| 1.6                                             | 52000                             | 945      | 190000                                         | 1.00                               | K                                                                                    | 187R97  | DRN | 132L4 | 1830                  | 713                                                                                   |
| 2.0                                             | 40600                             | 738      | 190000                                         | 1.30                               | KH                                                                                   | 187R97  | DRN | 132L4 | 1770                  | 713                                                                                   |
| 2.4                                             | 34100                             | 621      | 190000                                         | 1.55                               |                                                                                      |         |     |       |                       |                                                                                       |
| 2.8                                             | 28900                             | 527      | 190000                                         | 1.85                               |                                                                                      |         |     |       |                       |                                                                                       |
| 4.6                                             | 17500                             | 318      | 150000                                         | 2.0                                |                                                                                      |         |     |       |                       |                                                                                       |
| 5.3                                             | 15200                             | 278      | 150000                                         | 2.3                                | K                                                                                    | 167R107 | DRN | 132L4 | 1300                  | 713                                                                                   |
| 6.0                                             | 13200                             | 244      | 150000                                         | 2.6                                | KH                                                                                   | 167R107 | DRN | 132L4 | 1260                  | 713                                                                                   |
| 6.9                                             | 11500                             | 213      | 150000                                         | 3.0                                |                                                                                      |         |     |       |                       |                                                                                       |
| 7.1                                             | 11200                             | 206      | 150000                                         | 3.1                                |                                                                                      |         |     |       |                       |                                                                                       |
| 1.9                                             | 41600                             | 757      | 150000                                         | 0.85                               |                                                                                      |         |     |       |                       |                                                                                       |
| 2.3                                             | 34800                             | 632      | 150000                                         | 1.00                               |                                                                                      |         |     |       |                       |                                                                                       |
| 2.6                                             | 30700                             | 561      | 150000                                         | 1.15                               | K                                                                                    | 167R97  | DRN | 132L4 | 1250                  | 713                                                                                   |
| 3.1                                             | 26500                             | 481      | 150000                                         | 1.30                               | KH                                                                                   | 167R97  | DRN | 132L4 | 1210                  | 713                                                                                   |
| 3.5                                             | 23100                             | 423      | 150000                                         | 1.50                               |                                                                                      |         |     |       |                       |                                                                                       |
| 4.0                                             | 20200                             | 369      | 150000                                         | 1.75                               |                                                                                      |         |     |       |                       |                                                                                       |

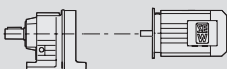
| <b>P<sub>m</sub> = 9.2 kW</b>                   |                                   |          |                                                |                                    |                                                                                    |         |     |       |                       |                                                                                     |
|-------------------------------------------------|-----------------------------------|----------|------------------------------------------------|------------------------------------|------------------------------------------------------------------------------------|---------|-----|-------|-----------------------|-------------------------------------------------------------------------------------|
| <b>n<sub>a</sub></b><br><b>min<sup>-1</sup></b> | <b>M<sub>a</sub></b><br><b>Nm</b> | <b>i</b> | <b>F<sub>Ra</sub><sup>1)</sup></b><br><b>N</b> | <b>SEW</b><br><b>f<sub>B</sub></b> |  |         |     |       | <b>m</b><br><b>kg</b> |  |
| 3.8                                             | 20800                             | 385      | 110600                                         | 0.95                               | K                                                                                  | 157R107 | DRN | 132L4 | 910                   | 713                                                                                 |
| 4.5                                             | 17400                             | 325      | 112400                                         | 1.15                               | KF                                                                                 | 157R107 | DRN | 132L4 | 980                   | 713                                                                                 |
| 4.9                                             | 16200                             | 299      | 113000                                         | 1.25                               | KA                                                                                 | 157R107 | DRN | 132L4 | 870                   | 713                                                                                 |
| 5.8                                             | 13700                             | 253      | 114100                                         | 1.45                               | KAF                                                                                | 157R107 | DRN | 132L4 | 930                   | 713                                                                                 |
| 6.4                                             | 12300                             | 230      | 114600                                         | 1.60                               |                                                                                    |         |     |       |                       |                                                                                     |
| 3.4                                             | 23800                             | 434      | 108700                                         | 0.85                               | K                                                                                  | 157R97  | DRN | 132L4 | 860                   | 713                                                                                 |
| 3.9                                             | 20700                             | 379      | 110700                                         | 0.95                               | KF                                                                                 | 157R97  | DRN | 132L4 | 940                   | 713                                                                                 |
| 4.4                                             | 18200                             | 333      | 112000                                         | 1.10                               | KA                                                                                 | 157R97  | DRN | 132L4 | 820                   | 713                                                                                 |
| 5.0                                             | 15900                             | 291      | 113200                                         | 1.25                               | KAF                                                                                | 157R97  | DRN | 132L4 | 880                   | 713                                                                                 |
| 5.8                                             | 13900                             | 253      | 78000                                          | 0.95                               | K                                                                                  | 127R87  | DRN | 132L4 | 560                   | 713                                                                                 |
| 6.9                                             | 11700                             | 213      | 79900                                          | 1.10                               | KF                                                                                 | 127R87  | DRN | 132L4 | 610                   | 713                                                                                 |
| 7.3                                             | 11100                             | 200      | 80100                                          | 1.05                               | KA                                                                                 | 127R87  | DRN | 132L4 | 540                   | 713                                                                                 |
| 8.8                                             | 9260                              | 166      | 81000                                          | 1.30                               | KAF                                                                                | 127R87  | DRN | 132L4 | 570                   | 713                                                                                 |
| 10                                              | 8170                              | 147      | 81400                                          | 1.45                               |                                                                                    |         |     |       |                       |                                                                                     |
| 11                                              | 8130                              | 136.14   | 81400                                          | 1.60                               | K                                                                                  | 127     | DRN | 132L4 | 500                   | 695                                                                                 |
| 12                                              | 7320                              | 122.48   | 81700                                          | 1.80                               | KF                                                                                 | 127     | DRN | 132L4 | 540                   | 696                                                                                 |
| 13                                              | 6580                              | 110.18   | 81900                                          | 1.95                               | KA                                                                                 | 127     | DRN | 132L4 | 470                   | 698                                                                                 |
| 16                                              | 5370                              | 89.89    | 82200                                          | 2.4                                | KAF                                                                                | 127     | DRN | 132L4 | 510                   | 696                                                                                 |
| 18                                              | 4890                              | 81.98    | 82300                                          | 2.6                                |                                                                                    |         |     |       |                       |                                                                                     |
| 13                                              | 6710                              | 112.41*  | 62300                                          | 1.20                               | K                                                                                  | 107     | DRN | 132L4 | 345                   | 688                                                                                 |
| 15                                              | 6020                              | 100.75   | 61700                                          | 1.35                               | KF                                                                                 | 107     | DRN | 132L4 | 355                   | 689                                                                                 |
| 16                                              | 5430                              | 90.96*   | 61000                                          | 1.45                               | KA                                                                                 | 107     | DRN | 132L4 | 315                   | 691                                                                                 |
|                                                 |                                   |          |                                                |                                    | KAF                                                                                | 107     | DRN | 132L4 | 340                   | 689                                                                                 |
| 18                                              | 4930                              | 82.61    | 60300                                          | 1.60                               |                                                                                    |         |     |       |                       |                                                                                     |
| 20                                              | 4380                              | 73.30    | 59300                                          | 1.85                               | K                                                                                  | 107     | DRN | 132L4 | 345                   | 688                                                                                 |
| 22                                              | 3970                              | 66.52*   | 58400                                          | 2.0                                | KF                                                                                 | 107     | DRN | 132L4 | 355                   | 689                                                                                 |
| 26                                              | 3410                              | 57.17*   | 56900                                          | 2.3                                | KA                                                                                 | 107     | DRN | 132L4 | 315                   | 691                                                                                 |
| 29                                              | 2980                              | 49.90    | 55500                                          | 2.6                                | KAF                                                                                | 107     | DRN | 132L4 | 340                   | 689                                                                                 |
| 35                                              | 2520                              | 42.33*   | 53700                                          | 2.9                                |                                                                                    |         |     |       |                       |                                                                                     |
| 19                                              | 4650                              | 77.89*   | 35100                                          | 0.90                               | K                                                                                  | 97      | DRN | 132L4 | 230                   | 681                                                                                 |
| 21                                              | 4210                              | 70.54    | 35100                                          | 1.00                               | KF                                                                                 | 97      | DRN | 132L4 | 250                   | 682                                                                                 |
| 24                                              | 3730                              | 62.55    | 35000                                          | 1.15                               | KA                                                                                 | 97      | DRN | 132L4 | 210                   | 684                                                                                 |
| 26                                              | 3370                              | 56.55    | 34800                                          | 1.25                               | KAF                                                                                | 97      | DRN | 132L4 | 235                   | 682                                                                                 |
| 31                                              | 2860                              | 47.93*   | 34400                                          | 1.50                               |                                                                                    |         |     |       |                       |                                                                                     |
| 35                                              | 2500                              | 41.87    | 33900                                          | 1.70                               | K                                                                                  | 97      | DRN | 132L4 | 230                   | 681                                                                                 |
| 38                                              | 2280                              | 38.30    | 33500                                          | 1.90                               | KF                                                                                 | 97      | DRN | 132L4 | 250                   | 682                                                                                 |
| 43                                              | 2040                              | 34.23    | 33000                                          | 2.1                                | KA                                                                                 | 97      | DRN | 132L4 | 210                   | 684                                                                                 |
| 48                                              | 1840                              | 30.82    | 32400                                          | 2.3                                | KAF                                                                                | 97      | DRN | 132L4 | 235                   | 682                                                                                 |
| 53                                              | 1660                              | 27.91    | 31900                                          | 2.6                                |                                                                                    |         |     |       |                       |                                                                                     |
| 59                                              | 1470                              | 24.75    | 31200                                          | 2.9                                |                                                                                    |         |     |       |                       |                                                                                     |
| 30                                              | 2930                              | 49.16    | 22000                                          | 0.90                               | K                                                                                  | 87      | DRN | 132L4 | 170                   | 674                                                                                 |
| 33                                              | 2630                              | 44.02    | 22200                                          | 1.00                               | KF                                                                                 | 87      | DRN | 132L4 | 180                   | 675                                                                                 |
| 40                                              | 2180                              | 36.52*   | 22200                                          | 1.15                               | KA                                                                                 | 87      | DRN | 132L4 | 160                   | 677                                                                                 |
| 47                                              | 1870                              | 31.39    | 22000                                          | 1.45                               | KAF                                                                                | 87      | DRN | 132L4 | 170                   | 675                                                                                 |
| 53                                              | 1660                              | 27.88    | 21900                                          | 1.55                               |                                                                                    |         |     |       |                       |                                                                                     |
| 59                                              | 1480                              | 24.92    | 21600                                          | 1.70                               |                                                                                    |         |     |       |                       |                                                                                     |
| 66                                              | 1330                              | 22.41    | 21400                                          | 1.70                               |                                                                                    |         |     |       |                       |                                                                                     |
| 76                                              | 1160                              | 19.45    | 21000                                          | 2.0                                | K                                                                                  | 87      | DRN | 132L4 | 170                   | 674                                                                                 |
| 84                                              | 1040                              | 17.42    | 20600                                          | 2.1                                | KF                                                                                 | 87      | DRN | 132L4 | 180                   | 675                                                                                 |
| 92                                              | 950                               | 16.00    | 19700                                          | 1.90                               | KA                                                                                 | 87      | DRN | 132L4 | 160                   | 677                                                                                 |
| 102                                             | 860                               | 14.45    | 20000                                          | 2.4                                | KAF                                                                                | 87      | DRN | 132L4 | 170                   | 675                                                                                 |
| 117                                             | 750                               | 12.56    | 19500                                          | 2.7                                |                                                                                    |         |     |       |                       |                                                                                     |
| 132                                             | 665                               | 11.17    | 18500                                          | 2.2                                |                                                                                    |         |     |       |                       |                                                                                     |
| 147                                             | 595                               | 10.00    | 18200                                          | 2.5                                |                                                                                    |         |     |       |                       |                                                                                     |
| 64                                              | 1370                              | 23.08    | 16500                                          | 1.10                               | K                                                                                  | 77      | DRN | 132L4 | 135                   | 667                                                                                 |
| 73                                              | 1200                              | 20.25    | 17400                                          | 1.25                               | KF                                                                                 | 77      | DRN | 132L4 | 145                   | 668                                                                                 |
| 82                                              | 1060                              | 17.87    | 17600                                          | 1.35                               | KA                                                                                 | 77      | DRN | 132L4 | 125                   | 670                                                                                 |
| 93                                              | 940                               | 15.84    | 17300                                          | 1.50                               | KAF                                                                                | 77      | DRN | 132L4 | 135                   | 668                                                                                 |
| 109                                             | 800                               | 13.52    | 17000                                          | 1.65                               |                                                                                    |         |     |       |                       |                                                                                     |
| 119                                             | 735                               | 12.36    | 16200                                          | 1.35                               | K                                                                                  | 77      | DRN | 132L4 | 135                   | 667                                                                                 |
| 136                                             | 645                               | 10.84    | 15900                                          | 1.55                               | KF                                                                                 | 77      | DRN | 132L4 | 145                   | 668                                                                                 |
| 154                                             | 570                               | 9.56     | 15600                                          | 1.65                               | KA                                                                                 | 77      | DRN | 132L4 | 125                   | 670                                                                                 |
| 173                                             | 505                               | 8.48     | 15300                                          | 1.75                               | KAF                                                                                | 77      | DRN | 132L4 | 135                   | 668                                                                                 |
| 203                                             | 430                               | 7.24     | 14900                                          | 1.90                               |                                                                                    |         |     |       |                       |                                                                                     |

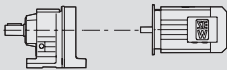
| P <sub>m</sub> = 11.0 kW            |                      |         |                                    |                       |                                                                                    |         |     |       |         |                                                                                     |
|-------------------------------------|----------------------|---------|------------------------------------|-----------------------|------------------------------------------------------------------------------------|---------|-----|-------|---------|-------------------------------------------------------------------------------------|
| n <sub>a</sub><br>min <sup>-1</sup> | M <sub>a</sub><br>Nm | i       | F <sub>Ra</sub> <sup>1)</sup><br>N | SEW<br>f <sub>B</sub> |  |         |     |       | m<br>kg |  |
| 1.8                                 | 54700                | 835     | 190000                             | 0.95                  | K<br>KH                                                                            | 187R107 | DRN | 160M4 | 1910    | 713                                                                                 |
| 2.0                                 | 47600                | 729     | 190000                             | 1.10                  |                                                                                    |         |     |       |         |                                                                                     |
| 2.4                                 | 40600                | 622     | 190000                             | 1.30                  |                                                                                    |         |     |       |         |                                                                                     |
| 2.8                                 | 34400                | 520     | 190000                             | 1.55                  |                                                                                    |         |     |       |         |                                                                                     |
| 3.2                                 | 29900                | 454     | 190000                             | 1.75                  |                                                                                    |         |     |       |         |                                                                                     |
| 4.1                                 | 23100                | 355     | 190000                             | 2.3                   |                                                                                    |         |     |       |         |                                                                                     |
| 1.6                                 | 62200                | 945     | 190000                             | 0.85                  | K<br>KH                                                                            | 187R97  | DRN | 160M4 | 1870    | 713                                                                                 |
| 2.0                                 | 48600                | 738     | 190000                             | 1.10                  |                                                                                    |         |     |       |         |                                                                                     |
| 2.4                                 | 40800                | 621     | 190000                             | 1.30                  |                                                                                    |         |     |       |         |                                                                                     |
| 2.8                                 | 34500                | 527     | 190000                             | 1.55                  |                                                                                    |         |     |       |         |                                                                                     |
| 4.6                                 | 21000                | 318     | 150000                             | 1.65                  | K<br>KH                                                                            | 167R107 | DRN | 160M4 | 1330    | 713                                                                                 |
| 5.3                                 | 18300                | 278     | 150000                             | 1.90                  |                                                                                    |         |     |       |         |                                                                                     |
| 6.0                                 | 15800                | 244     | 150000                             | 2.2                   |                                                                                    |         |     |       |         |                                                                                     |
| 6.9                                 | 13800                | 213     | 150000                             | 2.5                   |                                                                                    |         |     |       |         |                                                                                     |
| 7.2                                 | 13400                | 206     | 150000                             | 2.6                   |                                                                                    |         |     |       |         |                                                                                     |
| 2.3                                 | 41600                | 632     | 150000                             | 0.85                  | K<br>KH                                                                            | 167R97  | DRN | 160M4 | 1280    | 713                                                                                 |
| 2.6                                 | 36700                | 561     | 150000                             | 0.95                  |                                                                                    |         |     |       |         |                                                                                     |
| 3.1                                 | 31600                | 481     | 150000                             | 1.10                  |                                                                                    |         |     |       |         |                                                                                     |
| 3.5                                 | 27700                | 423     | 150000                             | 1.25                  |                                                                                    |         |     |       |         |                                                                                     |
| 4.0                                 | 24200                | 369     | 150000                             | 1.45                  |                                                                                    |         |     |       |         |                                                                                     |
| 3.9                                 | 24800                | 379     | 108000                             | 0.80                  | K<br>KF<br>KA<br>KAF                                                               | 157R97  | DRN | 160M4 | 890     | 713                                                                                 |
| 4.4                                 | 21800                | 333     | 110000                             | 0.90                  |                                                                                    |         |     |       |         |                                                                                     |
| 5.1                                 | 19000                | 291     | 111600                             | 1.05                  |                                                                                    |         |     |       |         |                                                                                     |
|                                     |                      |         |                                    |                       |                                                                                    |         |     |       |         |                                                                                     |
| 6.9                                 | 14000                | 213     | 77900                              | 0.95                  | K<br>KF<br>KA<br>KAF                                                               | 127R87  | DRN | 160M4 | 600     | 713                                                                                 |
| 7.3                                 | 13300                | 200     | 79000                              | 0.90                  |                                                                                    |         |     |       |         |                                                                                     |
| 8.9                                 | 11000                | 166     | 80200                              | 1.10                  |                                                                                    |         |     |       |         |                                                                                     |
| 10                                  | 9770                 | 147     | 80800                              | 1.25                  |                                                                                    |         |     |       |         |                                                                                     |
| 8.9                                 | 11700                | 164.50  | 150000                             | 2.9                   | K<br>KH                                                                            | 167     | DRN | 160M4 | 1160    | 709                                                                                 |
| 11                                  | 9620                 | 134.99  | 150000                             | 3.6                   |                                                                                    |         |     |       |         |                                                                                     |
| 9.8                                 | 10700                | 150.41  | 115100                             | 1.85                  | K<br>KF<br>KA<br>KAF                                                               | 157     | DRN | 160M4 | 760     | 702                                                                                 |
| 12                                  | 8720                 | 122.39  | 115600                             | 2.3                   |                                                                                    |         |     |       |         |                                                                                     |
| 15                                  | 7140                 | 100.22  | 115900                             | 2.8                   |                                                                                    |         |     |       |         |                                                                                     |
| 16                                  | 6530                 | 91.65   | 116100                             | 3.1                   |                                                                                    |         |     |       |         |                                                                                     |
| 11                                  | 9700                 | 136.14  | 80800                              | 1.35                  | K<br>KF<br>KA<br>KAF                                                               | 127     | DRN | 160M4 | 530     | 695                                                                                 |
| 12                                  | 8730                 | 122.48  | 81200                              | 1.50                  |                                                                                    |         |     |       |         |                                                                                     |
| 13                                  | 7850                 | 110.18  | 81500                              | 1.65                  |                                                                                    |         |     |       |         |                                                                                     |
| 16                                  | 6410                 | 89.89   | 82000                              | 2.0                   |                                                                                    |         |     |       |         |                                                                                     |
| 18                                  | 5840                 | 81.98   | 82100                              | 2.2                   |                                                                                    |         |     |       |         |                                                                                     |
| 21                                  | 5050                 | 70.95*  | 82300                              | 2.6                   |                                                                                    |         |     |       |         |                                                                                     |
| 13                                  | 8010                 | 112.41* | 57800                              | 1.00                  | K<br>KF<br>KA<br>KAF                                                               | 107     | DRN | 160M4 | 375     | 688                                                                                 |
| 15                                  | 7180                 | 100.75  | 58200                              | 1.10                  |                                                                                    |         |     |       |         |                                                                                     |
| 16                                  | 6480                 | 90.96*  | 57900                              | 1.25                  |                                                                                    |         |     |       |         |                                                                                     |
| 18                                  | 5890                 | 82.61   | 57400                              | 1.35                  |                                                                                    |         |     |       |         |                                                                                     |
| 20                                  | 5220                 | 73.30   | 56700                              | 1.55                  | K<br>KF<br>KA<br>KAF                                                               | 107     | DRN | 160M4 | 375     | 688                                                                                 |
| 22                                  | 4740                 | 66.52*  | 56100                              | 1.70                  |                                                                                    |         |     |       |         |                                                                                     |
| 26                                  | 4070                 | 57.17*  | 54900                              | 1.95                  |                                                                                    |         |     |       |         |                                                                                     |
| 30                                  | 3550                 | 49.90   | 53800                              | 2.2                   |                                                                                    |         |     |       |         |                                                                                     |
| 35                                  | 3010                 | 42.33*  | 52300                              | 2.4                   |                                                                                    |         |     |       |         |                                                                                     |
| 40                                  | 2630                 | 37.00*  | 51000                              | 2.7                   |                                                                                    |         |     |       |         |                                                                                     |
| 21                                  | 5030                 | 70.54   | 32300                              | 0.85                  | K<br>KF<br>KA<br>KAF                                                               | 97      | DRN | 160M4 | 265     | 681                                                                                 |
| 24                                  | 4460                 | 62.55   | 32500                              | 0.95                  |                                                                                    |         |     |       |         |                                                                                     |
| 26                                  | 4030                 | 56.55   | 32500                              | 1.05                  |                                                                                    |         |     |       |         |                                                                                     |
| 31                                  | 3410                 | 47.93*  | 32400                              | 1.25                  |                                                                                    |         |     |       |         |                                                                                     |
| 35                                  | 2980                 | 41.87   | 32200                              | 1.45                  | K<br>KF<br>KA<br>KAF                                                               | 97      | DRN | 160M4 | 265     | 681                                                                                 |
| 38                                  | 2730                 | 38.30   | 31900                              | 1.55                  |                                                                                    |         |     |       |         |                                                                                     |
| 43                                  | 2440                 | 34.23   | 31600                              | 1.75                  |                                                                                    |         |     |       |         |                                                                                     |
| 48                                  | 2190                 | 30.82   | 31200                              | 1.95                  |                                                                                    |         |     |       |         |                                                                                     |
| 53                                  | 1980                 | 27.91   | 30700                              | 2.2                   |                                                                                    |         |     |       |         |                                                                                     |
| 60                                  | 1760                 | 24.75   | 30200                              | 2.4                   |                                                                                    |         |     |       |         |                                                                                     |
| 66                                  | 1590                 | 22.37   | 29700                              | 2.7                   |                                                                                    |         |     |       |         |                                                                                     |

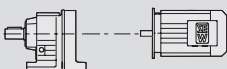
| <b>P<sub>m</sub> = 11.0 kW</b>                  |                                   |          |                                                |                                    |                                                                                    |    |     |       |                       |                                                                                     |
|-------------------------------------------------|-----------------------------------|----------|------------------------------------------------|------------------------------------|------------------------------------------------------------------------------------|----|-----|-------|-----------------------|-------------------------------------------------------------------------------------|
| <b>n<sub>a</sub></b><br><b>min<sup>-1</sup></b> | <b>M<sub>a</sub></b><br><b>Nm</b> | <b>i</b> | <b>F<sub>Ra</sub><sup>1)</sup></b><br><b>N</b> | <b>SEW</b><br><b>f<sub>B</sub></b> |  |    |     |       | <b>m</b><br><b>kg</b> |  |
| 33                                              | 3130                              | 44.02    | 20100                                          | 0.85                               | K                                                                                  | 87 | DRN | 160M4 | 205                   | 674                                                                                 |
| 40                                              | 2600                              | 36.52*   | 20500                                          | 0.95                               | KF                                                                                 | 87 | DRN | 160M4 | 210                   | 675                                                                                 |
| 47                                              | 2230                              | 31.39    | 20600                                          | 1.20                               | KA                                                                                 | 87 | DRN | 160M4 | 190                   | 677                                                                                 |
| 53                                              | 1980                              | 27.88    | 20500                                          | 1.30                               | KAF                                                                                | 87 | DRN | 160M4 | 205                   | 675                                                                                 |
| 59                                              | 1770                              | 24.92    | 20400                                          | 1.40                               |                                                                                    |    |     |       |                       |                                                                                     |
| 66                                              | 1590                              | 22.41    | 20300                                          | 1.45                               |                                                                                    |    |     |       |                       |                                                                                     |
| 76                                              | 1380                              | 19.45    | 20000                                          | 1.65                               |                                                                                    |    |     |       |                       |                                                                                     |
| 85                                              | 1240                              | 17.42    | 19800                                          | 1.75                               |                                                                                    |    |     |       |                       |                                                                                     |
| 92                                              | 1140                              | 16.00    | 18800                                          | 1.60                               | K                                                                                  | 87 | DRN | 160M4 | 205                   | 674                                                                                 |
| 102                                             | 1030                              | 14.45    | 19300                                          | 2.0                                | KF                                                                                 | 87 | DRN | 160M4 | 210                   | 675                                                                                 |
| 117                                             | 890                               | 12.56    | 18900                                          | 2.2                                | KA                                                                                 | 87 | DRN | 160M4 | 190                   | 677                                                                                 |
| 132                                             | 795                               | 11.17    | 17900                                          | 1.90                               | KAF                                                                                | 87 | DRN | 160M4 | 205                   | 675                                                                                 |
| 147                                             | 710                               | 10.00    | 17600                                          | 2.1                                |                                                                                    |    |     |       |                       |                                                                                     |
| 178                                             | 590                               | 8.29     | 17000                                          | 2.4                                |                                                                                    |    |     |       |                       |                                                                                     |
| 204                                             | 510                               | 7.21     | 16600                                          | 2.5                                |                                                                                    |    |     |       |                       |                                                                                     |
| 64                                              | 1640                              | 23.08    | 14700                                          | 0.95                               |                                                                                    |    |     |       |                       |                                                                                     |
| 73                                              | 1440                              | 20.25    | 16100                                          | 1.05                               |                                                                                    |    |     |       |                       |                                                                                     |
| 82                                              | 1270                              | 17.87    | 16600                                          | 1.15                               |                                                                                    |    |     |       |                       |                                                                                     |
| 93                                              | 1120                              | 15.84    | 16500                                          | 1.25                               | K                                                                                  | 77 | DRN | 160M4 | 165                   | 667                                                                                 |
| 109                                             | 960                               | 13.52    | 16200                                          | 1.40                               | KF                                                                                 | 77 | DRN | 160M4 | 175                   | 668                                                                                 |
| 119                                             | 880                               | 12.36    | 15500                                          | 1.15                               | KA                                                                                 | 77 | DRN | 160M4 | 160                   | 670                                                                                 |
| 136                                             | 770                               | 10.84    | 15300                                          | 1.30                               | KAF                                                                                | 77 | DRN | 160M4 | 165                   | 668                                                                                 |
| 154                                             | 680                               | 9.56     | 15000                                          | 1.40                               |                                                                                    |    |     |       |                       |                                                                                     |
| 174                                             | 600                               | 8.48     | 14800                                          | 1.45                               |                                                                                    |    |     |       |                       |                                                                                     |
| 203                                             | 515                               | 7.24     | 14400                                          | 1.60                               |                                                                                    |    |     |       |                       |                                                                                     |

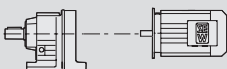
  

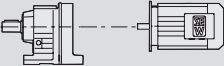
| <b>P<sub>m</sub> = 15.0 kW</b>                  |                                   |          |                                                |                                    |                                                                                      |         |     |       |                       |                                                                                       |
|-------------------------------------------------|-----------------------------------|----------|------------------------------------------------|------------------------------------|--------------------------------------------------------------------------------------|---------|-----|-------|-----------------------|---------------------------------------------------------------------------------------|
| <b>n<sub>a</sub></b><br><b>min<sup>-1</sup></b> | <b>M<sub>a</sub></b><br><b>Nm</b> | <b>i</b> | <b>F<sub>Ra</sub><sup>1)</sup></b><br><b>N</b> | <b>SEW</b><br><b>f<sub>B</sub></b> |  |         |     |       | <b>m</b><br><b>kg</b> |  |
| 2.0                                             | 65200                             | 729      | 190000                                         | 0.80                               |                                                                                      |         |     |       |                       |                                                                                       |
| 2.4                                             | 55600                             | 622      | 190000                                         | 0.95                               |                                                                                      |         |     |       |                       |                                                                                       |
| 2.8                                             | 47100                             | 520      | 190000                                         | 1.15                               | K                                                                                    | 187R107 | DRN | 160L4 | 1930                  | 713                                                                                   |
| 3.2                                             | 41000                             | 454      | 190000                                         | 1.30                               | KH                                                                                   | 187R107 | DRN | 160L4 | 1860                  | 713                                                                                   |
| 4.2                                             | 31700                             | 355      | 190000                                         | 1.65                               |                                                                                      |         |     |       |                       |                                                                                       |
| 5.7                                             | 23500                             | 261      | 190000                                         | 2.2                                |                                                                                      |         |     |       |                       |                                                                                       |
| 4.6                                             | 28800                             | 318      | 150000                                         | 1.20                               |                                                                                      |         |     |       |                       |                                                                                       |
| 5.3                                             | 25000                             | 278      | 150000                                         | 1.40                               |                                                                                      |         |     |       |                       |                                                                                       |
| 6.0                                             | 21700                             | 244      | 150000                                         | 1.60                               | K                                                                                    | 167R107 | DRN | 160L4 | 1350                  | 713                                                                                   |
| 6.9                                             | 18900                             | 213      | 150000                                         | 1.85                               | KH                                                                                   | 167R107 | DRN | 160L4 | 1310                  | 713                                                                                   |
| 7.2                                             | 18400                             | 206      | 150000                                         | 1.90                               |                                                                                      |         |     |       |                       |                                                                                       |
| 8.2                                             | 15900                             | 180      | 150000                                         | 2.2                                |                                                                                      |         |     |       |                       |                                                                                       |
| 9.2                                             | 14400                             | 160      | 150000                                         | 2.4                                |                                                                                      |         |     |       |                       |                                                                                       |
| 5.8                                             | 22600                             | 253      | 109500                                         | 0.90                               |                                                                                      |         |     |       |                       |                                                                                       |
| 6.4                                             | 20400                             | 230      | 110900                                         | 1.00                               | K                                                                                    | 157R107 | DRN | 160L4 | 950                   | 713                                                                                   |
| 6.9                                             | 19100                             | 213      | 111600                                         | 1.05                               | KF                                                                                   | 157R107 | DRN | 160L4 | 1030                  | 713                                                                                   |
| 7.9                                             | 16500                             | 187      | 112900                                         | 1.20                               | KA                                                                                   | 157R107 | DRN | 160L4 | 920                   | 713                                                                                   |
| 9.4                                             | 14000                             | 157      | 113900                                         | 1.40                               | KAF                                                                                  | 157R107 | DRN | 160L4 | 980                   | 713                                                                                   |
| 12                                              | 11000                             | 122      | 115000                                         | 1.80                               |                                                                                      |         |     |       |                       |                                                                                       |
| 14                                              | 9610                              | 107      | 115400                                         | 2.1                                |                                                                                      |         |     |       |                       |                                                                                       |
| 9.0                                             | 15900                             | 164.50   | 150000                                         | 2.1                                | K                                                                                    | 167     | DRN | 160L4 | 1170                  | 709                                                                                   |
| 11                                              | 13100                             | 134.99   | 150000                                         | 2.7                                | KH                                                                                   | 167     | DRN | 160L4 | 1130                  | 710                                                                                   |
| 9.8                                             | 14600                             | 150.41   | 113700                                         | 1.35                               | K                                                                                    | 157     | DRN | 160L4 | 780                   | 702                                                                                   |
| 12                                              | 11800                             | 122.39   | 114700                                         | 1.70                               | KF                                                                                   | 157     | DRN | 160L4 | 860                   | 703                                                                                   |
| 15                                              | 9730                              | 100.22   | 114000                                         | 2.0                                | KA                                                                                   | 157     | DRN | 160L4 | 740                   | 705                                                                                   |
| 16                                              | 8900                              | 91.65    | 112300                                         | 2.2                                | KAF                                                                                  | 157     | DRN | 160L4 | 800                   | 703                                                                                   |
| 18                                              | 7750                              | 79.75    | 109400                                         | 2.6                                |                                                                                      |         |     |       |                       |                                                                                       |
| 11                                              | 13200                             | 136.14   | 79000                                          | 1.00                               | K                                                                                    | 127     | DRN | 160L4 | 550                   | 695                                                                                   |
| 12                                              | 11900                             | 122.48   | 79800                                          | 1.10                               | KF                                                                                   | 127     | DRN | 160L4 | 590                   | 696                                                                                   |
| 13                                              | 10700                             | 110.18   | 80400                                          | 1.20                               | KA                                                                                   | 127     | DRN | 160L4 | 520                   | 698                                                                                   |
|                                                 |                                   |          |                                                |                                    | KAF                                                                                  | 127     | DRN | 160L4 | 560                   | 696                                                                                   |

| P <sub>m</sub> = 15.0 kW            |                      |        |                                    |                       |                                                                                    |     |     |       |         |                                                                                     |
|-------------------------------------|----------------------|--------|------------------------------------|-----------------------|------------------------------------------------------------------------------------|-----|-----|-------|---------|-------------------------------------------------------------------------------------|
| n <sub>a</sub><br>min <sup>-1</sup> | M <sub>a</sub><br>Nm | i      | F <sub>Ra</sub> <sup>1)</sup><br>N | SEW<br>f <sub>B</sub> |  |     |     |       | m<br>kg |  |
| 16                                  | 8730                 | 89.89  | 81200                              | 1.50                  | K<br>KF<br>KA<br>KAF                                                               | 127 | DRN | 160L4 | 550     | 695                                                                                 |
| 18                                  | 7960                 | 81.98  | 81500                              | 1.65                  |                                                                                    |     |     |       |         |                                                                                     |
| 21                                  | 6890                 | 70.95* | 81400                              | 1.90                  |                                                                                    |     |     |       |         |                                                                                     |
| 24                                  | 6080                 | 62.60  | 79800                              | 2.1                   |                                                                                    |     |     |       |         |                                                                                     |
| 27                                  | 5250                 | 54.07  | 77800                              | 2.5                   |                                                                                    |     |     |       |         |                                                                                     |
| 31                                  | 4640                 | 47.82  | 76100                              | 2.8                   |                                                                                    |     |     |       |         |                                                                                     |
| 16                                  | 8830                 | 90.96* | 48300                              | 0.90                  | K<br>KF<br>KA<br>KAF                                                               | 107 | DRN | 160L4 | 395     | 688                                                                                 |
| 18                                  | 8020                 | 82.61  | 49500                              | 1.00                  |                                                                                    |     |     |       |         |                                                                                     |
| 20                                  | 7120                 | 73.30  | 50500                              | 1.10                  |                                                                                    |     |     |       |         |                                                                                     |
| 22                                  | 6460                 | 66.52* | 51000                              | 1.25                  |                                                                                    |     |     |       |         |                                                                                     |
| 26                                  | 5550                 | 57.17* | 50600                              | 1.45                  | K<br>KF<br>KA<br>KAF                                                               | 107 | DRN | 160L4 | 395     | 688                                                                                 |
| 30                                  | 4840                 | 49.90  | 50000                              | 1.60                  |                                                                                    |     |     |       |         |                                                                                     |
| 35                                  | 4110                 | 42.33* | 49000                              | 1.80                  |                                                                                    |     |     |       |         |                                                                                     |
| 40                                  | 3590                 | 37.00* | 48100                              | 2.0                   |                                                                                    |     |     |       |         |                                                                                     |
| 45                                  | 3170                 | 32.69  | 47200                              | 2.3                   |                                                                                    |     |     |       |         |                                                                                     |
| 47                                  | 3030                 | 31.28* | 46900                              | 2.2                   |                                                                                    |     |     |       |         |                                                                                     |
| 51                                  | 2810                 | 29.00  | 46300                              | 2.6                   |                                                                                    |     |     |       |         |                                                                                     |
| 31                                  | 4650                 | 47.93* | 28100                              | 0.90                  | K<br>KF<br>KA<br>KAF                                                               | 97  | DRN | 160L4 | 280     | 681                                                                                 |
| 35                                  | 4060                 | 41.87  | 28400                              | 1.05                  |                                                                                    |     |     |       |         |                                                                                     |
| 38                                  | 3720                 | 38.30  | 28500                              | 1.15                  |                                                                                    |     |     |       |         |                                                                                     |
| 43                                  | 3320                 | 34.23  | 28500                              | 1.30                  |                                                                                    |     |     |       |         |                                                                                     |
| 48                                  | 2990                 | 30.82  | 28400                              | 1.45                  |                                                                                    |     |     |       |         |                                                                                     |
| 53                                  | 2710                 | 27.91  | 28200                              | 1.60                  | K<br>KF<br>KA<br>KAF                                                               | 97  | DRN | 160L4 | 280     | 681                                                                                 |
| 60                                  | 2400                 | 24.75  | 28000                              | 1.80                  |                                                                                    |     |     |       |         |                                                                                     |
| 66                                  | 2170                 | 22.37  | 27700                              | 2.0                   |                                                                                    |     |     |       |         |                                                                                     |
| 78                                  | 1840                 | 18.96  | 27100                              | 2.3                   |                                                                                    |     |     |       |         |                                                                                     |
| 89                                  | 1600                 | 16.56  | 26600                              | 2.7                   |                                                                                    |     |     |       |         |                                                                                     |
| 47                                  | 3040                 | 31.39  | 17300                              | 0.90                  | K<br>KF<br>KA<br>KAF                                                               | 87  | DRN | 160L4 | 220     | 674                                                                                 |
| 53                                  | 2700                 | 27.88  | 17600                              | 0.95                  |                                                                                    |     |     |       |         |                                                                                     |
| 59                                  | 2420                 | 24.92  | 17900                              | 1.05                  |                                                                                    |     |     |       |         |                                                                                     |
| 66                                  | 2170                 | 22.41  | 18000                              | 1.05                  |                                                                                    |     |     |       |         |                                                                                     |
| 76                                  | 1880                 | 19.45  | 18000                              | 1.20                  |                                                                                    |     |     |       |         |                                                                                     |
| 85                                  | 1690                 | 17.42  | 18000                              | 1.30                  |                                                                                    |     |     |       |         |                                                                                     |
| 92                                  | 1550                 | 16.00  | 16800                              | 1.15                  | K<br>KF<br>KA<br>KAF                                                               | 87  | DRN | 160L4 | 220     | 674                                                                                 |
| 102                                 | 1400                 | 14.45  | 17800                              | 1.50                  |                                                                                    |     |     |       |         |                                                                                     |
| 117                                 | 1220                 | 12.56  | 17600                              | 1.65                  |                                                                                    |     |     |       |         |                                                                                     |
| 132                                 | 1080                 | 11.17  | 16600                              | 1.40                  |                                                                                    |     |     |       |         |                                                                                     |
| 147                                 | 970                  | 10.00  | 16400                              | 1.55                  |                                                                                    |     |     |       |         |                                                                                     |
| 178                                 | 800                  | 8.29   | 16000                              | 1.75                  |                                                                                    |     |     |       |         |                                                                                     |
| 204                                 | 700                  | 7.21   | 15700                              | 1.85                  |                                                                                    |     |     |       |         |                                                                                     |

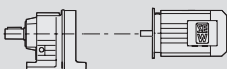
| P <sub>m</sub> = 18.5 kW            |                      |     |                                    |                       |                                                                                      |         |     |       |         |                                                                                       |
|-------------------------------------|----------------------|-----|------------------------------------|-----------------------|--------------------------------------------------------------------------------------|---------|-----|-------|---------|---------------------------------------------------------------------------------------|
| n <sub>a</sub><br>min <sup>-1</sup> | M <sub>a</sub><br>Nm | i   | F <sub>Ra</sub> <sup>1)</sup><br>N | SEW<br>f <sub>B</sub> |  |         |     |       | m<br>kg |  |
| 2.8                                 | 58000                | 520 | 190000                             | 0.90                  | K<br>KH                                                                              | 187R107 | DRN | 180M4 | 1950    | 713                                                                                   |
| 3.3                                 | 50500                | 454 | 190000                             | 1.05                  |                                                                                      |         |     |       |         |                                                                                       |
| 4.2                                 | 39100                | 355 | 190000                             | 1.35                  |                                                                                      |         |     |       |         |                                                                                       |
| 5.7                                 | 29000                | 261 | 190000                             | 1.80                  |                                                                                      |         |     |       |         |                                                                                       |
| 6.7                                 | 24600                | 221 | 190000                             | 2.1                   |                                                                                      |         |     |       |         |                                                                                       |
| 4.7                                 | 35500                | 318 | 150000                             | 1.00                  | K<br>KH                                                                              | 167R107 | DRN | 180M4 | 1370    | 713                                                                                   |
| 5.3                                 | 30900                | 278 | 150000                             | 1.15                  |                                                                                      |         |     |       |         |                                                                                       |
| 6.1                                 | 26800                | 244 | 150000                             | 1.30                  |                                                                                      |         |     |       |         |                                                                                       |
| 6.9                                 | 23400                | 213 | 150000                             | 1.50                  |                                                                                      |         |     |       |         |                                                                                       |
| 7.2                                 | 22800                | 206 | 150000                             | 1.55                  |                                                                                      |         |     |       |         |                                                                                       |
| 8.2                                 | 19700                | 180 | 150000                             | 1.75                  |                                                                                      |         |     |       |         |                                                                                       |
| 9.3                                 | 17700                | 160 | 150000                             | 1.95                  |                                                                                      |         |     |       |         |                                                                                       |
| 11                                  | 15000                | 135 | 150000                             | 2.3                   |                                                                                      |         |     |       |         |                                                                                       |
| 12                                  | 13100                | 118 | 150000                             | 2.7                   |                                                                                      |         |     |       |         |                                                                                       |
| 6.9                                 | 23600                | 213 | 108800                             | 0.85                  | K<br>KF<br>KA<br>KAF                                                                 | 157R107 | DRN | 180M4 | 980     | 713                                                                                   |
| 7.9                                 | 20400                | 187 | 110800                             | 1.00                  |                                                                                      |         |     |       |         |                                                                                       |
| 9.4                                 | 17300                | 157 | 112500                             | 1.15                  |                                                                                      |         |     |       |         |                                                                                       |
| 12                                  | 13600                | 122 | 113800                             | 1.45                  |                                                                                      |         |     |       |         |                                                                                       |
| 14                                  | 11800                | 107 | 111900                             | 1.70                  |                                                                                      |         |     |       |         |                                                                                       |

| P <sub>m</sub> = 18.5 kW            |                      |        |                                    |                       |                                                                                    |                          |                          |                                  |                          |                                                                                     |
|-------------------------------------|----------------------|--------|------------------------------------|-----------------------|------------------------------------------------------------------------------------|--------------------------|--------------------------|----------------------------------|--------------------------|-------------------------------------------------------------------------------------|
| n <sub>a</sub><br>min <sup>-1</sup> | M <sub>a</sub><br>Nm | i      | F <sub>Ra</sub> <sup>1)</sup><br>N | SEW<br>f <sub>B</sub> |  |                          |                          |                                  | m<br>kg                  |  |
| 8.2                                 | 21400                | 179.86 | 190000                             | 2.5                   | K<br>KH                                                                            | 187<br>187               | DRN<br>DRN               | 180M4<br>180M4                   | 1780<br>1710             | 711<br>712                                                                          |
| 8.9                                 | 19700                | 165.21 | 190000                             | 2.7                   |                                                                                    |                          |                          |                                  |                          |                                                                                     |
| 10                                  | 17200                | 144.59 | 190000                             | 3.1                   |                                                                                    |                          |                          |                                  |                          |                                                                                     |
| 11                                  | 15500                | 129.69 | 190000                             | 3.4                   |                                                                                    |                          |                          |                                  |                          |                                                                                     |
| 11                                  | 16100                | 134.99 | 150000                             | 2.2                   | K<br>KH                                                                            | 167<br>167               | DRN<br>DRN               | 180M4<br>180M4                   | 1200<br>1160             | 709<br>710                                                                          |
| 13                                  | 13100                | 109.83 | 150000                             | 2.7                   |                                                                                    |                          |                          |                                  |                          |                                                                                     |
| 17                                  | 10500                | 87.86  | 150000                             | 3.3                   |                                                                                    |                          |                          |                                  |                          |                                                                                     |
| 12                                  | 14600                | 122.39 | 111600                             | 1.35                  |                                                                                    |                          |                          |                                  |                          |                                                                                     |
| 15                                  | 11900                | 100.22 | 109000                             | 1.65                  | K<br>KF<br>KA<br>KAF                                                               | 157<br>157<br>157<br>157 | DRN<br>DRN<br>DRN<br>DRN | 180M4<br>180M4<br>180M4<br>180M4 | 800<br>880<br>770<br>820 | 702<br>703<br>705<br>703                                                            |
| 16                                  | 10900                | 91.65  | 107700                             | 1.85                  |                                                                                    |                          |                          |                                  |                          |                                                                                     |
| 19                                  | 9530                 | 79.75  | 105400                             | 2.1                   |                                                                                    |                          |                          |                                  |                          |                                                                                     |
| 21                                  | 8410                 | 70.38  | 103200                             | 2.4                   |                                                                                    |                          |                          |                                  |                          |                                                                                     |
| 24                                  | 7290                 | 61.02  | 100600                             | 2.7                   |                                                                                    |                          |                          |                                  |                          |                                                                                     |
| 27                                  | 6480                 | 54.29  | 98300                              | 3.1                   |                                                                                    |                          |                          |                                  |                          |                                                                                     |
| 32                                  | 5590                 | 46.79  | 95400                              | 3.6                   |                                                                                    |                          |                          |                                  |                          |                                                                                     |
| 39                                  | 4540                 | 38.02  | 91200                              | 4.4                   |                                                                                    |                          |                          |                                  |                          |                                                                                     |
| 13                                  | 13100                | 110.18 | 79100                              | 1.00                  |                                                                                    |                          |                          |                                  |                          |                                                                                     |
| 16                                  | 10700                | 89.89  | 79000                              | 1.20                  | KF                                                                                 | 127                      | DRN                      | 180M4                            | 610                      | 696                                                                                 |
| 18                                  | 9790                 | 81.98  | 78500                              | 1.35                  | KA                                                                                 | 127                      | DRN                      | 180M4                            | 540                      | 698                                                                                 |
|                                     |                      |        |                                    |                       | KAF                                                                                | 127                      | DRN                      | 180M4                            | 580                      | 696                                                                                 |
| 21                                  | 8480                 | 70.95* | 77400                              | 1.55                  | K<br>KF<br>KA<br>KAF                                                               | 127<br>127<br>127<br>127 | DRN<br>DRN<br>DRN<br>DRN | 180M4<br>180M4<br>180M4<br>180M4 | 570<br>610<br>540<br>580 | 695<br>696<br>698<br>696                                                            |
| 24                                  | 7480                 | 62.60  | 76300                              | 1.75                  |                                                                                    |                          |                          |                                  |                          |                                                                                     |
| 27                                  | 6460                 | 54.07  | 74700                              | 2.0                   |                                                                                    |                          |                          |                                  |                          |                                                                                     |
| 31                                  | 5710                 | 47.82  | 73300                              | 2.3                   |                                                                                    |                          |                          |                                  |                          |                                                                                     |
| 37                                  | 4800                 | 40.19  | 71100                              | 2.7                   |                                                                                    |                          |                          |                                  |                          |                                                                                     |
| 41                                  | 4330                 | 36.25  | 69800                              | 3.0                   |                                                                                    |                          |                          |                                  |                          |                                                                                     |
| 47                                  | 3740                 | 31.37  | 67800                              | 3.5                   |                                                                                    |                          |                          |                                  |                          |                                                                                     |
| 53                                  | 3300                 | 27.68  | 66100                              | 3.9                   |                                                                                    |                          |                          |                                  |                          |                                                                                     |
| 20                                  | 8760                 | 73.30  | 42900                              | 0.90                  | K                                                                                  | 107                      | DRN                      | 180M4                            | 415                      | 688                                                                                 |
| 22                                  | 7950                 | 66.52* | 44300                              | 1.00                  | KF                                                                                 | 107                      | DRN                      | 180M4                            | 425                      | 689                                                                                 |
| 26                                  | 6830                 | 57.17* | 45800                              | 1.15                  | KA                                                                                 | 107                      | DRN                      | 180M4                            | 385                      | 691                                                                                 |
| 30                                  | 5960                 | 49.90  | 46600                              | 1.30                  | KAF                                                                                | 107                      | DRN                      | 180M4                            | 410                      | 689                                                                                 |
| 35                                  | 5050                 | 42.33* | 46200                              | 1.45                  | K<br>KF<br>KA<br>KAF                                                               | 107<br>107<br>107<br>107 | DRN<br>DRN<br>DRN<br>DRN | 180M4<br>180M4<br>180M4<br>180M4 | 415<br>425<br>385<br>410 | 688<br>689<br>691<br>689                                                            |
| 40                                  | 4420                 | 37.00* | 45700                              | 1.65                  |                                                                                    |                          |                          |                                  |                          |                                                                                     |
| 45                                  | 3900                 | 32.69  | 45000                              | 1.85                  |                                                                                    |                          |                          |                                  |                          |                                                                                     |
| 47                                  | 3730                 | 31.28* | 44800                              | 1.80                  |                                                                                    |                          |                          |                                  |                          |                                                                                     |
| 51                                  | 3460                 | 29.00  | 44300                              | 2.1                   |                                                                                    |                          |                          |                                  |                          |                                                                                     |
| 56                                  | 3140                 | 26.32  | 43700                              | 2.3                   |                                                                                    |                          |                          |                                  |                          |                                                                                     |
| 65                                  | 2700                 | 22.62  | 42700                              | 2.7                   |                                                                                    |                          |                          |                                  |                          |                                                                                     |
| 75                                  | 2350                 | 19.74  | 41700                              | 3.0                   |                                                                                    |                          |                          |                                  |                          |                                                                                     |
| 88                                  | 2000                 | 16.75  | 40400                              | 3.5                   |                                                                                    |                          |                          |                                  |                          |                                                                                     |
| 35                                  | 5000                 | 41.87  | 25100                              | 0.85                  | K                                                                                  | 97                       | DRN                      | 180M4                            | 300                      | 681                                                                                 |
| 48                                  | 3680                 | 30.82  | 26000                              | 1.15                  | KF                                                                                 | 97                       | DRN                      | 180M4                            | 320                      | 682                                                                                 |
| 53                                  | 3330                 | 27.91  | 26000                              | 1.30                  | KA                                                                                 | 97                       | DRN                      | 180M4                            | 280                      | 684                                                                                 |
| 60                                  | 2950                 | 24.75  | 26000                              | 1.45                  | KAF                                                                                | 97                       | DRN                      | 180M4                            | 305                      | 682                                                                                 |
| 66                                  | 2670                 | 22.37  | 25900                              | 1.60                  | K<br>KF<br>KA<br>KAF                                                               | 97<br>97<br>97<br>97     | DRN<br>DRN<br>DRN<br>DRN | 180M4<br>180M4<br>180M4<br>180M4 | 300<br>320<br>280<br>305 | 681<br>682<br>684<br>682                                                            |
| 78                                  | 2260                 | 18.96  | 25600                              | 1.90                  |                                                                                    |                          |                          |                                  |                          |                                                                                     |
| 89                                  | 1970                 | 16.56  | 25300                              | 2.2                   |                                                                                    |                          |                          |                                  |                          |                                                                                     |
| 107                                 | 1650                 | 13.85  | 24700                              | 2.6                   |                                                                                    |                          |                          |                                  |                          |                                                                                     |
| 123                                 | 1430                 | 11.99  | 24200                              | 2.7                   |                                                                                    |                          |                          |                                  |                          |                                                                                     |
| 59                                  | 2970                 | 24.92  | 15600                              | 0.85                  | K<br>KF<br>KA<br>KAF                                                               | 87<br>87<br>87<br>87     | DRN<br>DRN<br>DRN<br>DRN | 180M4<br>180M4<br>180M4<br>180M4 | 240<br>250<br>230<br>240 | 674<br>675<br>677<br>675                                                            |
| 66                                  | 2670                 | 22.41  | 15900                              | 0.85                  |                                                                                    |                          |                          |                                  |                          |                                                                                     |
| 76                                  | 2320                 | 19.45  | 16200                              | 1.00                  |                                                                                    |                          |                          |                                  |                          |                                                                                     |
| 85                                  | 2080                 | 17.42  | 16400                              | 1.05                  |                                                                                    |                          |                          |                                  |                          |                                                                                     |
| 102                                 | 1720                 | 14.45  | 16500                              | 1.20                  |                                                                                    |                          |                          |                                  |                          |                                                                                     |
| 118                                 | 1500                 | 12.56  | 16400                              | 1.35                  |                                                                                    |                          |                          |                                  |                          |                                                                                     |
| 132                                 | 1330                 | 11.17  | 15400                              | 1.10                  |                                                                                    |                          |                          |                                  |                          |                                                                                     |
| 148                                 | 1190                 | 10.00  | 15300                              | 1.25                  |                                                                                    |                          |                          |                                  |                          |                                                                                     |
| 178                                 | 990                  | 8.29   | 15100                              | 1.40                  |                                                                                    |                          |                          |                                  |                          |                                                                                     |
| 205                                 | 860                  | 7.21   | 14900                              | 1.50                  |                                                                                    |                          |                          |                                  |                          |                                                                                     |

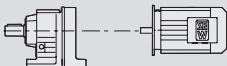
| P <sub>m</sub> = 22 kW              |                      |        |                                    |                       |                                                                                    |                          |                          |                                  |                          |                                                                                     |
|-------------------------------------|----------------------|--------|------------------------------------|-----------------------|------------------------------------------------------------------------------------|--------------------------|--------------------------|----------------------------------|--------------------------|-------------------------------------------------------------------------------------|
| n <sub>a</sub><br>min <sup>-1</sup> | M <sub>a</sub><br>Nm | i      | F <sub>Ra</sub> <sup>1)</sup><br>N | SEW<br>f <sub>B</sub> |  |                          |                          |                                  | m<br>kg                  |  |
| 3.2                                 | 60300                | 454    | 190000                             | 0.90                  | K<br>KH                                                                            | 187R107<br>187R107       | DRN<br>DRN               | 180L4<br>180L4                   | 1970<br>1900             | 713<br>713                                                                          |
| 4.2                                 | 46600                | 355    | 190000                             | 1.15                  |                                                                                    |                          |                          |                                  |                          |                                                                                     |
| 5.7                                 | 34600                | 261    | 190000                             | 1.55                  |                                                                                    |                          |                          |                                  |                          |                                                                                     |
| 6.7                                 | 29300                | 221    | 190000                             | 1.80                  |                                                                                    |                          |                          |                                  |                          |                                                                                     |
| 7.6                                 | 25600                | 193    | 190000                             | 2.1                   |                                                                                    |                          |                          |                                  |                          |                                                                                     |
| 9.0                                 | 21500                | 163    | 190000                             | 2.5                   |                                                                                    |                          |                          |                                  |                          |                                                                                     |
| 4.6                                 | 42300                | 318    | 150000                             | 0.85                  | K<br>KH                                                                            | 167R107<br>167R107       | DRN<br>DRN               | 180L4<br>180L4                   | 1380<br>1350             | 713<br>713                                                                          |
| 5.3                                 | 36800                | 278    | 150000                             | 0.95                  |                                                                                    |                          |                          |                                  |                          |                                                                                     |
| 6.1                                 | 32000                | 244    | 150000                             | 1.10                  |                                                                                    |                          |                          |                                  |                          |                                                                                     |
| 6.9                                 | 27900                | 213    | 150000                             | 1.25                  |                                                                                    |                          |                          |                                  |                          |                                                                                     |
| 7.2                                 | 27200                | 206    | 150000                             | 1.30                  |                                                                                    |                          |                          |                                  |                          |                                                                                     |
| 8.2                                 | 23500                | 180    | 150000                             | 1.50                  |                                                                                    |                          |                          |                                  |                          |                                                                                     |
| 9.2                                 | 21200                | 160    | 150000                             | 1.65                  |                                                                                    |                          |                          |                                  |                          |                                                                                     |
| 11                                  | 17900                | 135    | 150000                             | 1.95                  |                                                                                    |                          |                          |                                  |                          |                                                                                     |
| 12                                  | 15600                | 118    | 150000                             | 2.2                   |                                                                                    |                          |                          |                                  |                          |                                                                                     |
| 7.9                                 | 24400                | 187    | 108300                             | 0.80                  | K                                                                                  | 157R107                  | DRN                      | 180L4                            | 990                      | 713                                                                                 |
| 9.4                                 | 20700                | 157    | 109400                             | 0.95                  | KF                                                                                 | 157R107                  | DRN                      | 180L4                            | 1070                     | 713                                                                                 |
| 12                                  | 16200                | 122    | 108100                             | 1.25                  | KA                                                                                 | 157R107                  | DRN                      | 180L4                            | 950                      | 713                                                                                 |
| 14                                  | 14100                | 107    | 106900                             | 1.40                  | KAF                                                                                | 157R107                  | DRN                      | 180L4                            | 1010                     | 713                                                                                 |
| 8.2                                 | 25500                | 179.86 | 190000                             | 2.1                   | K<br>KH                                                                            | 187<br>187               | DRN<br>DRN               | 180L4<br>180L4                   | 1790<br>1730             | 711<br>712                                                                          |
| 8.9                                 | 23400                | 165.21 | 190000                             | 2.3                   |                                                                                    |                          |                          |                                  |                          |                                                                                     |
| 10                                  | 20500                | 144.59 | 190000                             | 2.6                   |                                                                                    |                          |                          |                                  |                          |                                                                                     |
| 11                                  | 18400                | 129.69 | 190000                             | 2.9                   |                                                                                    |                          |                          |                                  |                          |                                                                                     |
| 11                                  | 19100                | 134.99 | 150000                             | 1.80                  | K<br>KH                                                                            | 167<br>167               | DRN<br>DRN               | 180L4<br>180L4                   | 1210<br>1170             | 709<br>710                                                                          |
| 13                                  | 15600                | 109.83 | 150000                             | 2.2                   |                                                                                    |                          |                          |                                  |                          |                                                                                     |
| 17                                  | 12400                | 87.86  | 150000                             | 2.8                   |                                                                                    |                          |                          |                                  |                          |                                                                                     |
| 19                                  | 11100                | 78.14  | 150000                             | 3.1                   |                                                                                    |                          |                          |                                  |                          |                                                                                     |
| 12                                  | 17400                | 122.39 | 105500                             | 1.15                  | K<br>KF<br>KA<br>KAF                                                               | 157<br>157<br>157<br>157 | DRN<br>DRN<br>DRN<br>DRN | 180L4<br>180L4<br>180L4<br>180L4 | 820<br>900<br>780<br>840 | 702<br>703<br>705<br>703                                                            |
| 15                                  | 14200                | 100.22 | 104000                             | 1.40                  |                                                                                    |                          |                          |                                  |                          |                                                                                     |
| 16                                  | 13000                | 91.65  | 103100                             | 1.55                  |                                                                                    |                          |                          |                                  |                          |                                                                                     |
| 19                                  | 11300                | 79.75  | 101500                             | 1.75                  |                                                                                    |                          |                          |                                  |                          |                                                                                     |
| 21                                  | 10000                | 70.38  | 99700                              | 2.0                   |                                                                                    |                          |                          |                                  |                          |                                                                                     |
| 24                                  | 8670                 | 61.02  | 97600                              | 2.3                   |                                                                                    |                          |                          |                                  |                          |                                                                                     |
| 27                                  | 7720                 | 54.29  | 95600                              | 2.6                   |                                                                                    |                          |                          |                                  |                          |                                                                                     |
| 32                                  | 6650                 | 46.79  | 93100                              | 3.0                   |                                                                                    |                          |                          |                                  |                          |                                                                                     |
| 39                                  | 5400                 | 38.02  | 89300                              | 3.7                   |                                                                                    |                          |                          |                                  |                          |                                                                                     |
| 16                                  | 12700                | 89.89  | 73900                              | 1.00                  | K                                                                                  | 127                      | DRN                      | 180L4                            | 580                      | 695                                                                                 |
| 18                                  | 11600                | 81.98  | 73800                              | 1.10                  | KF                                                                                 | 127                      | DRN                      | 180L4                            | 630                      | 696                                                                                 |
| 21                                  | 10000                | 70.95* | 73400                              | 1.30                  | KA                                                                                 | 127                      | DRN                      | 180L4                            | 560                      | 698                                                                                 |
| 24                                  | 8900                 | 62.60  | 72700                              | 1.45                  | KAF                                                                                | 127                      | DRN                      | 180L4                            | 590                      | 696                                                                                 |
| 27                                  | 7690                 | 54.07  | 71700                              | 1.70                  | K<br>KF<br>KA<br>KAF                                                               | 127<br>127<br>127<br>127 | DRN<br>DRN<br>DRN<br>DRN | 180L4<br>180L4<br>180L4<br>180L4 | 580<br>630<br>560<br>590 | 695<br>696<br>698<br>696                                                            |
| 31                                  | 6800                 | 47.82  | 70600                              | 1.90                  |                                                                                    |                          |                          |                                  |                          |                                                                                     |
| 37                                  | 5710                 | 40.19  | 68900                              | 2.3                   |                                                                                    |                          |                          |                                  |                          |                                                                                     |
| 41                                  | 5150                 | 36.25  | 67700                              | 2.5                   |                                                                                    |                          |                          |                                  |                          |                                                                                     |
| 47                                  | 4460                 | 31.37  | 66100                              | 2.9                   |                                                                                    |                          |                          |                                  |                          |                                                                                     |
| 53                                  | 3930                 | 27.68  | 64500                              | 3.3                   |                                                                                    |                          |                          |                                  |                          |                                                                                     |
| 62                                  | 3390                 | 23.91  | 62700                              | 3.8                   |                                                                                    |                          |                          |                                  |                          |                                                                                     |
| 70                                  | 3000                 | 21.15  | 61100                              | 4.3                   |                                                                                    |                          |                          |                                  |                          |                                                                                     |
| 26                                  | 8130                 | 57.17* | 39800                              | 1.00                  | K                                                                                  | 107                      | DRN                      | 180L4                            | 430                      | 688                                                                                 |
| 30                                  | 7090                 | 49.90  | 41600                              | 1.10                  | KF                                                                                 | 107                      | DRN                      | 180L4                            | 440                      | 689                                                                                 |
| 35                                  | 6020                 | 42.33* | 42900                              | 1.20                  | KA                                                                                 | 107                      | DRN                      | 180L4                            | 400                      | 691                                                                                 |
|                                     |                      |        |                                    |                       | KAF                                                                                | 107                      | DRN                      | 180L4                            | 425                      | 689                                                                                 |
| 40                                  | 5260                 | 37.00* | 43200                              | 1.35                  | K<br>KF<br>KA<br>KAF                                                               | 107<br>107<br>107<br>107 | DRN<br>DRN<br>DRN<br>DRN | 180L4<br>180L4<br>180L4<br>180L4 | 430<br>440<br>400<br>425 | 688<br>689<br>691<br>689                                                            |
| 45                                  | 4640                 | 32.69  | 42900                              | 1.55                  |                                                                                    |                          |                          |                                  |                          |                                                                                     |
| 47                                  | 4440                 | 31.28* | 42700                              | 1.55                  |                                                                                    |                          |                          |                                  |                          |                                                                                     |
| 51                                  | 4120                 | 29.00  | 42400                              | 1.75                  |                                                                                    |                          |                          |                                  |                          |                                                                                     |
| 56                                  | 3740                 | 26.32  | 42000                              | 1.90                  |                                                                                    |                          |                          |                                  |                          |                                                                                     |
| 65                                  | 3210                 | 22.62  | 41200                              | 2.2                   |                                                                                    |                          |                          |                                  |                          |                                                                                     |
| 75                                  | 2800                 | 19.74  | 40300                              | 2.6                   |                                                                                    |                          |                          |                                  |                          |                                                                                     |
| 88                                  | 2380                 | 16.75  | 39300                              | 3.0                   |                                                                                    |                          |                          |                                  |                          |                                                                                     |
| 101                                 | 2080                 | 14.64  | 38300                              | 3.3                   |                                                                                    |                          |                          |                                  |                          |                                                                                     |
| 110                                 | 1910                 | 13.43  | 36700                              | 2.2                   |                                                                                    |                          |                          |                                  |                          |                                                                                     |
| 126                                 | 1660                 | 11.73  | 35800                              | 2.6                   |                                                                                    |                          |                          |                                  |                          |                                                                                     |
| 149                                 | 1410                 | 9.94   | 34700                              | 3.0                   |                                                                                    |                          |                          |                                  |                          |                                                                                     |

| P <sub>m</sub> = 22 kW              |                      |       |                                    |                       |                                                                                    |    |     |       |         |                                                                                     |
|-------------------------------------|----------------------|-------|------------------------------------|-----------------------|------------------------------------------------------------------------------------|----|-----|-------|---------|-------------------------------------------------------------------------------------|
| n <sub>a</sub><br>min <sup>-1</sup> | M <sub>a</sub><br>Nm | i     | F <sub>Ra</sub> <sup>1)</sup><br>N | SEW<br>f <sub>B</sub> |  |    |     |       | m<br>kg |  |
| 48                                  | 4380                 | 30.82 | 23500                              | 1.00                  | K                                                                                  | 97 | DRN | 180L4 | 315     | 681                                                                                 |
| 53                                  | 3960                 | 27.91 | 23800                              | 1.10                  | KF                                                                                 | 97 | DRN | 180L4 | 335     | 682                                                                                 |
| 60                                  | 3510                 | 24.75 | 24100                              | 1.20                  | KA                                                                                 | 97 | DRN | 180L4 | 300     | 684                                                                                 |
| 66                                  | 3180                 | 22.37 | 24200                              | 1.35                  | KAF                                                                                | 97 | DRN | 180L4 | 325     | 682                                                                                 |
| 78                                  | 2690                 | 18.96 | 24100                              | 1.60                  |                                                                                    |    |     |       |         |                                                                                     |
| 89                                  | 2350                 | 16.56 | 24000                              | 1.85                  | K                                                                                  | 97 | DRN | 180L4 | 315     | 681                                                                                 |
| 107                                 | 1960                 | 13.85 | 23700                              | 2.2                   | KF                                                                                 | 97 | DRN | 180L4 | 335     | 682                                                                                 |
| 123                                 | 1700                 | 11.99 | 23300                              | 2.3                   | KA                                                                                 | 97 | DRN | 180L4 | 300     | 684                                                                                 |
| 142                                 | 1480                 | 10.41 | 21800                              | 1.95                  | KAF                                                                                | 97 | DRN | 180L4 | 325     | 682                                                                                 |
| 170                                 | 1230                 | 8.71  | 21300                              | 2.1                   |                                                                                    |    |     |       |         |                                                                                     |
| 76                                  | 2760                 | 19.45 | 14500                              | 0.85                  |                                                                                    |    |     |       |         |                                                                                     |
| 85                                  | 2470                 | 17.42 | 14800                              | 0.90                  |                                                                                    |    |     |       |         |                                                                                     |
| 102                                 | 2050                 | 14.45 | 15200                              | 1.00                  | K                                                                                  | 87 | DRN | 180L4 | 255     | 674                                                                                 |
| 118                                 | 1780                 | 12.56 | 15300                              | 1.10                  | KF                                                                                 | 87 | DRN | 180L4 | 265     | 675                                                                                 |
| 132                                 | 1580                 | 11.17 | 14200                              | 0.95                  | KA                                                                                 | 87 | DRN | 180L4 | 245     | 677                                                                                 |
| 148                                 | 1420                 | 10.00 | 14300                              | 1.05                  | KAF                                                                                | 87 | DRN | 180L4 | 255     | 675                                                                                 |
| 178                                 | 1170                 | 8.29  | 14300                              | 1.20                  |                                                                                    |    |     |       |         |                                                                                     |
| 205                                 | 1020                 | 7.21  | 14200                              | 1.25                  |                                                                                    |    |     |       |         |                                                                                     |

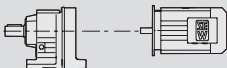
| P <sub>m</sub> = 30 kW              |                      |        |                                    |                       |                                                                                    |                          |                          |                                  |                           |                                                                                     |
|-------------------------------------|----------------------|--------|------------------------------------|-----------------------|------------------------------------------------------------------------------------|--------------------------|--------------------------|----------------------------------|---------------------------|-------------------------------------------------------------------------------------|
| n <sub>a</sub><br>min <sup>-1</sup> | M <sub>a</sub><br>Nm | i      | F <sub>Ra</sub> <sup>1)</sup><br>N | SEW<br>f <sub>B</sub> |  |                          |                          |                                  | m<br>kg                   |  |
| 4.2                                 | 63700                | 355    | 190000                             | 0.85                  | K<br>KH                                                                            | 187R107<br>187R107       | DRN<br>DRN               | 200L4<br>200L4                   | 2080<br>2010              | 713<br>713                                                                          |
| 5.7                                 | 47300                | 261    | 190000                             | 1.10                  |                                                                                    |                          |                          |                                  |                           |                                                                                     |
| 6.7                                 | 40000                | 221    | 190000                             | 1.30                  |                                                                                    |                          |                          |                                  |                           |                                                                                     |
| 7.7                                 | 34900                | 193    | 190000                             | 1.50                  |                                                                                    |                          |                          |                                  |                           |                                                                                     |
| 9.1                                 | 29500                | 163    | 190000                             | 1.80                  |                                                                                    |                          |                          |                                  |                           |                                                                                     |
| 6.1                                 | 43700                | 244    | 150000                             | 0.80                  | K<br>KH                                                                            | 167R107<br>167R107       | DRN<br>DRN               | 200L4<br>200L4                   | 1490<br>1460              | 713<br>713                                                                          |
| 6.9                                 | 38100                | 213    | 150000                             | 0.90                  |                                                                                    |                          |                          |                                  |                           |                                                                                     |
| 7.2                                 | 37200                | 206    | 150000                             | 0.95                  |                                                                                    |                          |                          |                                  |                           |                                                                                     |
| 8.2                                 | 32100                | 180    | 150000                             | 1.10                  |                                                                                    |                          |                          |                                  |                           |                                                                                     |
| 9.3                                 | 28900                | 160    | 150000                             | 1.20                  |                                                                                    |                          |                          |                                  |                           |                                                                                     |
| 11                                  | 24500                | 135    | 150000                             | 1.45                  |                                                                                    |                          |                          |                                  |                           |                                                                                     |
| 13                                  | 21300                | 118    | 150000                             | 1.65                  |                                                                                    |                          |                          |                                  |                           |                                                                                     |
| 8.2                                 | 34800                | 179.86 | 190000                             | 1.50                  | K<br>KH                                                                            | 187<br>187               | DRN<br>DRN               | 200L4<br>200L4                   | 1900<br>1830              | 711<br>712                                                                          |
| 9.0                                 | 31900                | 165.21 | 190000                             | 1.65                  |                                                                                    |                          |                          |                                  |                           |                                                                                     |
| 10                                  | 27900                | 144.59 | 190000                             | 1.90                  |                                                                                    |                          |                          |                                  |                           |                                                                                     |
| 11                                  | 25100                | 129.69 | 190000                             | 2.1                   |                                                                                    |                          |                          |                                  |                           |                                                                                     |
| 13                                  | 21700                | 112.60 | 190000                             | 2.4                   |                                                                                    |                          |                          |                                  |                           |                                                                                     |
| 14                                  | 19700                | 102.16 | 190000                             | 2.7                   |                                                                                    |                          |                          |                                  |                           |                                                                                     |
| 17                                  | 17000                | 88.00  | 190000                             | 3.1                   |                                                                                    |                          |                          |                                  |                           |                                                                                     |
| 13                                  | 21200                | 109.83 | 150000                             | 1.65                  | K<br>KH                                                                            | 167<br>167               | DRN<br>DRN               | 200L4<br>200L4                   | 1320<br>1280              | 709<br>710                                                                          |
| 17                                  | 17000                | 87.86  | 150000                             | 2.1                   |                                                                                    |                          |                          |                                  |                           |                                                                                     |
| 19                                  | 15100                | 78.14  | 150000                             | 2.3                   |                                                                                    |                          |                          |                                  |                           |                                                                                     |
| 22                                  | 13100                | 68.07  | 150000                             | 2.7                   |                                                                                    |                          |                          |                                  |                           |                                                                                     |
| 24                                  | 11700                | 60.74  | 150000                             | 3.0                   |                                                                                    |                          |                          |                                  |                           |                                                                                     |
| 15                                  | 19400                | 100.22 | 92700                              | 1.05                  | K<br>KF<br>KA<br>KAF                                                               | 157<br>157<br>157<br>157 | DRN<br>DRN<br>DRN<br>DRN | 200L4<br>200L4<br>200L4<br>200L4 | 930<br>1000<br>890<br>950 | 702<br>703<br>705<br>703                                                            |
| 16                                  | 17700                | 91.65  | 92800                              | 1.15                  |                                                                                    |                          |                          |                                  |                           |                                                                                     |
| 19                                  | 15400                | 79.75  | 92400                              | 1.30                  |                                                                                    |                          |                          |                                  |                           |                                                                                     |
| 21                                  | 13600                | 70.38  | 91700                              | 1.45                  |                                                                                    |                          |                          |                                  |                           |                                                                                     |
| 24                                  | 11800                | 61.02  | 90600                              | 1.70                  |                                                                                    |                          |                          |                                  |                           |                                                                                     |
| 27                                  | 10500                | 54.29  | 89500                              | 1.90                  |                                                                                    |                          |                          |                                  |                           |                                                                                     |
| 32                                  | 9050                 | 46.79  | 87700                              | 2.2                   |                                                                                    |                          |                          |                                  |                           |                                                                                     |
| 39                                  | 7350                 | 38.02  | 85000                              | 2.7                   |                                                                                    |                          |                          |                                  |                           |                                                                                     |
| 47                                  | 6050                 | 31.30  | 82100                              | 3.1                   |                                                                                    |                          |                          |                                  |                           |                                                                                     |
| 21                                  | 13700                | 70.95* | 64200                              | 0.95                  | K<br>KF<br>KA<br>KAF                                                               | 127<br>127<br>127<br>127 | DRN<br>DRN<br>DRN<br>DRN | 200L4<br>200L4<br>200L4<br>200L4 | 690<br>730<br>660<br>700  | 695<br>696<br>698<br>696                                                            |
| 24                                  | 12100                | 62.60  | 64600                              | 1.05                  |                                                                                    |                          |                          |                                  |                           |                                                                                     |
| 27                                  | 10400                | 54.07  | 64700                              | 1.25                  |                                                                                    |                          |                          |                                  |                           |                                                                                     |
| 31                                  | 9250                 | 47.82  | 64400                              | 1.40                  |                                                                                    |                          |                          |                                  |                           |                                                                                     |
| 37                                  | 7770                 | 40.19  | 63700                              | 1.65                  |                                                                                    |                          |                          |                                  |                           |                                                                                     |
| 41                                  | 7010                 | 36.25  | 63000                              | 1.85                  |                                                                                    |                          |                          |                                  |                           |                                                                                     |
| 47                                  | 6070                 | 31.37  | 62000                              | 2.1                   |                                                                                    |                          |                          |                                  |                           |                                                                                     |
| 53                                  | 5350                 | 27.68  | 60900                              | 2.4                   |                                                                                    |                          |                          |                                  |                           |                                                                                     |
| 62                                  | 4620                 | 23.91  | 59600                              | 2.8                   |                                                                                    |                          |                          |                                  |                           |                                                                                     |

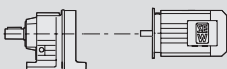
| P <sub>m</sub> = 30 kW              |                      |        |                                    |                       |                                                                                    |     |     |       |         |                                                                                     |
|-------------------------------------|----------------------|--------|------------------------------------|-----------------------|------------------------------------------------------------------------------------|-----|-----|-------|---------|-------------------------------------------------------------------------------------|
| n <sub>a</sub><br>min <sup>-1</sup> | M <sub>a</sub><br>Nm | i      | F <sub>Ra</sub> <sup>1)</sup><br>N | SEW<br>f <sub>B</sub> |  |     |     |       | m<br>kg |  |
| 35                                  | 8190                 | 42.33* | 32500                              | 0.90                  | K                                                                                  | 107 | DRN | 200L4 | 540     | 688                                                                                 |
| 40                                  | 7160                 | 37.00* | 34800                              | 1.00                  | KF                                                                                 | 107 | DRN | 200L4 | 550     | 689                                                                                 |
| 47                                  | 6050                 | 31.28* | 36600                              | 1.10                  | KA                                                                                 | 107 | DRN | 200L4 | 510     | 691                                                                                 |
|                                     |                      |        |                                    |                       | KAF                                                                                | 107 | DRN | 200L4 | 540     | 689                                                                                 |
| 51                                  | 5610                 | 29.00  | 37200                              | 1.30                  | K<br>KF<br>KA<br>KAF                                                               | 107 | DRN | 200L4 | 540     | 688                                                                                 |
| 56                                  | 5090                 | 26.32  | 37700                              | 1.40                  |                                                                                    |     |     |       |         |                                                                                     |
| 65                                  | 4370                 | 22.62  | 37700                              | 1.65                  |                                                                                    |     |     |       |         |                                                                                     |
| 75                                  | 3820                 | 19.74  | 37300                              | 1.90                  |                                                                                    |     |     |       |         |                                                                                     |
| 88                                  | 3240                 | 16.75  | 36700                              | 2.2                   |                                                                                    |     |     |       |         |                                                                                     |
| 101                                 | 2830                 | 14.64  | 36100                              | 2.4                   |                                                                                    |     |     |       |         |                                                                                     |
| 110                                 | 2590                 | 13.43  | 34300                              | 1.65                  |                                                                                    |     |     |       |         |                                                                                     |
| 126                                 | 2260                 | 11.73  | 33700                              | 1.90                  |                                                                                    |     |     |       |         |                                                                                     |
| 149                                 | 1920                 | 9.94   | 32900                              | 2.2                   | K<br>KF<br>KA<br>KAF                                                               | 97  | DRN | 200L4 | 425     | 681                                                                                 |
| 170                                 | 1680                 | 8.69   | 32200                              | 2.4                   |                                                                                    |     |     |       |         |                                                                                     |
| 60                                  | 4780                 | 24.75  | 19600                              | 0.90                  |                                                                                    |     |     |       |         |                                                                                     |
| 66                                  | 4320                 | 22.37  | 20200                              | 1.00                  |                                                                                    |     |     |       |         |                                                                                     |
| 78                                  | 3660                 | 18.96  | 20700                              | 1.15                  |                                                                                    |     |     |       |         |                                                                                     |
| 89                                  | 3200                 | 16.56  | 21000                              | 1.35                  |                                                                                    |     |     |       |         |                                                                                     |
| 107                                 | 2680                 | 13.85  | 21200                              | 1.60                  |                                                                                    |     |     |       |         |                                                                                     |
| 123                                 | 2320                 | 11.99  | 21100                              | 1.70                  |                                                                                    |     |     |       |         |                                                                                     |
| 142                                 | 2010                 | 10.41  | 19500                              | 1.40                  | KAF                                                                                | 97  | DRN | 200L4 | 445     | 682                                                                                 |
| 170                                 | 1680                 | 8.71   | 19400                              | 1.60                  |                                                                                    |     |     |       |         |                                                                                     |

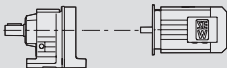
| P <sub>m</sub> = 37 kW              |                      |        |                                    |                       |                                                                                     |                          |                          |                                  |                           |                                                                                      |
|-------------------------------------|----------------------|--------|------------------------------------|-----------------------|-------------------------------------------------------------------------------------|--------------------------|--------------------------|----------------------------------|---------------------------|--------------------------------------------------------------------------------------|
| n <sub>a</sub><br>min <sup>-1</sup> | M <sub>a</sub><br>Nm | i      | F <sub>Ra</sub> <sup>1)</sup><br>N | SEW<br>f <sub>B</sub> |  |                          |                          |                                  | m<br>kg                   |  |
| 5.7                                 | 58300                | 261    | 190000                             | 0.90                  | K<br>KH                                                                             | 187R107<br>187R107       | DRN<br>DRN               | 225S4<br>225S4                   | 2110<br>2040              | 713<br>713                                                                           |
| 6.7                                 | 49400                | 221    | 190000                             | 1.05                  |                                                                                     |                          |                          |                                  |                           |                                                                                      |
| 7.7                                 | 43100                | 193    | 190000                             | 1.25                  |                                                                                     |                          |                          |                                  |                           |                                                                                      |
| 9.1                                 | 36400                | 163    | 190000                             | 1.45                  |                                                                                     |                          |                          |                                  |                           |                                                                                      |
| 8.2                                 | 39700                | 180    | 150000                             | 0.90                  | K<br>KH                                                                             | 167R107<br>167R107       | DRN<br>DRN               | 225S4<br>225S4                   | 1530<br>1490              | 713<br>713                                                                           |
| 9.3                                 | 35600                | 160    | 150000                             | 1.00                  |                                                                                     |                          |                          |                                  |                           |                                                                                      |
| 11                                  | 30200                | 135    | 150000                             | 1.15                  |                                                                                     |                          |                          |                                  |                           |                                                                                      |
| 13                                  | 26400                | 118    | 150000                             | 1.35                  |                                                                                     |                          |                          |                                  |                           |                                                                                      |
| 8.2                                 | 42800                | 179.86 | 190000                             | 1.25                  | K<br>KH                                                                             | 187<br>187               | DRN<br>DRN               | 225S4<br>225S4                   | 1930<br>1870              | 711<br>712                                                                           |
| 9.0                                 | 39300                | 165.21 | 190000                             | 1.35                  |                                                                                     |                          |                          |                                  |                           |                                                                                      |
| 10                                  | 34400                | 144.59 | 190000                             | 1.55                  |                                                                                     |                          |                          |                                  |                           |                                                                                      |
| 11                                  | 30900                | 129.69 | 190000                             | 1.70                  |                                                                                     |                          |                          |                                  |                           |                                                                                      |
| 13                                  | 26800                | 112.60 | 190000                             | 1.95                  |                                                                                     |                          |                          |                                  |                           |                                                                                      |
| 15                                  | 24300                | 102.16 | 190000                             | 2.2                   |                                                                                     |                          |                          |                                  |                           |                                                                                      |
| 17                                  | 20900                | 88.00  | 190000                             | 2.5                   |                                                                                     |                          |                          |                                  |                           |                                                                                      |
| 13                                  | 26100                | 109.83 | 150000                             | 1.35                  | K<br>KH                                                                             | 167<br>167               | DRN<br>DRN               | 225S4<br>225S4                   | 1350<br>1310              | 709<br>710                                                                           |
| 17                                  | 20900                | 87.86  | 150000                             | 1.65                  |                                                                                     |                          |                          |                                  |                           |                                                                                      |
| 19                                  | 18600                | 78.14  | 150000                             | 1.90                  |                                                                                     |                          |                          |                                  |                           |                                                                                      |
| 22                                  | 16200                | 68.07  | 150000                             | 2.2                   |                                                                                     |                          |                          |                                  |                           |                                                                                      |
| 24                                  | 14400                | 60.74  | 150000                             | 2.4                   |                                                                                     |                          |                          |                                  |                           |                                                                                      |
| 29                                  | 12300                | 51.77  | 150000                             | 2.8                   |                                                                                     |                          |                          |                                  |                           |                                                                                      |
| 15                                  | 23800                | 100.22 | 82800                              | 0.85                  | K<br>KF<br>KA<br>KAF                                                                | 157<br>157<br>157<br>157 | DRN<br>DRN<br>DRN<br>DRN | 225S4<br>225S4<br>225S4<br>225S4 | 960<br>1040<br>920<br>980 | 702<br>703<br>705<br>703                                                             |
| 16                                  | 21800                | 91.65  | 83700                              | 0.90                  |                                                                                     |                          |                          |                                  |                           |                                                                                      |
| 19                                  | 19000                | 79.75  | 84500                              | 1.05                  |                                                                                     |                          |                          |                                  |                           |                                                                                      |
| 21                                  | 16700                | 70.38  | 84800                              | 1.20                  | K<br>KF<br>KA<br>KAF                                                                | 157<br>157<br>157<br>157 | DRN<br>DRN<br>DRN<br>DRN | 225S4<br>225S4<br>225S4<br>225S4 | 960<br>1040<br>920<br>980 | 702<br>703<br>705<br>703                                                             |
| 24                                  | 14500                | 61.02  | 84600                              | 1.35                  |                                                                                     |                          |                          |                                  |                           |                                                                                      |
| 27                                  | 12900                | 54.29  | 84100                              | 1.55                  |                                                                                     |                          |                          |                                  |                           |                                                                                      |
| 32                                  | 11100                | 46.79  | 83100                              | 1.80                  |                                                                                     |                          |                          |                                  |                           |                                                                                      |
| 39                                  | 9060                 | 38.02  | 81200                              | 2.2                   |                                                                                     |                          |                          |                                  |                           |                                                                                      |
| 47                                  | 7460                 | 31.30  | 79000                              | 2.5                   |                                                                                     |                          |                          |                                  |                           |                                                                                      |
| 24                                  | 14900                | 62.60  | 57500                              | 0.85                  | K<br>KF<br>KA<br>KAF                                                                | 127<br>127<br>127<br>127 | DRN<br>DRN<br>DRN<br>DRN | 225S4<br>225S4<br>225S4<br>225S4 | 720<br>770<br>700<br>730  | 695<br>696<br>698<br>696                                                             |
| 27                                  | 12800                | 54.07  | 58600                              | 1.00                  |                                                                                     |                          |                          |                                  |                           |                                                                                      |
| 31                                  | 11400                | 47.82  | 59000                              | 1.15                  |                                                                                     |                          |                          |                                  |                           |                                                                                      |
| 37                                  | 9580                 | 40.19  | 59100                              | 1.35                  |                                                                                     |                          |                          |                                  |                           |                                                                                      |

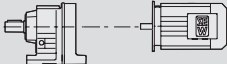
| P <sub>m</sub> = 37 kW              |                      |        |                                    |                       |                                                                                    |                                                                                                  |                                                                                  |                                                                                                          |                                                                                           |                                                                                     |
|-------------------------------------|----------------------|--------|------------------------------------|-----------------------|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| n <sub>a</sub><br>min <sup>-1</sup> | M <sub>a</sub><br>Nm | i      | F <sub>Ra</sub> <sup>1)</sup><br>N | SEW<br>f <sub>B</sub> |  |                                                                                                  |                                                                                  |                                                                                                          | m<br>kg                                                                                   |  |
| 41                                  | 8640                 | 36.25  | 58900                              | 1.50                  | K<br>KF<br>KA<br>KAF                                                               | 127                                                                                              | DRN                                                                              | 225S4                                                                                                    | 720                                                                                       | 695                                                                                 |
| 47                                  | 7470                 | 31.37  | 58400                              | 1.75                  |                                                                                    |                                                                                                  |                                                                                  |                                                                                                          |                                                                                           |                                                                                     |
| 54                                  | 6590                 | 27.68  | 57800                              | 1.95                  |                                                                                    |                                                                                                  |                                                                                  |                                                                                                          |                                                                                           |                                                                                     |
| 62                                  | 5690                 | 23.91  | 56800                              | 2.3                   |                                                                                    |                                                                                                  |                                                                                  |                                                                                                          |                                                                                           |                                                                                     |
| 70                                  | 5040                 | 21.15  | 55900                              | 2.6                   |                                                                                    |                                                                                                  |                                                                                  |                                                                                                          |                                                                                           |                                                                                     |
| 83                                  | 4230                 | 17.77  | 54500                              | 3.1                   |                                                                                    |                                                                                                  |                                                                                  |                                                                                                          |                                                                                           |                                                                                     |
| 103                                 | 3420                 | 14.35  | 52500                              | 3.5                   |                                                                                    |                                                                                                  |                                                                                  |                                                                                                          |                                                                                           |                                                                                     |
| 116                                 | 3040                 | 12.79  | 50200                              | 2.8                   |                                                                                    |                                                                                                  |                                                                                  |                                                                                                          |                                                                                           |                                                                                     |
| 138                                 | 2560                 | 10.74  | 48600                              | 3.1                   | K<br>KF<br>KA<br>KAF                                                               | 107                                                                                              | DRN                                                                              | 225S4                                                                                                    | 570                                                                                       | 688                                                                                 |
| 171                                 | 2060                 | 8.68   | 46500                              | 3.5                   |                                                                                    |                                                                                                  |                                                                                  |                                                                                                          |                                                                                           |                                                                                     |
| 40                                  | 8820                 | 37.00* | 26000                              | 0.80                  |                                                                                    |                                                                                                  |                                                                                  |                                                                                                          |                                                                                           |                                                                                     |
| 47                                  | 7450                 | 31.28* | 29800                              | 0.90                  |                                                                                    |                                                                                                  |                                                                                  |                                                                                                          |                                                                                           |                                                                                     |
| 51                                  | 6910                 | 29.00  | 31100                              | 1.05                  |                                                                                    |                                                                                                  |                                                                                  |                                                                                                          |                                                                                           |                                                                                     |
| 56                                  | 6270                 | 26.32  | 32300                              | 1.15                  |                                                                                    |                                                                                                  |                                                                                  |                                                                                                          |                                                                                           |                                                                                     |
| 66                                  | 5390                 | 22.62  | 33700                              | 1.35                  |                                                                                    |                                                                                                  |                                                                                  |                                                                                                          |                                                                                           |                                                                                     |
| 75                                  | 4700                 | 19.74  | 34400                              | 1.55                  |                                                                                    |                                                                                                  |                                                                                  |                                                                                                          |                                                                                           |                                                                                     |
| 89                                  | 3990                 | 16.75  | 34500                              | 1.75                  |                                                                                    |                                                                                                  |                                                                                  |                                                                                                          |                                                                                           |                                                                                     |
| 101                                 | 3480                 | 14.64  | 34100                              | 1.95                  |                                                                                    |                                                                                                  |                                                                                  |                                                                                                          |                                                                                           |                                                                                     |
| 110                                 | 3200                 | 13.43  | 32300                              | 1.35                  |                                                                                    |                                                                                                  |                                                                                  |                                                                                                          |                                                                                           |                                                                                     |
| 126                                 | 2790                 | 11.73  | 31900                              | 1.55                  |                                                                                    |                                                                                                  |                                                                                  |                                                                                                          |                                                                                           |                                                                                     |
| 149                                 | 2370                 | 9.94   | 31400                              | 1.75                  | K<br>KH<br>K<br>KH<br>K<br>KH<br>K<br>KH<br>K<br>KF<br>KA<br>KAF                   | 187R107<br>187R107<br>167R107<br>167R107<br>187<br>187<br>167<br>167<br>157<br>157<br>157<br>157 | DRN<br>DRN<br>DRN<br>DRN<br>DRN<br>DRN<br>DRN<br>DRN<br>DRN<br>DRN<br>DRN<br>DRN | 225M4<br>225M4<br>225M4<br>225M4<br>225M4<br>225M4<br>225M4<br>225M4<br>225M4<br>225M4<br>225M4<br>225M4 | 2110<br>2040<br>1530<br>1490<br>1930<br>1870<br>1350<br>1310<br>960<br>1040<br>920<br>980 | 713<br>713<br>713<br>713<br>711<br>712<br>709<br>710<br>702<br>703<br>705<br>703    |
| 171                                 | 2070                 | 8.69   | 30800                              | 1.95                  |                                                                                    |                                                                                                  |                                                                                  |                                                                                                          |                                                                                           |                                                                                     |
| 6.7                                 | 60200                | 221    | 190000                             | 0.90                  |                                                                                    |                                                                                                  |                                                                                  |                                                                                                          |                                                                                           |                                                                                     |
| 7.7                                 | 52500                | 193    | 190000                             | 1.00                  |                                                                                    |                                                                                                  |                                                                                  |                                                                                                          |                                                                                           |                                                                                     |
| 9.1                                 | 44300                | 163    | 190000                             | 1.20                  |                                                                                    |                                                                                                  |                                                                                  |                                                                                                          |                                                                                           |                                                                                     |
| 9.3                                 | 43400                | 160    | 150000                             | 0.80                  |                                                                                    |                                                                                                  |                                                                                  |                                                                                                          |                                                                                           |                                                                                     |
| 11                                  | 36800                | 135    | 150000                             | 0.95                  |                                                                                    |                                                                                                  |                                                                                  |                                                                                                          |                                                                                           |                                                                                     |
| 13                                  | 32100                | 118    | 150000                             | 1.10                  |                                                                                    |                                                                                                  |                                                                                  |                                                                                                          |                                                                                           |                                                                                     |
| 8.2                                 | 52100                | 179.86 | 190000                             | 1.00                  |                                                                                    |                                                                                                  |                                                                                  |                                                                                                          |                                                                                           |                                                                                     |
| 9.0                                 | 47900                | 165.21 | 190000                             | 1.10                  |                                                                                    |                                                                                                  |                                                                                  |                                                                                                          |                                                                                           |                                                                                     |
| 10                                  | 41900                | 144.59 | 190000                             | 1.25                  |                                                                                    |                                                                                                  |                                                                                  |                                                                                                          |                                                                                           |                                                                                     |
| 11                                  | 37600                | 129.69 | 190000                             | 1.40                  |                                                                                    |                                                                                                  |                                                                                  |                                                                                                          |                                                                                           |                                                                                     |
| 13                                  | 32600                | 112.60 | 189800                             | 1.60                  |                                                                                    |                                                                                                  |                                                                                  |                                                                                                          |                                                                                           |                                                                                     |
| 15                                  | 29600                | 102.16 | 187600                             | 1.80                  |                                                                                    |                                                                                                  |                                                                                  |                                                                                                          |                                                                                           |                                                                                     |
| 17                                  | 25500                | 88.00  | 183700                             | 2.1                   |                                                                                    |                                                                                                  |                                                                                  |                                                                                                          |                                                                                           |                                                                                     |
| 20                                  | 21400                | 73.96  | 178700                             | 2.5                   |                                                                                    |                                                                                                  |                                                                                  |                                                                                                          |                                                                                           |                                                                                     |
| 13                                  | 31800                | 109.83 | 150000                             | 1.10                  |                                                                                    |                                                                                                  |                                                                                  |                                                                                                          |                                                                                           |                                                                                     |
| 17                                  | 25400                | 87.86  | 150000                             | 1.35                  |                                                                                    |                                                                                                  |                                                                                  |                                                                                                          |                                                                                           |                                                                                     |
| 19                                  | 22600                | 78.14  | 150000                             | 1.55                  |                                                                                    |                                                                                                  |                                                                                  |                                                                                                          |                                                                                           |                                                                                     |
| 22                                  | 19700                | 68.07  | 150000                             | 1.75                  |                                                                                    |                                                                                                  |                                                                                  |                                                                                                          |                                                                                           |                                                                                     |
| 24                                  | 17600                | 60.74  | 148900                             | 2.0                   |                                                                                    |                                                                                                  |                                                                                  |                                                                                                          |                                                                                           |                                                                                     |
| 29                                  | 15000                | 51.77  | 145100                             | 2.3                   |                                                                                    |                                                                                                  |                                                                                  |                                                                                                          |                                                                                           |                                                                                     |
| 35                                  | 12400                | 42.89  | 140400                             | 2.8                   |                                                                                    |                                                                                                  |                                                                                  |                                                                                                          |                                                                                           |                                                                                     |
| 19                                  | 23100                | 79.75  | 75500                              | 0.85                  |                                                                                    |                                                                                                  |                                                                                  |                                                                                                          |                                                                                           |                                                                                     |
| 21                                  | 20400                | 70.38  | 76800                              | 1.00                  |                                                                                    |                                                                                                  |                                                                                  |                                                                                                          |                                                                                           |                                                                                     |
| 24                                  | 17600                | 61.02  | 77700                              | 1.15                  |                                                                                    |                                                                                                  |                                                                                  |                                                                                                          |                                                                                           |                                                                                     |
| 27                                  | 15700                | 54.29  | 78000                              | 1.25                  |                                                                                    |                                                                                                  |                                                                                  |                                                                                                          |                                                                                           |                                                                                     |
| 32                                  | 13500                | 46.79  | 77800                              | 1.45                  |                                                                                    |                                                                                                  |                                                                                  |                                                                                                          |                                                                                           |                                                                                     |
| 39                                  | 11000                | 38.02  | 76900                              | 1.80                  |                                                                                    |                                                                                                  |                                                                                  |                                                                                                          |                                                                                           |                                                                                     |
| 47                                  | 9070                 | 31.30  | 75400                              | 2.1                   |                                                                                    |                                                                                                  |                                                                                  |                                                                                                          |                                                                                           |                                                                                     |
| 54                                  | 8000                 | 27.62  | 74300                              | 2.5                   |                                                                                    |                                                                                                  |                                                                                  |                                                                                                          |                                                                                           |                                                                                     |
| 62                                  | 6940                 | 23.95  | 72700                              | 2.9                   |                                                                                    |                                                                                                  |                                                                                  |                                                                                                          |                                                                                           |                                                                                     |
| 70                                  | 6170                 | 21.31  | 71400                              | 3.2                   |                                                                                    |                                                                                                  |                                                                                  |                                                                                                          |                                                                                           |                                                                                     |
| 81                                  | 5320                 | 18.37  | 69600                              | 3.8                   |                                                                                    |                                                                                                  |                                                                                  |                                                                                                          |                                                                                           |                                                                                     |
| 31                                  | 13800                | 47.82  | 52800                              | 0.95                  | K<br>KF<br>KA<br>KAF                                                               | 127                                                                                              | DRN                                                                              | 225M4                                                                                                    | 720                                                                                       | 695                                                                                 |
| 37                                  | 11600                | 40.19  | 53900                              | 1.10                  |                                                                                    |                                                                                                  |                                                                                  |                                                                                                          |                                                                                           |                                                                                     |
| 41                                  | 10500                | 36.25  | 54300                              | 1.25                  |                                                                                    |                                                                                                  |                                                                                  |                                                                                                          |                                                                                           |                                                                                     |
|                                     |                      |        |                                    |                       |                                                                                    |                                                                                                  |                                                                                  |                                                                                                          |                                                                                           |                                                                                     |

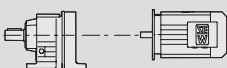
| P <sub>m</sub> = 45 kW              |                      |       |                                    |                       |                                                                                    |     |     |       |         |                                                                                     |
|-------------------------------------|----------------------|-------|------------------------------------|-----------------------|------------------------------------------------------------------------------------|-----|-----|-------|---------|-------------------------------------------------------------------------------------|
| n <sub>a</sub><br>min <sup>-1</sup> | M <sub>a</sub><br>Nm | i     | F <sub>Ra</sub> <sup>1)</sup><br>N | SEW<br>f <sub>B</sub> |  |     |     |       | m<br>kg |  |
| 47                                  | 9090                 | 31.37 | 54400                              | 1.45                  | K<br>KF<br>KA<br>KAF                                                               | 127 | DRN | 225M4 | 720     | 695                                                                                 |
| 54                                  | 8020                 | 27.68 | 54200                              | 1.60                  |                                                                                    |     |     |       |         |                                                                                     |
| 62                                  | 6930                 | 23.91 | 53800                              | 1.90                  |                                                                                    |     |     |       |         |                                                                                     |
| 70                                  | 6120                 | 21.15 | 53200                              | 2.1                   |                                                                                    |     |     |       |         |                                                                                     |
| 83                                  | 5150                 | 17.77 | 52200                              | 2.5                   |                                                                                    |     |     |       |         |                                                                                     |
| 103                                 | 4160                 | 14.35 | 50600                              | 2.9                   |                                                                                    |     |     |       |         |                                                                                     |
| 116                                 | 3700                 | 12.79 | 48300                              | 2.3                   |                                                                                    |     |     |       |         |                                                                                     |
| 138                                 | 3110                 | 10.74 | 47000                              | 2.6                   | K<br>KF<br>KA<br>KAF                                                               | 107 | DRN | 225M4 | 570     | 688                                                                                 |
| 171                                 | 2510                 | 8.68  | 45200                              | 2.9                   |                                                                                    |     |     |       |         |                                                                                     |
| 51                                  | 8400                 | 29.00 | 23000                              | 0.85                  |                                                                                    |     |     |       |         |                                                                                     |
| 56                                  | 7620                 | 26.32 | 25400                              | 0.95                  |                                                                                    |     |     |       |         |                                                                                     |
| 66                                  | 6550                 | 22.62 | 28100                              | 1.10                  |                                                                                    |     |     |       |         |                                                                                     |
| 75                                  | 5720                 | 19.74 | 29800                              | 1.25                  |                                                                                    |     |     |       |         |                                                                                     |
| 89                                  | 4850                 | 16.75 | 31100                              | 1.45                  |                                                                                    |     |     |       |         |                                                                                     |
| 101                                 | 4240                 | 14.64 | 31700                              | 1.60                  | K<br>KF<br>KA<br>KAF                                                               | 107 | DRN | 225M4 | 570     | 688                                                                                 |
| 110                                 | 3890                 | 13.43 | 29900                              | 1.10                  |                                                                                    |     |     |       |         |                                                                                     |
| 126                                 | 3390                 | 11.73 | 29900                              | 1.25                  |                                                                                    |     |     |       |         |                                                                                     |
| 149                                 | 2880                 | 9.94  | 29600                              | 1.45                  |                                                                                    |     |     |       |         |                                                                                     |
| 171                                 | 2510                 | 8.69  | 29300                              | 1.60                  |                                                                                    |     |     |       |         |                                                                                     |

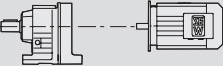
| P <sub>m</sub> = 55 kW              |                      |        |                                    |                       |                                                                                    |                          |                          |                                  |                              |                                                                                     |
|-------------------------------------|----------------------|--------|------------------------------------|-----------------------|------------------------------------------------------------------------------------|--------------------------|--------------------------|----------------------------------|------------------------------|-------------------------------------------------------------------------------------|
| n <sub>a</sub><br>min <sup>-1</sup> | M <sub>a</sub><br>Nm | i      | F <sub>Ra</sub> <sup>1)</sup><br>N | SEW<br>f <sub>B</sub> |  |                          |                          |                                  | m<br>kg                      |  |
| 10                                  | 51200                | 144.59 | 179800                             | 1.05                  | K<br>KH                                                                            | 187<br>187               | DRN<br>DRN               | 250M4<br>250M4                   | 2080<br>2020                 | 711<br>712                                                                          |
| 11                                  | 45900                | 129.69 | 179600                             | 1.15                  |                                                                                    |                          |                          |                                  |                              |                                                                                     |
| 13                                  | 39900                | 112.60 | 178600                             | 1.35                  |                                                                                    |                          |                          |                                  |                              |                                                                                     |
| 15                                  | 36200                | 102.16 | 177400                             | 1.45                  |                                                                                    |                          |                          |                                  |                              |                                                                                     |
| 17                                  | 31100                | 88.00  | 174900                             | 1.70                  |                                                                                    |                          |                          |                                  |                              |                                                                                     |
| 20                                  | 26200                | 73.96  | 171300                             | 2.0                   |                                                                                    |                          |                          |                                  |                              |                                                                                     |
| 23                                  | 22600                | 64.04  | 167800                             | 2.3                   |                                                                                    |                          |                          |                                  |                              |                                                                                     |
| 17                                  | 31100                | 87.86  | 145300                             | 1.10                  | K<br>KH                                                                            | 167<br>167               | DRN<br>DRN               | 250M4<br>250M4                   | 1500<br>1460                 | 709<br>710                                                                          |
| 19                                  | 27600                | 78.14  | 144600                             | 1.25                  |                                                                                    |                          |                          |                                  |                              |                                                                                     |
| 22                                  | 24100                | 68.07  | 143200                             | 1.45                  |                                                                                    |                          |                          |                                  |                              |                                                                                     |
| 24                                  | 21500                | 60.74  | 141700                             | 1.65                  |                                                                                    |                          |                          |                                  |                              |                                                                                     |
| 29                                  | 18300                | 51.77  | 139000                             | 1.90                  |                                                                                    |                          |                          |                                  |                              |                                                                                     |
| 35                                  | 15200                | 42.89  | 135300                             | 2.3                   |                                                                                    |                          |                          |                                  |                              |                                                                                     |
| 40                                  | 12900                | 36.61  | 131800                             | 2.7                   |                                                                                    |                          |                          |                                  |                              |                                                                                     |
| 21                                  | 24900                | 70.38  | 66900                              | 0.80                  | K<br>KF<br>KA<br>KAF                                                               | 157<br>157<br>157<br>157 | DRN<br>DRN<br>DRN<br>DRN | 250M4<br>250M4<br>250M4<br>250M4 | 1110<br>1190<br>1070<br>1130 | 702<br>703<br>705<br>703                                                            |
| 24                                  | 21600                | 61.02  | 69100                              | 0.90                  |                                                                                    |                          |                          |                                  |                              |                                                                                     |
| 27                                  | 19200                | 54.29  | 70300                              | 1.05                  |                                                                                    |                          |                          |                                  |                              |                                                                                     |
| 32                                  | 16500                | 46.79  | 71200                              | 1.20                  |                                                                                    |                          |                          |                                  |                              |                                                                                     |
| 39                                  | 13400                | 38.02  | 71500                              | 1.50                  |                                                                                    |                          |                          |                                  |                              |                                                                                     |
| 47                                  | 11000                | 31.30  | 71000                              | 1.70                  |                                                                                    |                          |                          |                                  |                              |                                                                                     |
| 54                                  | 9780                 | 27.62  | 70400                              | 2.0                   |                                                                                    |                          |                          |                                  |                              |                                                                                     |
| 62                                  | 8480                 | 23.95  | 69400                              | 2.4                   |                                                                                    |                          |                          |                                  |                              |                                                                                     |
| 70                                  | 7550                 | 21.31  | 68400                              | 2.6                   |                                                                                    |                          |                          |                                  |                              |                                                                                     |
| 81                                  | 6500                 | 18.37  | 67000                              | 3.1                   |                                                                                    |                          |                          |                                  |                              |                                                                                     |
| 99                                  | 5280                 | 14.92  | 64700                              | 3.8                   |                                                                                    |                          |                          |                                  |                              |                                                                                     |
| 117                                 | 4480                 | 12.65  | 62800                              | 4.2                   |                                                                                    |                          |                          |                                  |                              |                                                                                     |
| 37                                  | 14200                | 40.19  | 47400                              | 0.90                  | K                                                                                  | 127                      | DRN                      | 250M4                            | 870                          | 695                                                                                 |
| 47                                  | 11100                | 31.37  | 49300                              | 1.15                  | KF                                                                                 | 127                      | DRN                      | 250M4                            | 920                          | 696                                                                                 |
| 54                                  | 9800                 | 27.68  | 49700                              | 1.35                  | KA                                                                                 | 127                      | DRN                      | 250M4                            | 850                          | 698                                                                                 |
|                                     |                      |        |                                    |                       | KAF                                                                                | 127                      | DRN                      | 250M4                            | 880                          | 696                                                                                 |
| 62                                  | 8470                 | 23.91  | 49900                              | 1.55                  | K<br>KF<br>KA<br>KAF                                                               | 127<br>127<br>127<br>127 | DRN<br>DRN<br>DRN<br>DRN | 250M4<br>250M4<br>250M4<br>250M4 | 870<br>920<br>850<br>880     | 695<br>696<br>698<br>696                                                            |
| 70                                  | 7490                 | 21.15  | 49800                              | 1.75                  |                                                                                    |                          |                          |                                  |                              |                                                                                     |
| 83                                  | 6290                 | 17.77  | 49300                              | 2.1                   |                                                                                    |                          |                          |                                  |                              |                                                                                     |
| 103                                 | 5080                 | 14.35  | 48300                              | 2.4                   |                                                                                    |                          |                          |                                  |                              |                                                                                     |
| 116                                 | 4530                 | 12.79  | 45900                              | 1.90                  |                                                                                    |                          |                          |                                  |                              |                                                                                     |
| 138                                 | 3800                 | 10.74  | 45000                              | 2.1                   |                                                                                    |                          |                          |                                  |                              |                                                                                     |
| 171                                 | 3070                 | 8.68   | 43600                              | 2.4                   |                                                                                    |                          |                          |                                  |                              |                                                                                     |

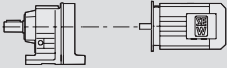
| P <sub>m</sub> = 75 kW              |                      |        |                                    |                       |                                                                                    |                          |                          |                                  |                              |                                                                                     |
|-------------------------------------|----------------------|--------|------------------------------------|-----------------------|------------------------------------------------------------------------------------|--------------------------|--------------------------|----------------------------------|------------------------------|-------------------------------------------------------------------------------------|
| n <sub>a</sub><br>min <sup>-1</sup> | M <sub>a</sub><br>Nm | i      | F <sub>Ra</sub> <sup>1)</sup><br>N | SEW<br>f <sub>B</sub> |  |                          |                          |                                  | m<br>kg                      |  |
| 11                                  | 62600                | 129.69 | 153800                             | 0.85                  | K<br>KH                                                                            | 187<br>187               | DRN<br>DRN               | 280S4<br>280S4                   | 2130<br>2070                 | 711<br>712                                                                          |
| 13                                  | 54400                | 112.60 | 156100                             | 0.95                  |                                                                                    |                          |                          |                                  |                              |                                                                                     |
| 15                                  | 49300                | 102.16 | 157000                             | 1.05                  |                                                                                    |                          |                          |                                  |                              |                                                                                     |
| 17                                  | 42500                | 88.00  | 157400                             | 1.25                  |                                                                                    |                          |                          |                                  |                              |                                                                                     |
| 20                                  | 35700                | 73.96  | 156600                             | 1.50                  |                                                                                    |                          |                          |                                  |                              |                                                                                     |
| 23                                  | 30900                | 64.04  | 155000                             | 1.70                  |                                                                                    |                          |                          |                                  |                              |                                                                                     |
| 28                                  | 25700                | 53.36  | 152200                             | 2.1                   |                                                                                    |                          |                          |                                  |                              |                                                                                     |
| 33                                  | 21900                | 45.50* | 149100                             | 2.4                   |                                                                                    |                          |                          |                                  |                              |                                                                                     |
| 17                                  | 42400                | 87.86  | 124500                             | 0.80                  | K<br>KH                                                                            | 167<br>167               | DRN<br>DRN               | 280S4<br>280S4                   | 1550<br>1510                 | 709<br>710                                                                          |
| 19                                  | 37700                | 78.14  | 126200                             | 0.95                  |                                                                                    |                          |                          |                                  |                              |                                                                                     |
| 22                                  | 32800                | 68.07  | 127200                             | 1.05                  |                                                                                    |                          |                          |                                  |                              |                                                                                     |
| 24                                  | 29300                | 60.74  | 127300                             | 1.20                  |                                                                                    |                          |                          |                                  |                              |                                                                                     |
| 29                                  | 25000                | 51.77  | 126800                             | 1.40                  |                                                                                    |                          |                          |                                  |                              |                                                                                     |
| 35                                  | 20700                | 42.89  | 125200                             | 1.70                  |                                                                                    |                          |                          |                                  |                              |                                                                                     |
| 40                                  | 17600                | 36.61  | 123200                             | 2.0                   |                                                                                    |                          |                          |                                  |                              |                                                                                     |
| 46                                  | 15500                | 32.25  | 121200                             | 2.2                   |                                                                                    |                          |                          |                                  |                              |                                                                                     |
| 52                                  | 13900                | 28.77  | 119300                             | 2.5                   | K<br>KF<br>KA<br>KAF                                                               | 157<br>157<br>157<br>157 | DRN<br>DRN<br>DRN<br>DRN | 280S4<br>280S4<br>280S4<br>280S4 | 1160<br>1240<br>1120<br>1180 | 702<br>703<br>705<br>703                                                            |
| 60                                  | 11800                | 24.52  | 116300                             | 3.0                   |                                                                                    |                          |                          |                                  |                              |                                                                                     |
| 32                                  | 22600                | 46.79  | 58000                              | 0.90                  |                                                                                    |                          |                          |                                  |                              |                                                                                     |
| 39                                  | 18300                | 38.02  | 60800                              | 1.10                  |                                                                                    |                          |                          |                                  |                              |                                                                                     |
| 47                                  | 15100                | 31.30  | 62200                              | 1.25                  |                                                                                    |                          |                          |                                  |                              |                                                                                     |
| 54                                  | 13300                | 27.62  | 62600                              | 1.50                  |                                                                                    |                          |                          |                                  |                              |                                                                                     |
| 62                                  | 11500                | 23.95  | 62600                              | 1.75                  |                                                                                    |                          |                          |                                  |                              |                                                                                     |
| 70                                  | 10200                | 21.31  | 62400                              | 1.95                  |                                                                                    |                          |                          |                                  |                              |                                                                                     |
| 81                                  | 8870                 | 18.37  | 61800                              | 2.2                   | K<br>KF<br>KA<br>KAF                                                               | 127<br>127<br>127<br>127 | DRN<br>DRN<br>DRN<br>DRN | 280S4<br>280S4<br>280S4<br>280S4 | 920<br>960<br>890<br>930     | 695<br>696<br>698<br>696                                                            |
| 99                                  | 7210                 | 14.92  | 60500                              | 2.8                   |                                                                                    |                          |                          |                                  |                              |                                                                                     |
| 117                                 | 6110                 | 12.65  | 59200                              | 3.1                   |                                                                                    |                          |                          |                                  |                              |                                                                                     |
| 47                                  | 15100                | 31.37  | 38000                              | 0.85                  |                                                                                    |                          |                          |                                  |                              |                                                                                     |
| 54                                  | 13300                | 27.68  | 40800                              | 0.95                  |                                                                                    |                          |                          |                                  |                              |                                                                                     |
| 62                                  | 11500                | 23.91  | 42200                              | 1.15                  |                                                                                    |                          |                          |                                  |                              |                                                                                     |
| 70                                  | 10200                | 21.15  | 43000                              | 1.25                  |                                                                                    |                          |                          |                                  |                              |                                                                                     |
| 83                                  | 8580                 | 17.77  | 43600                              | 1.50                  |                                                                                    |                          |                          |                                  |                              |                                                                                     |
| 103                                 | 6930                 | 14.35  | 43700                              | 1.75                  | K<br>KF<br>KA<br>KAF                                                               | 127<br>127<br>127<br>127 | DRN<br>DRN<br>DRN<br>DRN | 280S4<br>280S4<br>280S4<br>280S4 | 920<br>960<br>890<br>930     | 695<br>696<br>698<br>696                                                            |
| 116                                 | 6170                 | 12.79  | 41100                              | 1.40                  |                                                                                    |                          |                          |                                  |                              |                                                                                     |
| 138                                 | 5190                 | 10.74  | 41000                              | 1.55                  |                                                                                    |                          |                          |                                  |                              |                                                                                     |
| 171                                 | 4190                 | 8.68   | 40400                              | 1.70                  |                                                                                    |                          |                          |                                  |                              |                                                                                     |

| P <sub>m</sub> = 90 kW              |                      |        |                                    |                       |                                                                                      |            |            |                |              |                                                                                       |
|-------------------------------------|----------------------|--------|------------------------------------|-----------------------|--------------------------------------------------------------------------------------|------------|------------|----------------|--------------|---------------------------------------------------------------------------------------|
| n <sub>a</sub><br>min <sup>-1</sup> | M <sub>a</sub><br>Nm | i      | F <sub>Ra</sub> <sup>1)</sup><br>N | SEW<br>f <sub>B</sub> |  |            |            |                | m<br>kg      |  |
| 13                                  | 65300                | 112.60 | 139300                             | 0.80                  | K<br>KH                                                                              | 187<br>187 | DRN<br>DRN | 280M4<br>280M4 | 2250<br>2180 | 711<br>712                                                                            |
| 14                                  | 59200                | 102.16 | 141700                             | 0.90                  |                                                                                      |            |            |                |              |                                                                                       |
| 17                                  | 51000                | 88.00  | 144200                             | 1.05                  |                                                                                      |            |            |                |              |                                                                                       |
| 20                                  | 42900                | 73.96  | 145500                             | 1.25                  |                                                                                      |            |            |                |              |                                                                                       |
| 23                                  | 37100                | 64.04  | 145400                             | 1.45                  |                                                                                      |            |            |                |              |                                                                                       |
| 28                                  | 30900                | 53.36  | 144200                             | 1.70                  |                                                                                      |            |            |                |              |                                                                                       |
| 33                                  | 26400                | 45.50* | 142300                             | 2.0                   |                                                                                      |            |            |                |              |                                                                                       |
| 35                                  | 24600                | 42.51  | 141300                             | 2.1                   |                                                                                      |            |            |                |              |                                                                                       |
| 38                                  | 22300                | 38.57  | 139700                             | 2.4                   | K<br>KH                                                                              | 167<br>167 | DRN<br>DRN | 280M4<br>280M4 | 1670<br>1630 | 709<br>710                                                                            |
| 22                                  | 39500                | 68.07  | 115100                             | 0.90                  |                                                                                      |            |            |                |              |                                                                                       |
| 24                                  | 35200                | 60.74  | 116600                             | 1.00                  |                                                                                      |            |            |                |              |                                                                                       |
| 29                                  | 30000                | 51.77  | 117600                             | 1.15                  |                                                                                      |            |            |                |              |                                                                                       |
| 35                                  | 24800                | 42.89  | 117600                             | 1.40                  |                                                                                      |            |            |                |              |                                                                                       |
| 40                                  | 21200                | 36.61  | 116700                             | 1.65                  |                                                                                      |            |            |                |              |                                                                                       |
| 46                                  | 18700                | 32.25  | 115500                             | 1.85                  |                                                                                      |            |            |                |              |                                                                                       |
| 51                                  | 16600                | 28.77  | 114200                             | 2.1                   |                                                                                      |            |            |                |              |                                                                                       |
| 60                                  | 14200                | 24.52  | 111900                             | 2.5                   |                                                                                      |            |            |                |              |                                                                                       |
| 73                                  | 11700                | 20.32  | 108800                             | 3.0                   |                                                                                      |            |            |                |              |                                                                                       |
| 85                                  | 10000                | 17.34  | 105900                             | 3.5                   |                                                                                      |            |            |                |              |                                                                                       |

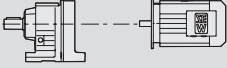
| P <sub>m</sub> = 90 kW              |                      |       |                                    |                       |                                                                                    |     |     |       |         |                                                                                     |
|-------------------------------------|----------------------|-------|------------------------------------|-----------------------|------------------------------------------------------------------------------------|-----|-----|-------|---------|-------------------------------------------------------------------------------------|
| n <sub>a</sub><br>min <sup>-1</sup> | M <sub>a</sub><br>Nm | i     | F <sub>Ra</sub> <sup>1)</sup><br>N | SEW<br>f <sub>B</sub> |  |     |     |       | m<br>kg |  |
| 39                                  | 22000                | 38.02 | 52700                              | 0.90                  | K<br>KF<br>KA<br>KAF                                                               | 157 | DRN | 280M4 | 1270    | 702                                                                                 |
| 54                                  | 16000                | 27.62 | 56700                              | 1.25                  |                                                                                    |     |     |       |         |                                                                                     |
| 62                                  | 13800                | 23.95 | 57500                              | 1.45                  |                                                                                    |     |     |       |         |                                                                                     |
| 70                                  | 12300                | 21.31 | 57900                              | 1.60                  |                                                                                    |     |     |       |         |                                                                                     |
| 81                                  | 10600                | 18.37 | 57900                              | 1.90                  |                                                                                    |     |     |       |         |                                                                                     |
| 99                                  | 8650                 | 14.92 | 57400                              | 2.3                   |                                                                                    |     |     |       |         |                                                                                     |
| 117                                 | 7340                 | 12.65 | 56600                              | 2.5                   |                                                                                    |     |     |       |         |                                                                                     |
| 62                                  | 13800                | 23.91 | 35500                              | 0.95                  | K<br>KF<br>KA<br>KAF                                                               | 127 | DRN | 280M4 | 1040    | 695                                                                                 |
| 70                                  | 12200                | 21.15 | 37800                              | 1.05                  |                                                                                    |     |     |       |         |                                                                                     |
| 83                                  | 10300                | 17.77 | 39200                              | 1.25                  |                                                                                    |     |     |       |         |                                                                                     |
| 103                                 | 8320                 | 14.35 | 40200                              | 1.45                  |                                                                                    |     |     |       |         |                                                                                     |
| 116                                 | 7410                 | 12.79 | 37600                              | 1.15                  |                                                                                    |     |     |       |         |                                                                                     |
| 138                                 | 6230                 | 10.74 | 38000                              | 1.30                  |                                                                                    |     |     |       |         |                                                                                     |
| 171                                 | 5030                 | 8.68  | 38000                              | 1.45                  |                                                                                    |     |     |       |         |                                                                                     |

| P <sub>m</sub> = 110 kW             |                      |        |                                    |                       |                                                                                    |            |            |                              |              |                                                                                     |
|-------------------------------------|----------------------|--------|------------------------------------|-----------------------|------------------------------------------------------------------------------------|------------|------------|------------------------------|--------------|-------------------------------------------------------------------------------------|
| n <sub>a</sub><br>min <sup>-1</sup> | M <sub>a</sub><br>Nm | i      | F <sub>Ra</sub> <sup>1)</sup><br>N | SEW<br>f <sub>B</sub> |  |            |            |                              | m<br>kg      |  |
| 17                                  | 62100                | 88.00  | 126800                             | 0.85                  | K<br>KH                                                                            | 187<br>187 | DRN<br>DRN | 315S4<br>315S4               | 2490<br>2420 | 711<br>712                                                                          |
| 20                                  | 52200                | 73.96  | 130800                             | 1.00                  |                                                                                    |            |            |                              |              |                                                                                     |
| 23                                  | 45200                | 64.04  | 132700                             | 1.15                  |                                                                                    |            |            |                              |              |                                                                                     |
| 28                                  | 37600                | 53.36  | 133600                             | 1.40                  |                                                                                    |            |            |                              |              |                                                                                     |
| 33                                  | 32100                | 45.50* | 133200                             | 1.65                  |                                                                                    |            |            |                              |              |                                                                                     |
| 35                                  | 30000                | 42.51  | 132800                             | 1.75                  | K<br>KH                                                                            | 187<br>187 | DRN<br>DRN | 315S4/ERF/NS<br>315S4/ERF/NS | 2490<br>2420 | 711<br>712                                                                          |
| 39                                  | 27200                | 38.57  | 131900                             | 1.95                  | K<br>KH                                                                            | 187<br>187 | DRN<br>DRN | 315S4<br>315S4               | 2490<br>2420 | 711<br>712                                                                          |
| 45                                  | 23400                | 33.23  | 130100                             | 2.3                   |                                                                                    |            |            |                              |              |                                                                                     |
| 53                                  | 19700                | 27.92  | 127500                             | 2.7                   |                                                                                    |            |            |                              |              |                                                                                     |
| 24                                  | 42800                | 60.74  | 102400                             | 0.80                  | K<br>KH                                                                            | 167<br>167 | DRN<br>DRN | 315S4<br>315S4               | 1910<br>1870 | 709<br>710                                                                          |
| 29                                  | 36500                | 51.77  | 105500                             | 0.95                  |                                                                                    |            |            |                              |              |                                                                                     |
| 35                                  | 30200                | 42.89  | 107500                             | 1.15                  |                                                                                    |            |            |                              |              |                                                                                     |
| 41                                  | 25800                | 36.61  | 108100                             | 1.35                  |                                                                                    |            |            |                              |              |                                                                                     |
| 46                                  | 22700                | 32.25  | 107900                             | 1.55                  | K<br>KH                                                                            | 167<br>167 | DRN<br>DRN | 315S4/ERF/NS<br>315S4/ERF/NS | 1910<br>1870 | 709<br>710                                                                          |
| 52                                  | 20300                | 28.77  | 107400                             | 1.70                  | K<br>KH                                                                            | 167<br>167 | DRN<br>DRN | 315S4<br>315S4               | 1910<br>1870 | 709<br>710                                                                          |
| 61                                  | 17300                | 24.52  | 106100                             | 2.0                   |                                                                                    |            |            |                              |              |                                                                                     |
| 73                                  | 14300                | 20.32  | 104000                             | 2.4                   |                                                                                    |            |            |                              |              |                                                                                     |
| 86                                  | 12200                | 17.34  | 101800                             | 2.9                   |                                                                                    |            |            |                              |              |                                                                                     |
| 62                                  | 16900                | 23.95  | 50800                              | 1.20                  | K                                                                                  | 157        | DRN        | 315S4/ERF/NS                 | 1520         | 702                                                                                 |
|                                     |                      |        |                                    |                       | KF                                                                                 | 157        | DRN        | 315S4/ERF/NS                 | 1590         | 703                                                                                 |
|                                     |                      |        |                                    |                       | KA                                                                                 | 157        | DRN        | 315S4/ERF/NS                 | 1480         | 705                                                                                 |
|                                     |                      |        |                                    |                       | KAF                                                                                | 157        | DRN        | 315S4/ERF/NS                 | 1540         | 703                                                                                 |
| 70                                  | 15000                | 21.31  | 51900                              | 1.35                  | K                                                                                  | 157        | DRN        | 315S4                        | 1520         | 702                                                                                 |
| 81                                  | 12900                | 18.37  | 52700                              | 1.55                  | KF                                                                                 | 157        | DRN        | 315S4                        | 1590         | 703                                                                                 |
| 100                                 | 10500                | 14.92  | 53200                              | 1.90                  | KA                                                                                 | 157        | DRN        | 315S4                        | 1480         | 705                                                                                 |
| 118                                 | 8930                 | 12.65  | 53000                              | 2.1                   | KAF                                                                                | 157        | DRN        | 315S4                        | 1540         | 703                                                                                 |

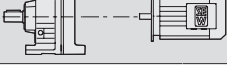
| P <sub>m</sub> = 132 kW             |                      |        |                                    |                       |                                                                                      |            |            |                              |              |                                                                                       |
|-------------------------------------|----------------------|--------|------------------------------------|-----------------------|--------------------------------------------------------------------------------------|------------|------------|------------------------------|--------------|---------------------------------------------------------------------------------------|
| n <sub>a</sub><br>min <sup>-1</sup> | M <sub>a</sub><br>Nm | i      | F <sub>Ra</sub> <sup>1)</sup><br>N | SEW<br>f <sub>B</sub> |  |            |            |                              | m<br>kg      |  |
| 20                                  | 62600                | 73.96  | 114700                             | 0.85                  | K<br>KH                                                                              | 187<br>187 | DRN<br>DRN | 315M4<br>315M4               | 2510<br>2450 | 711<br>712                                                                            |
| 23                                  | 54200                | 64.04  | 118700                             | 1.00                  |                                                                                      |            |            |                              |              |                                                                                       |
| 28                                  | 45200                | 53.36  | 121900                             | 1.15                  |                                                                                      |            |            |                              |              |                                                                                       |
| 33                                  | 38500                | 45.50* | 123300                             | 1.40                  |                                                                                      |            |            |                              |              |                                                                                       |
| 35                                  | 36000                | 42.51  | 123500                             | 1.45                  | K<br>KH                                                                              | 187<br>187 | DRN<br>DRN | 315M4/ERF/NS<br>315M4/ERF/NS | 2510<br>2450 | 711<br>712                                                                            |
| 39                                  | 32600                | 38.57  | 123500                             | 1.60                  |                                                                                      |            |            |                              |              |                                                                                       |
| 45                                  | 28100                | 33.23  | 122900                             | 1.90                  | K<br>KH                                                                              | 187<br>187 | DRN<br>DRN | 315M4<br>315M4               | 2510<br>2450 | 711<br>712                                                                            |
| 53                                  | 23600                | 27.92  | 121400                             | 2.2                   |                                                                                      |            |            |                              |              |                                                                                       |
| 62                                  | 20400                | 24.18  | 119600                             | 2.6                   |                                                                                      |            |            |                              |              |                                                                                       |
| 74                                  | 17000                | 20.15  | 116800                             | 2.9                   |                                                                                      |            |            |                              |              |                                                                                       |
| 87                                  | 14500                | 17.18  | 114000                             | 3.2                   |                                                                                      |            |            |                              |              |                                                                                       |

| <b>P<sub>m</sub> = 132 kW</b>                   |                                   |          |                                                |                                    |                                                                                    |            |            |                     |                       |                                                                                     |
|-------------------------------------------------|-----------------------------------|----------|------------------------------------------------|------------------------------------|------------------------------------------------------------------------------------|------------|------------|---------------------|-----------------------|-------------------------------------------------------------------------------------|
| <b>n<sub>a</sub></b><br><b>min<sup>-1</sup></b> | <b>M<sub>a</sub></b><br><b>Nm</b> | <b>i</b> | <b>F<sub>Ra</sub><sup>1)</sup></b><br><b>N</b> | <b>SEW</b><br><b>f<sub>B</sub></b> |  |            |            |                     | <b>m</b><br><b>kg</b> |  |
| <b>29</b>                                       | 43800                             | 51.77    | 92100                                          | 0.80                               | <b>K</b>                                                                           | <b>167</b> | <b>DRN</b> | <b>315M4</b>        | 1930                  | 709                                                                                 |
| <b>35</b>                                       | 36300                             | 42.89    | 96400                                          | 0.95                               | <b>KH</b>                                                                          | <b>167</b> | <b>DRN</b> | <b>315M4</b>        | 1890                  | 710                                                                                 |
| <b>41</b>                                       | 31000                             | 36.61    | 98600                                          | 1.15                               |                                                                                    |            |            |                     |                       |                                                                                     |
| <b>46</b>                                       | 27300                             | 32.25    | 99600                                          | 1.30                               | <b>K</b>                                                                           | <b>167</b> | <b>DRN</b> | <b>315M4/ERF/NS</b> | 1930                  | 709                                                                                 |
| <b>52</b>                                       | 24300                             | 28.77    | 99900                                          | 1.45                               | <b>KH</b>                                                                          | <b>167</b> | <b>DRN</b> | <b>315M4/ERF/NS</b> | 1890                  | 710                                                                                 |
| <b>61</b>                                       | 20700                             | 24.52    | 99800                                          | 1.70                               | <b>K</b>                                                                           | <b>167</b> | <b>DRN</b> | <b>315M4</b>        | 1930                  | 709                                                                                 |
| <b>73</b>                                       | 17200                             | 20.32    | 98700                                          | 2.0                                | <b>KH</b>                                                                          | <b>167</b> | <b>DRN</b> | <b>315M4</b>        | 1890                  | 710                                                                                 |
| <b>86</b>                                       | 14600                             | 17.34    | 97300                                          | 2.4                                |                                                                                    |            |            |                     |                       |                                                                                     |
| <b>62</b>                                       | 20200                             | 23.95    | 43400                                          | 1.00                               | <b>K</b>                                                                           | <b>157</b> | <b>DRN</b> | <b>315M4/ERF/NS</b> | 1540                  | 702                                                                                 |
| <b>70</b>                                       | 18000                             | 21.31    | 45300                                          | 1.10                               | <b>KF</b>                                                                          | <b>157</b> | <b>DRN</b> | <b>315M4/ERF/NS</b> | 1610                  | 703                                                                                 |
|                                                 |                                   |          |                                                |                                    | <b>KA</b>                                                                          | <b>157</b> | <b>DRN</b> | <b>315M4/ERF/NS</b> | 1500                  | 705                                                                                 |
|                                                 |                                   |          |                                                |                                    | <b>KAF</b>                                                                         | <b>157</b> | <b>DRN</b> | <b>315M4/ERF/NS</b> | 1560                  | 703                                                                                 |
| <b>81</b>                                       | 15500                             | 18.37    | 47000                                          | 1.30                               | <b>K</b>                                                                           | <b>157</b> | <b>DRN</b> | <b>315M4</b>        | 1540                  | 702                                                                                 |
| <b>100</b>                                      | 12600                             | 14.92    | 48500                                          | 1.60                               | <b>KF</b>                                                                          | <b>157</b> | <b>DRN</b> | <b>315M4</b>        | 1610                  | 703                                                                                 |
| <b>118</b>                                      | 10700                             | 12.65    | 49100                                          | 1.75                               | <b>KA</b>                                                                          | <b>157</b> | <b>DRN</b> | <b>315M4</b>        | 1500                  | 705                                                                                 |
|                                                 |                                   |          |                                                |                                    | <b>KAF</b>                                                                         | <b>157</b> | <b>DRN</b> | <b>315M4</b>        | 1560                  | 703                                                                                 |

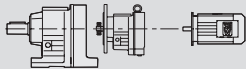
  

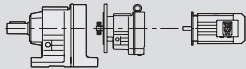
| <b>P<sub>m</sub> = 160 kW</b>                   |                                   |          |                                                |                                    |                                                                                    |            |            |              |                       |                                                                                     |
|-------------------------------------------------|-----------------------------------|----------|------------------------------------------------|------------------------------------|------------------------------------------------------------------------------------|------------|------------|--------------|-----------------------|-------------------------------------------------------------------------------------|
| <b>n<sub>a</sub></b><br><b>min<sup>-1</sup></b> | <b>M<sub>a</sub></b><br><b>Nm</b> | <b>i</b> | <b>F<sub>Ra</sub><sup>1)</sup></b><br><b>N</b> | <b>SEW</b><br><b>f<sub>B</sub></b> |  |            |            |              | <b>m</b><br><b>kg</b> |  |
| <b>23</b>                                       | 65800                             | 64.04    | 100900                                         | 0.80                               |                                                                                    |            |            |              |                       |                                                                                     |
| <b>28</b>                                       | 54800                             | 53.36    | 107100                                         | 0.95                               |                                                                                    |            |            |              |                       |                                                                                     |
| <b>33</b>                                       | 46700                             | 45.50*   | 110600                                         | 1.15                               |                                                                                    |            |            |              |                       |                                                                                     |
| <b>45</b>                                       | 34100                             | 33.23    | 113700                                         | 1.55                               | <b>K</b>                                                                           | <b>187</b> | <b>DRN</b> | <b>315L4</b> | 2640                  | 711                                                                                 |
| <b>53</b>                                       | 28700                             | 27.92    | 113600                                         | 1.85                               | <b>KH</b>                                                                          | <b>187</b> | <b>DRN</b> | <b>315L4</b> | 2580                  | 712                                                                                 |
| <b>61</b>                                       | 24800                             | 24.18    | 112900                                         | 2.1                                |                                                                                    |            |            |              |                       |                                                                                     |
| <b>74</b>                                       | 20700                             | 20.15    | 111300                                         | 2.4                                |                                                                                    |            |            |              |                       |                                                                                     |
| <b>86</b>                                       | 17600                             | 17.18    | 109300                                         | 2.6                                |                                                                                    |            |            |              |                       |                                                                                     |
| <b>41</b>                                       | 37600                             | 36.61    | 86500                                          | 0.95                               |                                                                                    |            |            |              |                       |                                                                                     |
| <b>61</b>                                       | 25200                             | 24.52    | 91700                                          | 1.40                               | <b>K</b>                                                                           | <b>167</b> | <b>DRN</b> | <b>315L4</b> | 2060                  | 709                                                                                 |
| <b>73</b>                                       | 20800                             | 20.32    | 92000                                          | 1.70                               | <b>KH</b>                                                                          | <b>167</b> | <b>DRN</b> | <b>315L4</b> | 2020                  | 710                                                                                 |
| <b>86</b>                                       | 17800                             | 17.34    | 91600                                          | 1.95                               |                                                                                    |            |            |              |                       |                                                                                     |
| <b>81</b>                                       | 18800                             | 18.37    | 39800                                          | 1.05                               | <b>K</b>                                                                           | <b>157</b> | <b>DRN</b> | <b>315L4</b> | 1670                  | 702                                                                                 |
| <b>100</b>                                      | 15300                             | 14.92    | 42600                                          | 1.30                               | <b>KF</b>                                                                          | <b>157</b> | <b>DRN</b> | <b>315L4</b> | 1750                  | 703                                                                                 |
| <b>117</b>                                      | 13000                             | 12.65    | 44100                                          | 1.45                               | <b>KA</b>                                                                          | <b>157</b> | <b>DRN</b> | <b>315L4</b> | 1630                  | 705                                                                                 |
|                                                 |                                   |          |                                                |                                    | <b>KAF</b>                                                                         | <b>157</b> | <b>DRN</b> | <b>315L4</b> | 1690                  | 703                                                                                 |

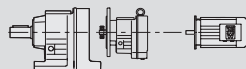
  

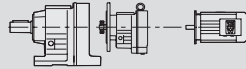
| <b>P<sub>m</sub> = 200 kW</b>                   |                                   |          |                                                |                                    |                                                                                      |            |            |                     |                       |                                                                                       |
|-------------------------------------------------|-----------------------------------|----------|------------------------------------------------|------------------------------------|--------------------------------------------------------------------------------------|------------|------------|---------------------|-----------------------|---------------------------------------------------------------------------------------|
| <b>n<sub>a</sub></b><br><b>min<sup>-1</sup></b> | <b>M<sub>a</sub></b><br><b>Nm</b> | <b>i</b> | <b>F<sub>Ra</sub><sup>1)</sup></b><br><b>N</b> | <b>SEW</b><br><b>f<sub>B</sub></b> |  |            |            |                     | <b>m</b><br><b>kg</b> |  |
| <b>33</b>                                       | 58300                             | 45.50*   | 92600                                          | 0.90                               | <b>K</b>                                                                             | <b>187</b> | <b>DRN</b> | <b>315H4</b>        | 2760                  | 711                                                                                   |
|                                                 |                                   |          |                                                |                                    | <b>KH</b>                                                                            | <b>187</b> | <b>DRN</b> | <b>315H4</b>        | 2700                  | 712                                                                                   |
| <b>45</b>                                       | 42600                             | 33.23    | 100500                                         | 1.25                               | <b>K</b>                                                                             | <b>187</b> | <b>DRN</b> | <b>315H4/ERF/NS</b> | 2760                  | 711                                                                                   |
|                                                 |                                   |          |                                                |                                    | <b>KH</b>                                                                            | <b>187</b> | <b>DRN</b> | <b>315H4/ERF/NS</b> | 2700                  | 712                                                                                   |
| <b>53</b>                                       | 35800                             | 27.92    | 102500                                         | 1.50                               |                                                                                      |            |            |                     |                       |                                                                                       |
| <b>62</b>                                       | 31000                             | 24.18    | 103300                                         | 1.70                               | <b>K</b>                                                                             | <b>187</b> | <b>DRN</b> | <b>315H4</b>        | 2760                  | 711                                                                                   |
| <b>74</b>                                       | 25800                             | 20.15    | 103200                                         | 1.90                               | <b>KH</b>                                                                            | <b>187</b> | <b>DRN</b> | <b>315H4</b>        | 2700                  | 712                                                                                   |
| <b>87</b>                                       | 22000                             | 17.18    | 102400                                         | 2.1                                |                                                                                      |            |            |                     |                       |                                                                                       |
| <b>61</b>                                       | 31400                             | 24.52    | 80200                                          | 1.10                               | <b>K</b>                                                                             | <b>167</b> | <b>DRN</b> | <b>315H4/ERF/NS</b> | 2180                  | 709                                                                                   |
|                                                 |                                   |          |                                                |                                    | <b>KH</b>                                                                            | <b>167</b> | <b>DRN</b> | <b>315H4/ERF/NS</b> | 2140                  | 710                                                                                   |
| <b>73</b>                                       | 26000                             | 20.32    | 82500                                          | 1.35                               | <b>K</b>                                                                             | <b>167</b> | <b>DRN</b> | <b>315H4</b>        | 2180                  | 709                                                                                   |
| <b>86</b>                                       | 22200                             | 17.34    | 83400                                          | 1.55                               | <b>KH</b>                                                                            | <b>167</b> | <b>DRN</b> | <b>315H4</b>        | 2140                  | 710                                                                                   |
| <b>81</b>                                       | 23500                             | 18.37    | 23200                                          | 0.85                               | <b>K</b>                                                                             | <b>157</b> | <b>DRN</b> | <b>315H4</b>        | 1790                  | 702                                                                                   |
| <b>100</b>                                      | 19100                             | 14.92    | 34300                                          | 1.05                               | <b>KF</b>                                                                            | <b>157</b> | <b>DRN</b> | <b>315H4</b>        | 1860                  | 703                                                                                   |
| <b>118</b>                                      | 16200                             | 12.65    | 37000                                          | 1.15                               | <b>KA</b>                                                                            | <b>157</b> | <b>DRN</b> | <b>315H4</b>        | 1750                  | 705                                                                                   |
|                                                 |                                   |          |                                                |                                    | <b>KAF</b>                                                                           | <b>157</b> | <b>DRN</b> | <b>315H4</b>        | 1810                  | 703                                                                                   |

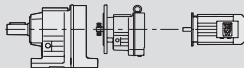
# 10.4 Tableaux de sélection pour très petites vitesses de sortie K..R..DRN.. en Nm

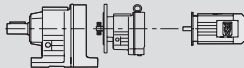
| <b>M<sub>a max</sub> = 200 Nm</b>               |          |                                                |                                                                                    |       |     |       |                       |                                                                                     |
|-------------------------------------------------|----------|------------------------------------------------|------------------------------------------------------------------------------------|-------|-----|-------|-----------------------|-------------------------------------------------------------------------------------|
| <b>n<sub>a</sub></b><br><b>min<sup>-1</sup></b> | <b>i</b> | <b>F<sub>Ra</sub><sup>1)</sup></b><br><b>N</b> |  |       |     |       | <b>m</b><br><b>kg</b> |  |
| 0.20                                            | 6832     | 5210                                           | K<br>KF<br>KA<br>KAF                                                               | 37R17 | DRN | 63MS4 | 20                    | 713                                                                                 |
| 0.23                                            | 5922     | 5210                                           |                                                                                    |       |     |       |                       |                                                                                     |
| 0.25                                            | 5491     | 5210                                           |                                                                                    |       |     |       |                       |                                                                                     |
| 0.29                                            | 4759     | 5210                                           |                                                                                    |       |     |       |                       |                                                                                     |
| 0.33                                            | 4160     | 5210                                           |                                                                                    |       |     |       |                       |                                                                                     |
| 0.38                                            | 3645     | 5210                                           |                                                                                    |       |     |       |                       |                                                                                     |
| 0.43                                            | 3205     | 5210                                           |                                                                                    |       |     |       |                       |                                                                                     |
| 0.49                                            | 2801     | 5210                                           |                                                                                    |       |     |       |                       |                                                                                     |
| 0.56                                            | 2454     | 5210                                           |                                                                                    |       |     |       |                       |                                                                                     |
| 0.64                                            | 2166     | 5210                                           |                                                                                    |       |     |       |                       |                                                                                     |
| 0.73                                            | 1891     | 5210                                           |                                                                                    |       |     |       |                       |                                                                                     |
| 0.83                                            | 1660     | 5210                                           |                                                                                    |       |     |       |                       |                                                                                     |
| 0.94                                            | 1466     | 5210                                           |                                                                                    |       |     |       |                       |                                                                                     |
| 1.1                                             | 1288     | 5210                                           |                                                                                    |       |     |       |                       |                                                                                     |
| 1.2                                             | 1136     | 5210                                           |                                                                                    |       |     |       |                       |                                                                                     |
| 1.4                                             | 996      | 5210                                           | K<br>KF<br>KA<br>KAF                                                               | 37R17 | DRN | 63MS4 | 19                    | 713                                                                                 |
| 1.6                                             | 876      | 5210                                           |                                                                                    |       |     |       |                       |                                                                                     |
| 1.8                                             | 761      | 5210                                           |                                                                                    |       |     |       |                       |                                                                                     |
| 2.1                                             | 671      | 5210                                           |                                                                                    |       |     |       |                       |                                                                                     |
| 2.4                                             | 585      | 5210                                           |                                                                                    |       |     |       |                       |                                                                                     |
| 2.7                                             | 512      | 5210                                           |                                                                                    |       |     |       |                       |                                                                                     |
| 3.1                                             | 451      | 5210                                           |                                                                                    |       |     |       |                       |                                                                                     |
| 3.5                                             | 396      | 5210                                           |                                                                                    |       |     |       |                       |                                                                                     |
| 4.0                                             | 346      | 5210                                           | K<br>KF<br>KA<br>KAF                                                               | 37R17 | DRN | 63M4  | 20                    | 713                                                                                 |
| 4.5                                             | 304      | 5210                                           |                                                                                    |       |     |       |                       |                                                                                     |
| 5.2                                             | 267      | 5210                                           |                                                                                    |       |     |       |                       |                                                                                     |
| 5.9                                             | 234      | 5210                                           |                                                                                    |       |     |       |                       |                                                                                     |
| 6.7                                             | 205      | 5210                                           | K<br>KF<br>KA<br>KAF                                                               | 37R17 | DRN | 63M4  | 23                    | 713                                                                                 |
| 7.8                                             | 181      | 5210                                           |                                                                                    |       |     |       |                       |                                                                                     |
| 8.8                                             | 160      | 5210                                           |                                                                                    |       |     |       |                       |                                                                                     |
| 10                                              | 136      | 5210                                           |                                                                                    |       |     |       |                       |                                                                                     |
| 11                                              | 127      | 5210                                           | K<br>KF<br>KA<br>KAF                                                               | 37R17 | DRN | 71MS4 | 21                    | 713                                                                                 |
| 13                                              | 110      | 5210                                           |                                                                                    |       |     |       |                       |                                                                                     |
| 15                                              | 96       | 5210                                           |                                                                                    |       |     |       |                       |                                                                                     |
| 19                                              | 75       | 7500                                           |                                                                                    |       |     |       |                       |                                                                                     |

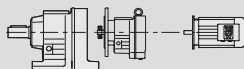
| <b>M<sub>a max</sub> = 295 Nm</b>               |          |                                                |                                                                                      |       |     |      |                       |                                                                                       |
|-------------------------------------------------|----------|------------------------------------------------|--------------------------------------------------------------------------------------|-------|-----|------|-----------------------|---------------------------------------------------------------------------------------|
| <b>n<sub>a</sub></b><br><b>min<sup>-1</sup></b> | <b>i</b> | <b>F<sub>Ra</sub><sup>1)</sup></b><br><b>N</b> |  |       |     |      | <b>m</b><br><b>kg</b> |  |
| 19                                              | 75       | 7500                                           | K                                                                                    | 39R17 | DRN | 80M4 | 32                    | 713                                                                                   |
|                                                 |          |                                                | KF                                                                                   | 39R17 | DRN | 80M4 | 34                    | 713                                                                                   |
|                                                 |          |                                                | KA                                                                                   | 39R17 | DRN | 80M4 | 31                    | 713                                                                                   |
|                                                 |          |                                                | KAF                                                                                  | 39R17 | DRN | 80M4 | 33                    | 713                                                                                   |

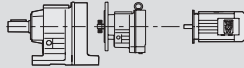
| M <sub>a max</sub> = 300 Nm         |      |                                    |                                                                                    |       |     |       |         |                                                                                     |
|-------------------------------------|------|------------------------------------|------------------------------------------------------------------------------------|-------|-----|-------|---------|-------------------------------------------------------------------------------------|
| n <sub>a</sub><br>min <sup>-1</sup> | i    | F <sub>Ra</sub> <sup>1)</sup><br>N |  |       |     |       | m<br>kg |  |
| 0.34                                | 4057 | 7500                               |                                                                                    |       |     |       |         |                                                                                     |
| 0.41                                | 3370 | 7500                               |                                                                                    |       |     |       |         |                                                                                     |
| 0.47                                | 2906 | 7500                               |                                                                                    |       |     |       |         |                                                                                     |
| 0.55                                | 2508 | 7500                               |                                                                                    |       |     |       |         |                                                                                     |
| 0.58                                | 2367 | 7500                               |                                                                                    |       |     |       |         |                                                                                     |
| 0.64                                | 2162 | 7500                               |                                                                                    |       |     |       |         |                                                                                     |
| 0.73                                | 1881 | 7500                               |                                                                                    |       |     |       |         |                                                                                     |
| 0.78                                | 1762 | 7500                               |                                                                                    |       |     |       |         |                                                                                     |
| 0.85                                | 1622 | 7500                               |                                                                                    |       |     |       |         |                                                                                     |
| 0.92                                | 1494 | 7500                               |                                                                                    |       |     |       |         |                                                                                     |
| 1.0                                 | 1321 | 7500                               |                                                                                    |       |     |       |         |                                                                                     |
| 1.2                                 | 1169 | 7500                               |                                                                                    |       |     |       |         |                                                                                     |
| 1.3                                 | 1093 | 7500                               |                                                                                    |       |     |       |         |                                                                                     |
| 1.4                                 | 956  | 7500                               |                                                                                    |       |     |       |         |                                                                                     |
| 1.7                                 | 814  | 7500                               |                                                                                    |       |     |       |         |                                                                                     |
| 1.9                                 | 711  | 7500                               |                                                                                    |       |     |       |         |                                                                                     |
| 2.3                                 | 605  | 7500                               |                                                                                    |       |     |       |         |                                                                                     |
| 2.7                                 | 504  | 7500                               |                                                                                    |       |     |       |         |                                                                                     |
| 3.0                                 | 454  | 7500                               |                                                                                    |       |     |       |         |                                                                                     |
| 3.5                                 | 399  | 7500                               |                                                                                    |       |     |       |         |                                                                                     |
| 3.8                                 | 365  | 7500                               |                                                                                    |       |     |       |         |                                                                                     |
| 4.4                                 | 312  | 7500                               |                                                                                    |       |     |       |         |                                                                                     |
| 4.6                                 | 299  | 7500                               |                                                                                    |       |     |       |         |                                                                                     |
| 5.5                                 | 254  | 7500                               |                                                                                    |       |     |       |         |                                                                                     |
| 6.0                                 | 234  | 7500                               |                                                                                    |       |     |       |         |                                                                                     |
| 6.7                                 | 210  | 7500                               |                                                                                    |       |     |       |         |                                                                                     |
| 7.5                                 | 189  | 7500                               |                                                                                    |       |     |       |         |                                                                                     |
| 8.1                                 | 174  | 7500                               |                                                                                    |       |     |       |         |                                                                                     |
| 9.1                                 | 156  | 7500                               |                                                                                    |       |     |       |         |                                                                                     |
| 10.0                                | 142  | 7500                               |                                                                                    |       |     |       |         |                                                                                     |
| 12                                  | 117  | 7500                               |                                                                                    |       |     |       |         |                                                                                     |
|                                     |      |                                    | K                                                                                  | 39R17 | DRN | 63MS4 | 25      | 713                                                                                 |
|                                     |      |                                    | KF                                                                                 | 39R17 | DRN | 63MS4 | 26      | 713                                                                                 |
|                                     |      |                                    | KA                                                                                 | 39R17 | DRN | 63MS4 | 24      | 713                                                                                 |
|                                     |      |                                    | KAF                                                                                | 39R17 | DRN | 63MS4 | 25      | 713                                                                                 |
|                                     |      |                                    | K                                                                                  | 39R17 | DRN | 63M4  | 25      | 713                                                                                 |
|                                     |      |                                    | KF                                                                                 | 39R17 | DRN | 63M4  | 27      | 713                                                                                 |
|                                     |      |                                    | KA                                                                                 | 39R17 | DRN | 63M4  | 24      | 713                                                                                 |
|                                     |      |                                    | KAF                                                                                | 39R17 | DRN | 63M4  | 26      | 713                                                                                 |
|                                     |      |                                    | K                                                                                  | 39R17 | DRN | 71MS4 | 26      | 713                                                                                 |
|                                     |      |                                    | KF                                                                                 | 39R17 | DRN | 71MS4 | 27      | 713                                                                                 |
|                                     |      |                                    | KA                                                                                 | 39R17 | DRN | 71MS4 | 25      | 713                                                                                 |
|                                     |      |                                    | KAF                                                                                | 39R17 | DRN | 71MS4 | 26      | 713                                                                                 |
|                                     |      |                                    | K                                                                                  | 39R17 | DRN | 71M4  | 27      | 713                                                                                 |
|                                     |      |                                    | KF                                                                                 | 39R17 | DRN | 71M4  | 29      | 713                                                                                 |
|                                     |      |                                    | KA                                                                                 | 39R17 | DRN | 71M4  | 26      | 713                                                                                 |
|                                     |      |                                    | KAF                                                                                | 39R17 | DRN | 71M4  | 28      | 713                                                                                 |
|                                     |      |                                    | K                                                                                  | 39R17 | DRN | 80M4  | 32      | 713                                                                                 |
|                                     |      |                                    | KF                                                                                 | 39R17 | DRN | 80M4  | 34      | 713                                                                                 |
|                                     |      |                                    | KA                                                                                 | 39R17 | DRN | 80M4  | 31      | 713                                                                                 |
|                                     |      |                                    | KAF                                                                                | 39R17 | DRN | 80M4  | 33      | 713                                                                                 |

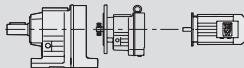
| M <sub>a max</sub> = 400 Nm         |       |                                    |                                                                                      |       |     |       |         |                                                                                       |
|-------------------------------------|-------|------------------------------------|--------------------------------------------------------------------------------------|-------|-----|-------|---------|---------------------------------------------------------------------------------------|
| n <sub>a</sub><br>min <sup>-1</sup> | i     | F <sub>Ra</sub> <sup>1)</sup><br>N |  |       |     |       | m<br>kg |  |
| 0.14                                | 10138 | 5920                               |                                                                                      |       |     |       |         |                                                                                       |
| 0.16                                | 8534  | 5920                               |                                                                                      |       |     |       |         |                                                                                       |
| 0.18                                | 7662  | 5920                               |                                                                                      |       |     |       |         |                                                                                       |
| 0.20                                | 6826  | 5920                               |                                                                                      |       |     |       |         |                                                                                       |
| 0.23                                | 5983  | 5920                               |                                                                                      |       |     |       |         |                                                                                       |
| 0.27                                | 5159  | 5920                               |                                                                                      |       |     |       |         |                                                                                       |
| 0.30                                | 4601  | 5920                               |                                                                                      |       |     |       |         |                                                                                       |
| 0.35                                | 3940  | 5920                               |                                                                                      |       |     |       |         |                                                                                       |
| 0.40                                | 3477  | 5920                               |                                                                                      |       |     |       |         |                                                                                       |
| 0.45                                | 3043  | 5920                               |                                                                                      |       |     |       |         |                                                                                       |
| 0.51                                | 2733  | 5920                               |                                                                                      |       |     |       |         |                                                                                       |
| 0.59                                | 2354  | 5920                               |                                                                                      |       |     |       |         |                                                                                       |
| 0.67                                | 2063  | 5920                               |                                                                                      |       |     |       |         |                                                                                       |
| 0.76                                | 1819  | 5920                               |                                                                                      |       |     |       |         |                                                                                       |
| 0.87                                | 1586  | 5920                               |                                                                                      |       |     |       |         |                                                                                       |
| 0.99                                | 1388  | 5920                               |                                                                                      |       |     |       |         |                                                                                       |
| 1.1                                 | 1222  | 5920                               |                                                                                      |       |     |       |         |                                                                                       |
| 1.3                                 | 1097  | 5920                               |                                                                                      |       |     |       |         |                                                                                       |
| 1.5                                 | 945   | 5920                               |                                                                                      |       |     |       |         |                                                                                       |
| 1.7                                 | 831   | 5920                               |                                                                                      |       |     |       |         |                                                                                       |
| 1.9                                 | 718   | 5920                               |                                                                                      |       |     |       |         |                                                                                       |
| 2.2                                 | 639   | 5920                               |                                                                                      |       |     |       |         |                                                                                       |
| 2.5                                 | 552   | 5920                               |                                                                                      |       |     |       |         |                                                                                       |
| 2.8                                 | 495   | 5920                               |                                                                                      |       |     |       |         |                                                                                       |
| 3.2                                 | 426   | 5920                               |                                                                                      |       |     |       |         |                                                                                       |
|                                     |       |                                    |                                                                                      |       |     |       |         |                                                                                       |
|                                     |       |                                    | K                                                                                    | 47R37 | DRN | 63MS4 | 34      | 713                                                                                   |
|                                     |       |                                    | KF                                                                                   | 47R37 | DRN | 63MS4 | 37      | 713                                                                                   |
|                                     |       |                                    | KA                                                                                   | 47R37 | DRN | 63MS4 | 33      | 713                                                                                   |
|                                     |       |                                    | KAF                                                                                  | 47R37 | DRN | 63MS4 | 36      | 713                                                                                   |
|                                     |       |                                    | K                                                                                    | 47R37 | DRN | 63M4  | 34      | 713                                                                                   |
|                                     |       |                                    | KF                                                                                   | 47R37 | DRN | 63M4  | 37      | 713                                                                                   |
|                                     |       |                                    | KA                                                                                   | 47R37 | DRN | 63M4  | 33      | 713                                                                                   |
|                                     |       |                                    | KAF                                                                                  | 47R37 | DRN | 63M4  | 36      | 713                                                                                   |

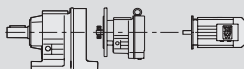
| <b>M<sub>a max</sub> = 400 Nm</b>               |          |                                                |                                                                                    |       |     |       |                       |                                                                                     |
|-------------------------------------------------|----------|------------------------------------------------|------------------------------------------------------------------------------------|-------|-----|-------|-----------------------|-------------------------------------------------------------------------------------|
| <b>n<sub>a</sub></b><br><b>min<sup>-1</sup></b> | <b>i</b> | <b>F<sub>Ra</sub><sup>1)</sup></b><br><b>N</b> |  |       |     |       | <b>m</b><br><b>kg</b> |  |
| 3.8                                             | 375      | 5920                                           | K                                                                                  | 47R37 | DRN | 71MS4 | 35                    | 713                                                                                 |
| 4.3                                             | 327      | 5920                                           | KF                                                                                 | 47R37 | DRN | 71MS4 | 38                    | 713                                                                                 |
| 4.9                                             | 289      | 5920                                           | KA                                                                                 | 47R37 | DRN | 71MS4 | 34                    | 713                                                                                 |
|                                                 |          |                                                | KAF                                                                                | 47R37 | DRN | 71MS4 | 37                    | 713                                                                                 |
| 5.5                                             | 256      | 5920                                           | K                                                                                  | 47R37 | DRN | 71M4  | 36                    | 713                                                                                 |
| 6.3                                             | 225      | 5920                                           | KF                                                                                 | 47R37 | DRN | 71M4  | 39                    | 713                                                                                 |
| 7.1                                             | 198      | 5920                                           | KA                                                                                 | 47R37 | DRN | 71M4  | 35                    | 713                                                                                 |
|                                                 |          |                                                | KAF                                                                                | 47R37 | DRN | 71M4  | 38                    | 713                                                                                 |
| 8.4                                             | 171      | 5920                                           | K                                                                                  | 47R37 | DRN | 80MK4 | 38                    | 713                                                                                 |
| 9.4                                             | 153      | 5920                                           | KF                                                                                 | 47R37 | DRN | 80MK4 | 42                    | 713                                                                                 |
| 11                                              | 131      | 5920                                           | KA                                                                                 | 47R37 | DRN | 80MK4 | 37                    | 713                                                                                 |
|                                                 |          |                                                | KAF                                                                                | 47R37 | DRN | 80MK4 | 40                    | 713                                                                                 |
| 13                                              | 112      | 5920                                           | K                                                                                  | 47R37 | DRN | 80M4  | 42                    | 713                                                                                 |
| 15                                              | 99       | 5920                                           | KF                                                                                 | 47R37 | DRN | 80M4  | 45                    | 713                                                                                 |
| 15                                              | 94       | 5920                                           | KA                                                                                 | 47R37 | DRN | 80M4  | 41                    | 713                                                                                 |
|                                                 |          |                                                | KAF                                                                                | 47R37 | DRN | 80M4  | 44                    | 713                                                                                 |

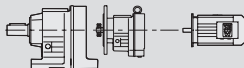
| <b>M<sub>a max</sub> = 500 Nm</b>               |          |                                                |                                                                                    |       |     |       |                       |                                                                                     |
|-------------------------------------------------|----------|------------------------------------------------|------------------------------------------------------------------------------------|-------|-----|-------|-----------------------|-------------------------------------------------------------------------------------|
| <b>n<sub>a</sub></b><br><b>min<sup>-1</sup></b> | <b>i</b> | <b>F<sub>Ra</sub><sup>1)</sup></b><br><b>N</b> |  |       |     |       | <b>m</b><br><b>kg</b> |  |
| 0.19                                            | 7137     | 9000                                           |                                                                                    |       |     |       |                       |                                                                                     |
| 0.23                                            | 5991     | 9000                                           |                                                                                    |       |     |       |                       |                                                                                     |
| 0.27                                            | 5120     | 9000                                           |                                                                                    |       |     |       |                       |                                                                                     |
| 0.34                                            | 4034     | 9000                                           |                                                                                    |       |     |       |                       |                                                                                     |
| 0.39                                            | 3580     | 9000                                           |                                                                                    |       |     |       |                       |                                                                                     |
| 0.45                                            | 3081     | 9000                                           |                                                                                    |       |     |       |                       |                                                                                     |
| 0.50                                            | 2773     | 9000                                           | K                                                                                  | 49R37 | DRN | 63MS4 | 43                    | 713                                                                                 |
| 0.54                                            | 2545     | 9000                                           | KF                                                                                 | 49R37 | DRN | 63MS4 | 45                    | 713                                                                                 |
| 0.58                                            | 2372     | 9000                                           | KA                                                                                 | 49R37 | DRN | 63MS4 | 40                    | 713                                                                                 |
| 0.65                                            | 2118     | 9000                                           | KAF                                                                                | 49R37 | DRN | 63MS4 | 45                    | 713                                                                                 |
| 0.71                                            | 1941     | 9000                                           |                                                                                    |       |     |       |                       |                                                                                     |
| 0.79                                            | 1741     | 9000                                           |                                                                                    |       |     |       |                       |                                                                                     |
| 0.85                                            | 1632     | 9000                                           |                                                                                    |       |     |       |                       |                                                                                     |
| 0.91                                            | 1521     | 9000                                           |                                                                                    |       |     |       |                       |                                                                                     |
| 1.1                                             | 1228     | 9000                                           |                                                                                    |       |     |       |                       |                                                                                     |
| 1.4                                             | 1000     | 9000                                           |                                                                                    |       |     |       |                       |                                                                                     |
| 0.97                                            | 1424     | 9000                                           | K                                                                                  | 49R37 | DRN | 63MS4 | 43                    | 713                                                                                 |
| 1.1                                             | 1309     | 9000                                           | KF                                                                                 | 49R37 | DRN | 63MS4 | 45                    | 713                                                                                 |
| 1.2                                             | 1120     | 9000                                           | KA                                                                                 | 49R37 | DRN | 63MS4 | 40                    | 713                                                                                 |
| 1.5                                             | 908      | 9000                                           | KAF                                                                                | 49R37 | DRN | 63MS4 | 45                    | 713                                                                                 |
| 1.7                                             | 802      | 9000                                           |                                                                                    |       |     |       |                       |                                                                                     |
| 2.0                                             | 701      | 9000                                           | K                                                                                  | 49R37 | DRN | 63M4  | 44                    | 713                                                                                 |
| 2.1                                             | 645      | 9000                                           | KF                                                                                 | 49R37 | DRN | 63M4  | 46                    | 713                                                                                 |
| 2.3                                             | 595      | 9000                                           | KA                                                                                 | 49R37 | DRN | 63M4  | 41                    | 713                                                                                 |
| 2.5                                             | 543      | 9000                                           | KAF                                                                                | 49R37 | DRN | 63M4  | 46                    | 713                                                                                 |
| 2.7                                             | 501      | 9000                                           |                                                                                    |       |     |       |                       |                                                                                     |
| 3.1                                             | 449      | 9000                                           | K                                                                                  | 49R37 | DRN | 71MS4 | 44                    | 713                                                                                 |
| 3.5                                             | 401      | 9000                                           | KF                                                                                 | 49R37 | DRN | 71MS4 | 46                    | 713                                                                                 |
| 3.9                                             | 360      | 9000                                           | KA                                                                                 | 49R37 | DRN | 71MS4 | 42                    | 713                                                                                 |
|                                                 |          |                                                | KAF                                                                                | 49R37 | DRN | 71MS4 | 46                    | 713                                                                                 |
| 4.3                                             | 330      | 9000                                           | K                                                                                  | 49R37 | DRN | 71M4  | 46                    | 713                                                                                 |
| 4.7                                             | 300      | 9000                                           | KF                                                                                 | 49R37 | DRN | 71M4  | 47                    | 713                                                                                 |
| 5.2                                             | 274      | 9000                                           | KA                                                                                 | 49R37 | DRN | 71M4  | 43                    | 713                                                                                 |
| 5.8                                             | 243      | 9000                                           | KAF                                                                                | 49R37 | DRN | 71M4  | 48                    | 713                                                                                 |
| 6.6                                             | 217      | 9000                                           | K                                                                                  | 49R37 | DRN | 80MK4 | 48                    | 713                                                                                 |
| 7.4                                             | 193      | 9000                                           | KF                                                                                 | 49R37 | DRN | 80MK4 | 50                    | 713                                                                                 |
| 8.2                                             | 176      | 9000                                           | KA                                                                                 | 49R37 | DRN | 80MK4 | 45                    | 713                                                                                 |
|                                                 |          |                                                | KAF                                                                                | 49R37 | DRN | 80MK4 | 50                    | 713                                                                                 |
| 9.5                                             | 152      | 9000                                           | K                                                                                  | 49R37 | DRN | 80M4  | 51                    | 713                                                                                 |
| 12                                              | 125      | 9000                                           | KF                                                                                 | 49R37 | DRN | 80M4  | 53                    | 713                                                                                 |
|                                                 |          |                                                | KA                                                                                 | 49R37 | DRN | 80M4  | 48                    | 713                                                                                 |
|                                                 |          |                                                | KAF                                                                                | 49R37 | DRN | 80M4  | 53                    | 713                                                                                 |

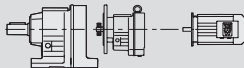
| M <sub>a max</sub> = 500 Nm         |    |                                    |                                                                                    |       |     |      |         |                                                                                     |
|-------------------------------------|----|------------------------------------|------------------------------------------------------------------------------------|-------|-----|------|---------|-------------------------------------------------------------------------------------|
| n <sub>a</sub><br>min <sup>-1</sup> | i  | F <sub>Ra</sub> <sup>1)</sup><br>N |  |       |     |      | m<br>kg |  |
| 15                                  | 99 | 9000                               | K                                                                                  | 49R37 | DRN | 90S4 | 57      | 713                                                                                 |
|                                     |    |                                    | KF                                                                                 | 49R37 | DRN | 90S4 | 59      | 713                                                                                 |
|                                     |    |                                    | KA                                                                                 | 49R37 | DRN | 90S4 | 54      | 713                                                                                 |
|                                     |    |                                    | KAF                                                                                | 49R37 | DRN | 90S4 | 59      | 713                                                                                 |

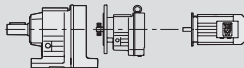
| M <sub>a max</sub> = 600 Nm         |       |                                    |                                                                                    |       |     |       |         |                                                                                     |
|-------------------------------------|-------|------------------------------------|------------------------------------------------------------------------------------|-------|-----|-------|---------|-------------------------------------------------------------------------------------|
| n <sub>a</sub><br>min <sup>-1</sup> | i     | F <sub>Ra</sub> <sup>1)</sup><br>N |  |       |     |       | m<br>kg |  |
| 0.11                                | 12169 | 7630                               |                                                                                    |       |     |       |         |                                                                                     |
| 0.12                                | 11162 | 7630                               |                                                                                    |       |     |       |         |                                                                                     |
| 0.15                                | 9503  | 7630                               |                                                                                    |       |     |       |         |                                                                                     |
| 0.16                                | 8547  | 7630                               |                                                                                    |       |     |       |         |                                                                                     |
| 0.19                                | 7277  | 7630                               |                                                                                    |       |     |       |         |                                                                                     |
| 0.21                                | 6478  | 7630                               |                                                                                    |       |     |       |         |                                                                                     |
| 0.24                                | 5662  | 7630                               | K                                                                                  | 57R37 | DRN | 63MS4 | 40      | 713                                                                                 |
| 0.27                                | 5033  | 7630                               | KF                                                                                 | 57R37 | DRN | 63MS4 | 44      | 713                                                                                 |
| 0.32                                | 4340  | 7630                               | KA                                                                                 | 57R37 | DRN | 63MS4 | 37      | 713                                                                                 |
| 0.36                                | 3854  | 7630                               | KAF                                                                                | 57R37 | DRN | 63MS4 | 43      | 713                                                                                 |
| 0.41                                | 3390  | 7630                               |                                                                                    |       |     |       |         |                                                                                     |
| 0.47                                | 2924  | 7630                               |                                                                                    |       |     |       |         |                                                                                     |
| 0.53                                | 2593  | 7630                               |                                                                                    |       |     |       |         |                                                                                     |
| 0.61                                | 2249  | 7630                               |                                                                                    |       |     |       |         |                                                                                     |
| 0.70                                | 1986  | 7630                               |                                                                                    |       |     |       |         |                                                                                     |
| 0.79                                | 1743  | 7630                               |                                                                                    |       |     |       |         |                                                                                     |
| 0.90                                | 1539  | 7630                               | K                                                                                  | 57R37 | DRN | 63MS4 | 39      | 713                                                                                 |
| 1.0                                 | 1354  | 7630                               | KF                                                                                 | 57R37 | DRN | 63MS4 | 44      | 713                                                                                 |
| 1.2                                 | 1174  | 7630                               | KA                                                                                 | 57R37 | DRN | 63MS4 | 37      | 713                                                                                 |
| 1.3                                 | 1036  | 7630                               | KAF                                                                                | 57R37 | DRN | 63MS4 | 43      | 713                                                                                 |
| 1.5                                 | 906   | 7630                               |                                                                                    |       |     |       |         |                                                                                     |
| 1.7                                 | 806   | 7630                               | K                                                                                  | 57R37 | DRN | 63M4  | 40      | 713                                                                                 |
| 2.0                                 | 699   | 7630                               | KF                                                                                 | 57R37 | DRN | 63M4  | 45      | 713                                                                                 |
| 2.2                                 | 615   | 7630                               | KA                                                                                 | 57R37 | DRN | 63M4  | 38      | 713                                                                                 |
|                                     |       |                                    | KAF                                                                                | 57R37 | DRN | 63M4  | 44      | 713                                                                                 |
| 2.6                                 | 544   | 7630                               | K                                                                                  | 57R37 | DRN | 71MS4 | 41      | 713                                                                                 |
| 3.0                                 | 473   | 7630                               | KF                                                                                 | 57R37 | DRN | 71MS4 | 45      | 713                                                                                 |
| 3.3                                 | 421   | 7630                               | KA                                                                                 | 57R37 | DRN | 71MS4 | 39      | 713                                                                                 |
|                                     |       |                                    | KAF                                                                                | 57R37 | DRN | 71MS4 | 44      | 713                                                                                 |
| 3.9                                 | 362   | 7630                               | K                                                                                  | 57R37 | DRN | 71M4  | 42      | 713                                                                                 |
| 4.4                                 | 319   | 7630                               | KF                                                                                 | 57R37 | DRN | 71M4  | 47      | 713                                                                                 |
| 5.1                                 | 280   | 7630                               | KA                                                                                 | 57R37 | DRN | 71M4  | 40      | 713                                                                                 |
|                                     |       |                                    | KAF                                                                                | 57R37 | DRN | 71M4  | 46      | 713                                                                                 |
| 5.8                                 | 246   | 7630                               | K                                                                                  | 57R37 | DRN | 80MK4 | 44      | 713                                                                                 |
| 6.7                                 | 215   | 7630                               | KF                                                                                 | 57R37 | DRN | 80MK4 | 49      | 713                                                                                 |
| 7.5                                 | 192   | 7630                               | KA                                                                                 | 57R37 | DRN | 80MK4 | 42      | 713                                                                                 |
|                                     |       |                                    | KAF                                                                                | 57R37 | DRN | 80MK4 | 48      | 713                                                                                 |
| 8.7                                 | 166   | 7630                               | K                                                                                  | 57R37 | DRN | 80M4  | 48      | 713                                                                                 |
| 10.0                                | 145   | 7630                               | KF                                                                                 | 57R37 | DRN | 80M4  | 52      | 713                                                                                 |
|                                     |       |                                    | KA                                                                                 | 57R37 | DRN | 80M4  | 45      | 713                                                                                 |
|                                     |       |                                    | KAF                                                                                | 57R37 | DRN | 80M4  | 51      | 713                                                                                 |
| 11                                  | 129   | 7630                               | K                                                                                  | 57R37 | DRN | 90S4  | 53      | 713                                                                                 |
| 13                                  | 111   | 7630                               | KF                                                                                 | 57R37 | DRN | 90S4  | 58      | 713                                                                                 |
|                                     |       |                                    | KA                                                                                 | 57R37 | DRN | 90S4  | 51      | 713                                                                                 |
| 15                                  | 97    | 7630                               | KAF                                                                                | 57R37 | DRN | 90S4  | 57      | 713                                                                                 |

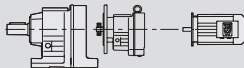
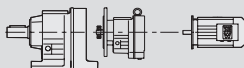
| <b>M<sub>a max</sub> = 820 Nm</b>         |          |                                          |                                                                                    |       |     |       |                 |                                                                                     |
|-------------------------------------------|----------|------------------------------------------|------------------------------------------------------------------------------------|-------|-----|-------|-----------------|-------------------------------------------------------------------------------------|
| <b>n<sub>a</sub><br/>min<sup>-1</sup></b> | <b>i</b> | <b>F<sub>Ra</sub><sup>1)</sup><br/>N</b> |  |       |     |       | <b>m<br/>kg</b> |  |
| 0.11                                      | 12139    | 10300                                    | K<br>KF<br>KA<br>KAF                                                               | 67R37 | DRN | 63MS4 | 45              | 713                                                                                 |
| 0.12                                      | 11134    | 10300                                    |                                                                                    |       |     |       |                 |                                                                                     |
| 0.15                                      | 9479     | 10300                                    |                                                                                    |       |     |       |                 |                                                                                     |
| 0.17                                      | 8173     | 10300                                    |                                                                                    |       |     |       |                 |                                                                                     |
| 0.19                                      | 7259     | 10300                                    |                                                                                    |       |     |       |                 |                                                                                     |
| 0.21                                      | 6462     | 10300                                    |                                                                                    |       |     |       |                 |                                                                                     |
| 0.24                                      | 5648     | 10300                                    |                                                                                    |       |     |       |                 |                                                                                     |
| 0.28                                      | 4846     | 10300                                    |                                                                                    |       |     |       |                 |                                                                                     |
| 0.32                                      | 4329     | 10300                                    |                                                                                    |       |     |       |                 |                                                                                     |
| 0.37                                      | 3750     | 10300                                    |                                                                                    |       |     |       |                 |                                                                                     |
| 0.42                                      | 3315     | 10300                                    |                                                                                    |       |     |       |                 |                                                                                     |
| 0.47                                      | 2917     | 10300                                    |                                                                                    |       |     |       |                 |                                                                                     |
| 0.55                                      | 2532     | 10300                                    |                                                                                    |       |     |       |                 |                                                                                     |
| 0.62                                      | 2244     | 10300                                    |                                                                                    |       |     |       |                 |                                                                                     |
| 0.70                                      | 1981     | 10300                                    |                                                                                    |       |     |       |                 |                                                                                     |
| 0.79                                      | 1739     | 10300                                    | K                                                                                  | 67R37 | DRN | 63MS4 | 45              | 713                                                                                 |
| 0.90                                      | 1535     | 10300                                    | KF                                                                                 | 67R37 | DRN | 63MS4 | 51              | 713                                                                                 |
| 1.0                                       | 1351     | 10300                                    | KA                                                                                 | 67R37 | DRN | 63MS4 | 42              | 713                                                                                 |
| 1.2                                       | 1171     | 10300                                    | KAF                                                                                | 67R37 | DRN | 63MS4 | 48              | 713                                                                                 |
| 1.3                                       | 1034     | 10300                                    | K                                                                                  | 67R37 | DRN | 63M4  | 46              | 713                                                                                 |
| 1.5                                       | 903      | 10300                                    | KF                                                                                 | 67R37 | DRN | 63M4  | 52              | 713                                                                                 |
| 1.7                                       | 793      | 10300                                    | KA                                                                                 | 67R37 | DRN | 63M4  | 43              | 713                                                                                 |
|                                           |          |                                          | KAF                                                                                | 67R37 | DRN | 63M4  | 49              | 713                                                                                 |
| 2.0                                       | 697      | 10300                                    | K                                                                                  | 67R37 | DRN | 71MS4 | 47              | 713                                                                                 |
|                                           |          |                                          | KF                                                                                 | 67R37 | DRN | 71MS4 | 52              | 713                                                                                 |
| 2.3                                       | 613      | 10300                                    | KA                                                                                 | 67R37 | DRN | 71MS4 | 44              | 713                                                                                 |
|                                           |          |                                          | KAF                                                                                | 67R37 | DRN | 71MS4 | 50              | 713                                                                                 |
| 2.6                                       | 542      | 10300                                    | K                                                                                  | 67R37 | DRN | 71M4  | 48              | 713                                                                                 |
|                                           |          |                                          | KF                                                                                 | 67R37 | DRN | 71M4  | 53              | 713                                                                                 |
| 3.0                                       | 471      | 10300                                    | KA                                                                                 | 67R37 | DRN | 71M4  | 45              | 713                                                                                 |
| 3.4                                       | 420      | 10300                                    | KAF                                                                                | 67R37 | DRN | 71M4  | 51              | 713                                                                                 |
| 4.0                                       | 361      | 10300                                    | K                                                                                  | 67R37 | DRN | 80MK4 | 50              | 713                                                                                 |
|                                           |          |                                          | KF                                                                                 | 67R37 | DRN | 80MK4 | 56              | 713                                                                                 |
| 4.5                                       | 323      | 10300                                    | KA                                                                                 | 67R37 | DRN | 80MK4 | 47              | 713                                                                                 |
| 5.1                                       | 279      | 10300                                    | KAF                                                                                | 67R37 | DRN | 80MK4 | 53              | 713                                                                                 |
| 5.9                                       | 246      | 10300                                    | K                                                                                  | 67R37 | DRN | 80M4  | 53              | 713                                                                                 |
|                                           |          |                                          | KF                                                                                 | 67R37 | DRN | 80M4  | 59              | 713                                                                                 |
| 6.6                                       | 217      | 10300                                    | KA                                                                                 | 67R37 | DRN | 80M4  | 51              | 713                                                                                 |
| 7.5                                       | 191      | 10300                                    | KAF                                                                                | 67R37 | DRN | 80M4  | 56              | 713                                                                                 |
| 8.8                                       | 166      | 10300                                    | K                                                                                  | 67R37 | DRN | 90S4  | 59              | 713                                                                                 |
|                                           |          |                                          | KF                                                                                 | 67R37 | DRN | 90S4  | 65              | 713                                                                                 |
| 10                                        | 144      | 10300                                    | KA                                                                                 | 67R37 | DRN | 90S4  | 57              | 713                                                                                 |
|                                           |          |                                          | KAF                                                                                | 67R37 | DRN | 90S4  | 62              | 713                                                                                 |
| 12                                        | 122      | 10300                                    | K                                                                                  | 67R37 | DRN | 90L4  | 62              | 713                                                                                 |
|                                           |          |                                          | KF                                                                                 | 67R37 | DRN | 90L4  | 68              | 713                                                                                 |
|                                           |          |                                          | KA                                                                                 | 67R37 | DRN | 90L4  | 60              | 713                                                                                 |
|                                           |          |                                          | KAF                                                                                | 67R37 | DRN | 90L4  | 65              | 713                                                                                 |

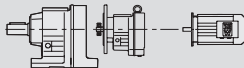
| M <sub>a max</sub> = 1550 Nm        |       |                                    |                                                                                    |       |     |        |         |                                                                                     |
|-------------------------------------|-------|------------------------------------|------------------------------------------------------------------------------------|-------|-----|--------|---------|-------------------------------------------------------------------------------------|
| n <sub>a</sub><br>min <sup>-1</sup> | i     | F <sub>Ra</sub> <sup>1)</sup><br>N |  |       |     |        | m<br>kg |  |
| 0.09                                | 15310 | 15400                              | K<br>KF<br>KA<br>KAF                                                               | 77R37 | DRN | 63MS4  | 70      | 713                                                                                 |
| 0.10                                | 14043 | 15400                              |                                                                                    |       |     |        |         |                                                                                     |
| 0.12                                | 11955 | 15400                              |                                                                                    |       |     |        |         |                                                                                     |
| 0.14                                | 10217 | 15400                              |                                                                                    |       |     |        |         |                                                                                     |
| 0.16                                | 8809  | 15400                              |                                                                                    |       |     |        |         |                                                                                     |
| 0.18                                | 7528  | 15400                              |                                                                                    |       |     |        |         |                                                                                     |
| 0.21                                | 6606  | 15400                              |                                                                                    |       |     |        |         |                                                                                     |
| 0.24                                | 5774  | 15400                              |                                                                                    |       |     |        |         |                                                                                     |
| 0.27                                | 5089  | 15400                              |                                                                                    |       |     |        |         |                                                                                     |
| 0.31                                | 4489  | 15400                              |                                                                                    |       |     |        |         |                                                                                     |
| 0.35                                | 3961  | 15400                              |                                                                                    |       |     |        |         |                                                                                     |
| 0.40                                | 3485  | 15400                              |                                                                                    |       |     |        |         |                                                                                     |
| 0.48                                | 2901  | 15400                              |                                                                                    |       |     |        |         |                                                                                     |
| 0.51                                | 2717  | 15400                              |                                                                                    |       |     |        |         |                                                                                     |
| 0.58                                | 2370  | 15400                              | K                                                                                  | 77R37 | DRN | 63M4   | 70      | 713                                                                                 |
|                                     |       |                                    | KF                                                                                 | 77R37 | DRN | 63M4   | 79      | 713                                                                                 |
|                                     |       |                                    | KA                                                                                 | 77R37 | DRN | 63M4   | 63      | 713                                                                                 |
|                                     |       |                                    | KAF                                                                                | 77R37 | DRN | 63M4   | 71      | 713                                                                                 |
| 0.67                                | 2050  | 15400                              | K                                                                                  | 77R37 | DRN | 63M4   | 70      | 713                                                                                 |
|                                     |       |                                    | KF                                                                                 | 77R37 | DRN | 63M4   | 78      | 713                                                                                 |
|                                     |       |                                    | KA                                                                                 | 77R37 | DRN | 63M4   | 63      | 713                                                                                 |
|                                     |       |                                    | KAF                                                                                | 77R37 | DRN | 63M4   | 71      | 713                                                                                 |
| 1.0                                 | 1388  | 15400                              | K                                                                                  | 77R37 | DRN | 71MS4  | 71      | 713                                                                                 |
|                                     |       |                                    | KF                                                                                 | 77R37 | DRN | 71MS4  | 79      | 713                                                                                 |
|                                     |       |                                    | KA                                                                                 | 77R37 | DRN | 71MS4  | 63      | 713                                                                                 |
|                                     |       |                                    | KAF                                                                                | 77R37 | DRN | 71MS4  | 71      | 713                                                                                 |
| 1.5                                 | 924   | 15400                              | K                                                                                  | 77R37 | DRN | 71M4   | 72      | 713                                                                                 |
|                                     |       |                                    | KF                                                                                 | 77R37 | DRN | 71M4   | 80      | 713                                                                                 |
|                                     |       |                                    | KA                                                                                 | 77R37 | DRN | 71M4   | 64      | 713                                                                                 |
|                                     |       |                                    | KAF                                                                                | 77R37 | DRN | 71M4   | 72      | 713                                                                                 |
| 2.3                                 | 622   | 15400                              | K                                                                                  | 77R37 | DRN | 80MK4  | 74      | 713                                                                                 |
|                                     |       |                                    | KF                                                                                 | 77R37 | DRN | 80MK4  | 82      | 713                                                                                 |
|                                     |       |                                    | KA                                                                                 | 77R37 | DRN | 80MK4  | 67      | 713                                                                                 |
|                                     |       |                                    | KAF                                                                                | 77R37 | DRN | 80MK4  | 75      | 713                                                                                 |
| 3.4                                 | 428   | 15400                              | K                                                                                  | 77R37 | DRN | 80M4   | 78      | 713                                                                                 |
|                                     |       |                                    | KF                                                                                 | 77R37 | DRN | 80M4   | 86      | 713                                                                                 |
|                                     |       |                                    | KA                                                                                 | 77R37 | DRN | 80M4   | 70      | 713                                                                                 |
|                                     |       |                                    | KAF                                                                                | 77R37 | DRN | 80M4   | 78      | 713                                                                                 |
| 4.4                                 | 328   | 15400                              | K                                                                                  | 77R37 | DRN | 90S4   | 83      | 713                                                                                 |
|                                     |       |                                    | KF                                                                                 | 77R37 | DRN | 90S4   | 92      | 713                                                                                 |
|                                     |       |                                    | KA                                                                                 | 77R37 | DRN | 90S4   | 76      | 713                                                                                 |
|                                     |       |                                    | KAF                                                                                | 77R37 | DRN | 90S4   | 84      | 713                                                                                 |
| 6.6                                 | 221   | 15400                              | K                                                                                  | 77R37 | DRN | 90L4   | 87      | 713                                                                                 |
|                                     |       |                                    | KF                                                                                 | 77R37 | DRN | 90L4   | 95      | 713                                                                                 |
|                                     |       |                                    | KA                                                                                 | 77R37 | DRN | 90L4   | 79      | 713                                                                                 |
|                                     |       |                                    | KAF                                                                                | 77R37 | DRN | 90L4   | 87      | 713                                                                                 |
| 9.4                                 | 154   | 15400                              | K                                                                                  | 77R37 | DRN | 100LS4 | 91      | 713                                                                                 |
|                                     |       |                                    | KF                                                                                 | 77R37 | DRN | 100LS4 | 99      | 713                                                                                 |
|                                     |       |                                    | KA                                                                                 | 77R37 | DRN | 100LS4 | 83      | 713                                                                                 |
|                                     |       |                                    | KAF                                                                                | 77R37 | DRN | 100LS4 | 91      | 713                                                                                 |

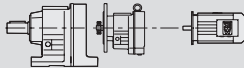
| M <sub>a max</sub> = 2600 Nm        |     |                                    |                                                                                      |       |     |       |         |                                                                                       |
|-------------------------------------|-----|------------------------------------|--------------------------------------------------------------------------------------|-------|-----|-------|---------|---------------------------------------------------------------------------------------|
| n <sub>a</sub><br>min <sup>-1</sup> | i   | F <sub>Ra</sub> <sup>1)</sup><br>N |  |       |     |       | m<br>kg |  |
| 10                                  | 141 | 27400                              | K                                                                                    | 87R57 | DRN | 112M4 | 155     | 713                                                                                   |
|                                     |     |                                    | KF                                                                                   | 87R57 | DRN | 112M4 | 165     | 713                                                                                   |
|                                     |     |                                    | KA                                                                                   | 87R57 | DRN | 112M4 | 145     | 713                                                                                   |
|                                     |     |                                    | KAF                                                                                  | 87R57 | DRN | 112M4 | 155     | 713                                                                                   |

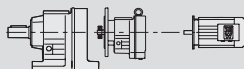
| <b>M<sub>a max</sub> = 2700 Nm</b>              |          |                                                |                                                                                    |       |     |        |                       |                                                                                     |
|-------------------------------------------------|----------|------------------------------------------------|------------------------------------------------------------------------------------|-------|-----|--------|-----------------------|-------------------------------------------------------------------------------------|
| <b>n<sub>a</sub></b><br><b>min<sup>-1</sup></b> | <b>i</b> | <b>F<sub>Ra</sub><sup>1)</sup></b><br><b>N</b> |  |       |     |        | <b>m</b><br><b>kg</b> |  |
| 0.09                                            | 14829    | 27300                                          | K<br>KF<br>KA<br>KAF                                                               | 87R57 | DRN | 63MS4  | 120                   | 713                                                                                 |
| 0.10                                            | 13168    | 27300                                          |                                                                                    |       |     |        | 130                   | 713                                                                                 |
| 0.12                                            | 11737    | 27300                                          |                                                                                    |       |     |        | 105                   | 713                                                                                 |
| 0.14                                            | 10217    | 27300                                          |                                                                                    |       |     |        | 120                   | 713                                                                                 |
| 0.15                                            | 9073     | 27300                                          |                                                                                    |       |     |        |                       |                                                                                     |
| 0.18                                            | 7854     | 27300                                          |                                                                                    |       |     |        |                       |                                                                                     |
| 0.20                                            | 6832     | 27300                                          |                                                                                    |       |     |        |                       |                                                                                     |
| 0.23                                            | 5930     | 27300                                          |                                                                                    |       |     |        |                       |                                                                                     |
| 0.26                                            | 5240     | 27300                                          |                                                                                    |       |     |        |                       |                                                                                     |
| 0.30                                            | 4562     | 27300                                          |                                                                                    |       |     |        |                       |                                                                                     |
| 0.34                                            | 4037     | 27300                                          | K                                                                                  | 87R57 | DRN | 63M4   | 120                   | 713                                                                                 |
| 0.38                                            | 3609     | 27300                                          | KF                                                                                 | 87R57 | DRN | 63M4   | 130                   | 713                                                                                 |
| 0.44                                            | 3107     | 27300                                          | KA                                                                                 | 87R57 | DRN | 63M4   | 105                   | 713                                                                                 |
| 0.50                                            | 2728     | 27300                                          | KAF                                                                                | 87R57 | DRN | 63M4   | 120                   | 713                                                                                 |
| 0.59                                            | 2371     | 27300                                          | K                                                                                  | 87R57 | DRN | 71MS4  | 120                   | 713                                                                                 |
|                                                 |          |                                                | KF                                                                                 | 87R57 | DRN | 71MS4  | 130                   | 713                                                                                 |
|                                                 |          |                                                | KA                                                                                 | 87R57 | DRN | 71MS4  | 110                   | 713                                                                                 |
|                                                 |          |                                                | KAF                                                                                | 87R57 | DRN | 71MS4  | 120                   | 713                                                                                 |
| 0.67                                            | 2088     | 27300                                          | K                                                                                  | 87R57 | DRN | 71MS4  | 120                   | 713                                                                                 |
|                                                 |          |                                                | KF                                                                                 | 87R57 | DRN | 71MS4  | 130                   | 713                                                                                 |
|                                                 |          |                                                | KA                                                                                 | 87R57 | DRN | 71MS4  | 105                   | 713                                                                                 |
|                                                 |          |                                                | KAF                                                                                | 87R57 | DRN | 71MS4  | 120                   | 713                                                                                 |
| 0.85                                            | 1657     | 27300                                          | K                                                                                  | 87R57 | DRN | 71M4   | 120                   | 713                                                                                 |
|                                                 |          |                                                | KF                                                                                 | 87R57 | DRN | 71M4   | 130                   | 713                                                                                 |
|                                                 |          |                                                | KA                                                                                 | 87R57 | DRN | 71M4   | 110                   | 713                                                                                 |
|                                                 |          |                                                | KAF                                                                                | 87R57 | DRN | 71M4   | 120                   | 713                                                                                 |
| 1.3                                             | 1078     | 27300                                          | K                                                                                  | 87R57 | DRN | 80MK4  | 125                   | 713                                                                                 |
|                                                 |          |                                                | KF                                                                                 | 87R57 | DRN | 80MK4  | 130                   | 713                                                                                 |
|                                                 |          |                                                | KA                                                                                 | 87R57 | DRN | 80MK4  | 110                   | 713                                                                                 |
|                                                 |          |                                                | KAF                                                                                | 87R57 | DRN | 80MK4  | 125                   | 713                                                                                 |
| 2.0                                             | 726      | 27300                                          | K                                                                                  | 87R57 | DRN | 80M4   | 125                   | 713                                                                                 |
|                                                 |          |                                                | KF                                                                                 | 87R57 | DRN | 80M4   | 135                   | 713                                                                                 |
|                                                 |          |                                                | KA                                                                                 | 87R57 | DRN | 80M4   | 115                   | 713                                                                                 |
|                                                 |          |                                                | KAF                                                                                | 87R57 | DRN | 80M4   | 125                   | 713                                                                                 |
| 2.6                                             | 562      | 27300                                          | K                                                                                  | 87R57 | DRN | 90S4   | 130                   | 713                                                                                 |
|                                                 |          |                                                | KF                                                                                 | 87R57 | DRN | 90S4   | 140                   | 713                                                                                 |
|                                                 |          |                                                | KA                                                                                 | 87R57 | DRN | 90S4   | 120                   | 713                                                                                 |
|                                                 |          |                                                | KAF                                                                                | 87R57 | DRN | 90S4   | 135                   | 713                                                                                 |
| 3.9                                             | 373      | 27300                                          | K                                                                                  | 87R57 | DRN | 90L4   | 135                   | 713                                                                                 |
|                                                 |          |                                                | KF                                                                                 | 87R57 | DRN | 90L4   | 145                   | 713                                                                                 |
|                                                 |          |                                                | KA                                                                                 | 87R57 | DRN | 90L4   | 125                   | 713                                                                                 |
|                                                 |          |                                                | KAF                                                                                | 87R57 | DRN | 90L4   | 135                   | 713                                                                                 |
| 4.9                                             | 294      | 27300                                          | K                                                                                  | 87R57 | DRN | 100LS4 | 140                   | 713                                                                                 |
|                                                 |          |                                                | KF                                                                                 | 87R57 | DRN | 100LS4 | 150                   | 713                                                                                 |
|                                                 |          |                                                | KA                                                                                 | 87R57 | DRN | 100LS4 | 125                   | 713                                                                                 |
|                                                 |          |                                                | KAF                                                                                | 87R57 | DRN | 100LS4 | 140                   | 713                                                                                 |
| 8.0                                             | 183      | 27300                                          | K                                                                                  | 87R57 | DRN | 100L4  | 145                   | 713                                                                                 |
|                                                 |          |                                                | KF                                                                                 | 87R57 | DRN | 100L4  | 155                   | 713                                                                                 |
|                                                 |          |                                                | KA                                                                                 | 87R57 | DRN | 100L4  | 135                   | 713                                                                                 |
|                                                 |          |                                                | KAF                                                                                | 87R57 | DRN | 100L4  | 150                   | 713                                                                                 |

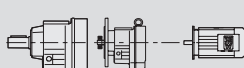
| <b>M<sub>a max</sub> = 4300 Nm</b>              |          |                                                |                                                                                      |       |     |       |                       |                                                                                       |
|-------------------------------------------------|----------|------------------------------------------------|--------------------------------------------------------------------------------------|-------|-----|-------|-----------------------|---------------------------------------------------------------------------------------|
| <b>n<sub>a</sub></b><br><b>min<sup>-1</sup></b> | <b>i</b> | <b>F<sub>Ra</sub><sup>1)</sup></b><br><b>N</b> |  |       |     |       | <b>m</b><br><b>kg</b> |  |
| 0.08                                            | 18091    | 40000                                          | K<br>KF<br>KA<br>KAF                                                                 | 97R57 | DRN | 63MS4 | 180                   | 713                                                                                   |
| 0.08                                            | 16666    | 40000                                          |                                                                                      |       |     |       | 200                   | 713                                                                                   |
| 0.09                                            | 14897    | 40000                                          |                                                                                      |       |     |       | 160                   | 713                                                                                   |
| 0.10                                            | 13182    | 40000                                          |                                                                                      |       |     |       | 185                   | 713                                                                                   |
| 0.12                                            | 11677    | 40000                                          |                                                                                      |       |     |       |                       |                                                                                       |
| 0.13                                            | 10317    | 40000                                          |                                                                                      |       |     |       |                       |                                                                                       |
| 0.15                                            | 9083     | 40000                                          |                                                                                      |       |     |       |                       |                                                                                       |
| 0.17                                            | 8054     | 40000                                          |                                                                                      |       |     |       |                       |                                                                                       |
| 0.20                                            | 6970     | 40000                                          |                                                                                      |       |     |       |                       |                                                                                       |

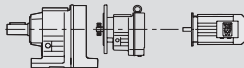
| <b>M<sub>a max</sub> = 4300 Nm</b>              |          |                                                |                                                                                      |        |     |        |                       |                                                                                       |
|-------------------------------------------------|----------|------------------------------------------------|--------------------------------------------------------------------------------------|--------|-----|--------|-----------------------|---------------------------------------------------------------------------------------|
| <b>n<sub>a</sub></b><br><b>min<sup>-1</sup></b> | <b>i</b> | <b>F<sub>Ra</sub><sup>1)</sup></b><br><b>N</b> |    |        |     |        | <b>m</b><br><b>kg</b> |    |
| 0.23                                            | 6027     | 40000                                          | K                                                                                    | 97R57  | DRN | 63M4   | 180                   | 713                                                                                   |
| 0.26                                            | 5391     | 40000                                          | KF                                                                                   | 97R57  | DRN | 63M4   | 200                   | 713                                                                                   |
| 0.29                                            | 4669     | 40000                                          | KA                                                                                   | 97R57  | DRN | 63M4   | 160                   | 713                                                                                   |
| 0.34                                            | 4082     | 40000                                          | KAF                                                                                  | 97R57  | DRN | 63M4   | 185                   | 713                                                                                   |
| 0.39                                            | 3583     | 40000                                          | K                                                                                    | 97R57  | DRN | 71MS4  | 180                   | 713                                                                                   |
| 0.45                                            | 3108     | 40000                                          | KF                                                                                   | 97R57  | DRN | 71MS4  | 200                   | 713                                                                                   |
|                                                 |          |                                                | KA                                                                                   | 97R57  | DRN | 71MS4  | 160                   | 713                                                                                   |
|                                                 |          |                                                | KAF                                                                                  | 97R57  | DRN | 71MS4  | 185                   | 713                                                                                   |
| 0.51                                            | 2757     | 40000                                          | K                                                                                    | 97R57  | DRN | 71M4   | 180                   | 713                                                                                   |
|                                                 |          |                                                | KF                                                                                   | 97R57  | DRN | 71M4   | 200                   | 713                                                                                   |
|                                                 |          |                                                | KA                                                                                   | 97R57  | DRN | 71M4   | 165                   | 713                                                                                   |
|                                                 |          |                                                | KAF                                                                                  | 97R57  | DRN | 71M4   | 190                   | 713                                                                                   |
| 0.58                                            | 2419     | 40000                                          | K                                                                                    | 97R57  | DRN | 71M4   | 180                   | 713                                                                                   |
| 0.67                                            | 2123     | 40000                                          | KF                                                                                   | 97R57  | DRN | 71M4   | 200                   | 713                                                                                   |
|                                                 |          |                                                | KA                                                                                   | 97R57  | DRN | 71M4   | 165                   | 713                                                                                   |
|                                                 |          |                                                | KAF                                                                                  | 97R57  | DRN | 71M4   | 190                   | 713                                                                                   |
| 0.77                                            | 1856     | 40000                                          | K                                                                                    | 97R57  | DRN | 80MK4  | 185                   | 713                                                                                   |
| 0.88                                            | 1625     | 40000                                          | KF                                                                                   | 97R57  | DRN | 80MK4  | 205                   | 713                                                                                   |
| 1.0                                             | 1430     | 40000                                          | KA                                                                                   | 97R57  | DRN | 80MK4  | 165                   | 713                                                                                   |
|                                                 |          |                                                | KAF                                                                                  | 97R57  | DRN | 80MK4  | 190                   | 713                                                                                   |
| 1.1                                             | 1261     | 40000                                          | K                                                                                    | 97R57  | DRN | 80M4   | 185                   | 713                                                                                   |
| 1.3                                             | 1102     | 40000                                          | KF                                                                                   | 97R57  | DRN | 80M4   | 205                   | 713                                                                                   |
| 1.5                                             | 957      | 40000                                          | KA                                                                                   | 97R57  | DRN | 80M4   | 170                   | 713                                                                                   |
|                                                 |          |                                                | KAF                                                                                  | 97R57  | DRN | 80M4   | 195                   | 713                                                                                   |
| 1.7                                             | 855      | 40000                                          | K                                                                                    | 97R57  | DRN | 90S4   | 195                   | 713                                                                                   |
| 2.0                                             | 743      | 40000                                          | KF                                                                                   | 97R57  | DRN | 90S4   | 215                   | 713                                                                                   |
|                                                 |          |                                                | KA                                                                                   | 97R57  | DRN | 90S4   | 175                   | 713                                                                                   |
|                                                 |          |                                                | KAF                                                                                  | 97R57  | DRN | 90S4   | 200                   | 713                                                                                   |
| 2.2                                             | 652      | 40000                                          | K                                                                                    | 97R57  | DRN | 90L4   | 195                   | 713                                                                                   |
| 2.5                                             | 573      | 40000                                          | KF                                                                                   | 97R57  | DRN | 90L4   | 215                   | 713                                                                                   |
| 2.9                                             | 504      | 40000                                          | KA                                                                                   | 97R57  | DRN | 90L4   | 180                   | 713                                                                                   |
|                                                 |          |                                                | KAF                                                                                  | 97R57  | DRN | 90L4   | 205                   | 713                                                                                   |
| 3.3                                             | 437      | 40000                                          | K                                                                                    | 97R57  | DRN | 100LS4 | 200                   | 713                                                                                   |
| 3.8                                             | 382      | 40000                                          | KF                                                                                   | 97R57  | DRN | 100LS4 | 220                   | 713                                                                                   |
| 4.2                                             | 342      | 40000                                          | KA                                                                                   | 97R57  | DRN | 100LS4 | 180                   | 713                                                                                   |
|                                                 |          |                                                | KAF                                                                                  | 97R57  | DRN | 100LS4 | 205                   | 713                                                                                   |
| 4.8                                             | 305      | 40000                                          | K                                                                                    | 97R57  | DRN | 100L4  | 205                   | 713                                                                                   |
| 5.7                                             | 258      | 40000                                          | KF                                                                                   | 97R57  | DRN | 100L4  | 225                   | 713                                                                                   |
|                                                 |          |                                                | KA                                                                                   | 97R57  | DRN | 100L4  | 190                   | 713                                                                                   |
|                                                 |          |                                                | KAF                                                                                  | 97R57  | DRN | 100L4  | 215                   | 713                                                                                   |
| 6.3                                             | 232      | 40000                                          | K                                                                                    | 97R57  | DRN | 112M4  | 215                   | 713                                                                                   |
| 7.3                                             | 199      | 40000                                          | KF                                                                                   | 97R57  | DRN | 112M4  | 235                   | 713                                                                                   |
|                                                 |          |                                                | KA                                                                                   | 97R57  | DRN | 112M4  | 200                   | 713                                                                                   |
|                                                 |          |                                                | KAF                                                                                  | 97R57  | DRN | 112M4  | 225                   | 713                                                                                   |
| <b>M<sub>a max</sub> = 7200 Nm</b>              |          |                                                |                                                                                      |        |     |        |                       |                                                                                       |
| <b>n<sub>a</sub></b><br><b>min<sup>-1</sup></b> | <b>i</b> | <b>F<sub>Ra</sub><sup>1)</sup></b><br><b>N</b> |  |        |     |        | <b>m</b><br><b>kg</b> |  |
| 8.4                                             | 174      | 65000                                          | K                                                                                    | 107R77 | DRN | 132M4  | 375                   | 713                                                                                   |
|                                                 |          |                                                | KF                                                                                   | 107R77 | DRN | 132M4  | 385                   | 713                                                                                   |
|                                                 |          |                                                | KA                                                                                   | 107R77 | DRN | 132M4  | 350                   | 713                                                                                   |
|                                                 |          |                                                | KAF                                                                                  | 107R77 | DRN | 132M4  | 370                   | 713                                                                                   |
| 9.5                                             | 154      | 65000                                          | K                                                                                    | 107R77 | DRN | 132L4  | 385                   | 713                                                                                   |
| 11                                              | 140      | 65000                                          | KF                                                                                   | 107R77 | DRN | 132L4  | 395                   | 713                                                                                   |
|                                                 |          |                                                | KA                                                                                   | 107R77 | DRN | 132L4  | 355                   | 713                                                                                   |
|                                                 |          |                                                | KAF                                                                                  | 107R77 | DRN | 132L4  | 380                   | 713                                                                                   |

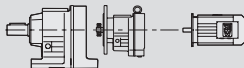
| <b>M<sub>a max</sub> = 8000 Nm</b>              |          |                                                |                                                                                    |               |            |               |                       |                                                                                     |
|-------------------------------------------------|----------|------------------------------------------------|------------------------------------------------------------------------------------|---------------|------------|---------------|-----------------------|-------------------------------------------------------------------------------------|
| <b>n<sub>a</sub></b><br><b>min<sup>-1</sup></b> | <b>i</b> | <b>F<sub>Ra</sub><sup>1)</sup></b><br><b>N</b> |  |               |            |               | <b>m</b><br><b>kg</b> |  |
| <b>0.10</b>                                     | 14311    | 65000                                          | <b>K</b>                                                                           | <b>107R77</b> | <b>DRN</b> | <b>63MS4</b>  | 310                   | 713                                                                                 |
|                                                 |          |                                                | <b>KF</b>                                                                          | <b>107R77</b> | <b>DRN</b> | <b>63MS4</b>  | 320                   | 713                                                                                 |
|                                                 |          |                                                | <b>KA</b>                                                                          | <b>107R77</b> | <b>DRN</b> | <b>63MS4</b>  | 280                   | 713                                                                                 |
|                                                 |          |                                                | <b>KAF</b>                                                                         | <b>107R77</b> | <b>DRN</b> | <b>63MS4</b>  | 305                   | 713                                                                                 |
| <b>0.11</b>                                     | 12211    | 65000                                          | <b>K</b>                                                                           | <b>107R77</b> | <b>DRN</b> | <b>63M4</b>   | 310                   | 713                                                                                 |
| <b>0.13</b>                                     | 10677    | 65000                                          | <b>KF</b>                                                                          | <b>107R77</b> | <b>DRN</b> | <b>63M4</b>   | 320                   | 713                                                                                 |
| <b>0.14</b>                                     | 9524     | 65000                                          | <b>KA</b>                                                                          | <b>107R77</b> | <b>DRN</b> | <b>63M4</b>   | 285                   | 713                                                                                 |
| <b>0.17</b>                                     | 8328     | 65000                                          | <b>KAF</b>                                                                         | <b>107R77</b> | <b>DRN</b> | <b>63M4</b>   | 305                   | 713                                                                                 |
| <b>0.19</b><br><b>0.23</b>                      | 7270     | 65000                                          | <b>K</b>                                                                           | <b>107R77</b> | <b>DRN</b> | <b>71MS4</b>  | 310                   | 713                                                                                 |
|                                                 | 6184     | 65000                                          | <b>KF</b>                                                                          | <b>107R77</b> | <b>DRN</b> | <b>71MS4</b>  | 325                   | 713                                                                                 |
|                                                 |          |                                                | <b>KA</b>                                                                          | <b>107R77</b> | <b>DRN</b> | <b>71MS4</b>  | 285                   | 713                                                                                 |
|                                                 |          |                                                | <b>KAF</b>                                                                         | <b>107R77</b> | <b>DRN</b> | <b>71MS4</b>  | 310                   | 713                                                                                 |
| <b>0.25</b>                                     | 5662     | 65000                                          | <b>K</b>                                                                           | <b>107R77</b> | <b>DRN</b> | <b>71M4</b>   | 310                   | 713                                                                                 |
| <b>0.28</b>                                     | 5138     | 65000                                          | <b>KF</b>                                                                          | <b>107R77</b> | <b>DRN</b> | <b>71M4</b>   | 325                   | 713                                                                                 |
| <b>0.32</b>                                     | 4359     | 65000                                          | <b>KA</b>                                                                          | <b>107R77</b> | <b>DRN</b> | <b>71M4</b>   | 285                   | 713                                                                                 |
| <b>0.37</b>                                     | 3810     | 65000                                          | <b>KAF</b>                                                                         | <b>107R77</b> | <b>DRN</b> | <b>71M4</b>   | 310                   | 713                                                                                 |
| <b>0.43</b><br><b>0.48</b><br><b>0.55</b>       | 3358     | 65000                                          | <b>K</b>                                                                           | <b>107R77</b> | <b>DRN</b> | <b>80MK4</b>  | 315                   | 713                                                                                 |
|                                                 | 2977     | 65000                                          | <b>KF</b>                                                                          | <b>107R77</b> | <b>DRN</b> | <b>80MK4</b>  | 325                   | 713                                                                                 |
|                                                 | 2599     | 65000                                          | <b>KA</b>                                                                          | <b>107R77</b> | <b>DRN</b> | <b>80MK4</b>  | 285                   | 713                                                                                 |
|                                                 |          |                                                | <b>KAF</b>                                                                         | <b>107R77</b> | <b>DRN</b> | <b>80MK4</b>  | 310                   | 713                                                                                 |
| <b>0.63</b><br><b>0.74</b>                      | 2286     | 65000                                          | <b>K</b>                                                                           | <b>107R77</b> | <b>DRN</b> | <b>80M4</b>   | 320                   | 713                                                                                 |
|                                                 | 1939     | 65000                                          | <b>KF</b>                                                                          | <b>107R77</b> | <b>DRN</b> | <b>80M4</b>   | 330                   | 713                                                                                 |
|                                                 |          |                                                | <b>KA</b>                                                                          | <b>107R77</b> | <b>DRN</b> | <b>80M4</b>   | 290                   | 713                                                                                 |
|                                                 |          |                                                | <b>KAF</b>                                                                         | <b>107R77</b> | <b>DRN</b> | <b>80M4</b>   | 315                   | 713                                                                                 |
| <b>0.85</b><br><b>0.94</b><br><b>1.1</b>        | 1713     | 65000                                          | <b>K</b>                                                                           | <b>107R77</b> | <b>DRN</b> | <b>90S4</b>   | 320                   | 713                                                                                 |
|                                                 | 1554     | 65000                                          | <b>KF</b>                                                                          | <b>107R77</b> | <b>DRN</b> | <b>90S4</b>   | 335                   | 713                                                                                 |
|                                                 |          | 65000                                          | <b>KA</b>                                                                          | <b>107R77</b> | <b>DRN</b> | <b>90S4</b>   | 295                   | 713                                                                                 |
|                                                 | 1336     | 65000                                          | <b>KAF</b>                                                                         | <b>107R77</b> | <b>DRN</b> | <b>90S4</b>   | 320                   | 713                                                                                 |
| <b>1.2</b><br><b>1.4</b><br><b>1.6</b>          | 1166     | 65000                                          | <b>K</b>                                                                           | <b>107R77</b> | <b>DRN</b> | <b>90L4</b>   | 325                   | 713                                                                                 |
|                                                 | 1030     | 65000                                          | <b>KF</b>                                                                          | <b>107R77</b> | <b>DRN</b> | <b>90L4</b>   | 335                   | 713                                                                                 |
|                                                 |          | 65000                                          | <b>KA</b>                                                                          | <b>107R77</b> | <b>DRN</b> | <b>90L4</b>   | 300                   | 713                                                                                 |
|                                                 | 904      | 65000                                          | <b>KAF</b>                                                                         | <b>107R77</b> | <b>DRN</b> | <b>90L4</b>   | 320                   | 713                                                                                 |
| <b>1.8</b><br><b>2.1</b><br><b>2.4</b>          | 793      | 65000                                          | <b>K</b>                                                                           | <b>107R77</b> | <b>DRN</b> | <b>100LS4</b> | 330                   | 713                                                                                 |
|                                                 | 696      | 65000                                          | <b>KF</b>                                                                          | <b>107R77</b> | <b>DRN</b> | <b>100LS4</b> | 340                   | 713                                                                                 |
|                                                 |          | 65000                                          | <b>KA</b>                                                                          | <b>107R77</b> | <b>DRN</b> | <b>100LS4</b> | 300                   | 713                                                                                 |
|                                                 | 615      | 65000                                          | <b>KAF</b>                                                                         | <b>107R77</b> | <b>DRN</b> | <b>100LS4</b> | 325                   | 713                                                                                 |
| <b>2.8</b><br><b>3.2</b>                        | 522      | 65000                                          | <b>K</b>                                                                           | <b>107R77</b> | <b>DRN</b> | <b>100L4</b>  | 335                   | 713                                                                                 |
|                                                 | 461      | 65000                                          | <b>KF</b>                                                                          | <b>107R77</b> | <b>DRN</b> | <b>100L4</b>  | 350                   | 713                                                                                 |
|                                                 |          |                                                | <b>KA</b>                                                                          | <b>107R77</b> | <b>DRN</b> | <b>100L4</b>  | 310                   | 713                                                                                 |
|                                                 |          |                                                | <b>KAF</b>                                                                         | <b>107R77</b> | <b>DRN</b> | <b>100L4</b>  | 335                   | 713                                                                                 |
| <b>3.6</b><br><b>4.0</b>                        | 408      | 65000                                          | <b>K</b>                                                                           | <b>107R77</b> | <b>DRN</b> | <b>112M4</b>  | 345                   | 713                                                                                 |
|                                                 | 364      | 65000                                          | <b>KF</b>                                                                          | <b>107R77</b> | <b>DRN</b> | <b>112M4</b>  | 360                   | 713                                                                                 |
|                                                 |          |                                                | <b>KA</b>                                                                          | <b>107R77</b> | <b>DRN</b> | <b>112M4</b>  | 320                   | 713                                                                                 |
|                                                 |          |                                                | <b>KAF</b>                                                                         | <b>107R77</b> | <b>DRN</b> | <b>112M4</b>  | 340                   | 713                                                                                 |
| <b>4.6</b><br><b>5.1</b><br><b>5.8</b>          | 318      | 65000                                          | <b>K</b>                                                                           | <b>107R77</b> | <b>DRN</b> | <b>132S4</b>  | 355                   | 713                                                                                 |
|                                                 | 286      | 65000                                          | <b>KF</b>                                                                          | <b>107R77</b> | <b>DRN</b> | <b>132S4</b>  | 370                   | 713                                                                                 |
|                                                 |          | 65000                                          | <b>KA</b>                                                                          | <b>107R77</b> | <b>DRN</b> | <b>132S4</b>  | 330                   | 713                                                                                 |
|                                                 | 251      | 65000                                          | <b>KAF</b>                                                                         | <b>107R77</b> | <b>DRN</b> | <b>132S4</b>  | 355                   | 713                                                                                 |
| <b>6.6</b><br><b>7.5</b>                        | 222      | 65000                                          | <b>K</b>                                                                           | <b>107R77</b> | <b>DRN</b> | <b>132M4</b>  | 375                   | 713                                                                                 |
|                                                 | 196      | 65000                                          | <b>KF</b>                                                                          | <b>107R77</b> | <b>DRN</b> | <b>132M4</b>  | 385                   | 713                                                                                 |
|                                                 |          |                                                | <b>KA</b>                                                                          | <b>107R77</b> | <b>DRN</b> | <b>132M4</b>  | 350                   | 713                                                                                 |
|                                                 |          |                                                | <b>KAF</b>                                                                         | <b>107R77</b> | <b>DRN</b> | <b>132M4</b>  | 370                   | 713                                                                                 |

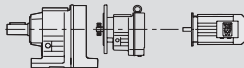
| <b>M<sub>a max</sub> = 12000 Nm</b>             |          |                                                |                                                                                      |               |            |              |                       |                                                                                       |
|-------------------------------------------------|----------|------------------------------------------------|--------------------------------------------------------------------------------------|---------------|------------|--------------|-----------------------|---------------------------------------------------------------------------------------|
| <b>n<sub>a</sub></b><br><b>min<sup>-1</sup></b> | <b>i</b> | <b>F<sub>Ra</sub><sup>1)</sup></b><br><b>N</b> |  |               |            |              | <b>m</b><br><b>kg</b> |  |
| <b>7.3</b>                                      | 200      | 79700                                          | <b>K</b>                                                                             | <b>127R87</b> | <b>DRN</b> | <b>160M4</b> | 600                   | 713                                                                                   |
|                                                 |          |                                                | <b>KF</b>                                                                            | <b>127R87</b> | <b>DRN</b> | <b>160M4</b> | 640                   | 713                                                                                   |
|                                                 |          |                                                | <b>KA</b>                                                                            | <b>127R87</b> | <b>DRN</b> | <b>160M4</b> | 570                   | 713                                                                                   |
|                                                 |          |                                                | <b>KAF</b>                                                                           | <b>127R87</b> | <b>DRN</b> | <b>160M4</b> | 610                   | 713                                                                                   |

| M <sub>a max</sub> = 12000 Nm       |     |                                    |                                                                                    |        |     |       | m<br>kg |  |
|-------------------------------------|-----|------------------------------------|------------------------------------------------------------------------------------|--------|-----|-------|---------|-------------------------------------------------------------------------------------|
| n <sub>a</sub><br>min <sup>-1</sup> | i   | F <sub>Ra</sub> <sup>1)</sup><br>N |  |        |     |       |         |                                                                                     |
| 8.9<br>10                           | 166 | 79700                              | K                                                                                  | 127R87 | DRN | 160L4 | 610     | 713                                                                                 |
|                                     |     |                                    | KF                                                                                 | 127R87 | DRN | 160L4 | 650     | 713                                                                                 |
|                                     |     |                                    | KA                                                                                 | 127R87 | DRN | 160L4 | 580     | 713                                                                                 |
|                                     |     |                                    | KAF                                                                                | 127R87 | DRN | 160L4 | 620     | 713                                                                                 |

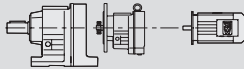
| M <sub>a max</sub> = 13000 Nm       |       |                                    |                                                                                    |        |     |        | m<br>kg |  |
|-------------------------------------|-------|------------------------------------|------------------------------------------------------------------------------------|--------|-----|--------|---------|-------------------------------------------------------------------------------------|
| n <sub>a</sub><br>min <sup>-1</sup> | i     | F <sub>Ra</sub> <sup>1)</sup><br>N |  |        |     |        |         |                                                                                     |
| 0.08<br>0.09<br>0.09                | 17550 | 79200                              | K                                                                                  | 127R77 | DRN | 63M4   | 470     | 713                                                                                 |
|                                     | 16006 | 79200                              | KF                                                                                 | 127R77 | DRN | 63M4   | 510     | 713                                                                                 |
|                                     |       |                                    | KA                                                                                 | 127R77 | DRN | 63M4   | 445     | 713                                                                                 |
|                                     | 14975 | 79200                              | KAF                                                                                | 127R77 | DRN | 63M4   | 480     | 713                                                                                 |
| 0.11<br>0.13<br>0.14                | 12440 | 79200                              | K                                                                                  | 127R77 | DRN | 71MS4  | 470     | 713                                                                                 |
|                                     | 10915 | 79200                              | KF                                                                                 | 127R77 | DRN | 71MS4  | 510     | 713                                                                                 |
|                                     |       |                                    | KA                                                                                 | 127R77 | DRN | 71MS4  | 445     | 713                                                                                 |
|                                     | 9819  | 79200                              | KAF                                                                                | 127R77 | DRN | 71MS4  | 480     | 713                                                                                 |
| 0.17<br>0.19<br>0.22                | 8443  | 79200                              | K                                                                                  | 127R77 | DRN | 71M4   | 475     | 713                                                                                 |
|                                     | 7482  | 79200                              | KF                                                                                 | 127R77 | DRN | 71M4   | 510     | 713                                                                                 |
|                                     |       |                                    | KA                                                                                 | 127R77 | DRN | 71M4   | 445     | 713                                                                                 |
|                                     | 6565  | 79200                              | KAF                                                                                | 127R77 | DRN | 71M4   | 480     | 713                                                                                 |
| 0.25<br>0.29<br>0.32                | 5804  | 79200                              | K                                                                                  | 127R77 | DRN | 80MK4  | 475     | 713                                                                                 |
|                                     | 5027  | 79200                              | KF                                                                                 | 127R77 | DRN | 80MK4  | 520     | 713                                                                                 |
|                                     |       |                                    | KA                                                                                 | 127R77 | DRN | 80MK4  | 445     | 713                                                                                 |
|                                     | 4423  | 79200                              | KAF                                                                                | 127R77 | DRN | 80MK4  | 485     | 713                                                                                 |
| 0.37<br>0.43<br>0.48                | 3889  | 79200                              | K                                                                                  | 127R77 | DRN | 80M4   | 480     | 713                                                                                 |
|                                     | 3311  | 79200                              | KF                                                                                 | 127R77 | DRN | 80M4   | 520     | 713                                                                                 |
|                                     |       |                                    | KA                                                                                 | 127R77 | DRN | 80M4   | 450     | 713                                                                                 |
|                                     | 3009  | 79200                              | KAF                                                                                | 127R77 | DRN | 80M4   | 490     | 713                                                                                 |
| 0.56<br>0.64                        | 2607  | 79200                              | K                                                                                  | 127R77 | DRN | 90S4   | 485     | 713                                                                                 |
|                                     |       |                                    | KF                                                                                 | 127R77 | DRN | 90S4   | 530     | 713                                                                                 |
|                                     |       |                                    | KA                                                                                 | 127R77 | DRN | 90S4   | 455     | 713                                                                                 |
|                                     | 2268  | 79200                              | KAF                                                                                | 127R77 | DRN | 90S4   | 495     | 713                                                                                 |
| 0.76<br>0.83<br>0.95                | 1926  | 79200                              | K                                                                                  | 127R77 | DRN | 90L4   | 485     | 713                                                                                 |
|                                     | 1757  | 79200                              | KF                                                                                 | 127R77 | DRN | 90L4   | 530     | 713                                                                                 |
|                                     |       |                                    | KA                                                                                 | 127R77 | DRN | 90L4   | 455     | 713                                                                                 |
|                                     | 1541  | 79200                              | KAF                                                                                | 127R77 | DRN | 90L4   | 495     | 713                                                                                 |
| 1.1<br>1.2<br>1.4                   | 1342  | 79200                              | K                                                                                  | 127R77 | DRN | 100LS4 | 490     | 713                                                                                 |
|                                     | 1177  | 79200                              | KF                                                                                 | 127R77 | DRN | 100LS4 | 530     | 713                                                                                 |
|                                     |       |                                    | KA                                                                                 | 127R77 | DRN | 100LS4 | 460     | 713                                                                                 |
|                                     | 1025  | 79200                              | KAF                                                                                | 127R77 | DRN | 100LS4 | 500     | 713                                                                                 |
| 1.6<br>1.8                          | 899   | 79200                              | K                                                                                  | 127R77 | DRN | 100L4  | 495     | 713                                                                                 |
|                                     |       |                                    | KF                                                                                 | 127R77 | DRN | 100L4  | 540     | 713                                                                                 |
|                                     |       |                                    | KA                                                                                 | 127R77 | DRN | 100L4  | 470     | 713                                                                                 |
|                                     | 790   | 79200                              | KAF                                                                                | 127R77 | DRN | 100L4  | 510     | 713                                                                                 |
| 2.1<br>2.4<br>2.7                   | 704   | 79200                              | K                                                                                  | 127R77 | DRN | 112M4  | 510     | 713                                                                                 |
|                                     | 610   | 79200                              | KF                                                                                 | 127R77 | DRN | 112M4  | 550     | 713                                                                                 |
|                                     |       |                                    | KA                                                                                 | 127R77 | DRN | 112M4  | 480     | 713                                                                                 |
|                                     | 549   | 79200                              | KAF                                                                                | 127R77 | DRN | 112M4  | 520     | 713                                                                                 |
| 3.1<br>3.5                          | 477   | 79200                              | K                                                                                  | 127R77 | DRN | 132S4  | 520     | 713                                                                                 |
|                                     |       |                                    | KF                                                                                 | 127R77 | DRN | 132S4  | 560     | 713                                                                                 |
|                                     |       |                                    | KA                                                                                 | 127R77 | DRN | 132S4  | 490     | 713                                                                                 |
|                                     | 418   | 79200                              | KAF                                                                                | 127R77 | DRN | 132S4  | 530     | 713                                                                                 |
| 2.7<br>3.1<br>3.5                   | 536   | 79200                              | K                                                                                  | 127R87 | DRN | 132S4  | 540     | 713                                                                                 |
|                                     | 473   | 79200                              | KF                                                                                 | 127R87 | DRN | 132S4  | 580     | 713                                                                                 |
|                                     |       |                                    | KA                                                                                 | 127R87 | DRN | 132S4  | 510     | 713                                                                                 |
|                                     | 418   | 79200                              | KAF                                                                                | 127R87 | DRN | 132S4  | 550     | 713                                                                                 |
| 4.0<br>4.4                          | 367   | 79200                              | K                                                                                  | 127R87 | DRN | 132M4  | 560     | 713                                                                                 |
|                                     |       |                                    | KF                                                                                 | 127R87 | DRN | 132M4  | 600     | 713                                                                                 |
|                                     |       |                                    | KA                                                                                 | 127R87 | DRN | 132M4  | 530     | 713                                                                                 |
|                                     | 330   | 79200                              | KAF                                                                                | 127R87 | DRN | 132M4  | 560     | 713                                                                                 |

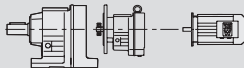
| <b>M<sub>a max</sub> = 13000 Nm</b>             |            |                                                |                                                                                    |               |            |              |                       |                                                                                     |
|-------------------------------------------------|------------|------------------------------------------------|------------------------------------------------------------------------------------|---------------|------------|--------------|-----------------------|-------------------------------------------------------------------------------------|
| <b>n<sub>a</sub></b><br><b>min<sup>-1</sup></b> | <b>i</b>   | <b>F<sub>Ra</sub><sup>1)</sup></b><br><b>N</b> |  |               |            |              | <b>m</b><br><b>kg</b> |  |
| <b>5.1</b><br><b>5.8</b>                        | 287<br>253 | 79200<br>79200                                 | <b>K</b>                                                                           | <b>127R87</b> | <b>DRN</b> | <b>132L4</b> | 560                   | 713                                                                                 |
|                                                 |            |                                                | <b>KF</b>                                                                          | <b>127R87</b> | <b>DRN</b> | <b>132L4</b> | 610                   | 713                                                                                 |
|                                                 |            |                                                | <b>KA</b>                                                                          | <b>127R87</b> | <b>DRN</b> | <b>132L4</b> | 540                   | 713                                                                                 |
|                                                 |            |                                                | <b>KAF</b>                                                                         | <b>127R87</b> | <b>DRN</b> | <b>132L4</b> | 570                   | 713                                                                                 |
| <b>6.9</b>                                      | 213        | 79200                                          | <b>K</b>                                                                           | <b>127R87</b> | <b>DRN</b> | <b>160M4</b> | 600                   | 713                                                                                 |
|                                                 |            |                                                | <b>KF</b>                                                                          | <b>127R87</b> | <b>DRN</b> | <b>160M4</b> | 640                   | 713                                                                                 |
|                                                 |            |                                                | <b>KA</b>                                                                          | <b>127R87</b> | <b>DRN</b> | <b>160M4</b> | 570                   | 713                                                                                 |
|                                                 |            |                                                | <b>KAF</b>                                                                         | <b>127R87</b> | <b>DRN</b> | <b>160M4</b> | 610                   | 713                                                                                 |

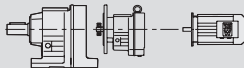
| <b>M<sub>a max</sub> = 20000 Nm</b>                                     |                                           |                                                |                                                                                    |               |            |               |                       |                                                                                     |
|-------------------------------------------------------------------------|-------------------------------------------|------------------------------------------------|------------------------------------------------------------------------------------|---------------|------------|---------------|-----------------------|-------------------------------------------------------------------------------------|
| <b>n<sub>a</sub></b><br><b>min<sup>-1</sup></b>                         | <b>i</b>                                  | <b>F<sub>Ra</sub><sup>1)</sup></b><br><b>N</b> |  |               |            |               | <b>m</b><br><b>kg</b> |  |
| <b>0.08</b>                                                             | 17679                                     | 111100                                         | <b>K</b>                                                                           | <b>157R97</b> | <b>DRN</b> | <b>71MS4</b>  | 790                   | 713                                                                                 |
|                                                                         |                                           |                                                | <b>KF</b>                                                                          | <b>157R97</b> | <b>DRN</b> | <b>71MS4</b>  | 870                   | 713                                                                                 |
|                                                                         |                                           |                                                | <b>KA</b>                                                                          | <b>157R97</b> | <b>DRN</b> | <b>71MS4</b>  | 750                   | 713                                                                                 |
|                                                                         |                                           |                                                | <b>KAF</b>                                                                         | <b>157R97</b> | <b>DRN</b> | <b>71MS4</b>  | 810                   | 713                                                                                 |
| <b>0.09</b><br><b>0.10</b><br><b>0.11</b><br><b>0.12</b><br><b>0.14</b> | 15729<br>14721<br>13097<br>11368<br>10114 | 111100<br>111100<br>111100<br>111100<br>111100 | <b>K</b>                                                                           | <b>157R97</b> | <b>DRN</b> | <b>71M4</b>   | 790                   | 713                                                                                 |
|                                                                         |                                           |                                                | <b>KF</b>                                                                          | <b>157R97</b> | <b>DRN</b> | <b>71M4</b>   | 870                   | 713                                                                                 |
|                                                                         |                                           |                                                | <b>KA</b>                                                                          | <b>157R97</b> | <b>DRN</b> | <b>71M4</b>   | 750                   | 713                                                                                 |
|                                                                         |                                           |                                                | <b>KAF</b>                                                                         | <b>157R97</b> | <b>DRN</b> | <b>71M4</b>   | 810                   | 713                                                                                 |
|                                                                         |                                           |                                                |                                                                                    |               |            |               |                       |                                                                                     |
| <b>0.16</b><br><b>0.19</b><br><b>0.21</b>                               | 8718<br>7734<br>6881                      | 111100<br>111100<br>111100                     | <b>K</b>                                                                           | <b>157R97</b> | <b>DRN</b> | <b>80MK4</b>  | 790                   | 713                                                                                 |
|                                                                         |                                           |                                                | <b>KF</b>                                                                          | <b>157R97</b> | <b>DRN</b> | <b>80MK4</b>  | 870                   | 713                                                                                 |
|                                                                         |                                           |                                                | <b>KA</b>                                                                          | <b>157R97</b> | <b>DRN</b> | <b>80MK4</b>  | 750                   | 713                                                                                 |
|                                                                         |                                           |                                                | <b>KAF</b>                                                                         | <b>157R97</b> | <b>DRN</b> | <b>80MK4</b>  | 810                   | 713                                                                                 |
| <b>0.24</b><br><b>0.28</b>                                              | 5931<br>5074                              | 111100<br>111100                               | <b>K</b>                                                                           | <b>157R97</b> | <b>DRN</b> | <b>80M4</b>   | 800                   | 713                                                                                 |
|                                                                         |                                           |                                                | <b>KF</b>                                                                          | <b>157R97</b> | <b>DRN</b> | <b>80M4</b>   | 870                   | 713                                                                                 |
|                                                                         |                                           |                                                | <b>KA</b>                                                                          | <b>157R97</b> | <b>DRN</b> | <b>80M4</b>   | 760                   | 713                                                                                 |
|                                                                         |                                           |                                                | <b>KAF</b>                                                                         | <b>157R97</b> | <b>DRN</b> | <b>80M4</b>   | 820                   | 713                                                                                 |
| <b>0.32</b><br><b>0.37</b><br><b>0.41</b>                               | 4514<br>3979<br>3516                      | 111100<br>111100<br>111100                     | <b>K</b>                                                                           | <b>157R97</b> | <b>DRN</b> | <b>90S4</b>   | 800                   | 713                                                                                 |
|                                                                         |                                           |                                                | <b>KF</b>                                                                          | <b>157R97</b> | <b>DRN</b> | <b>90S4</b>   | 880                   | 713                                                                                 |
|                                                                         |                                           |                                                | <b>KA</b>                                                                          | <b>157R97</b> | <b>DRN</b> | <b>90S4</b>   | 760                   | 713                                                                                 |
|                                                                         |                                           |                                                | <b>KAF</b>                                                                         | <b>157R97</b> | <b>DRN</b> | <b>90S4</b>   | 820                   | 713                                                                                 |
| <b>0.48</b><br><b>0.56</b>                                              | 3051<br>2610                              | 111100<br>111100                               | <b>K</b>                                                                           | <b>157R97</b> | <b>DRN</b> | <b>90L4</b>   | 800                   | 713                                                                                 |
|                                                                         |                                           |                                                | <b>KF</b>                                                                          | <b>157R97</b> | <b>DRN</b> | <b>90L4</b>   | 880                   | 713                                                                                 |
|                                                                         |                                           |                                                | <b>KA</b>                                                                          | <b>157R97</b> | <b>DRN</b> | <b>90L4</b>   | 770                   | 713                                                                                 |
|                                                                         |                                           |                                                | <b>KAF</b>                                                                         | <b>157R97</b> | <b>DRN</b> | <b>90L4</b>   | 830                   | 713                                                                                 |
| <b>0.62</b><br><b>0.71</b><br><b>0.80</b>                               | 2322<br>2029<br>1805                      | 111100<br>111100<br>111100                     | <b>K</b>                                                                           | <b>157R97</b> | <b>DRN</b> | <b>100LS4</b> | 810                   | 713                                                                                 |
|                                                                         |                                           |                                                | <b>KF</b>                                                                          | <b>157R97</b> | <b>DRN</b> | <b>100LS4</b> | 890                   | 713                                                                                 |
|                                                                         |                                           |                                                | <b>KA</b>                                                                          | <b>157R97</b> | <b>DRN</b> | <b>100LS4</b> | 770                   | 713                                                                                 |
|                                                                         |                                           |                                                | <b>KAF</b>                                                                         | <b>157R97</b> | <b>DRN</b> | <b>100LS4</b> | 830                   | 713                                                                                 |
| <b>0.87</b>                                                             | 1659                                      | 111100                                         | <b>K</b>                                                                           | <b>157R97</b> | <b>DRN</b> | <b>100LS4</b> | 800                   | 713                                                                                 |
|                                                                         |                                           |                                                | <b>KF</b>                                                                          | <b>157R97</b> | <b>DRN</b> | <b>100LS4</b> | 880                   | 713                                                                                 |
|                                                                         |                                           |                                                | <b>KA</b>                                                                          | <b>157R97</b> | <b>DRN</b> | <b>100LS4</b> | 770                   | 713                                                                                 |
|                                                                         |                                           |                                                | <b>KAF</b>                                                                         | <b>157R97</b> | <b>DRN</b> | <b>100LS4</b> | 830                   | 713                                                                                 |
| <b>1.1</b><br><b>1.2</b>                                                | 1365<br>1229                              | 111100<br>111100                               | <b>K</b>                                                                           | <b>157R97</b> | <b>DRN</b> | <b>100L4</b>  | 810                   | 713                                                                                 |
|                                                                         |                                           |                                                | <b>KF</b>                                                                          | <b>157R97</b> | <b>DRN</b> | <b>100L4</b>  | 890                   | 713                                                                                 |
|                                                                         |                                           |                                                | <b>KA</b>                                                                          | <b>157R97</b> | <b>DRN</b> | <b>100L4</b>  | 780                   | 713                                                                                 |
|                                                                         |                                           |                                                | <b>KAF</b>                                                                         | <b>157R97</b> | <b>DRN</b> | <b>100L4</b>  | 830                   | 713                                                                                 |
| <b>1.3</b><br><b>1.6</b><br><b>1.7</b>                                  | 1093<br>942<br>854                        | 111100<br>111100<br>111100                     | <b>K</b>                                                                           | <b>157R97</b> | <b>DRN</b> | <b>112M4</b>  | 820                   | 713                                                                                 |
|                                                                         |                                           |                                                | <b>KF</b>                                                                          | <b>157R97</b> | <b>DRN</b> | <b>112M4</b>  | 900                   | 713                                                                                 |
|                                                                         |                                           |                                                | <b>KA</b>                                                                          | <b>157R97</b> | <b>DRN</b> | <b>112M4</b>  | 780                   | 713                                                                                 |
|                                                                         |                                           |                                                | <b>KAF</b>                                                                         | <b>157R97</b> | <b>DRN</b> | <b>112M4</b>  | 840                   | 713                                                                                 |
| <b>1.9</b><br><b>2.2</b>                                                | 756<br>661                                | 111100<br>111100                               | <b>K</b>                                                                           | <b>157R97</b> | <b>DRN</b> | <b>132S4</b>  | 830                   | 713                                                                                 |
|                                                                         |                                           |                                                | <b>KF</b>                                                                          | <b>157R97</b> | <b>DRN</b> | <b>132S4</b>  | 910                   | 713                                                                                 |
|                                                                         |                                           |                                                | <b>KA</b>                                                                          | <b>157R97</b> | <b>DRN</b> | <b>132S4</b>  | 800                   | 713                                                                                 |
|                                                                         |                                           |                                                | <b>KAF</b>                                                                         | <b>157R97</b> | <b>DRN</b> | <b>132S4</b>  | 850                   | 713                                                                                 |
| <b>2.6</b><br><b>2.9</b>                                                | 567<br>504                                | 111100<br>111100                               | <b>K</b>                                                                           | <b>157R97</b> | <b>DRN</b> | <b>132M4</b>  | 850                   | 713                                                                                 |
|                                                                         |                                           |                                                | <b>KF</b>                                                                          | <b>157R97</b> | <b>DRN</b> | <b>132M4</b>  | 930                   | 713                                                                                 |
|                                                                         |                                           |                                                | <b>KA</b>                                                                          | <b>157R97</b> | <b>DRN</b> | <b>132M4</b>  | 810                   | 713                                                                                 |
|                                                                         |                                           |                                                | <b>KAF</b>                                                                         | <b>157R97</b> | <b>DRN</b> | <b>132M4</b>  | 870                   | 713                                                                                 |

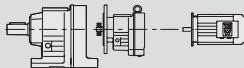
| <b>M<sub>a max</sub> = 20000 Nm</b>             |                   |                                                |                                                                                    |                |            |              |                       |                                                                                     |
|-------------------------------------------------|-------------------|------------------------------------------------|------------------------------------------------------------------------------------|----------------|------------|--------------|-----------------------|-------------------------------------------------------------------------------------|
| <b>n<sub>a</sub></b><br><b>min<sup>-1</sup></b> | <b>i</b>          | <b>F<sub>Ra</sub><sup>1)</sup></b><br><b>N</b> |  |                |            |              | <b>m</b><br><b>kg</b> |  |
| <b>3.4</b><br><b>3.9</b>                        | 434<br>379        | 111100<br>111100                               | <b>K</b>                                                                           | <b>157R97</b>  | <b>DRN</b> | <b>132L4</b> | 860                   | 713                                                                                 |
|                                                 |                   |                                                | <b>KF</b>                                                                          | <b>157R97</b>  | <b>DRN</b> | <b>132L4</b> | 940                   | 713                                                                                 |
|                                                 |                   |                                                | <b>KA</b>                                                                          | <b>157R97</b>  | <b>DRN</b> | <b>132L4</b> | 820                   | 713                                                                                 |
|                                                 |                   |                                                | <b>KAF</b>                                                                         | <b>157R97</b>  | <b>DRN</b> | <b>132L4</b> | 880                   | 713                                                                                 |
| <b>4.4</b>                                      | 333               | 111100                                         | <b>K</b>                                                                           | <b>157R97</b>  | <b>DRN</b> | <b>160M4</b> | 890                   | 713                                                                                 |
|                                                 |                   |                                                | <b>KF</b>                                                                          | <b>157R97</b>  | <b>DRN</b> | <b>160M4</b> | 970                   | 713                                                                                 |
|                                                 |                   |                                                | <b>KA</b>                                                                          | <b>157R97</b>  | <b>DRN</b> | <b>160M4</b> | 850                   | 713                                                                                 |
|                                                 |                   |                                                | <b>KAF</b>                                                                         | <b>157R97</b>  | <b>DRN</b> | <b>160M4</b> | 910                   | 713                                                                                 |
| <b>5.1</b>                                      | 291               | 111100                                         | <b>K</b>                                                                           | <b>157R97</b>  | <b>DRN</b> | <b>160L4</b> | 910                   | 713                                                                                 |
|                                                 |                   |                                                | <b>KF</b>                                                                          | <b>157R97</b>  | <b>DRN</b> | <b>160L4</b> | 990                   | 713                                                                                 |
|                                                 |                   |                                                | <b>KA</b>                                                                          | <b>157R97</b>  | <b>DRN</b> | <b>160L4</b> | 870                   | 713                                                                                 |
|                                                 |                   |                                                | <b>KAF</b>                                                                         | <b>157R97</b>  | <b>DRN</b> | <b>160L4</b> | 930                   | 713                                                                                 |
| <b>3.8</b>                                      | 385               | 111100                                         | <b>K</b>                                                                           | <b>157R107</b> | <b>DRN</b> | <b>132L4</b> | 910                   | 713                                                                                 |
|                                                 |                   |                                                | <b>KF</b>                                                                          | <b>157R107</b> | <b>DRN</b> | <b>132L4</b> | 980                   | 713                                                                                 |
|                                                 |                   |                                                | <b>KA</b>                                                                          | <b>157R107</b> | <b>DRN</b> | <b>132L4</b> | 870                   | 713                                                                                 |
|                                                 |                   |                                                | <b>KAF</b>                                                                         | <b>157R107</b> | <b>DRN</b> | <b>132L4</b> | 930                   | 713                                                                                 |
| <b>4.5</b>                                      | 325               | 111100                                         | <b>K</b>                                                                           | <b>157R107</b> | <b>DRN</b> | <b>160M4</b> | 940                   | 713                                                                                 |
|                                                 |                   |                                                | <b>KF</b>                                                                          | <b>157R107</b> | <b>DRN</b> | <b>160M4</b> | 1020                  | 713                                                                                 |
|                                                 |                   |                                                | <b>KA</b>                                                                          | <b>157R107</b> | <b>DRN</b> | <b>160M4</b> | 900                   | 713                                                                                 |
|                                                 |                   |                                                | <b>KAF</b>                                                                         | <b>157R107</b> | <b>DRN</b> | <b>160M4</b> | 960                   | 713                                                                                 |
| <b>4.9</b><br><b>5.8</b><br><b>6.4</b>          | 299<br>253<br>230 | 111100<br>111100<br>111100                     | <b>K</b>                                                                           | <b>157R107</b> | <b>DRN</b> | <b>160L4</b> | 950                   | 713                                                                                 |
|                                                 |                   |                                                | <b>KF</b>                                                                          | <b>157R107</b> | <b>DRN</b> | <b>160L4</b> | 1030                  | 713                                                                                 |
|                                                 |                   |                                                | <b>KA</b>                                                                          | <b>157R107</b> | <b>DRN</b> | <b>160L4</b> | 920                   | 713                                                                                 |
|                                                 |                   |                                                | <b>KAF</b>                                                                         | <b>157R107</b> | <b>DRN</b> | <b>160L4</b> | 980                   | 713                                                                                 |
| <b>6.9</b><br><b>7.9</b>                        | 213<br>187        | 111100<br>111100                               | <b>K</b>                                                                           | <b>157R107</b> | <b>DRN</b> | <b>180M4</b> | 980                   | 713                                                                                 |
|                                                 |                   |                                                | <b>KF</b>                                                                          | <b>157R107</b> | <b>DRN</b> | <b>180M4</b> | 1050                  | 713                                                                                 |
|                                                 |                   |                                                | <b>KA</b>                                                                          | <b>157R107</b> | <b>DRN</b> | <b>180M4</b> | 940                   | 713                                                                                 |
|                                                 |                   |                                                | <b>KAF</b>                                                                         | <b>157R107</b> | <b>DRN</b> | <b>180M4</b> | 1000                  | 713                                                                                 |
| <b>9.4</b>                                      | 157               | 111000                                         | <b>K</b>                                                                           | <b>157R107</b> | <b>DRN</b> | <b>180L4</b> | 990                   | 713                                                                                 |
|                                                 |                   |                                                | <b>KF</b>                                                                          | <b>157R107</b> | <b>DRN</b> | <b>180L4</b> | 1070                  | 713                                                                                 |
|                                                 |                   |                                                | <b>KA</b>                                                                          | <b>157R107</b> | <b>DRN</b> | <b>180L4</b> | 950                   | 713                                                                                 |
|                                                 |                   |                                                | <b>KAF</b>                                                                         | <b>157R107</b> | <b>DRN</b> | <b>180L4</b> | 1010                  | 713                                                                                 |
| <b>12</b>                                       | 122               | 99700                                          | <b>K</b>                                                                           | <b>157R107</b> | <b>DRN</b> | <b>200L4</b> | 1100                  | 713                                                                                 |
|                                                 |                   |                                                | <b>KF</b>                                                                          | <b>157R107</b> | <b>DRN</b> | <b>200L4</b> | 1180                  | 713                                                                                 |
|                                                 |                   |                                                | <b>KA</b>                                                                          | <b>157R107</b> | <b>DRN</b> | <b>200L4</b> | 1060                  | 713                                                                                 |
|                                                 |                   |                                                | <b>KAF</b>                                                                         | <b>157R107</b> | <b>DRN</b> | <b>200L4</b> | 1120                  | 713                                                                                 |
| <b>14</b>                                       | 107               | 94000                                          | <b>K</b>                                                                           | <b>157R107</b> | <b>DRN</b> | <b>225S4</b> | 1130                  | 713                                                                                 |
|                                                 |                   |                                                | <b>KF</b>                                                                          | <b>157R107</b> | <b>DRN</b> | <b>225S4</b> | 1210                  | 713                                                                                 |
|                                                 |                   |                                                | <b>KA</b>                                                                          | <b>157R107</b> | <b>DRN</b> | <b>225S4</b> | 1090                  | 713                                                                                 |
|                                                 |                   |                                                | <b>KAF</b>                                                                         | <b>157R107</b> | <b>DRN</b> | <b>225S4</b> | 1150                  | 713                                                                                 |

| <b>M<sub>a max</sub> = 35000 Nm</b>                      |                                  |                                                |                                                                                      |               |            |               |                       |                                                                                       |
|----------------------------------------------------------|----------------------------------|------------------------------------------------|--------------------------------------------------------------------------------------|---------------|------------|---------------|-----------------------|---------------------------------------------------------------------------------------|
| <b>n<sub>a</sub></b><br><b>min<sup>-1</sup></b>          | <b>i</b>                         | <b>F<sub>Ra</sub><sup>1)</sup></b><br><b>N</b> |  |               |            |               | <b>m</b><br><b>kg</b> |  |
| <b>0.07</b>                                              | 19723                            | 150000                                         | <b>K</b>                                                                             | <b>167R97</b> | <b>DRN</b> | <b>71M4</b>   | 1180                  | 713                                                                                   |
|                                                          |                                  |                                                | <b>KH</b>                                                                            | <b>167R97</b> | <b>DRN</b> | <b>71M4</b>   | 1150                  | 713                                                                                   |
| <b>0.08</b><br><b>0.10</b><br><b>0.11</b><br><b>0.12</b> | 17406<br>15000<br>13238<br>11573 | 150000<br>150000<br>150000<br>150000           | <b>K</b>                                                                             | <b>167R97</b> | <b>DRN</b> | <b>80MK4</b>  | 1190                  | 713                                                                                   |
|                                                          |                                  |                                                | <b>KH</b>                                                                            | <b>167R97</b> | <b>DRN</b> | <b>80MK4</b>  | 1150                  | 713                                                                                   |
|                                                          |                                  |                                                | <b>K</b>                                                                             | <b>167R97</b> | <b>DRN</b> | <b>80M4</b>   | 1190                  | 713                                                                                   |
|                                                          |                                  |                                                | <b>KH</b>                                                                            | <b>167R97</b> | <b>DRN</b> | <b>80M4</b>   | 1150                  | 713                                                                                   |
| <b>0.22</b>                                              | 6562                             | 150000                                         | <b>K</b>                                                                             | <b>167R97</b> | <b>DRN</b> | <b>90S4</b>   | 1190                  | 713                                                                                   |
|                                                          |                                  |                                                | <b>KH</b>                                                                            | <b>167R97</b> | <b>DRN</b> | <b>90S4</b>   | 1160                  | 713                                                                                   |
| <b>0.27</b><br><b>0.31</b><br><b>0.36</b>                | 5355<br>4788<br>4079             | 150000<br>150000<br>150000                     | <b>K</b>                                                                             | <b>167R97</b> | <b>DRN</b> | <b>90L4</b>   | 1200                  | 713                                                                                   |
|                                                          |                                  |                                                | <b>KH</b>                                                                            | <b>167R97</b> | <b>DRN</b> | <b>90L4</b>   | 1160                  | 713                                                                                   |
|                                                          |                                  |                                                | <b>K</b>                                                                             | <b>167R97</b> | <b>DRN</b> | <b>100LS4</b> | 1200                  | 713                                                                                   |
| <b>0.43</b><br><b>0.53</b>                               | 3376<br>2755                     | 150000<br>150000                               | <b>KH</b>                                                                            | <b>167R97</b> | <b>DRN</b> | <b>100LS4</b> | 1160                  | 713                                                                                   |
|                                                          |                                  |                                                | <b>K</b>                                                                             | <b>167R97</b> | <b>DRN</b> | <b>100L4</b>  | 1210                  | 713                                                                                   |
| <b>0.64</b>                                              | 2263                             | 150000                                         | <b>KH</b>                                                                            | <b>167R97</b> | <b>DRN</b> | <b>100L4</b>  | 1170                  | 713                                                                                   |
|                                                          |                                  |                                                | <b>K</b>                                                                             | <b>167R97</b> | <b>DRN</b> | <b>100L4</b>  | 1170                  | 713                                                                                   |

| <b>M<sub>a max</sub> = 35000 Nm</b>       |          |                                          |                                                                                    |                |            |              |                 |                                                                                     |
|-------------------------------------------|----------|------------------------------------------|------------------------------------------------------------------------------------|----------------|------------|--------------|-----------------|-------------------------------------------------------------------------------------|
| <b>n<sub>a</sub><br/>min<sup>-1</sup></b> | <b>i</b> | <b>F<sub>Ra</sub><sup>1)</sup><br/>N</b> |  |                |            |              | <b>m<br/>kg</b> |  |
| <b>0.67</b>                               | 2182     | 150000                                   | <b>K</b>                                                                           | <b>167R97</b>  | <b>DRN</b> | <b>100L4</b> | 1210            | 713                                                                                 |
|                                           |          |                                          | <b>KH</b>                                                                          | <b>167R97</b>  | <b>DRN</b> | <b>100L4</b> | 1170            | 713                                                                                 |
| <b>0.86</b>                               | 1704     | 150000                                   | <b>K</b>                                                                           | <b>167R97</b>  | <b>DRN</b> | <b>112M4</b> | 1210            | 713                                                                                 |
|                                           |          |                                          | <b>KH</b>                                                                          | <b>167R97</b>  | <b>DRN</b> | <b>112M4</b> | 1180            | 713                                                                                 |
| <b>1.0</b>                                | 1408     | 150000                                   | <b>K</b>                                                                           | <b>167R97</b>  | <b>DRN</b> | <b>132S4</b> | 1230            | 713                                                                                 |
| <b>1.1</b>                                | 1296     | 150000                                   | <b>KH</b>                                                                          | <b>167R97</b>  | <b>DRN</b> | <b>132S4</b> | 1190            | 713                                                                                 |
| <b>1.3</b>                                | 1101     | 150000                                   |                                                                                    |                |            |              |                 |                                                                                     |
| <b>1.6</b>                                | 944      | 150000                                   | <b>K</b>                                                                           | <b>167R97</b>  | <b>DRN</b> | <b>132M4</b> | 1240            | 713                                                                                 |
| <b>1.7</b>                                | 843      | 150000                                   | <b>KH</b>                                                                          | <b>167R97</b>  | <b>DRN</b> | <b>132M4</b> | 1210            | 713                                                                                 |
| <b>1.9</b>                                | 757      | 150000                                   | <b>K</b>                                                                           | <b>167R97</b>  | <b>DRN</b> | <b>132L4</b> | 1250            | 713                                                                                 |
|                                           |          |                                          | <b>KH</b>                                                                          | <b>167R97</b>  | <b>DRN</b> | <b>132L4</b> | 1210            | 713                                                                                 |
| <b>2.3</b>                                | 632      | 150000                                   | <b>K</b>                                                                           | <b>167R97</b>  | <b>DRN</b> | <b>160M4</b> | 1280            | 713                                                                                 |
|                                           |          |                                          | <b>KH</b>                                                                          | <b>167R97</b>  | <b>DRN</b> | <b>160M4</b> | 1250            | 713                                                                                 |
| <b>2.6</b>                                | 561      | 150000                                   |                                                                                    |                |            |              |                 |                                                                                     |
|                                           |          |                                          |                                                                                    |                |            |              |                 |                                                                                     |
| <b>3.1</b>                                | 481      | 150000                                   | <b>K</b>                                                                           | <b>167R97</b>  | <b>DRN</b> | <b>160L4</b> | 1300            | 713                                                                                 |
|                                           |          |                                          | <b>KH</b>                                                                          | <b>167R97</b>  | <b>DRN</b> | <b>160L4</b> | 1260            | 713                                                                                 |
| <b>3.5</b>                                | 423      | 150000                                   |                                                                                    |                |            |              |                 |                                                                                     |
|                                           |          |                                          |                                                                                    |                |            |              |                 |                                                                                     |
| <b>4.0</b>                                | 369      | 150000                                   | <b>K</b>                                                                           | <b>167R97</b>  | <b>DRN</b> | <b>180M4</b> | 1320            | 713                                                                                 |
|                                           |          |                                          | <b>KH</b>                                                                          | <b>167R97</b>  | <b>DRN</b> | <b>180M4</b> | 1280            | 713                                                                                 |
| <b>4.7</b>                                | 318      | 150000                                   | <b>K</b>                                                                           | <b>167R107</b> | <b>DRN</b> | <b>180M4</b> | 1370            | 713                                                                                 |
|                                           |          |                                          | <b>KH</b>                                                                          | <b>167R107</b> | <b>DRN</b> | <b>180M4</b> | 1330            | 713                                                                                 |
| <b>5.3</b>                                | 278      | 150000                                   | <b>K</b>                                                                           | <b>167R107</b> | <b>DRN</b> | <b>180L4</b> | 1380            | 713                                                                                 |
|                                           |          |                                          | <b>KH</b>                                                                          | <b>167R107</b> | <b>DRN</b> | <b>180L4</b> | 1350            | 713                                                                                 |
| <b>6.1</b>                                | 244      | 150000                                   | <b>K</b>                                                                           | <b>167R107</b> | <b>DRN</b> | <b>200L4</b> | 1490            | 713                                                                                 |
|                                           |          |                                          | <b>KH</b>                                                                          | <b>167R107</b> | <b>DRN</b> | <b>200L4</b> | 1460            | 713                                                                                 |
| <b>6.9</b>                                | 213      | 150000                                   |                                                                                    |                |            |              |                 |                                                                                     |
|                                           |          |                                          |                                                                                    |                |            |              |                 |                                                                                     |
| <b>7.2</b>                                | 206      | 150000                                   |                                                                                    |                |            |              |                 |                                                                                     |
|                                           |          |                                          |                                                                                    |                |            |              |                 |                                                                                     |
| <b>8.2</b>                                | 180      | 150000                                   | <b>K</b>                                                                           | <b>167R107</b> | <b>DRN</b> | <b>225S4</b> | 1530            | 713                                                                                 |
|                                           |          |                                          | <b>KH</b>                                                                          | <b>167R107</b> | <b>DRN</b> | <b>225S4</b> | 1490            | 713                                                                                 |
| <b>9.3</b>                                | 160      | 150000                                   |                                                                                    |                |            |              |                 |                                                                                     |
|                                           |          |                                          |                                                                                    |                |            |              |                 |                                                                                     |
| <b>11</b>                                 | 135      | 150000                                   | <b>K</b>                                                                           | <b>167R107</b> | <b>DRN</b> | <b>225M4</b> | 1530            | 713                                                                                 |
|                                           |          |                                          | <b>KH</b>                                                                          | <b>167R107</b> | <b>DRN</b> | <b>225M4</b> | 1490            | 713                                                                                 |

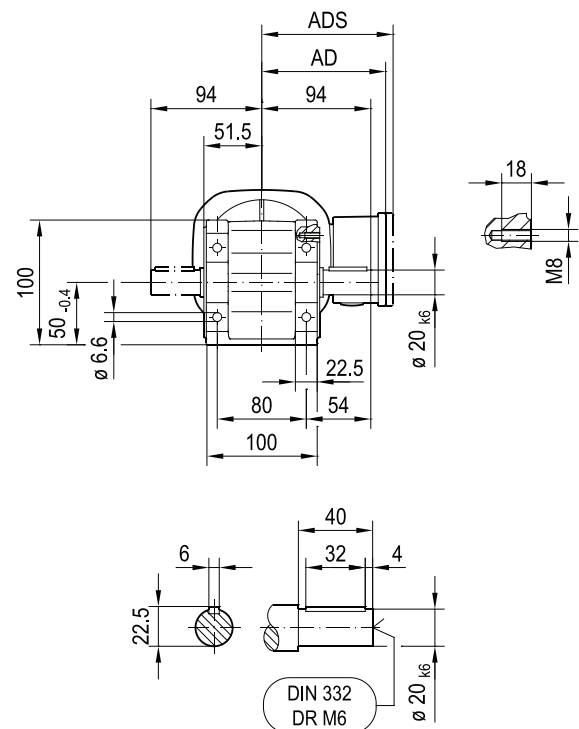
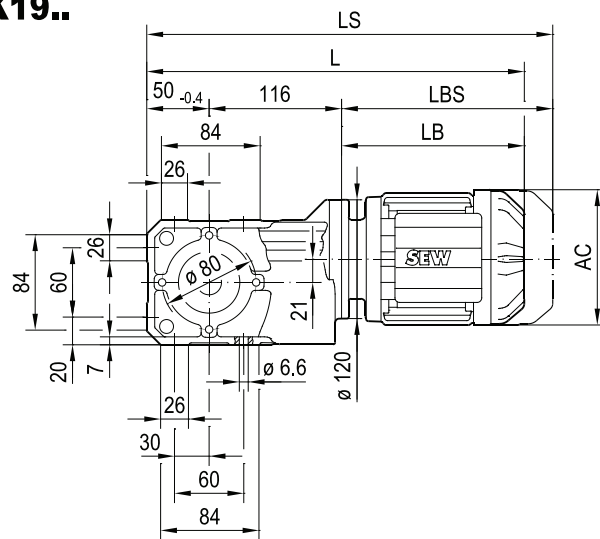
| <b>M<sub>a max</sub> = 53000 Nm</b>       |          |                                          |                                                                                      |               |            |               |                 |                                                                                       |
|-------------------------------------------|----------|------------------------------------------|--------------------------------------------------------------------------------------|---------------|------------|---------------|-----------------|---------------------------------------------------------------------------------------|
| <b>n<sub>a</sub><br/>min<sup>-1</sup></b> | <b>i</b> | <b>F<sub>Ra</sub><sup>1)</sup><br/>N</b> |  |               |            |               | <b>m<br/>kg</b> |  |
| <b>0.04</b>                               | 32625    | 190000                                   | <b>K</b>                                                                             | <b>187R97</b> | <b>DRN</b> | <b>71M4</b>   | 1770            | 713                                                                                   |
|                                           |          |                                          | <b>KH</b>                                                                            | <b>187R97</b> | <b>DRN</b> | <b>71M4</b>   | 1700            | 713                                                                                   |
| <b>0.05</b>                               | 27165    | 190000                                   |                                                                                      |               |            |               |                 |                                                                                       |
|                                           |          |                                          |                                                                                      |               |            |               |                 |                                                                                       |
| <b>0.06</b>                               | 24353    | 190000                                   | <b>K</b>                                                                             | <b>187R97</b> | <b>DRN</b> | <b>80MK4</b>  | 1770            | 713                                                                                   |
|                                           |          |                                          | <b>KH</b>                                                                            | <b>187R97</b> | <b>DRN</b> | <b>80MK4</b>  | 1700            | 713                                                                                   |
| <b>0.07</b>                               | 19144    | 190000                                   |                                                                                      |               |            |               |                 |                                                                                       |
|                                           |          |                                          |                                                                                      |               |            |               |                 |                                                                                       |
| <b>0.08</b>                               | 16978    | 190000                                   | <b>K</b>                                                                             | <b>187R97</b> | <b>DRN</b> | <b>80M4</b>   | 1770            | 713                                                                                   |
|                                           |          |                                          | <b>KH</b>                                                                            | <b>187R97</b> | <b>DRN</b> | <b>80M4</b>   | 1700            | 713                                                                                   |
| <b>0.10</b>                               | 14272    | 190000                                   |                                                                                      |               |            |               |                 |                                                                                       |
|                                           |          |                                          |                                                                                      |               |            |               |                 |                                                                                       |
| <b>0.11</b>                               | 13116    | 190000                                   |                                                                                      |               |            |               |                 |                                                                                       |
|                                           |          |                                          |                                                                                      |               |            |               |                 |                                                                                       |
| <b>0.12</b>                               | 11647    | 190000                                   | <b>K</b>                                                                             | <b>187R97</b> | <b>DRN</b> | <b>90S4</b>   | 1780            | 713                                                                                   |
|                                           |          |                                          | <b>KH</b>                                                                            | <b>187R97</b> | <b>DRN</b> | <b>90S4</b>   | 1710            | 713                                                                                   |
| <b>0.14</b>                               | 10413    | 190000                                   |                                                                                      |               |            |               |                 |                                                                                       |
|                                           |          |                                          |                                                                                      |               |            |               |                 |                                                                                       |
| <b>0.16</b>                               | 9363     | 190000                                   |                                                                                      |               |            |               |                 |                                                                                       |
|                                           |          |                                          |                                                                                      |               |            |               |                 |                                                                                       |
| <b>0.18</b>                               | 8126     | 190000                                   | <b>K</b>                                                                             | <b>187R97</b> | <b>DRN</b> | <b>90L4</b>   | 1780            | 713                                                                                   |
|                                           |          |                                          | <b>KH</b>                                                                            | <b>187R97</b> | <b>DRN</b> | <b>90L4</b>   | 1710            | 713                                                                                   |
| <b>0.20</b>                               | 7343     | 190000                                   |                                                                                      |               |            |               |                 |                                                                                       |
|                                           |          |                                          |                                                                                      |               |            |               |                 |                                                                                       |
| <b>0.22</b>                               | 6747     | 190000                                   |                                                                                      |               |            |               |                 |                                                                                       |
|                                           |          |                                          |                                                                                      |               |            |               |                 |                                                                                       |
| <b>0.24</b>                               | 5991     | 190000                                   | <b>K</b>                                                                             | <b>187R97</b> | <b>DRN</b> | <b>100LS4</b> | 1780            | 713                                                                                   |
|                                           |          |                                          | <b>KH</b>                                                                            | <b>187R97</b> | <b>DRN</b> | <b>100LS4</b> | 1720            | 713                                                                                   |
| <b>0.27</b>                               | 5358     | 190000                                   |                                                                                      |               |            |               |                 |                                                                                       |
|                                           |          |                                          |                                                                                      |               |            |               |                 |                                                                                       |
| <b>0.30</b>                               | 4817     | 190000                                   |                                                                                      |               |            |               |                 |                                                                                       |
|                                           |          |                                          |                                                                                      |               |            |               |                 |                                                                                       |
| <b>0.33</b>                               | 4370     | 190000                                   |                                                                                      |               |            |               |                 |                                                                                       |
|                                           |          |                                          |                                                                                      |               |            |               |                 |                                                                                       |
| <b>0.52</b>                               | 2818     | 190000                                   | <b>K</b>                                                                             | <b>187R97</b> | <b>DRN</b> | <b>112M4</b>  | 1800            | 713                                                                                   |
|                                           |          |                                          | <b>KH</b>                                                                            | <b>187R97</b> | <b>DRN</b> | <b>112M4</b>  | 1730            | 713                                                                                   |
| <b>0.40</b>                               | 3609     | 190000                                   | <b>K</b>                                                                             | <b>187R97</b> | <b>DRN</b> | <b>100L4</b>  | 1790            | 713                                                                                   |
|                                           |          |                                          | <b>KH</b>                                                                            | <b>187R97</b> | <b>DRN</b> | <b>100L4</b>  | 1720            | 713                                                                                   |
| <b>0.48</b>                               | 3062     | 190000                                   |                                                                                      |               |            |               |                 |                                                                                       |
|                                           |          |                                          |                                                                                      |               |            |               |                 |                                                                                       |
| <b>0.58</b>                               | 2519     | 190000                                   | <b>K</b>                                                                             | <b>187R97</b> | <b>DRN</b> | <b>112M4</b>  | 1800            | 713                                                                                   |
|                                           |          |                                          | <b>KH</b>                                                                            | <b>187R97</b> | <b>DRN</b> | <b>112M4</b>  | 1730            | 713                                                                                   |
| <b>0.65</b>                               | 2268     | 190000                                   |                                                                                      |               |            |               |                 |                                                                                       |
|                                           |          |                                          |                                                                                      |               |            |               |                 |                                                                                       |
| <b>0.71</b>                               | 2054     | 190000                                   | <b>K</b>                                                                             | <b>187R97</b> | <b>DRN</b> | <b>132S4</b>  | 1810            | 713                                                                                   |
|                                           |          |                                          | <b>KH</b>                                                                            | <b>187R97</b> | <b>DRN</b> | <b>132S4</b>  | 1740            | 713                                                                                   |
| <b>0.80</b>                               | 1821     | 190000                                   |                                                                                      |               |            |               |                 |                                                                                       |
|                                           |          |                                          |                                                                                      |               |            |               |                 |                                                                                       |
| <b>0.91</b>                               | 1605     | 190000                                   | <b>K</b>                                                                             | <b>187R97</b> | <b>DRN</b> | <b>132M4</b>  | 1830            | 713                                                                                   |
|                                           |          |                                          | <b>KH</b>                                                                            | <b>187R97</b> | <b>DRN</b> | <b>132M4</b>  | 1760            | 713                                                                                   |
| <b>1.1</b>                                | 1395     | 190000                                   |                                                                                      |               |            |               |                 |                                                                                       |
|                                           |          |                                          |                                                                                      |               |            |               |                 |                                                                                       |
| <b>1.2</b>                                | 1196     | 190000                                   |                                                                                      |               |            |               |                 |                                                                                       |
|                                           |          |                                          |                                                                                      |               |            |               |                 |                                                                                       |

| <b>M<sub>a max</sub> = 53000 Nm</b>       |          |                                          |                                                                                    |                |            |              |                 |                                                                                     |
|-------------------------------------------|----------|------------------------------------------|------------------------------------------------------------------------------------|----------------|------------|--------------|-----------------|-------------------------------------------------------------------------------------|
| <b>n<sub>a</sub><br/>min<sup>-1</sup></b> | <b>i</b> | <b>F<sub>Ra</sub><sup>1)</sup><br/>N</b> |  |                |            |              | <b>m<br/>kg</b> |  |
| <b>1.4</b>                                | 1046     | 190000                                   | <b>K</b>                                                                           | <b>187R97</b>  | <b>DRN</b> | <b>132L4</b> | 1830            | 713                                                                                 |
|                                           |          |                                          | <b>KH</b>                                                                          | <b>187R97</b>  | <b>DRN</b> | <b>132L4</b> | 1770            | 713                                                                                 |
| <b>1.6</b>                                | 945      | 190000                                   | <b>K</b>                                                                           | <b>187R97</b>  | <b>DRN</b> | <b>160M4</b> | 1870            | 713                                                                                 |
|                                           |          |                                          | <b>KH</b>                                                                          | <b>187R97</b>  | <b>DRN</b> | <b>160M4</b> | 1800            | 713                                                                                 |
| <b>2.0</b>                                | 738      | 190000                                   | <b>K</b>                                                                           | <b>187R97</b>  | <b>DRN</b> | <b>160L4</b> | 1880            | 713                                                                                 |
|                                           |          |                                          | <b>KH</b>                                                                          | <b>187R97</b>  | <b>DRN</b> | <b>160L4</b> | 1820            | 713                                                                                 |
| <b>2.8</b>                                | 527      | 190000                                   | <b>K</b>                                                                           | <b>187R97</b>  | <b>DRN</b> | <b>180M4</b> | 1900            | 713                                                                                 |
|                                           |          |                                          | <b>KH</b>                                                                          | <b>187R97</b>  | <b>DRN</b> | <b>180M4</b> | 1840            | 713                                                                                 |
| <b>1.8</b>                                | 835      | 190000                                   | <b>K</b>                                                                           | <b>187R107</b> | <b>DRN</b> | <b>160M4</b> | 1910            | 713                                                                                 |
|                                           |          |                                          | <b>KH</b>                                                                          | <b>187R107</b> | <b>DRN</b> | <b>160M4</b> | 1850            | 713                                                                                 |
| <b>2.0</b>                                | 729      | 190000                                   | <b>K</b>                                                                           | <b>187R107</b> | <b>DRN</b> | <b>160L4</b> | 1930            | 713                                                                                 |
|                                           |          |                                          | <b>KH</b>                                                                          | <b>187R107</b> | <b>DRN</b> | <b>160L4</b> | 1860            | 713                                                                                 |
| <b>2.8</b>                                | 520      | 190000                                   | <b>K</b>                                                                           | <b>187R107</b> | <b>DRN</b> | <b>180M4</b> | 1950            | 713                                                                                 |
|                                           |          |                                          | <b>KH</b>                                                                          | <b>187R107</b> | <b>DRN</b> | <b>180M4</b> | 1880            | 713                                                                                 |
| <b>3.2</b>                                | 454      | 190000                                   | <b>K</b>                                                                           | <b>187R107</b> | <b>DRN</b> | <b>180L4</b> | 1970            | 713                                                                                 |
|                                           |          |                                          | <b>KH</b>                                                                          | <b>187R107</b> | <b>DRN</b> | <b>180L4</b> | 1900            | 713                                                                                 |
| <b>4.2</b>                                | 355      | 190000                                   | <b>K</b>                                                                           | <b>187R107</b> | <b>DRN</b> | <b>200L4</b> | 2080            | 713                                                                                 |
|                                           |          |                                          | <b>KH</b>                                                                          | <b>187R107</b> | <b>DRN</b> | <b>200L4</b> | 2010            | 713                                                                                 |
| <b>5.7</b>                                | 261      | 190000                                   | <b>K</b>                                                                           | <b>187R107</b> | <b>DRN</b> | <b>225S4</b> | 2110            | 713                                                                                 |
|                                           |          |                                          | <b>KH</b>                                                                          | <b>187R107</b> | <b>DRN</b> | <b>225S4</b> | 2040            | 713                                                                                 |
| <b>6.7</b>                                | 221      | 190000                                   | <b>K</b>                                                                           | <b>187R107</b> | <b>DRN</b> | <b>225M4</b> | 2110            | 713                                                                                 |
|                                           |          |                                          | <b>KH</b>                                                                          | <b>187R107</b> | <b>DRN</b> | <b>225M4</b> | 2040            | 713                                                                                 |

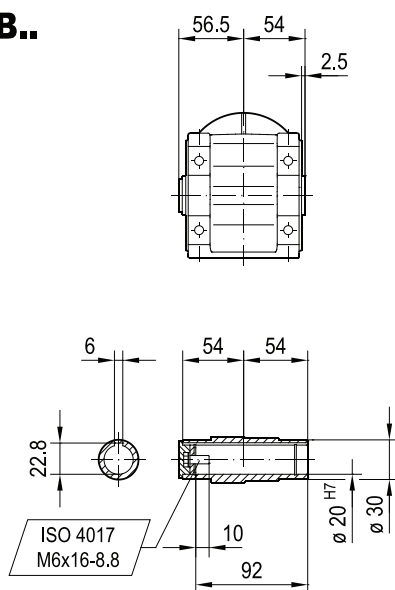
10.5 Feuilles de cotes K..DRN.. en mm

33 008 01 15

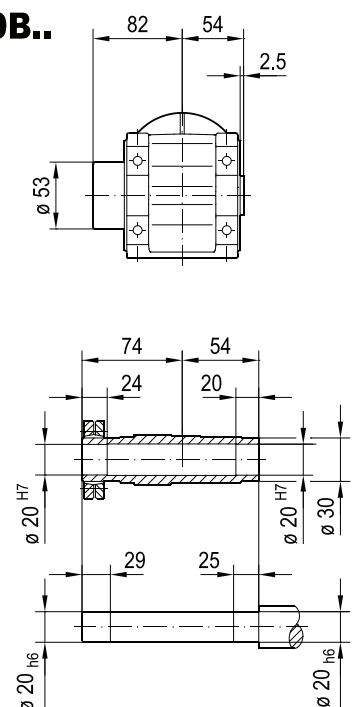
K19..



KA19B..

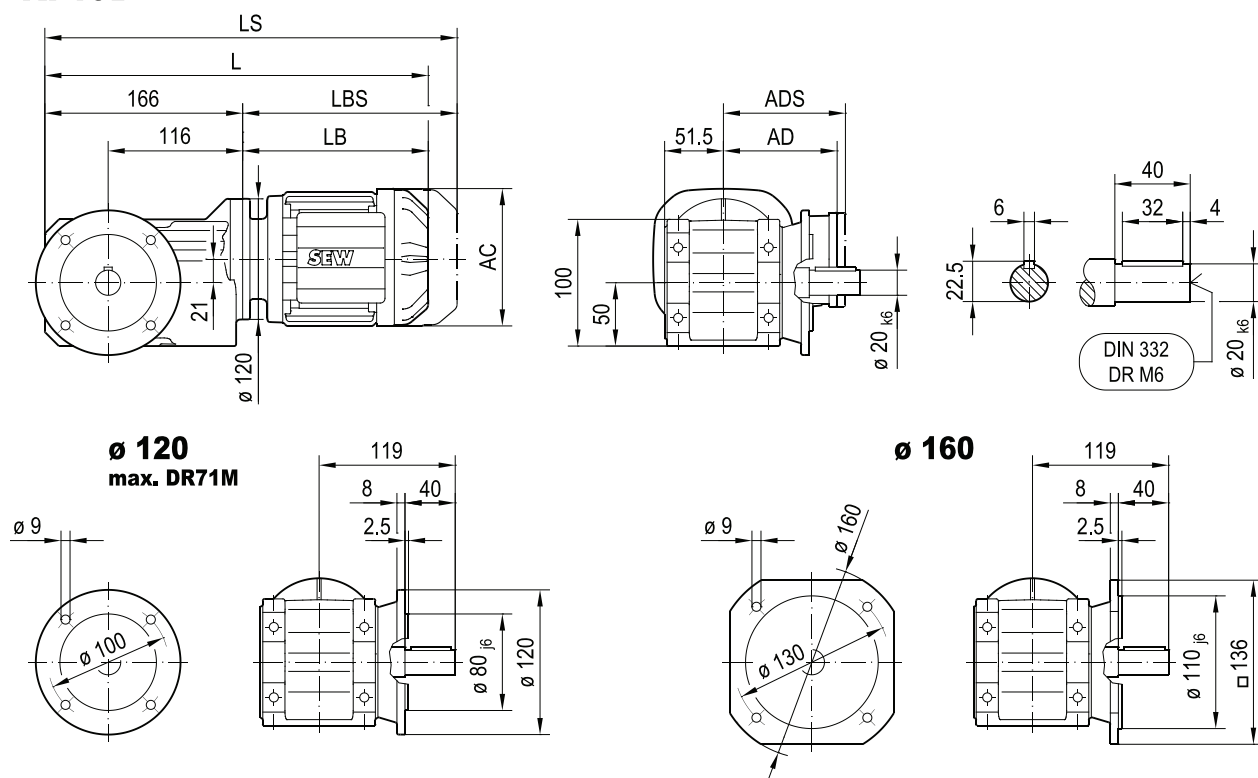
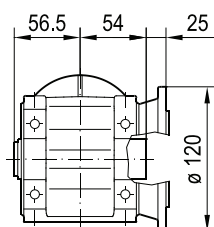
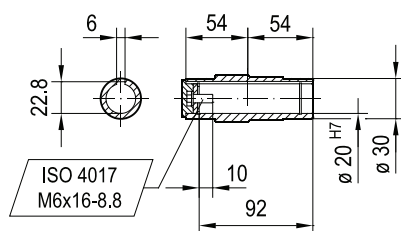
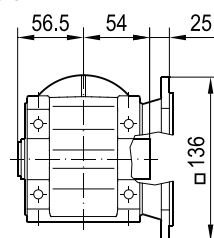


KH19B..



| (→ 7.3) | DRN  |     |      |     |      |     |     |  |
|---------|------|-----|------|-----|------|-----|-----|--|
|         | 63MS | 63M | 71MS | 71M | 80MK | 80M | 90S |  |
| AC      | 115  | 115 | 139  | 139 | 156  | 156 | 179 |  |
| AD      | 98   | 98  | 118  | 118 | 128  | 128 | 140 |  |
| ADS     | 98   | 98  | 129  | 129 | 139  | 139 | 150 |  |
| L       | 356  | 370 | 372  | 392 | 403  | 448 | 449 |  |
| LS      | 412  | 426 | 439  | 459 | 484  | 529 | 543 |  |
| LB      | 190  | 204 | 206  | 226 | 237  | 282 | 283 |  |
| LBS     | 246  | 260 | 273  | 293 | 318  | 363 | 377 |  |

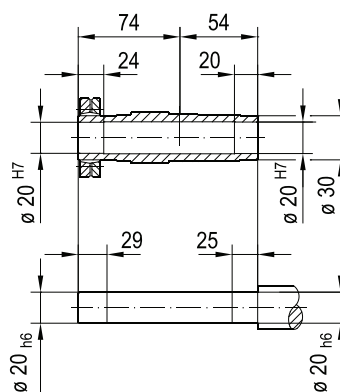
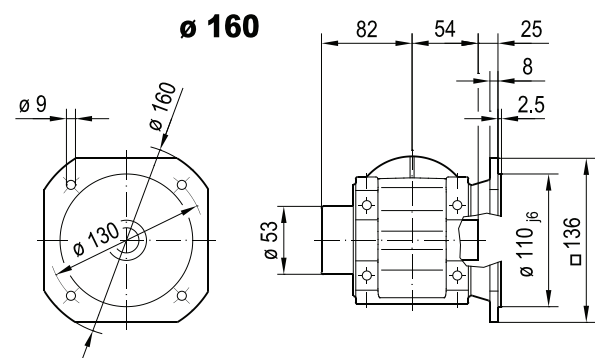
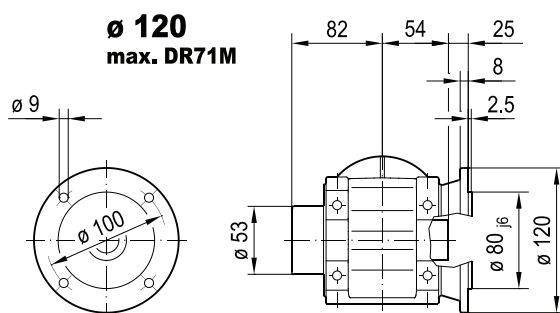
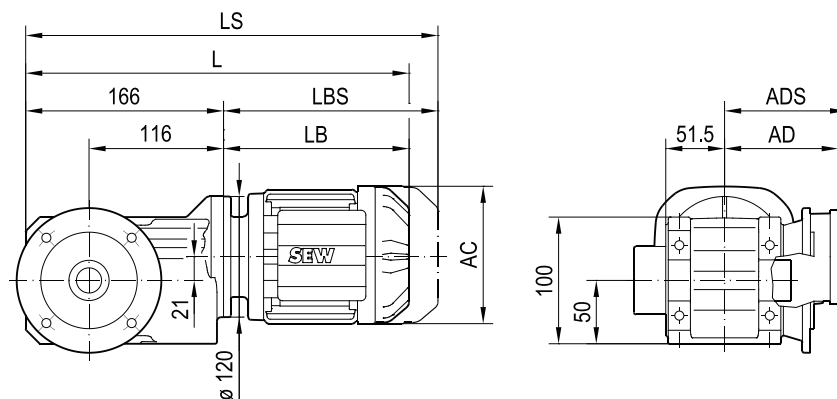
33 009 00 15

**KF19B..****KAF19B..** **$\varnothing 120$   
max. DR71M** **$\varnothing 160$** 

| ( $\rightarrow$ 7.3) | DRN  |     |      |     |      |     |     |
|----------------------|------|-----|------|-----|------|-----|-----|
|                      | 63MS | 63M | 71MS | 71M | 80MK | 80M | 90S |
| AC                   | 115  | 115 | 139  | 139 | 156  | 156 | 179 |
| AD                   | 98   | 98  | 118  | 118 | 128  | 128 | 140 |
| ADS                  | 98   | 98  | 129  | 129 | 139  | 139 | 150 |
| L                    | 356  | 370 | 372  | 392 | 403  | 448 | 449 |
| LS                   | 412  | 426 | 439  | 459 | 484  | 529 | 543 |
| LB                   | 190  | 204 | 206  | 226 | 237  | 282 | 283 |
| LBS                  | 246  | 260 | 273  | 293 | 318  | 363 | 377 |

33 010 01 15

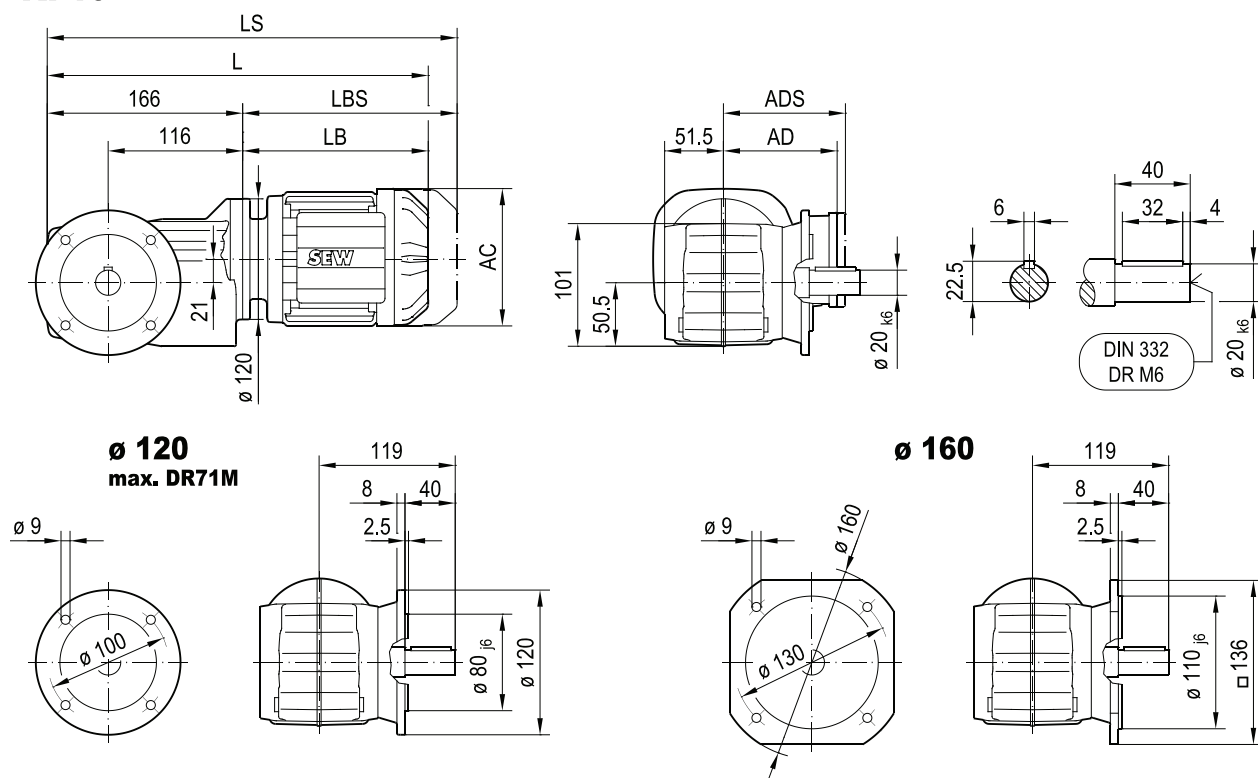
**KHF19B..**



| (→ 7.3) | DRN  |     |      |     |      |     |     |  |
|---------|------|-----|------|-----|------|-----|-----|--|
|         | 63MS | 63M | 71MS | 71M | 80MK | 80M | 90S |  |
| AC      | 115  | 115 | 139  | 139 | 156  | 156 | 179 |  |
| AD      | 98   | 98  | 118  | 118 | 128  | 128 | 140 |  |
| ADS     | 98   | 98  | 129  | 129 | 139  | 139 | 150 |  |
| L       | 356  | 370 | 372  | 392 | 403  | 448 | 449 |  |
| LS      | 412  | 426 | 439  | 459 | 484  | 529 | 543 |  |
| LB      | 190  | 204 | 206  | 226 | 237  | 282 | 283 |  |
| LBS     | 246  | 260 | 273  | 293 | 318  | 363 | 377 |  |

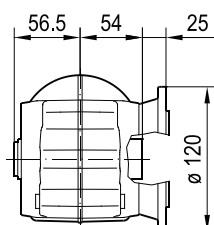
33 011 00 15

## KF19..

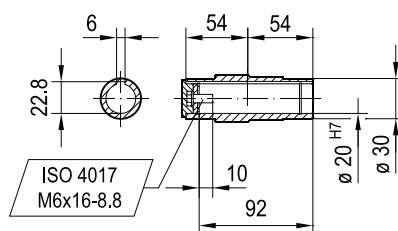
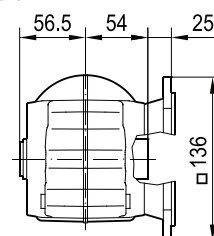


## KAF19..

ø 120  
max. DR71M



ø 160

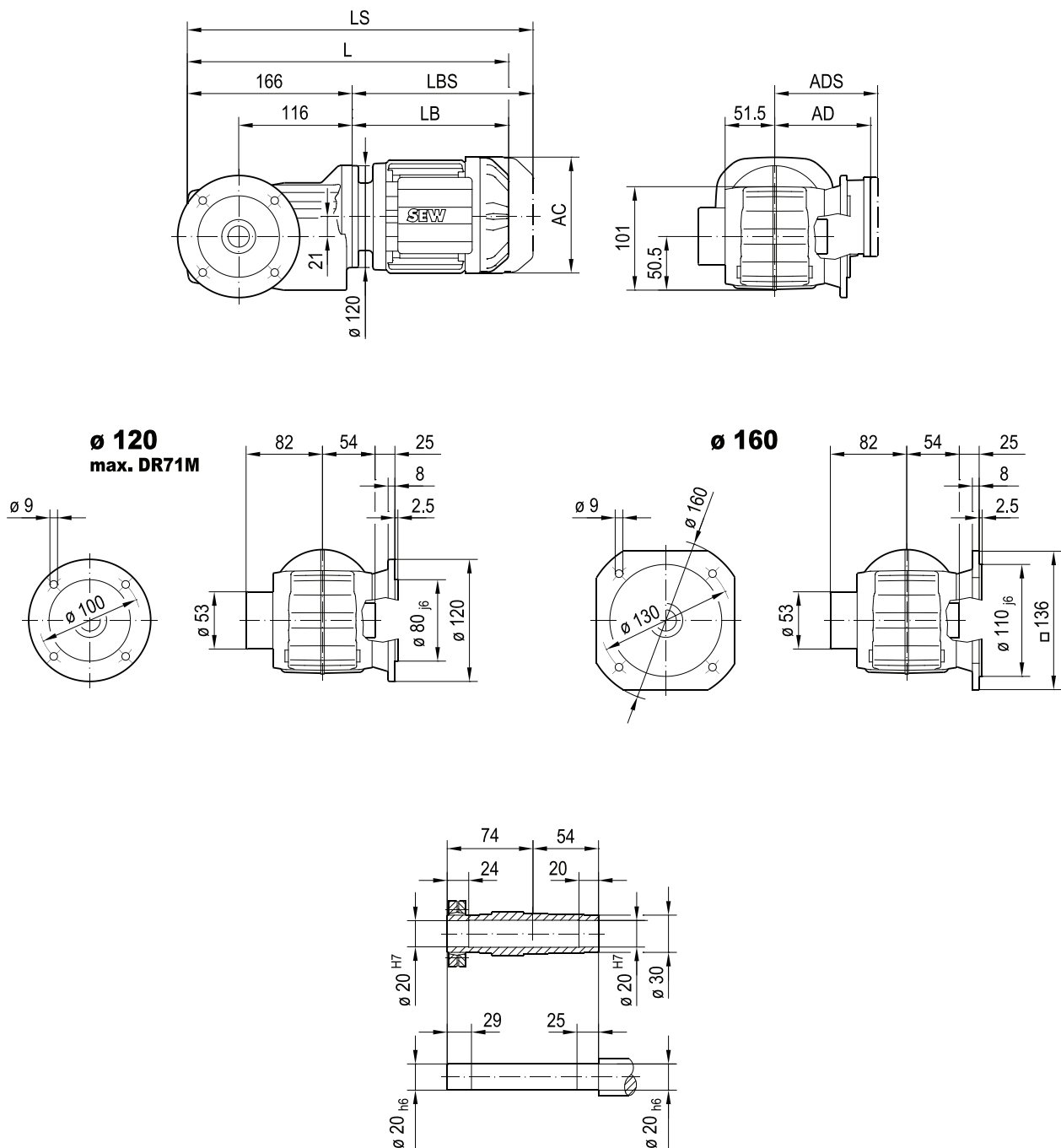


| (→ 7.3) | DRN  |     |      |     |      |     |     |
|---------|------|-----|------|-----|------|-----|-----|
|         | 63MS | 63M | 71MS | 71M | 80MK | 80M | 90S |
| AC      | 115  | 115 | 139  | 139 | 156  | 156 | 179 |
| AD      | 98   | 98  | 118  | 118 | 128  | 128 | 140 |
| ADS     | 98   | 98  | 129  | 129 | 139  | 139 | 150 |
| L       | 356  | 370 | 372  | 392 | 403  | 448 | 449 |
| LS      | 412  | 426 | 439  | 459 | 484  | 529 | 543 |
| LB      | 190  | 204 | 206  | 226 | 237  | 282 | 283 |
| LBS     | 246  | 260 | 273  | 293 | 318  | 363 | 377 |

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KHF19..

33 013 01 15

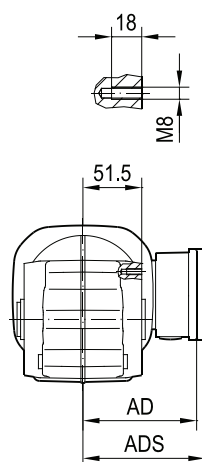
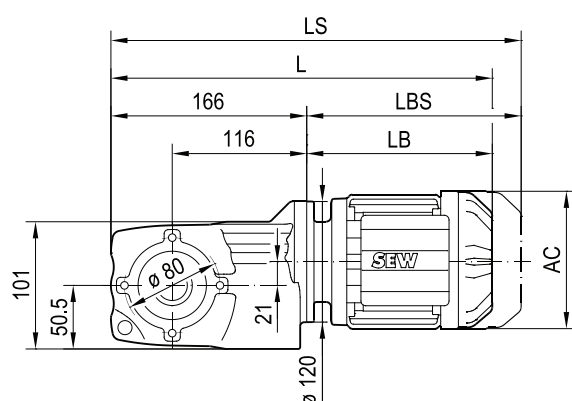


10

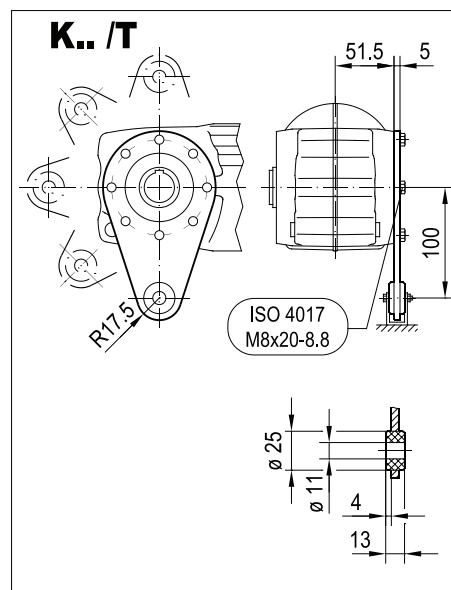
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| (→ 7.3) | DRN  |     |      |     |      |     |     |  |
|---------|------|-----|------|-----|------|-----|-----|--|
|         | 63MS | 63M | 71MS | 71M | 80MK | 80M | 90S |  |
| AC      | 115  | 115 | 139  | 139 | 156  | 156 | 179 |  |
| AD      | 98   | 98  | 118  | 118 | 128  | 128 | 140 |  |
| ADS     | 98   | 98  | 129  | 129 | 139  | 139 | 150 |  |
| L       | 356  | 370 | 372  | 392 | 403  | 448 | 449 |  |
| LS      | 412  | 426 | 439  | 459 | 484  | 529 | 543 |  |
| LB      | 190  | 204 | 206  | 226 | 237  | 282 | 283 |  |
| LBS     | 246  | 260 | 273  | 293 | 318  | 363 | 377 |  |

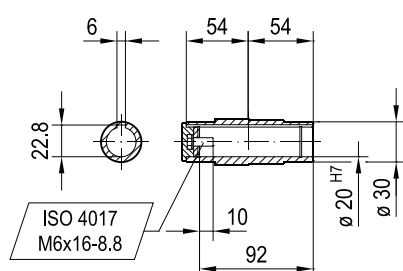
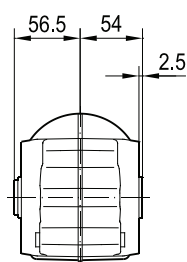
## KA19..



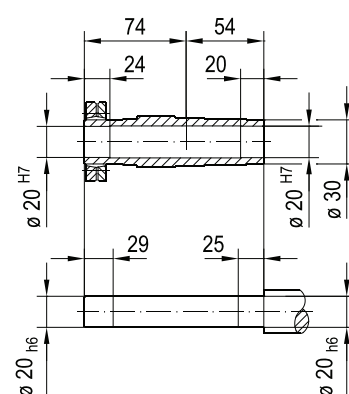
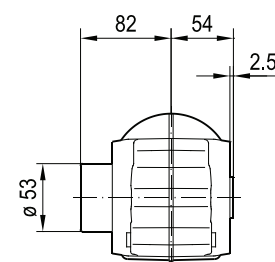
33 014 01 15



## KA19..



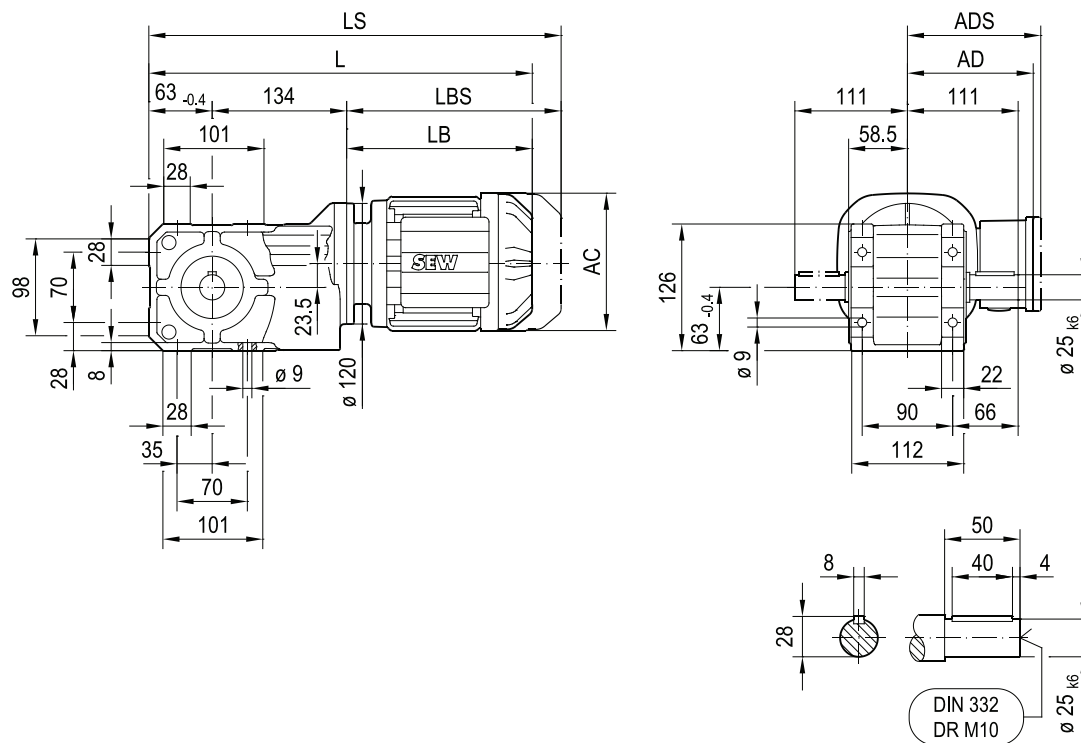
## KH19..



| ( $\rightarrow$ 7.3) | DRN  |     |      |     |      |     |     |
|----------------------|------|-----|------|-----|------|-----|-----|
|                      | 63MS | 63M | 71MS | 71M | 80MK | 80M | 90S |
| AC                   | 115  | 115 | 139  | 139 | 156  | 156 | 179 |
| AD                   | 98   | 98  | 118  | 118 | 128  | 128 | 140 |
| ADS                  | 98   | 98  | 129  | 129 | 139  | 139 | 150 |
| L                    | 356  | 370 | 372  | 392 | 403  | 448 | 449 |
| LS                   | 412  | 426 | 439  | 459 | 484  | 529 | 543 |
| LB                   | 190  | 204 | 206  | 226 | 237  | 282 | 283 |
| LBS                  | 246  | 260 | 273  | 293 | 318  | 363 | 377 |

**K29..**

**33 015 01 15**



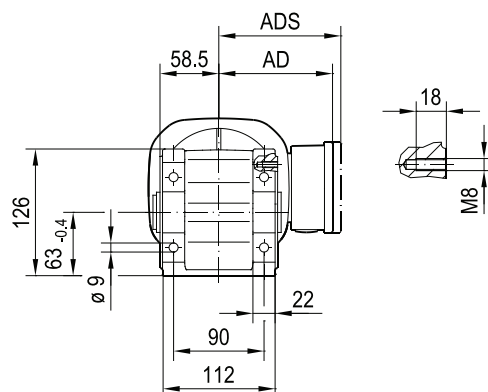
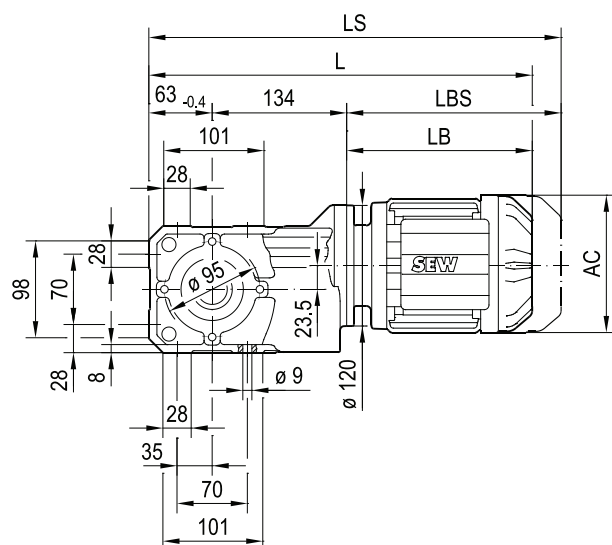
10

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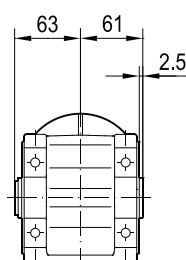
| (→ 7.3) | DRN  |     |      |     |      |     |     |     |
|---------|------|-----|------|-----|------|-----|-----|-----|
|         | 63MS | 63M | 71MS | 71M | 80MK | 80M | 90S | 90L |
| AC      | 115  | 115 | 139  | 139 | 156  | 156 | 179 | 179 |
| AD      | 98   | 98  | 118  | 118 | 128  | 128 | 140 | 140 |
| ADS     | 98   | 98  | 129  | 129 | 139  | 139 | 150 | 150 |
| L       | 387  | 401 | 403  | 423 | 434  | 479 | 480 | 512 |
| LS      | 443  | 457 | 470  | 490 | 515  | 560 | 574 | 606 |
| LB      | 190  | 204 | 206  | 226 | 237  | 282 | 283 | 315 |
| LBS     | 246  | 260 | 273  | 293 | 318  | 363 | 377 | 409 |

33 364 01 15

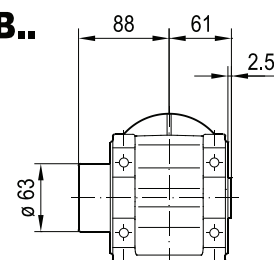
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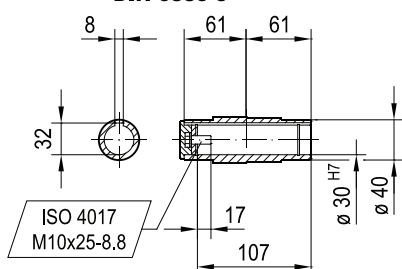
## KA29B..



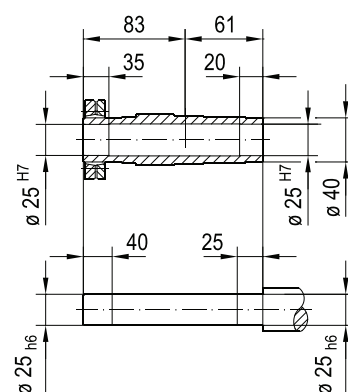
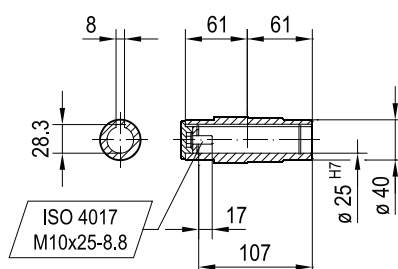
## KH29B..



Ø 30 H7  
DIN 6885-3



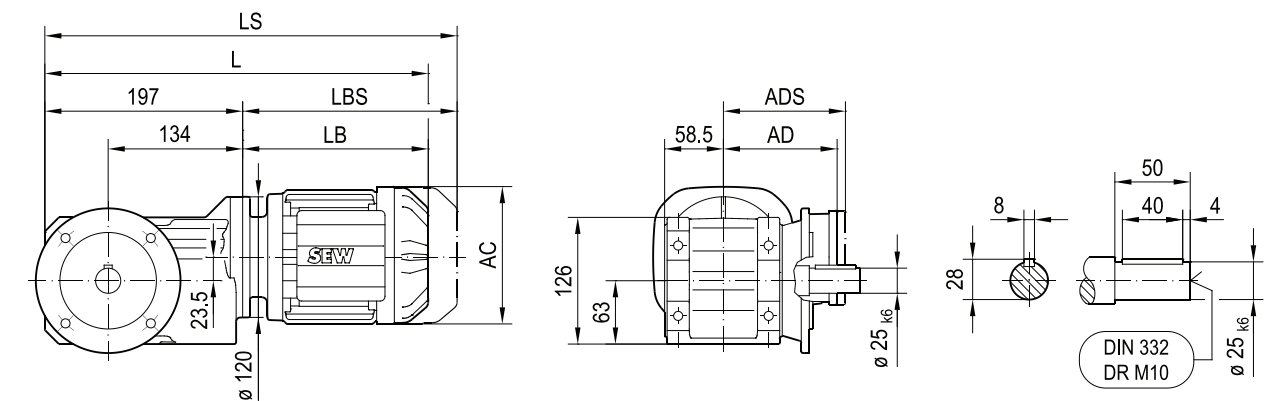
Ø 25 H7



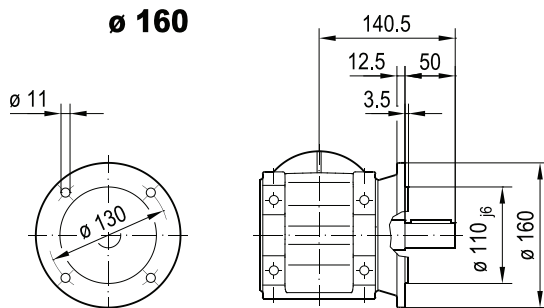
| (→ 7.3) | DRN  |     |      |     |      |     |     |     |
|---------|------|-----|------|-----|------|-----|-----|-----|
|         | 63MS | 63M | 71MS | 71M | 80MK | 80M | 90S | 90L |
| AC      | 115  | 115 | 139  | 139 | 156  | 156 | 179 | 179 |
| AD      | 98   | 98  | 118  | 118 | 128  | 128 | 140 | 140 |
| ADS     | 98   | 98  | 129  | 129 | 139  | 139 | 150 | 150 |
| L       | 387  | 401 | 403  | 423 | 434  | 479 | 480 | 512 |
| LS      | 443  | 457 | 470  | 490 | 515  | 560 | 574 | 606 |
| LB      | 190  | 204 | 206  | 226 | 237  | 282 | 283 | 315 |
| LBS     | 246  | 260 | 273  | 293 | 318  | 363 | 377 | 409 |

33 016 00 15

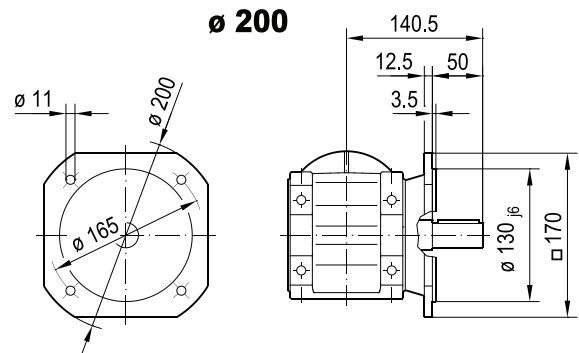
**KF29B..**



**$\varnothing 160$**

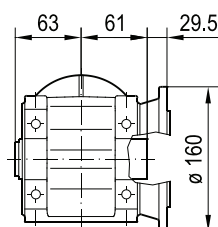


**$\varnothing 200$**

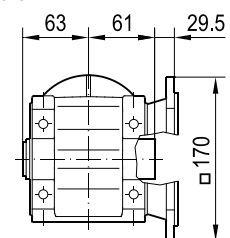


**KAF29B..**

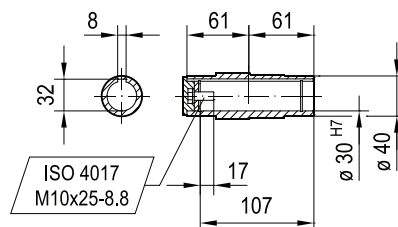
**$\varnothing 160$**



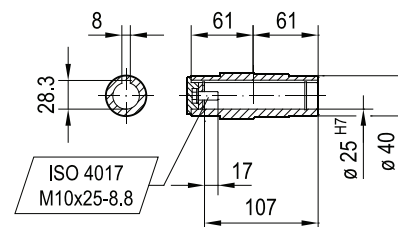
**$\varnothing 200$**



**$\varnothing 30_{H7}$   
DIN 6885-3**



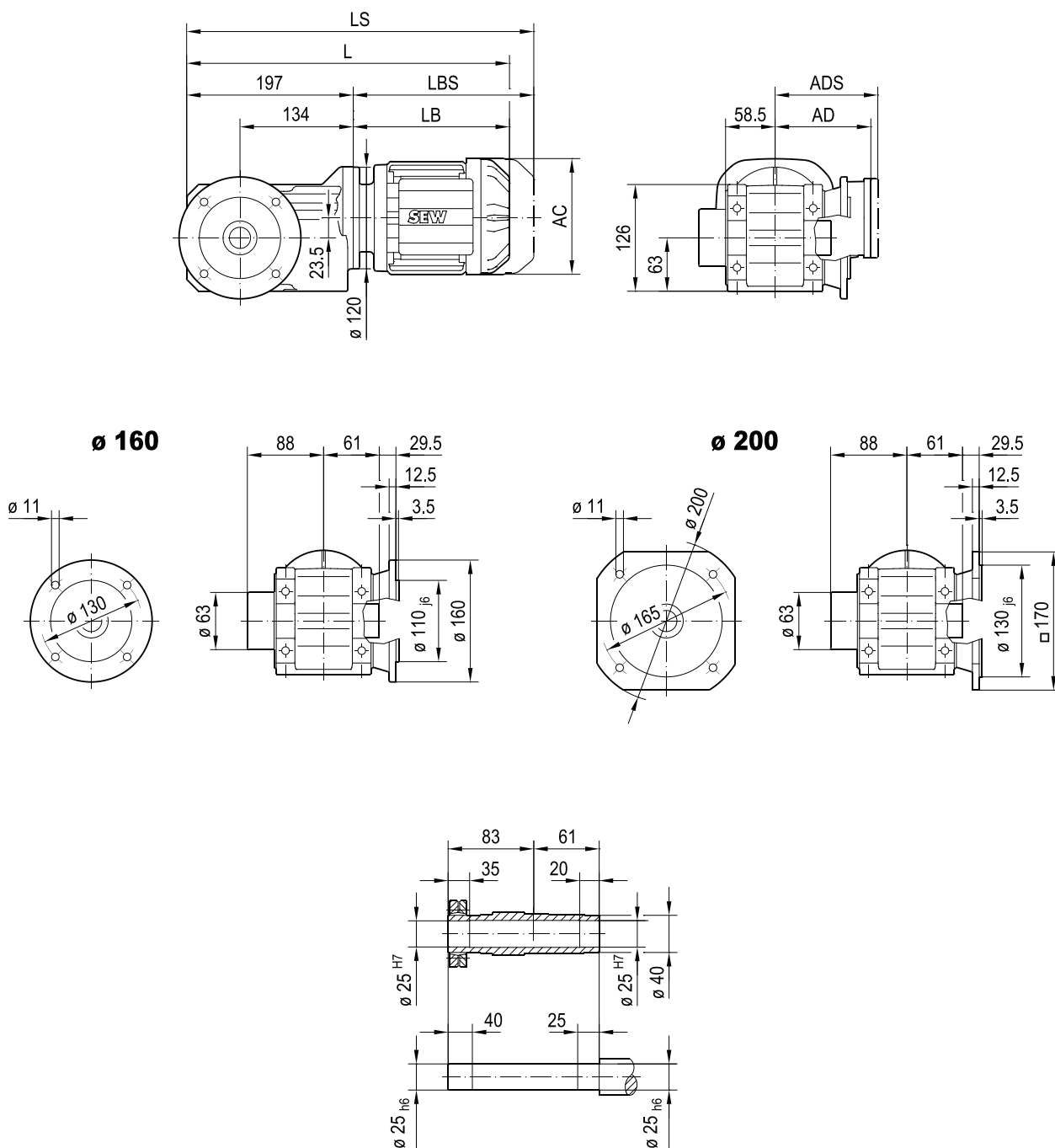
**$\varnothing 25_{H7}$**



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| (→ 7.3) | DRN  |     |      |     |      |     |     |     |
|---------|------|-----|------|-----|------|-----|-----|-----|
|         | 63MS | 63M | 71MS | 71M | 80MK | 80M | 90S | 90L |
| AC      | 115  | 115 | 139  | 139 | 156  | 156 | 179 | 179 |
| AD      | 98   | 98  | 118  | 118 | 128  | 128 | 140 | 140 |
| ADS     | 98   | 98  | 129  | 129 | 139  | 139 | 150 | 150 |
| L       | 387  | 401 | 403  | 423 | 434  | 479 | 480 | 512 |
| LS      | 443  | 457 | 470  | 490 | 515  | 560 | 574 | 606 |
| LB      | 190  | 204 | 206  | 226 | 237  | 282 | 283 | 315 |
| LBS     | 246  | 260 | 273  | 293 | 318  | 363 | 377 | 409 |

33 017 01 15

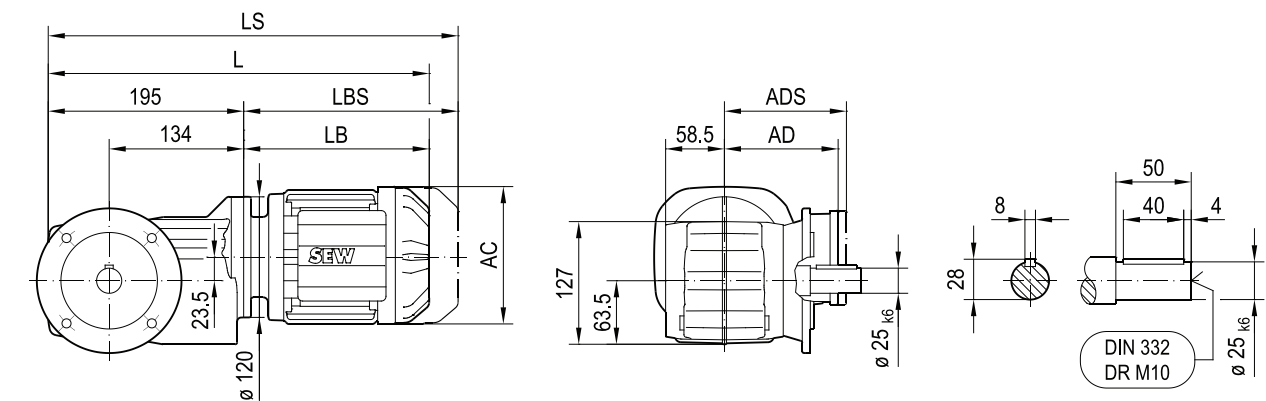
**KHF29B..**

| (→ 7.3) | DRN  |     |      |     |      |     |     |     |
|---------|------|-----|------|-----|------|-----|-----|-----|
|         | 63MS | 63M | 71MS | 71M | 80MK | 80M | 90S | 90L |
| AC      | 115  | 115 | 139  | 139 | 156  | 156 | 179 | 179 |
| AD      | 98   | 98  | 118  | 118 | 128  | 128 | 140 | 140 |
| ADS     | 98   | 98  | 129  | 129 | 139  | 139 | 150 | 150 |
| L       | 387  | 401 | 403  | 423 | 434  | 479 | 480 | 512 |
| LS      | 443  | 457 | 470  | 490 | 515  | 560 | 574 | 606 |
| LB      | 190  | 204 | 206  | 226 | 237  | 282 | 283 | 315 |
| LBS     | 246  | 260 | 273  | 293 | 318  | 363 | 377 | 409 |

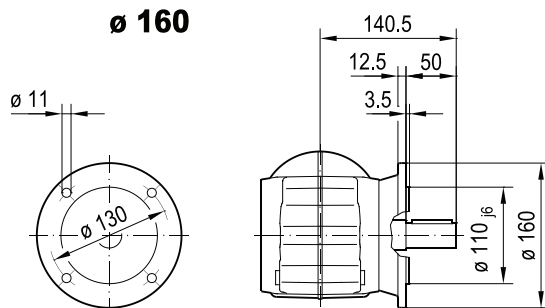
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33 018 00 15

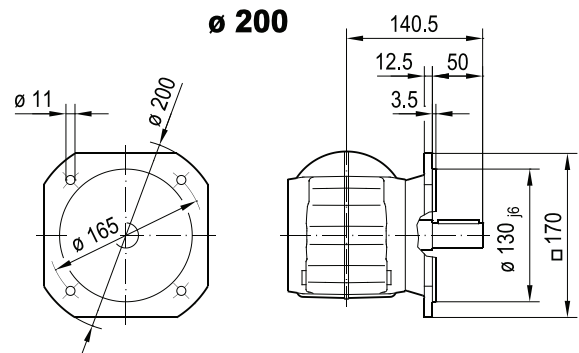
**KF29..**



**$\varnothing 160$**

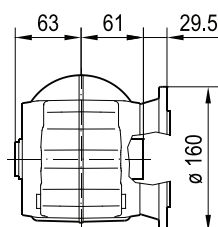


**$\varnothing 200$**

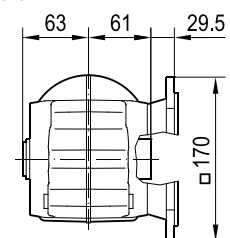


**KAF29..**

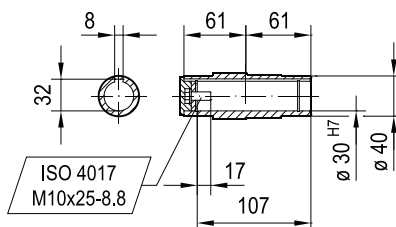
**$\varnothing 160$**



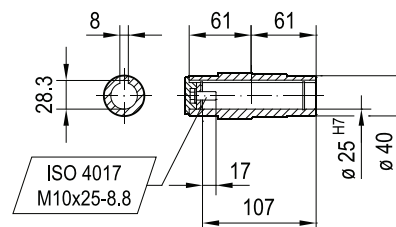
**$\varnothing 200$**



**$\varnothing 30_{H7}$   
DIN 6885-3**

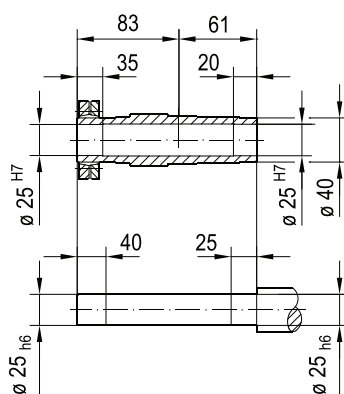
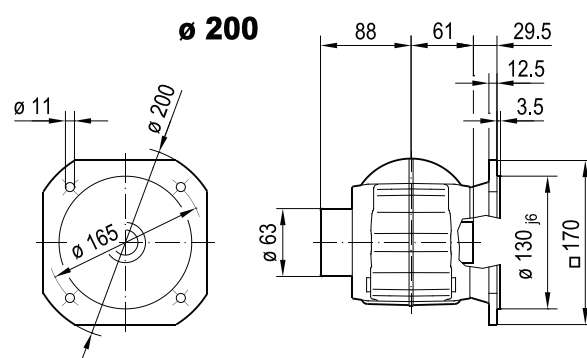
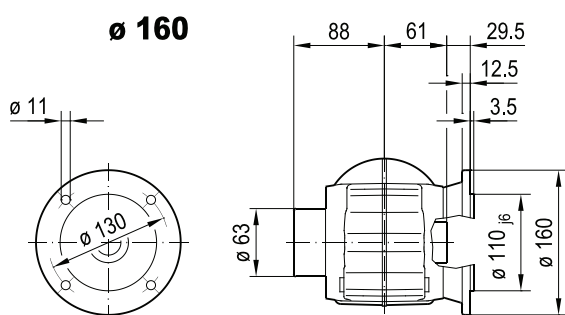
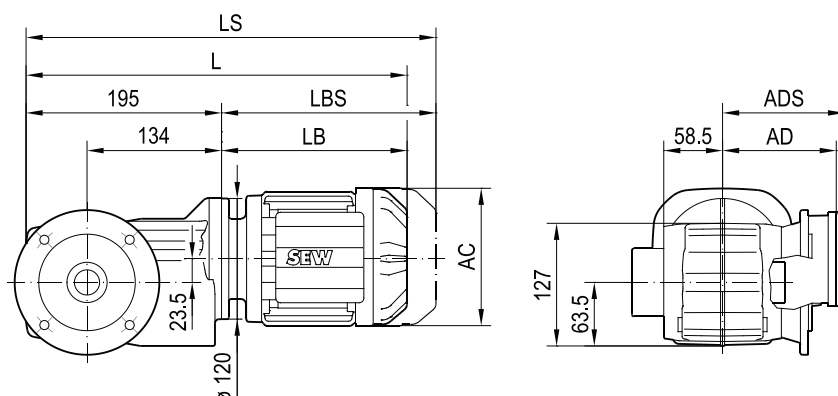


**$\varnothing 25_{H7}$**



| ( $\rightarrow$ 7.3) | DRN  |     |      |     |      |     |     |     |
|----------------------|------|-----|------|-----|------|-----|-----|-----|
|                      | 63MS | 63M | 71MS | 71M | 80MK | 80M | 90S | 90L |
| AC                   | 115  | 115 | 139  | 139 | 156  | 156 | 179 | 179 |
| AD                   | 98   | 98  | 118  | 118 | 128  | 128 | 140 | 140 |
| ADS                  | 98   | 98  | 129  | 129 | 139  | 139 | 150 | 150 |
| L                    | 385  | 399 | 401  | 421 | 432  | 477 | 478 | 510 |
| LS                   | 441  | 455 | 468  | 488 | 513  | 558 | 572 | 604 |
| LB                   | 190  | 204 | 206  | 226 | 237  | 282 | 283 | 315 |
| LBS                  | 246  | 260 | 273  | 293 | 318  | 363 | 377 | 409 |

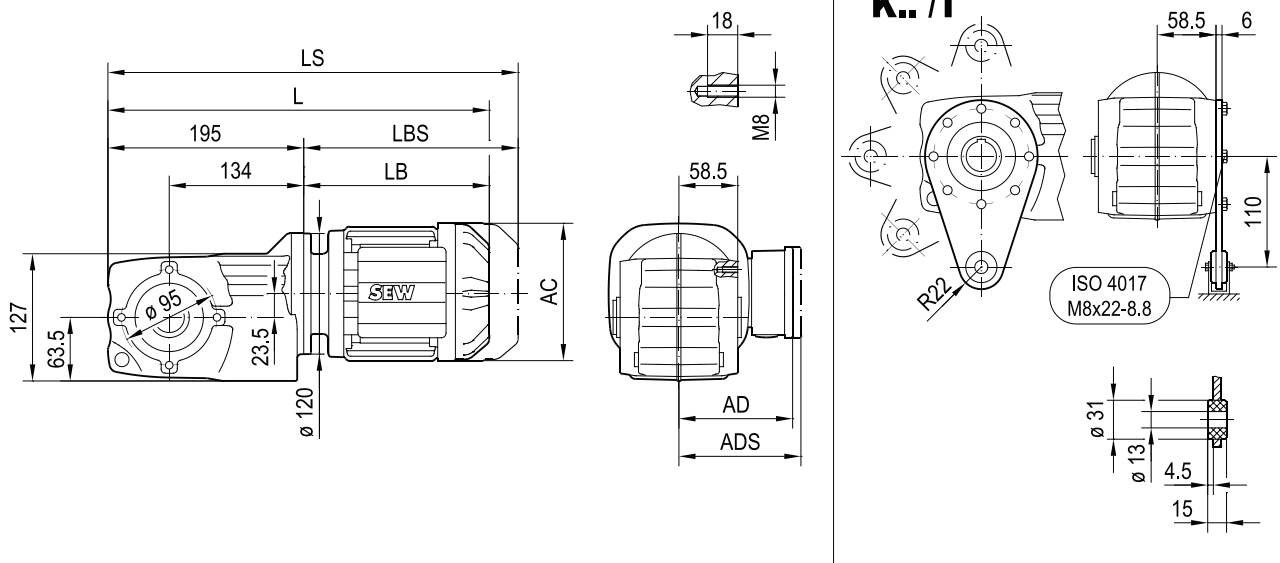
33 019 01 15

**KHF29..**

| (→ 7.3) | DRN  |     |      |     |      |     |     |     |
|---------|------|-----|------|-----|------|-----|-----|-----|
|         | 63MS | 63M | 71MS | 71M | 80MK | 80M | 90S | 90L |
| AC      | 115  | 115 | 139  | 139 | 156  | 156 | 179 | 179 |
| AD      | 98   | 98  | 118  | 118 | 128  | 128 | 140 | 140 |
| ADS     | 98   | 98  | 129  | 129 | 139  | 139 | 150 | 150 |
| L       | 385  | 399 | 401  | 421 | 432  | 477 | 478 | 510 |
| LS      | 441  | 455 | 468  | 488 | 513  | 558 | 572 | 604 |
| LB      | 190  | 204 | 206  | 226 | 237  | 282 | 283 | 315 |
| LBS     | 246  | 260 | 273  | 293 | 318  | 363 | 377 | 409 |

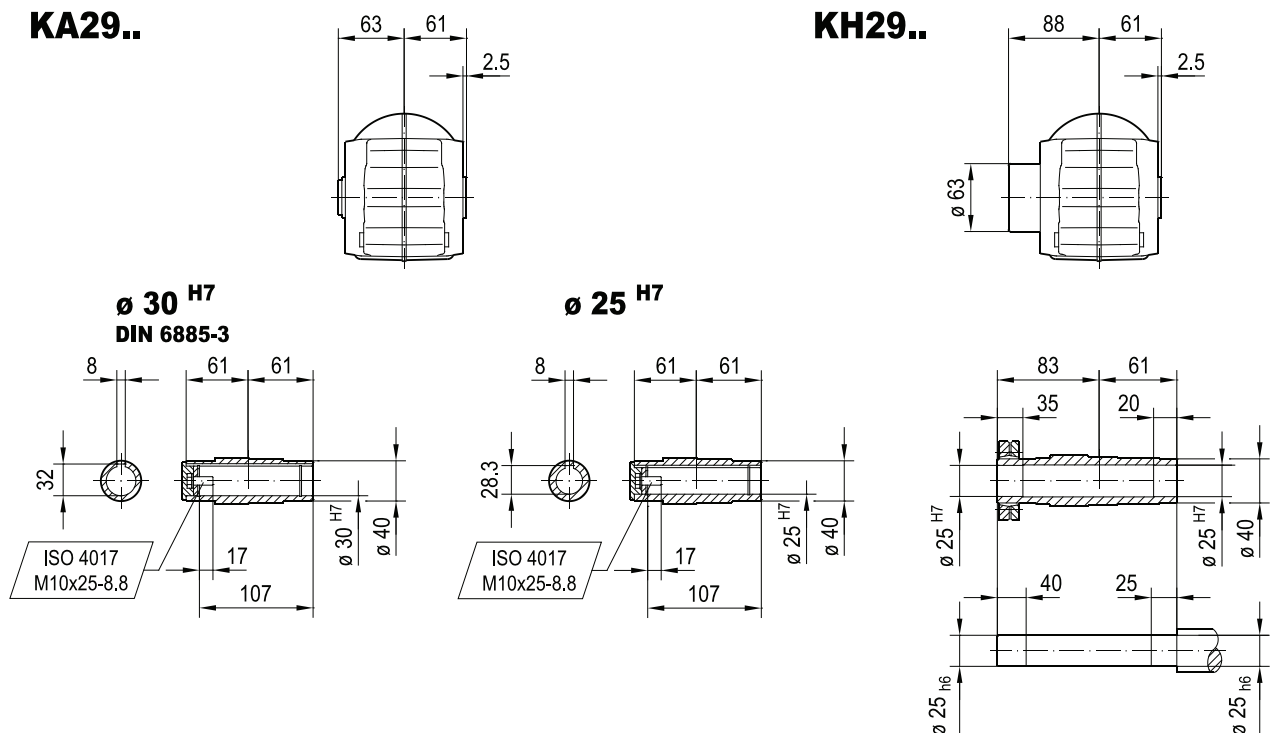
KA29..

33 020 01 15



KA29..

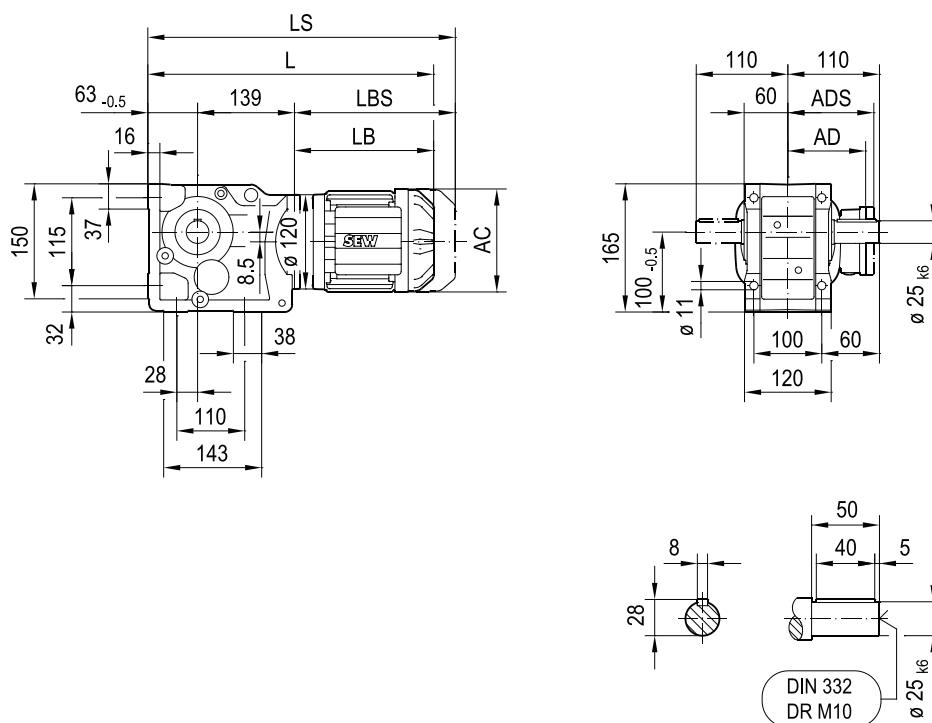
KH29..



| (→ 7.3) | DRN  |     |      |     |      |     |     |     |
|---------|------|-----|------|-----|------|-----|-----|-----|
|         | 63MS | 63M | 71MS | 71M | 80MK | 80M | 90S | 90L |
| AC      | 115  | 115 | 139  | 139 | 156  | 156 | 179 | 179 |
| AD      | 98   | 98  | 118  | 118 | 128  | 128 | 140 | 140 |
| ADS     | 98   | 98  | 129  | 129 | 139  | 139 | 150 | 150 |
| L       | 385  | 399 | 401  | 421 | 432  | 477 | 478 | 510 |
| LS      | 441  | 455 | 468  | 488 | 513  | 558 | 572 | 604 |
| LB      | 190  | 204 | 206  | 226 | 237  | 282 | 283 | 315 |
| LBS     | 246  | 260 | 273  | 293 | 318  | 363 | 377 | 409 |

33 037 00 14

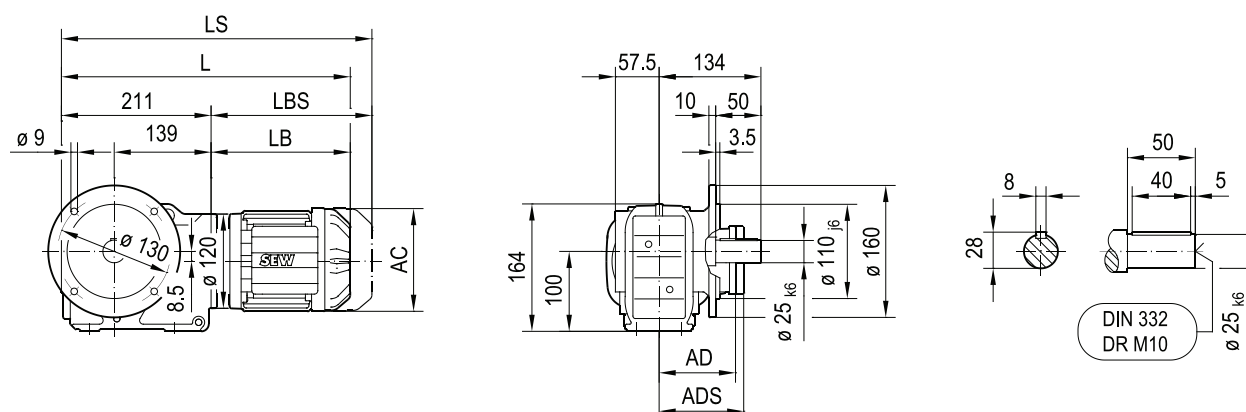
K37..



| (→ 7.3) | DRN  |     |      |     |      |     |     |     |       |         |
|---------|------|-----|------|-----|------|-----|-----|-----|-------|---------|
|         | 63MS | 63M | 71MS | 71M | 80MK | 80M | 90S | 90L | 100LS | 100L/LM |
| AC      | 115  | 115 | 139  | 139 | 156  | 156 | 179 | 179 | 197   | 197     |
| AD      | 98   | 98  | 118  | 118 | 128  | 128 | 140 | 140 | 157   | 157     |
| ADS     | 98   | 98  | 129  | 129 | 139  | 139 | 150 | 150 | 158   | 158     |
| L       | 392  | 406 | 408  | 428 | 439  | 484 | 485 | 517 | 516   | 566     |
| LS      | 448  | 462 | 475  | 495 | 520  | 565 | 579 | 611 | 610   | 660     |
| LB      | 190  | 204 | 206  | 226 | 237  | 282 | 283 | 315 | 314   | 364     |
| LBS     | 246  | 260 | 273  | 293 | 318  | 363 | 377 | 409 | 408   | 458     |

# KF37..

33 038 00 14

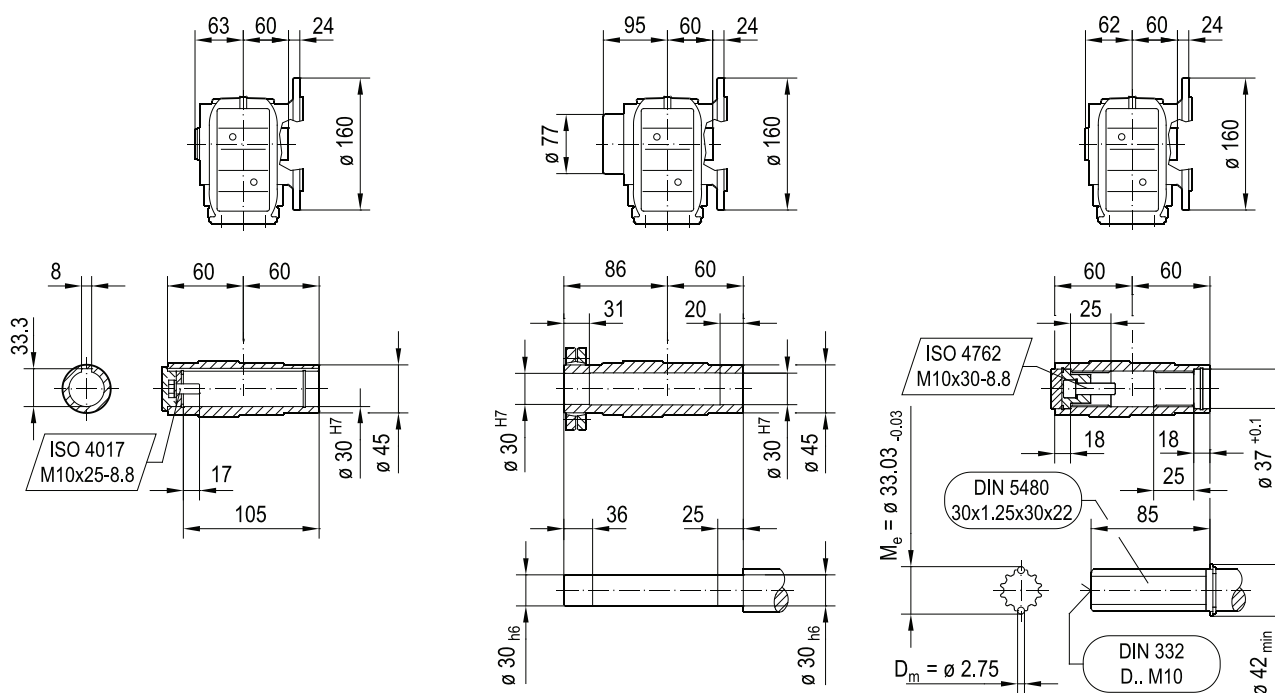


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# KAF37..

# KHF37..

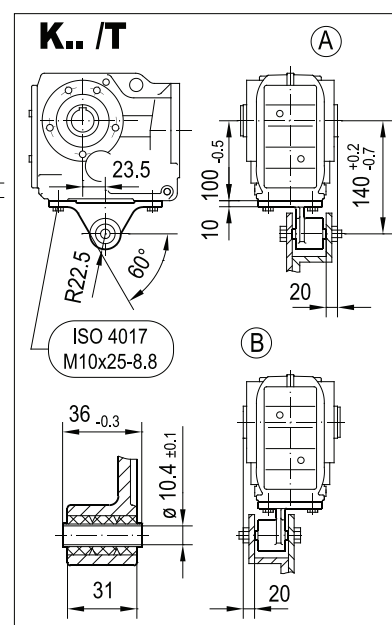
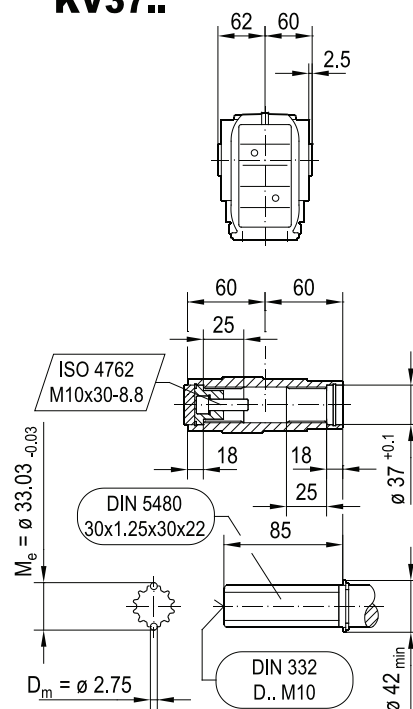
# KVF37..



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| (→ 7.3) | DRN  |     |      |     |      |     |     |     |       |         |
|---------|------|-----|------|-----|------|-----|-----|-----|-------|---------|
|         | 63MS | 63M | 71MS | 71M | 80MK | 80M | 90S | 90L | 100LS | 100L/LM |
| AC      | 115  | 115 | 139  | 139 | 156  | 156 | 179 | 179 | 197   | 197     |
| AD      | 98   | 98  | 118  | 118 | 128  | 128 | 140 | 140 | 157   | 157     |
| ADS     | 98   | 98  | 129  | 129 | 139  | 139 | 150 | 150 | 158   | 158     |
| L       | 401  | 415 | 417  | 437 | 448  | 493 | 494 | 526 | 525   | 575     |
| LS      | 457  | 471 | 484  | 504 | 529  | 574 | 588 | 620 | 619   | 669     |
| LB      | 190  | 204 | 206  | 226 | 237  | 282 | 283 | 315 | 314   | 364     |
| LBS     | 246  | 260 | 273  | 293 | 318  | 363 | 377 | 409 | 408   | 458     |

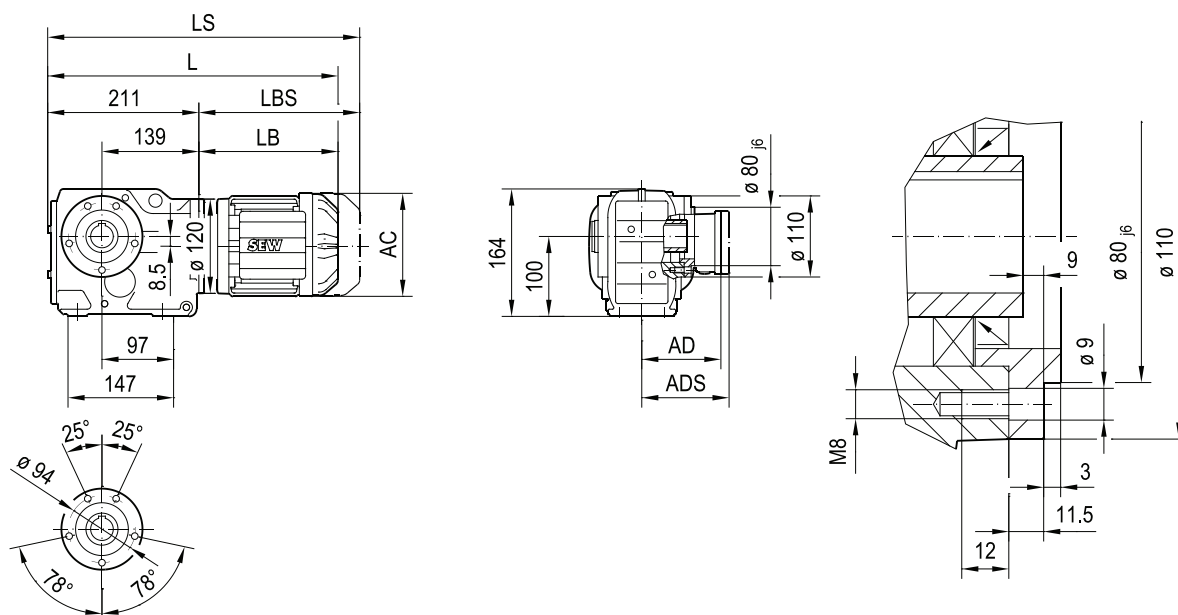
**KA37..**

**KV37..**

| (→ 🏠 7.3) | DRN  |     |      |     |      |     |     |     |       |         |
|-----------|------|-----|------|-----|------|-----|-----|-----|-------|---------|
|           | 63MS | 63M | 71MS | 71M | 80MK | 80M | 90S | 90L | 100LS | 100L/LM |
| AC        | 115  | 115 | 139  | 139 | 156  | 156 | 179 | 179 | 197   | 197     |
| AD        | 98   | 98  | 118  | 118 | 128  | 128 | 140 | 140 | 157   | 157     |
| ADS       | 98   | 98  | 129  | 129 | 139  | 139 | 150 | 150 | 158   | 158     |
| L         | 401  | 415 | 417  | 437 | 448  | 493 | 494 | 526 | 525   | 575     |
| LS        | 457  | 471 | 484  | 504 | 529  | 574 | 588 | 620 | 619   | 669     |
| LB        | 190  | 204 | 206  | 226 | 237  | 282 | 283 | 315 | 314   | 364     |
| LBS       | 246  | 260 | 273  | 293 | 318  | 363 | 377 | 409 | 408   | 458     |

**KAZ37..**

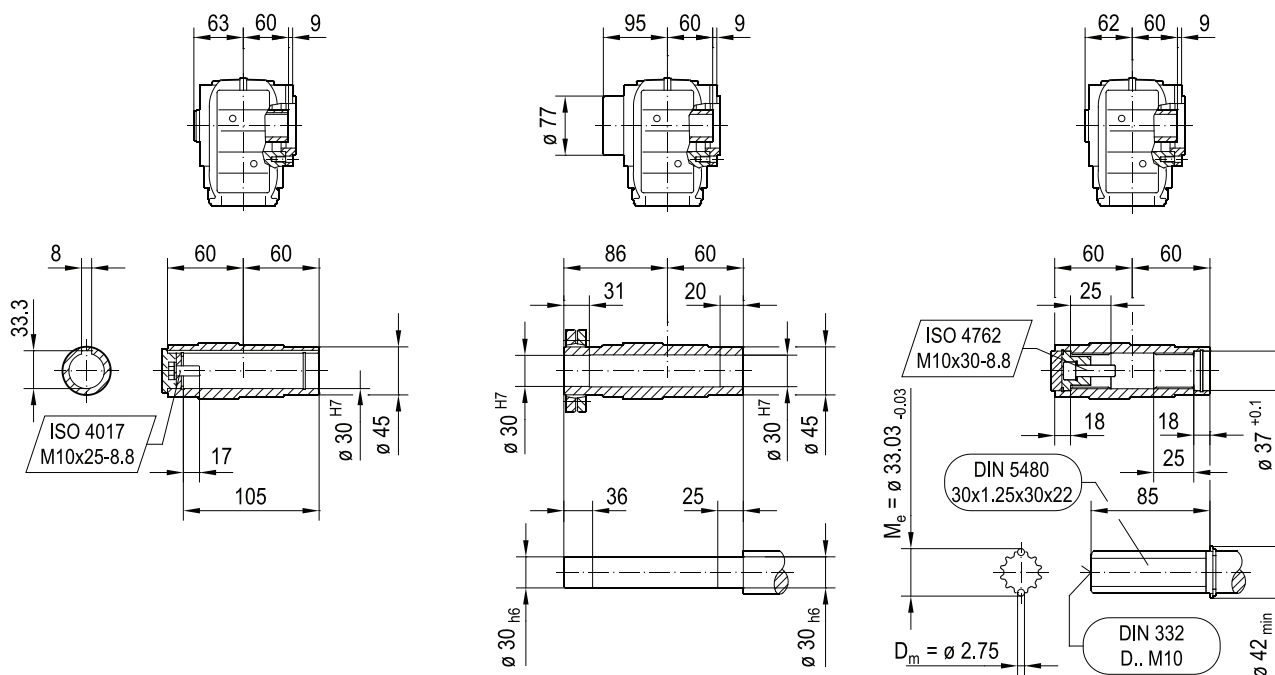
33 040 00 14



**KAZ37..**

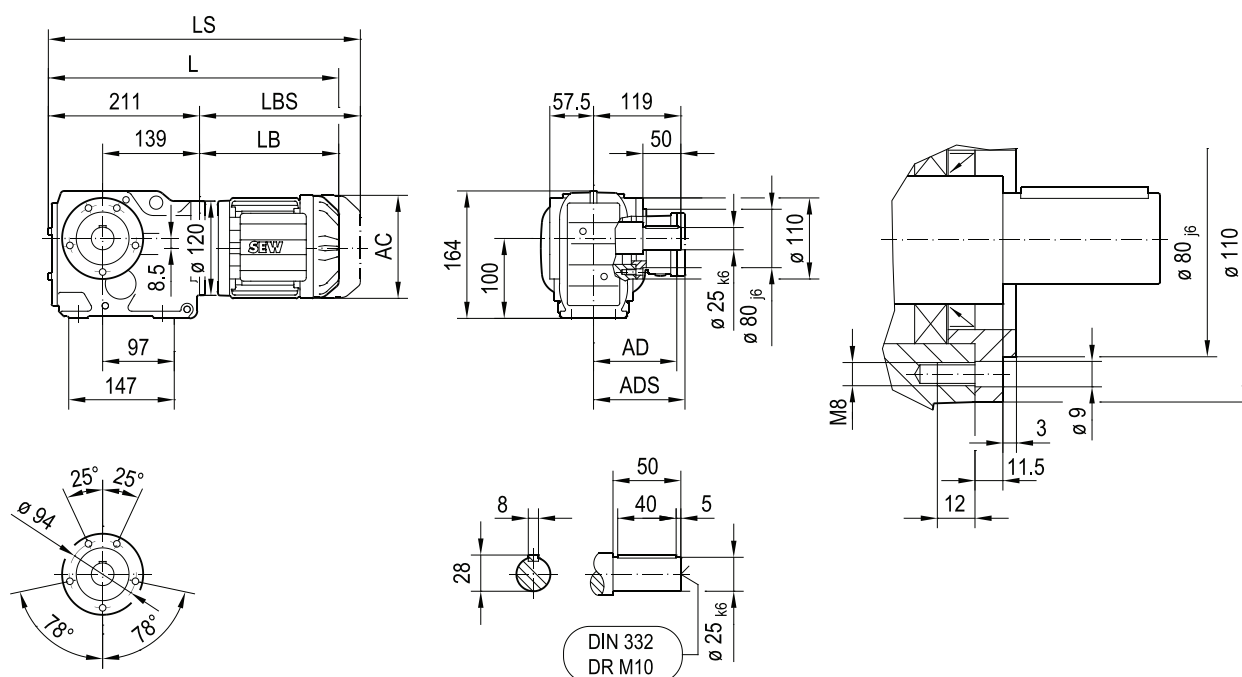
**KHZ37..**

**KVZ37..**



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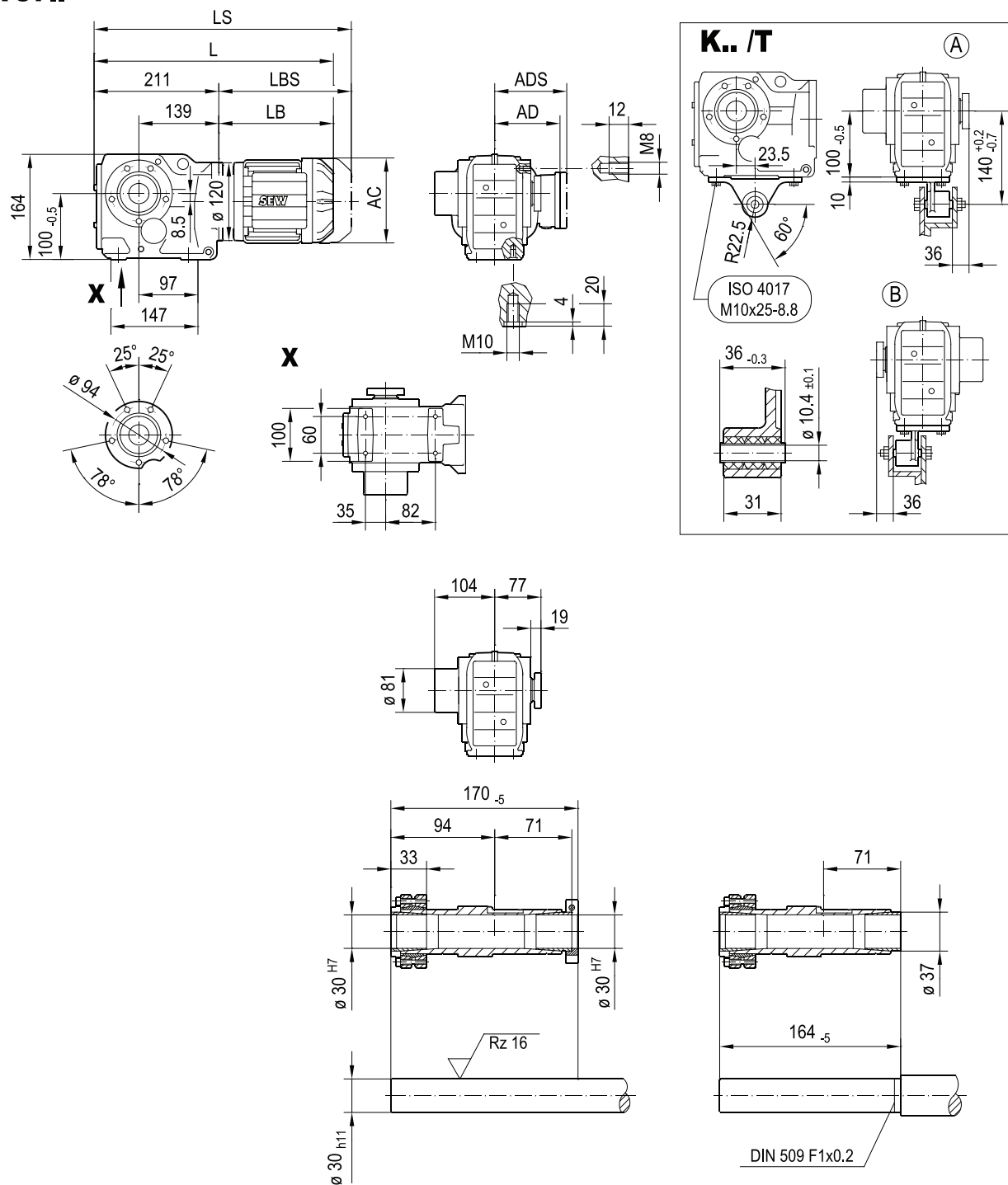
| (→ 7.3) | DRN  |     |      |     |      |     |     |     |       |         |
|---------|------|-----|------|-----|------|-----|-----|-----|-------|---------|
|         | 63MS | 63M | 71MS | 71M | 80MK | 80M | 90S | 90L | 100LS | 100L/LM |
| AC      | 115  | 115 | 139  | 139 | 156  | 156 | 179 | 179 | 197   | 197     |
| AD      | 98   | 98  | 118  | 118 | 128  | 128 | 140 | 140 | 157   | 157     |
| ADS     | 98   | 98  | 129  | 129 | 139  | 139 | 150 | 150 | 158   | 158     |
| L       | 401  | 415 | 417  | 437 | 448  | 493 | 494 | 526 | 525   | 575     |
| LS      | 457  | 471 | 484  | 504 | 529  | 574 | 588 | 620 | 619   | 669     |
| LB      | 190  | 204 | 206  | 226 | 237  | 282 | 283 | 315 | 314   | 364     |
| LBS     | 246  | 260 | 273  | 293 | 318  | 363 | 377 | 409 | 408   | 458     |

**KZ37..****33 232 00 15**

| (→ 7.3) | DRN  |     |      |     |      |     |     |     |       |         |
|---------|------|-----|------|-----|------|-----|-----|-----|-------|---------|
|         | 63MS | 63M | 71MS | 71M | 80MK | 80M | 90S | 90L | 100LS | 100L/LM |
| AC      | 115  | 115 | 139  | 139 | 156  | 156 | 179 | 179 | 197   | 197     |
| AD      | 98   | 98  | 118  | 118 | 128  | 128 | 140 | 140 | 157   | 157     |
| ADS     | 98   | 98  | 129  | 129 | 139  | 139 | 150 | 150 | 158   | 158     |
| L       | 401  | 415 | 417  | 437 | 448  | 493 | 494 | 526 | 525   | 575     |
| LS      | 457  | 471 | 484  | 504 | 529  | 574 | 588 | 620 | 619   | 669     |
| LB      | 190  | 204 | 206  | 226 | 237  | 282 | 283 | 315 | 314   | 364     |
| LBS     | 246  | 260 | 273  | 293 | 318  | 363 | 377 | 409 | 408   | 458     |

KT37..

33 041 01 14

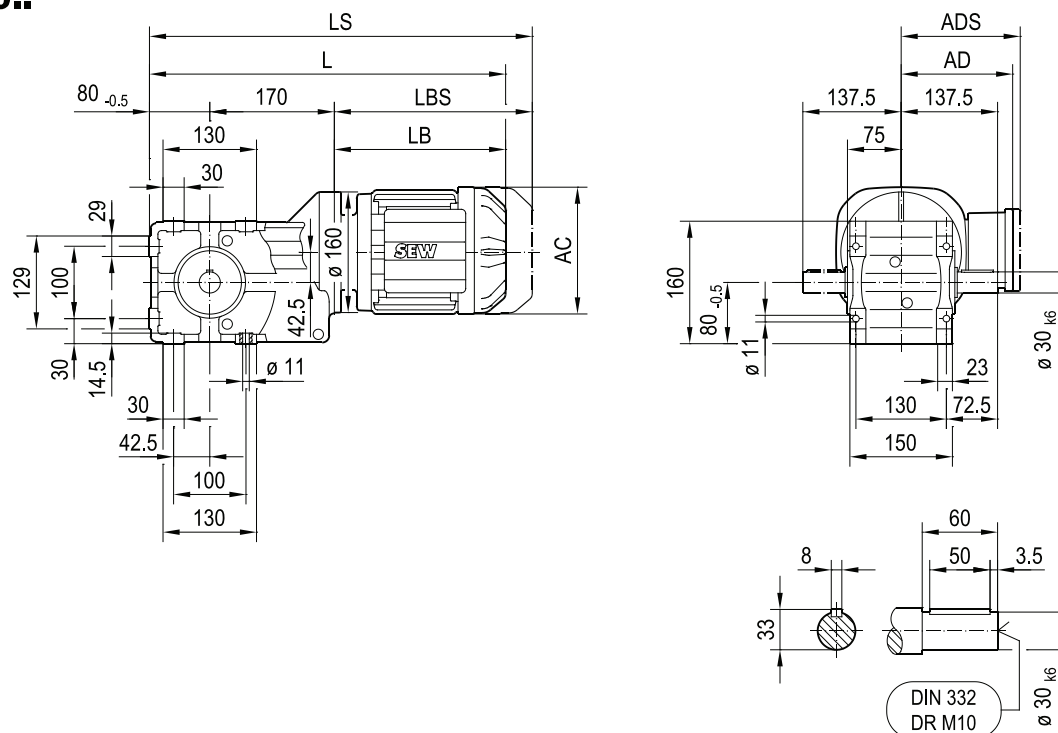
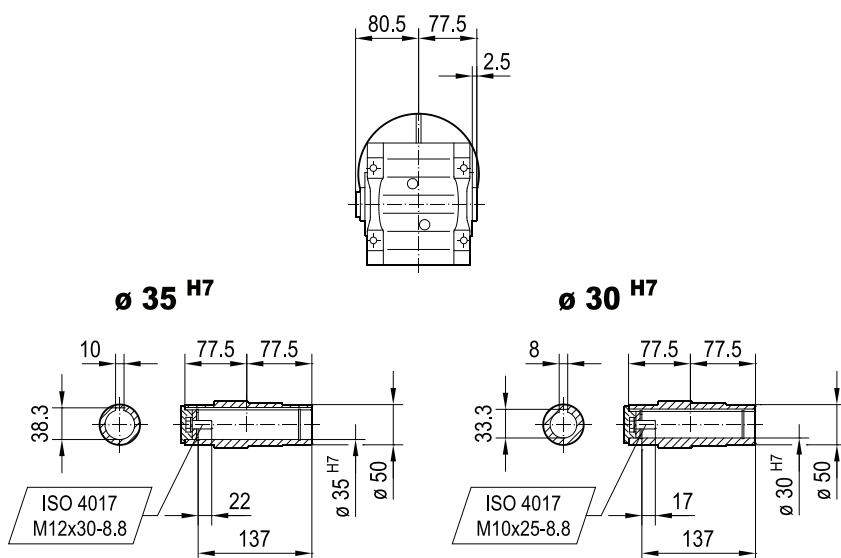


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| (→ 7.3) | DRN  |     |      |     |      |     |     |     |       |         |
|---------|------|-----|------|-----|------|-----|-----|-----|-------|---------|
|         | 63MS | 63M | 71MS | 71M | 80MK | 80M | 90S | 90L | 100LS | 100L/LM |
| AC      | 115  | 115 | 139  | 139 | 156  | 156 | 179 | 179 | 197   | 197     |
| AD      | 98   | 98  | 118  | 118 | 128  | 128 | 140 | 140 | 157   | 157     |
| ADS     | 98   | 98  | 129  | 129 | 139  | 139 | 150 | 150 | 158   | 158     |
| L       | 401  | 415 | 417  | 437 | 448  | 493 | 494 | 526 | 525   | 575     |
| LS      | 457  | 471 | 484  | 504 | 529  | 574 | 588 | 620 | 619   | 669     |
| LB      | 190  | 204 | 206  | 226 | 237  | 282 | 283 | 315 | 314   | 364     |
| LBS     | 246  | 260 | 273  | 293 | 318  | 363 | 377 | 409 | 408   | 458     |

33 021 01 14

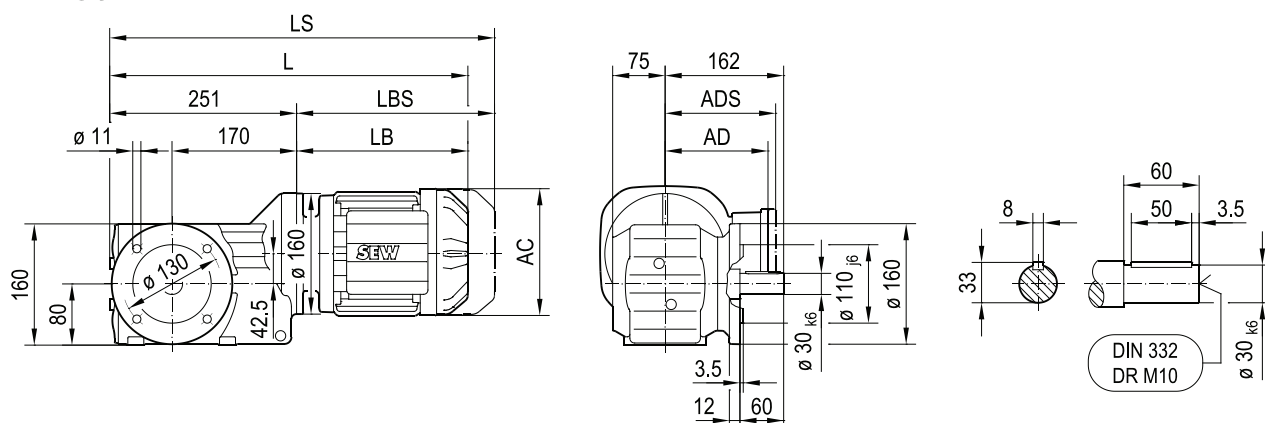
**K39..****KA39B..**

| (→ 7.3) | DRN  |     |      |     |     |     |       |         |      |
|---------|------|-----|------|-----|-----|-----|-------|---------|------|
|         | 71MS | 71M | 80MK | 80M | 90S | 90L | 100LS | 100L/LM | 112M |
| AC      | 139  | 139 | 156  | 156 | 179 | 179 | 197   | 197     | 221  |
| AD      | 118  | 118 | 128  | 128 | 140 | 140 | 157   | 157     | 170  |
| ADS     | 129  | 129 | 139  | 139 | 150 | 150 | 158   | 158     | 172  |
| L       | 449  | 469 | 480  | 525 | 527 | 559 | 555   | 605     | 636  |
| LS      | 517  | 537 | 561  | 606 | 620 | 652 | 649   | 699     | 748  |
| LB      | 199  | 219 | 230  | 275 | 277 | 309 | 305   | 355     | 386  |
| LBS     | 267  | 287 | 311  | 356 | 370 | 402 | 399   | 449     | 498  |

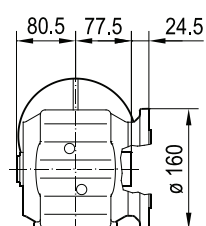
24832944/FR – 09/2018

**33 022 01 14**

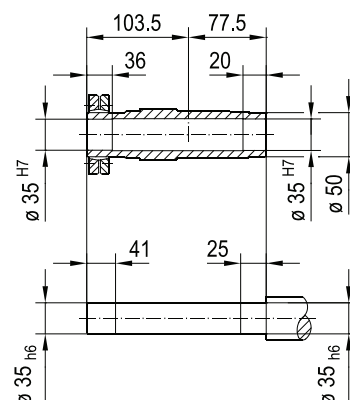
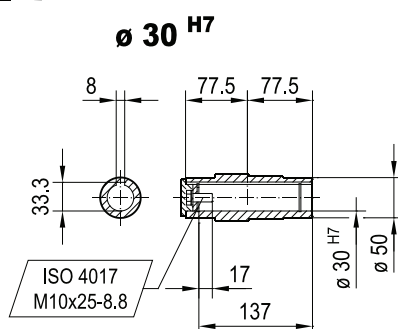
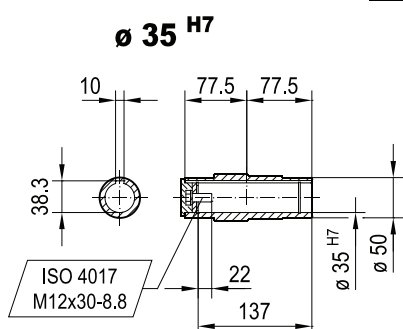
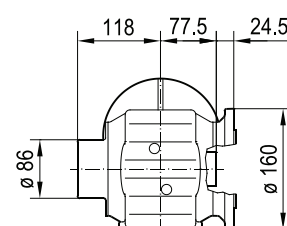
**KF39..**



**KAF39..**

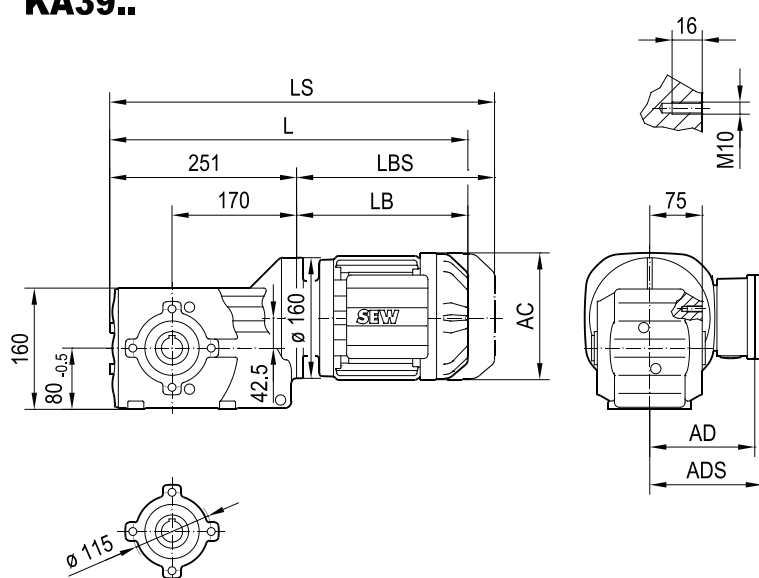


## KHF39..

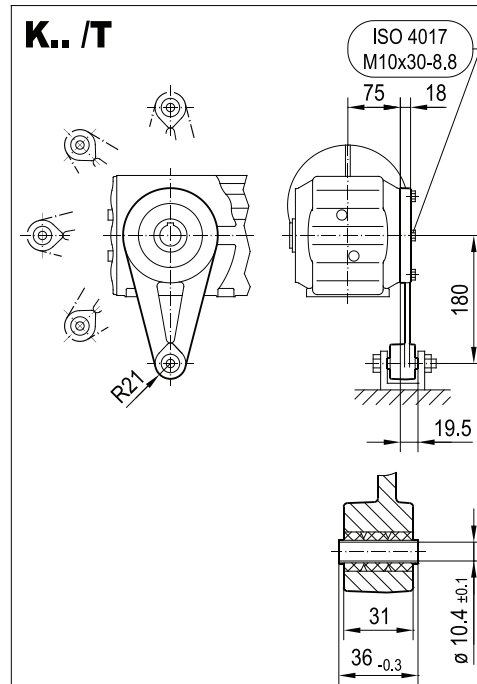


| (→ 🏠 7.3) | DRN  |     |      |     |     |     |       |         |      |
|-----------|------|-----|------|-----|-----|-----|-------|---------|------|
|           | 71MS | 71M | 80MK | 80M | 90S | 90L | 100LS | 100L/LM | 112M |
| AC        | 139  | 139 | 156  | 156 | 179 | 179 | 197   | 197     | 221  |
| AD        | 118  | 118 | 128  | 128 | 140 | 140 | 157   | 157     | 170  |
| ADS       | 129  | 129 | 139  | 139 | 150 | 150 | 158   | 158     | 172  |
| L         | 450  | 470 | 481  | 526 | 528 | 560 | 556   | 606     | 637  |
| LS        | 518  | 538 | 562  | 607 | 621 | 653 | 650   | 700     | 749  |
| LB        | 199  | 219 | 230  | 275 | 277 | 309 | 305   | 355     | 386  |
| LBS       | 267  | 287 | 311  | 356 | 370 | 402 | 399   | 449     | 498  |

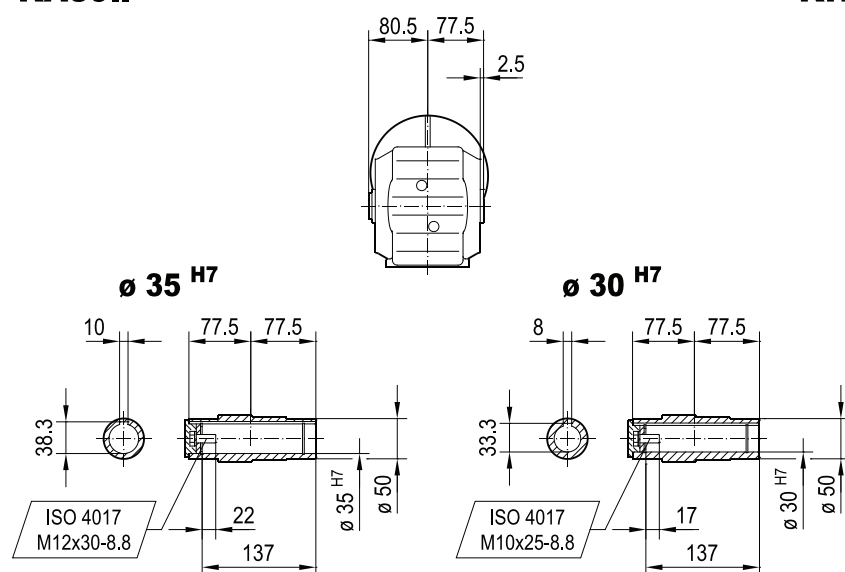
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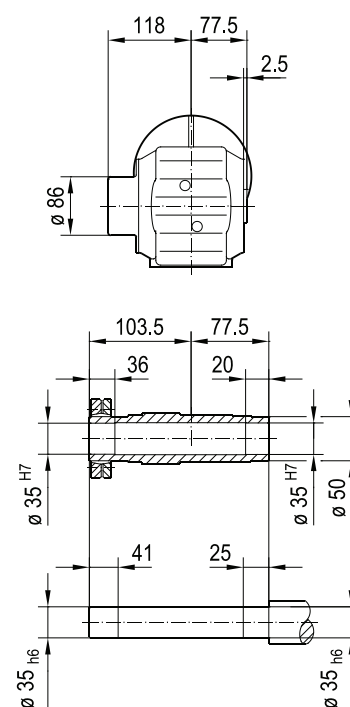
33 023 01 14



## KA39..



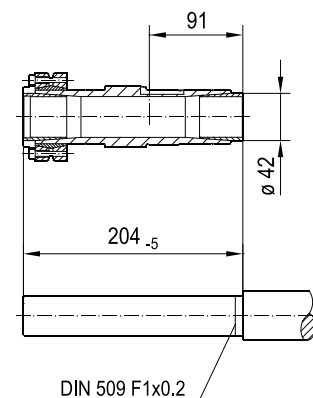
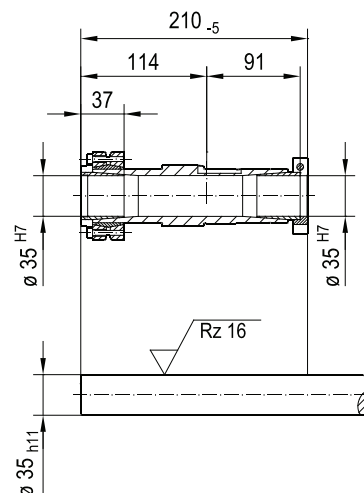
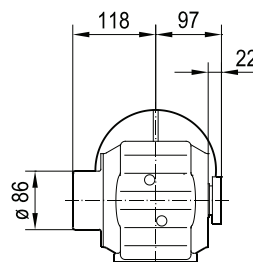
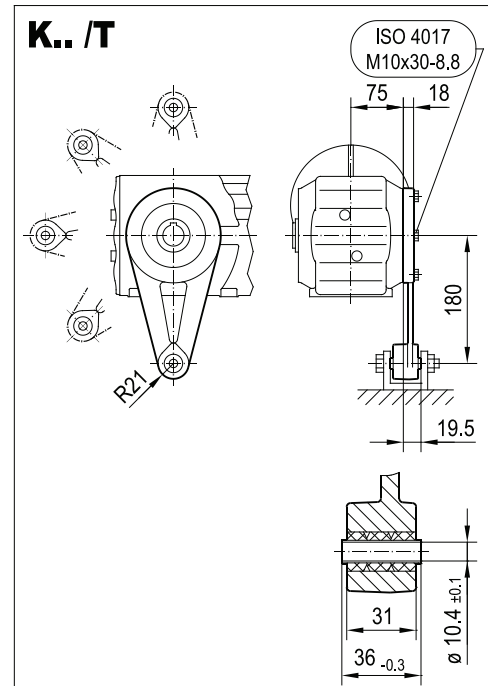
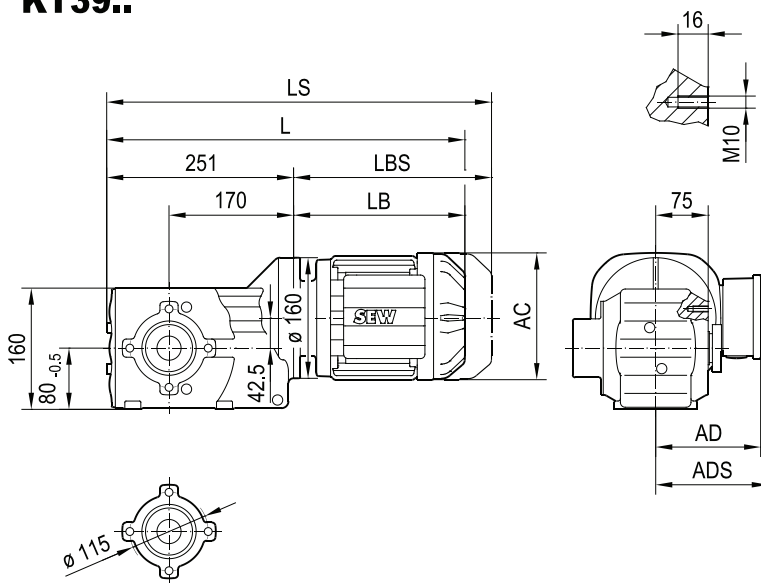
## KH39..



| (→ 7.3) | DRN  |     |      |     |     |     |       |         |      |
|---------|------|-----|------|-----|-----|-----|-------|---------|------|
|         | 71MS | 71M | 80MK | 80M | 90S | 90L | 100LS | 100L/LM | 112M |
| AC      | 139  | 139 | 156  | 156 | 179 | 179 | 197   | 197     | 221  |
| AD      | 118  | 118 | 128  | 128 | 140 | 140 | 157   | 157     | 170  |
| ADS     | 129  | 129 | 139  | 139 | 150 | 150 | 158   | 158     | 172  |
| L       | 450  | 470 | 481  | 526 | 528 | 560 | 556   | 606     | 637  |
| LS      | 518  | 538 | 562  | 607 | 621 | 653 | 650   | 700     | 749  |
| LB      | 199  | 219 | 230  | 275 | 277 | 309 | 305   | 355     | 386  |
| LBS     | 267  | 287 | 311  | 356 | 370 | 402 | 399   | 449     | 498  |

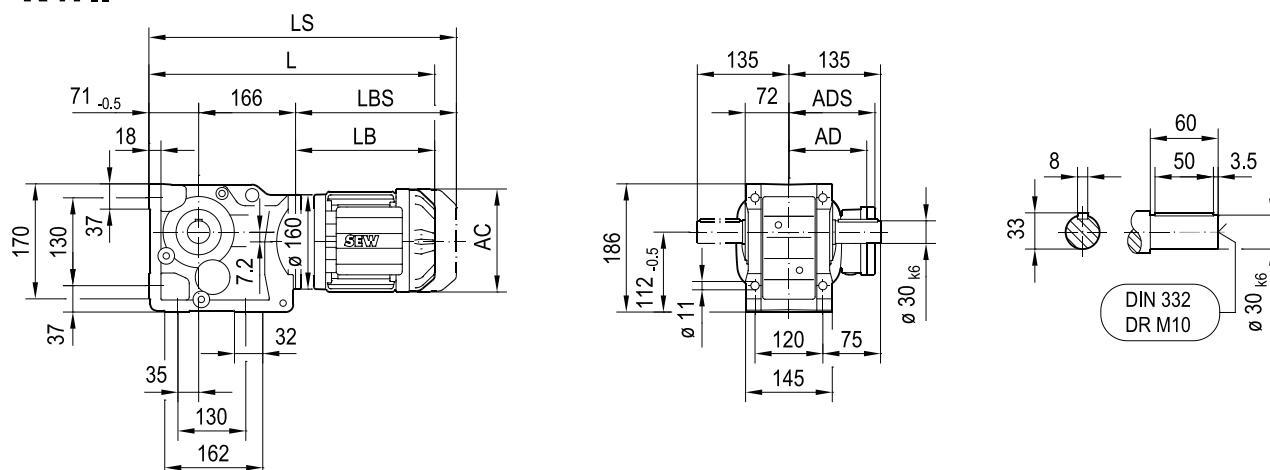
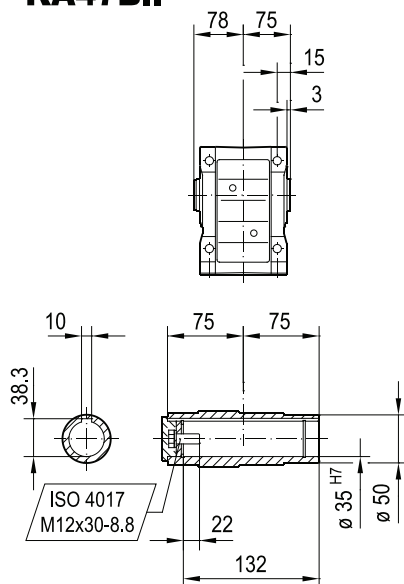
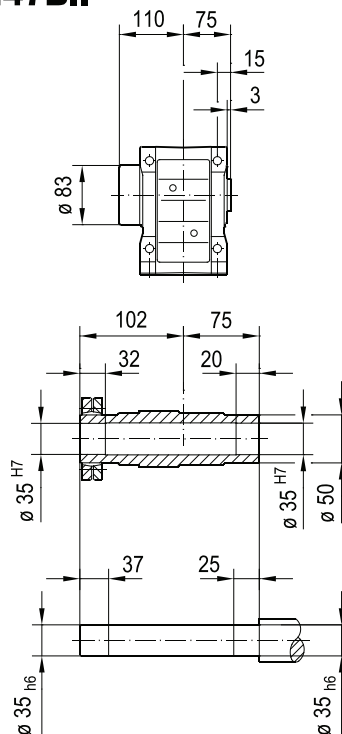
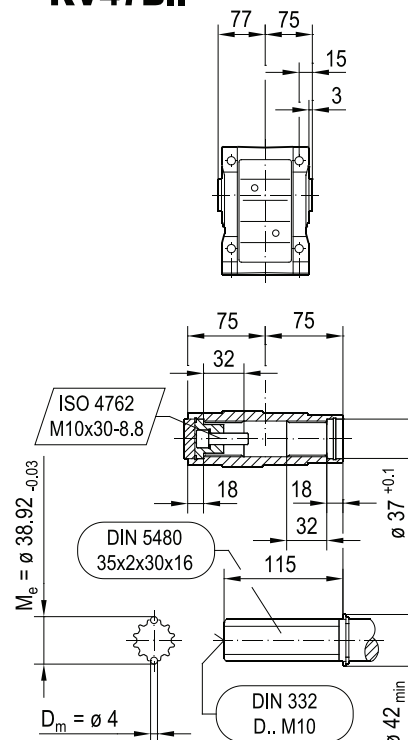
KT39..

33 024 01 14



| (→ 7.3) | DRN  |     |      |     |     |     |       |         |      |
|---------|------|-----|------|-----|-----|-----|-------|---------|------|
|         | 71MS | 71M | 80MK | 80M | 90S | 90L | 100LS | 100L/LM | 112M |
| AC      | 139  | 139 | 156  | 156 | 179 | 179 | 197   | 197     | 221  |
| AD      | 118  | 118 | 128  | 128 | 140 | 140 | 157   | 157     | 170  |
| ADS     | 129  | 129 | 139  | 139 | 150 | 150 | 158   | 158     | 172  |
| L       | 450  | 470 | 481  | 526 | 528 | 560 | 556   | 606     | 637  |
| LS      | 518  | 538 | 562  | 607 | 621 | 653 | 650   | 700     | 749  |
| LB      | 199  | 219 | 230  | 275 | 277 | 309 | 305   | 355     | 386  |
| LBS     | 267  | 287 | 311  | 356 | 370 | 402 | 399   | 449     | 498  |

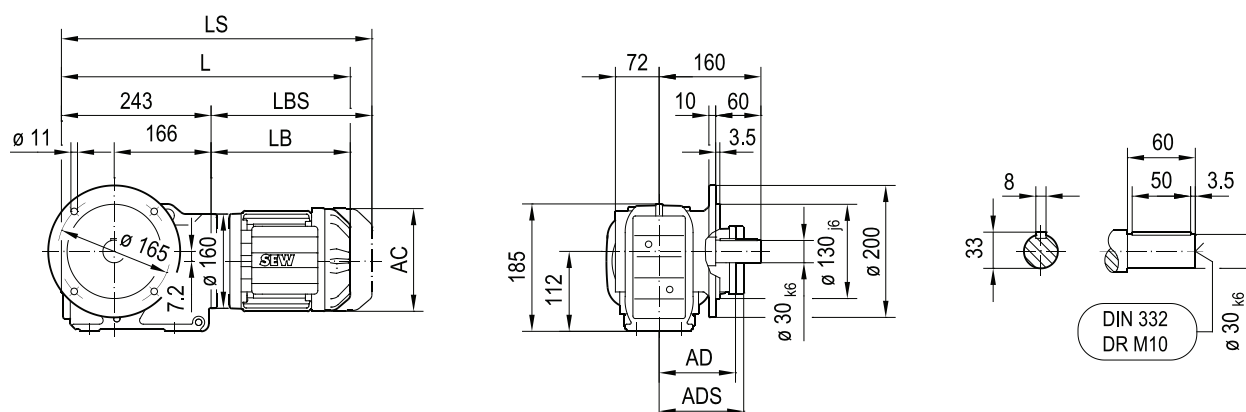
33 042 00 14

**K47..****KA47B..****KH47B..****KV47B..**

| (→ 7.3) | DRN  |     |      |     |      |     |     |     |       |         |
|---------|------|-----|------|-----|------|-----|-----|-----|-------|---------|
|         | 63MS | 63M | 71MS | 71M | 80MK | 80M | 90S | 90L | 100LS | 100L/LM |
| AC      | 115  | 115 | 139  | 139 | 156  | 156 | 179 | 179 | 197   | 197     |
| AD      | 98   | 98  | 118  | 118 | 128  | 128 | 140 | 140 | 157   | 157     |
| ADS     | 98   | 98  | 129  | 129 | 139  | 139 | 150 | 150 | 158   | 158     |
| L       | 421  | 435 | 436  | 456 | 467  | 512 | 514 | 546 | 542   | 592     |
| LS      | 477  | 491 | 504  | 524 | 548  | 593 | 607 | 639 | 636   | 686     |
| LB      | 184  | 198 | 199  | 219 | 230  | 275 | 277 | 309 | 305   | 355     |
| LBS     | 240  | 254 | 267  | 287 | 311  | 356 | 370 | 402 | 399   | 449     |

**KF47..**

33 043 00 14

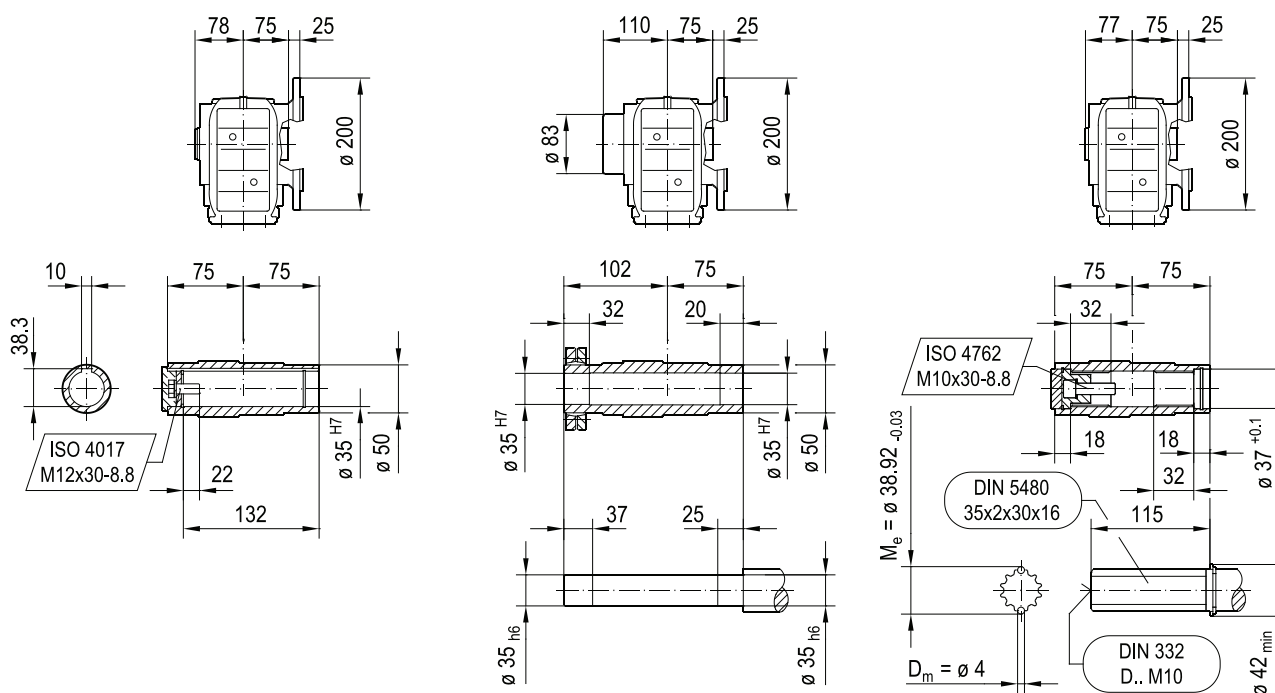


10

**KAF47..**

**KHF47..**

**KVF47..**



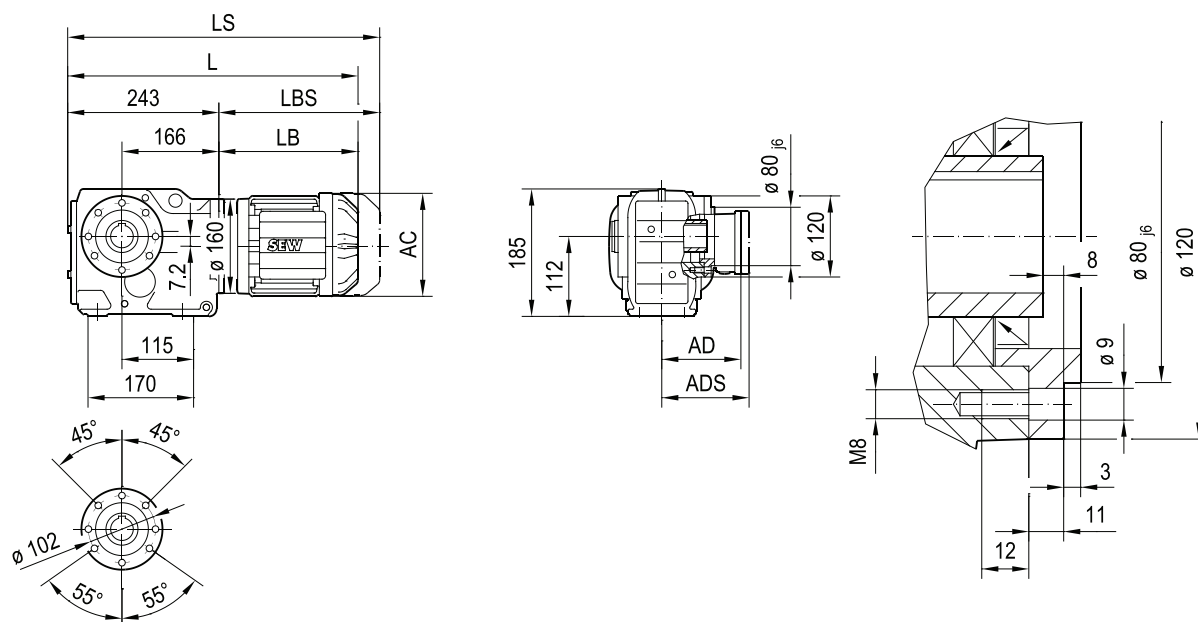
24832944/FR – 09/2018

| (→ 7.3) | DRN  |     |      |     |      |     |     |     |       |         |
|---------|------|-----|------|-----|------|-----|-----|-----|-------|---------|
|         | 63MS | 63M | 71MS | 71M | 80MK | 80M | 90S | 90L | 100LS | 100L/LM |
| AC      | 115  | 115 | 139  | 139 | 156  | 156 | 179 | 179 | 197   | 197     |
| AD      | 98   | 98  | 118  | 118 | 128  | 128 | 140 | 140 | 157   | 157     |
| ADS     | 98   | 98  | 129  | 129 | 139  | 139 | 150 | 150 | 158   | 158     |
| L       | 427  | 441 | 442  | 462 | 473  | 518 | 520 | 552 | 548   | 598     |
| LS      | 483  | 497 | 510  | 530 | 554  | 599 | 613 | 645 | 642   | 692     |
| LB      | 184  | 198 | 199  | 219 | 230  | 275 | 277 | 309 | 305   | 355     |
| LBS     | 240  | 254 | 267  | 287 | 311  | 356 | 370 | 402 | 399   | 449     |



**KAZ47..**

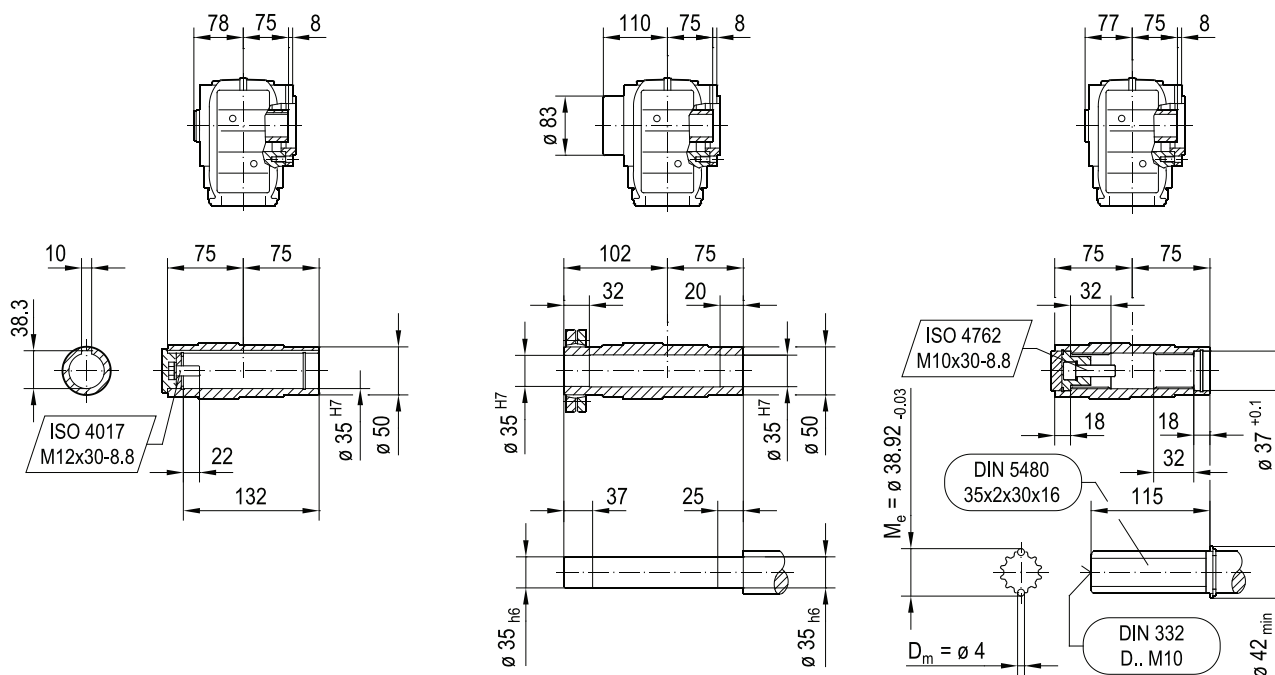
**33 045 00 14**



**KAZ47..**

## KHZ47...

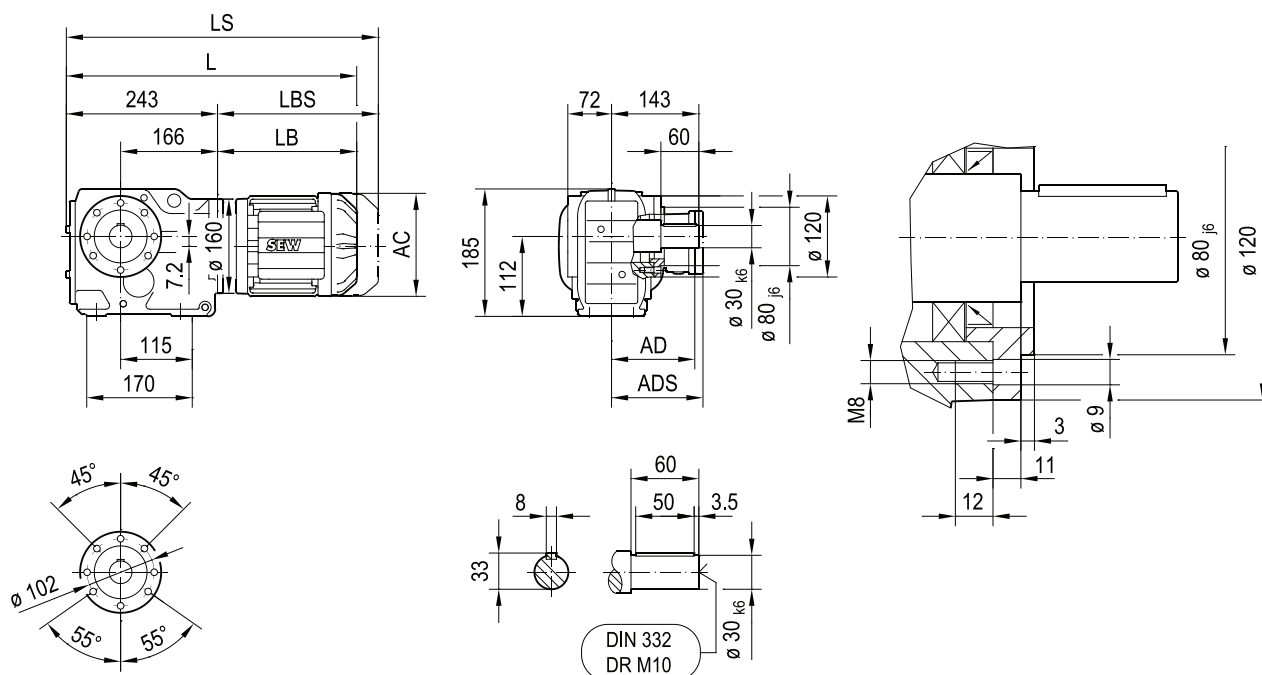
## KVZ47..



| (→ 🏠 7.3) | DRN  |     |      |     |      |     |     |     |       |         |
|-----------|------|-----|------|-----|------|-----|-----|-----|-------|---------|
|           | 63MS | 63M | 71MS | 71M | 80MK | 80M | 90S | 90L | 100LS | 100L/LM |
| AC        | 115  | 115 | 139  | 139 | 156  | 156 | 179 | 179 | 197   | 197     |
| AD        | 98   | 98  | 118  | 118 | 128  | 128 | 140 | 140 | 157   | 157     |
| ADS       | 98   | 98  | 129  | 129 | 139  | 139 | 150 | 150 | 158   | 158     |
| L         | 427  | 441 | 442  | 462 | 473  | 518 | 520 | 552 | 548   | 598     |
| LS        | 483  | 497 | 510  | 530 | 554  | 599 | 613 | 645 | 642   | 692     |
| LB        | 184  | 198 | 199  | 219 | 230  | 275 | 277 | 309 | 305   | 355     |
| LBS       | 240  | 254 | 267  | 287 | 311  | 356 | 370 | 402 | 399   | 449     |

### KZ47..

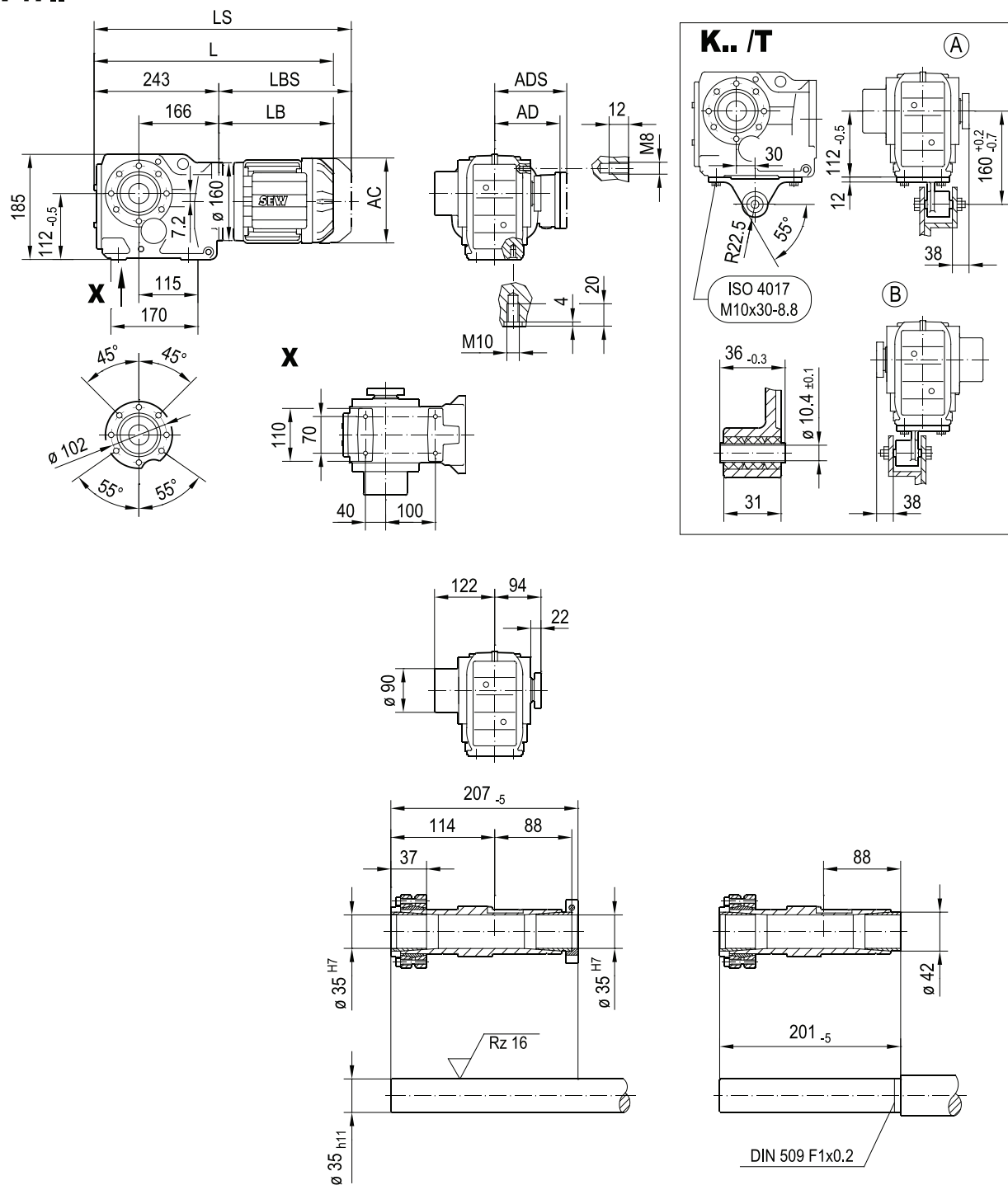
33 233 00 15



| (→ 7.3) | DRN  |     |      |     |      |     |     |     |       |         |
|---------|------|-----|------|-----|------|-----|-----|-----|-------|---------|
|         | 63MS | 63M | 71MS | 71M | 80MK | 80M | 90S | 90L | 100LS | 100L/LM |
| AC      | 115  | 115 | 139  | 139 | 156  | 156 | 179 | 179 | 197   | 197     |
| AD      | 98   | 98  | 118  | 118 | 128  | 128 | 140 | 140 | 157   | 157     |
| ADS     | 98   | 98  | 129  | 129 | 139  | 139 | 150 | 150 | 158   | 158     |
| L       | 427  | 441 | 442  | 462 | 473  | 518 | 520 | 552 | 548   | 598     |
| LS      | 483  | 497 | 510  | 530 | 554  | 599 | 613 | 645 | 642   | 692     |
| LB      | 184  | 198 | 199  | 219 | 230  | 275 | 277 | 309 | 305   | 355     |
| LBS     | 240  | 254 | 267  | 287 | 311  | 356 | 370 | 402 | 399   | 449     |

KT47..

33 046 01 14



10

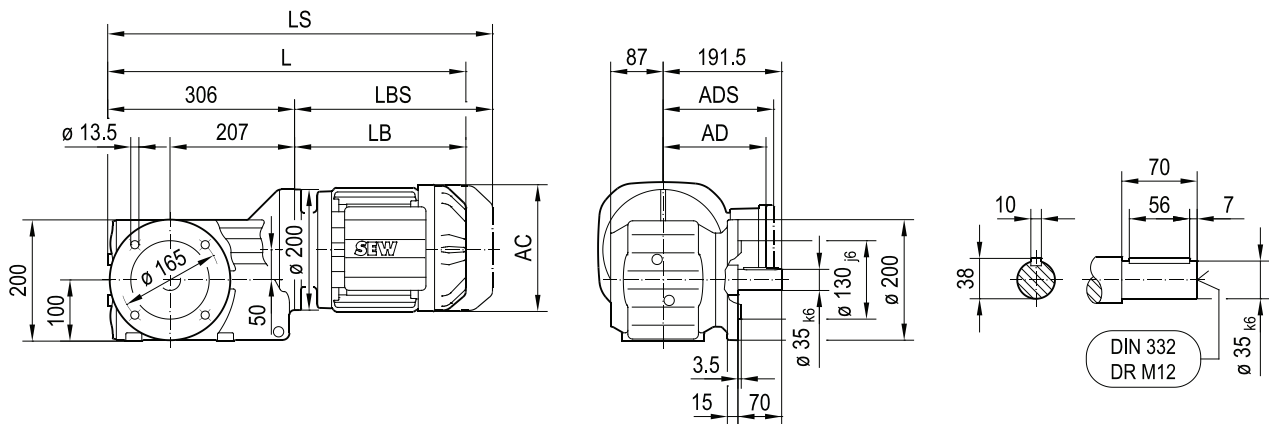
24832944/FR – 09/2018

| (→ 7.3) | DRN  |     |      |     |      |     |     |     |       |         |
|---------|------|-----|------|-----|------|-----|-----|-----|-------|---------|
|         | 63MS | 63M | 71MS | 71M | 80MK | 80M | 90S | 90L | 100LS | 100L/LM |
| AC      | 115  | 115 | 139  | 139 | 156  | 156 | 179 | 179 | 197   | 197     |
| AD      | 98   | 98  | 118  | 118 | 128  | 128 | 140 | 140 | 157   | 157     |
| ADS     | 98   | 98  | 129  | 129 | 139  | 139 | 150 | 150 | 158   | 158     |
| L       | 427  | 441 | 442  | 462 | 473  | 518 | 520 | 552 | 548   | 598     |
| LS      | 483  | 497 | 510  | 530 | 554  | 599 | 613 | 645 | 642   | 692     |
| LB      | 184  | 198 | 199  | 219 | 230  | 275 | 277 | 309 | 305   | 355     |
| LBS     | 240  | 254 | 267  | 287 | 311  | 356 | 370 | 402 | 399   | 449     |

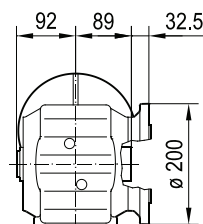
SEW  
USOCOM

33 026 02 14

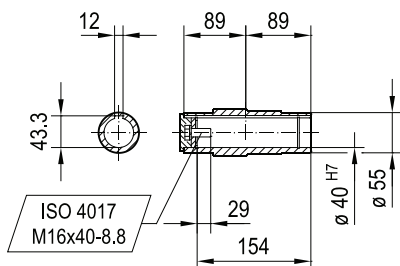
**KF49..**



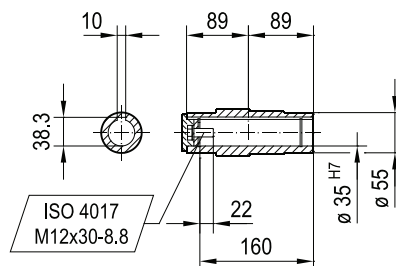
**KAF49..**



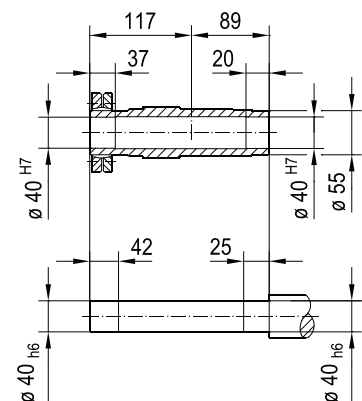
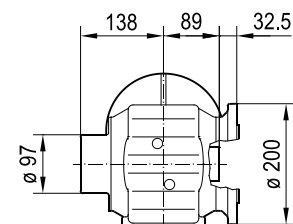
$\phi 40$  H7



$\phi 35$  H7



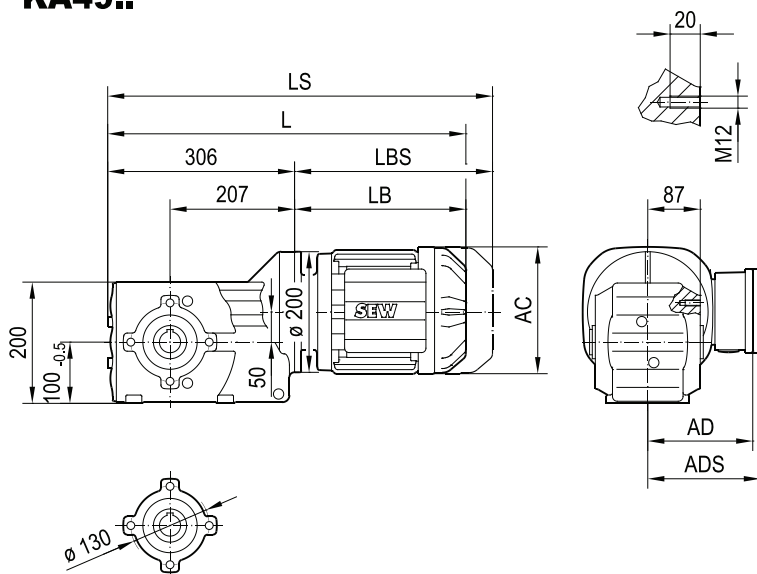
**KHF49..**



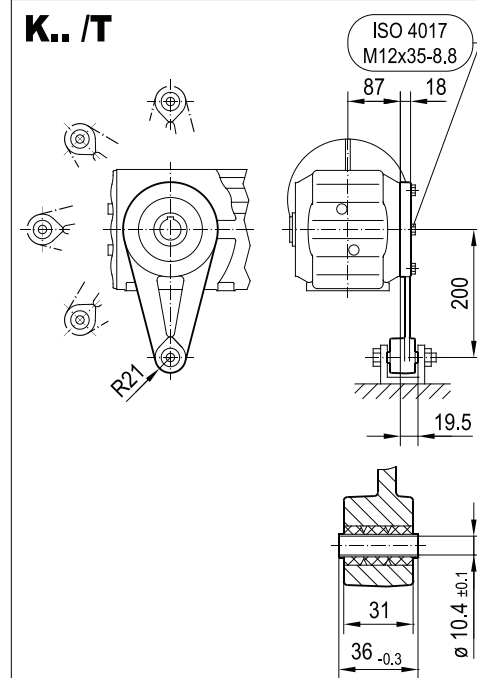
24832944/FR - 09/2018

| (→ 7.3) | DRN  |     |      |     |     |     |       |         |      |      |      |
|---------|------|-----|------|-----|-----|-----|-------|---------|------|------|------|
|         | 71MS | 71M | 80MK | 80M | 90S | 90L | 100LS | 100L/LM | 112M | 132S | 132M |
| AC      | 139  | 139 | 156  | 156 | 179 | 179 | 197   | 197     | 221  | 221  | 261  |
| AD      | 118  | 118 | 128  | 128 | 140 | 140 | 157   | 157     | 170  | 170  | 228  |
| ADS     | 129  | 129 | 139  | 139 | 150 | 150 | 158   | 158     | 172  | 172  | 228  |
| L       | 498  | 518 | 529  | 574 | 576 | 608 | 604   | 654     | 685  | 735  | 753  |
| LS      | 566  | 586 | 610  | 655 | 669 | 701 | 698   | 748     | 797  | 847  | 891  |
| LB      | 192  | 212 | 223  | 268 | 270 | 302 | 298   | 348     | 379  | 429  | 447  |
| LBS     | 260  | 280 | 304  | 349 | 363 | 395 | 392   | 442     | 491  | 541  | 585  |

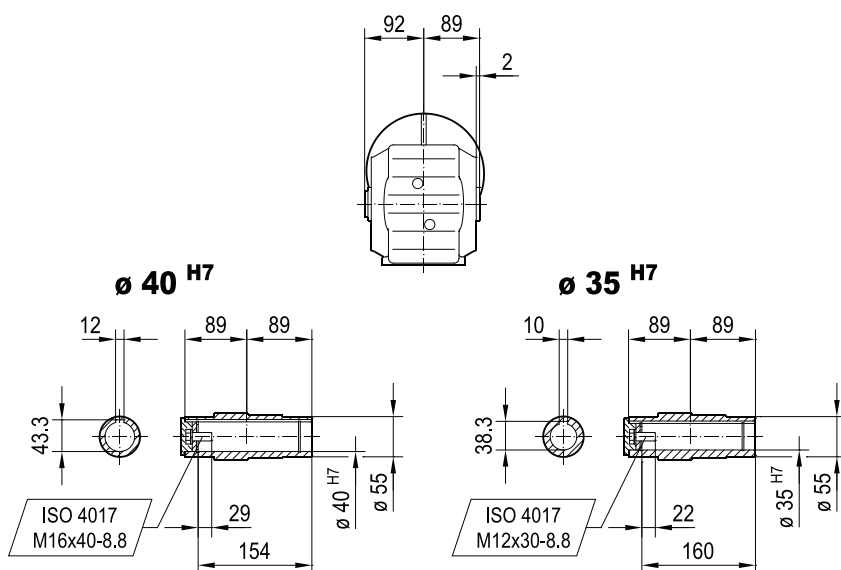
## KA49..



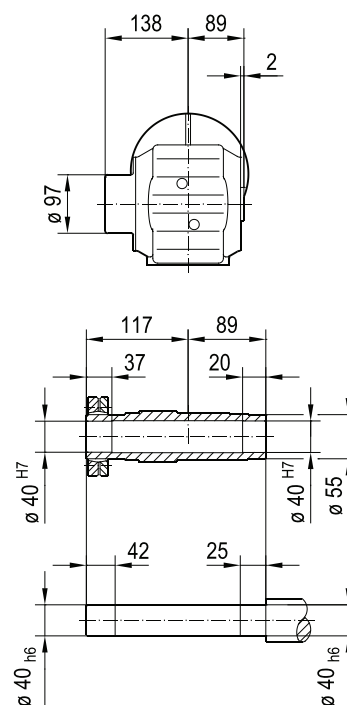
33 027 02 14



## KA49..



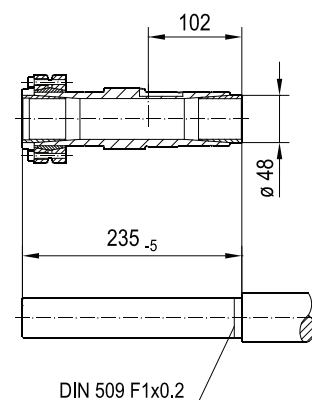
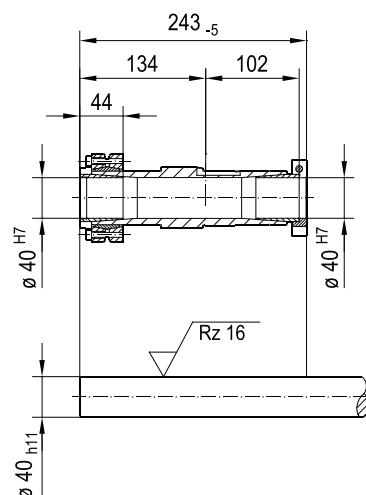
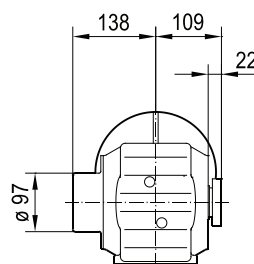
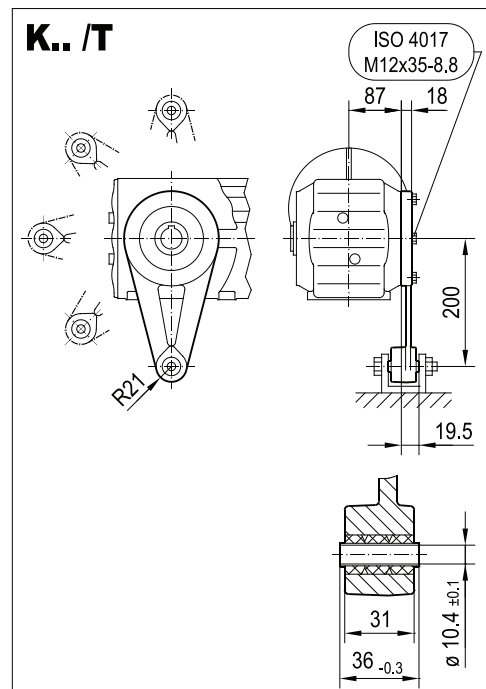
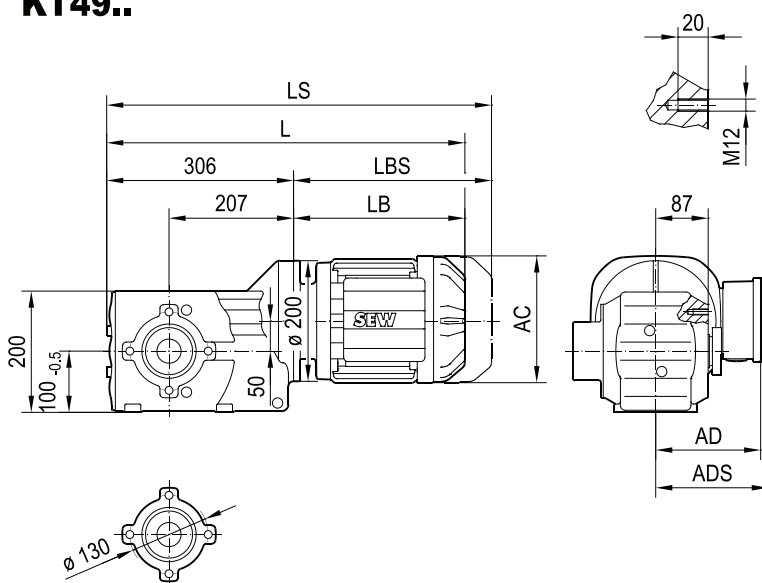
## KH49..



| (→ 7.3) | DRN  |     |      |     |     |     |       |         |      |      |      |
|---------|------|-----|------|-----|-----|-----|-------|---------|------|------|------|
|         | 71MS | 71M | 80MK | 80M | 90S | 90L | 100LS | 100L/LM | 112M | 132S | 132M |
| AC      | 139  | 139 | 156  | 156 | 179 | 179 | 197   | 197     | 221  | 221  | 261  |
| AD      | 118  | 118 | 128  | 128 | 140 | 140 | 157   | 157     | 170  | 170  | 228  |
| ADS     | 129  | 129 | 139  | 139 | 150 | 150 | 158   | 158     | 172  | 172  | 228  |
| L       | 498  | 518 | 529  | 574 | 576 | 608 | 604   | 654     | 685  | 735  | 753  |
| LS      | 566  | 586 | 610  | 655 | 669 | 701 | 698   | 748     | 797  | 847  | 891  |
| LB      | 192  | 212 | 223  | 268 | 270 | 302 | 298   | 348     | 379  | 429  | 447  |
| LBS     | 260  | 280 | 304  | 349 | 363 | 395 | 392   | 442     | 491  | 541  | 585  |

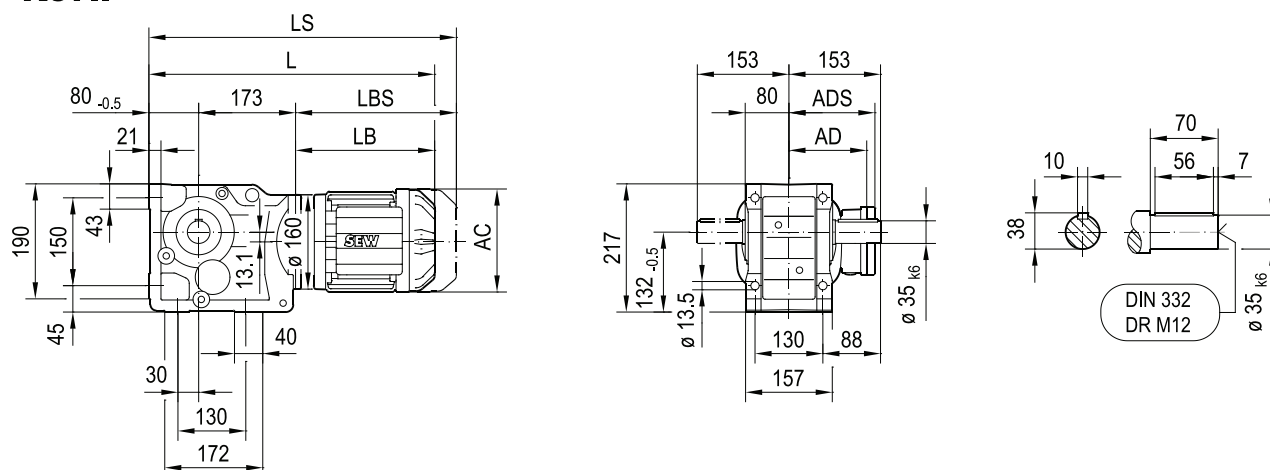
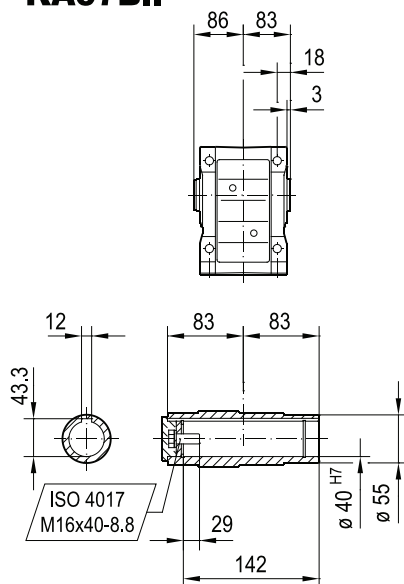
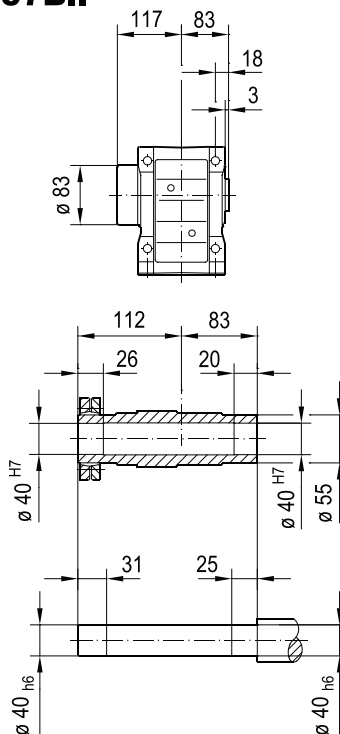
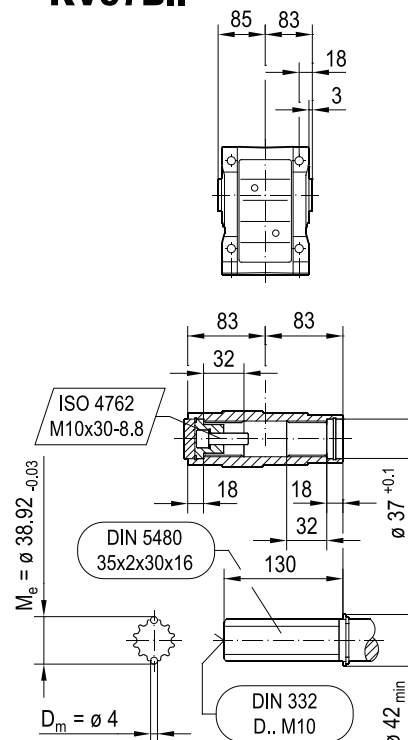
KT49..

33 028 01 14



| (→ 7.3) | DRN  |     |      |     |     |     |       |         |      |      |      |
|---------|------|-----|------|-----|-----|-----|-------|---------|------|------|------|
|         | 71MS | 71M | 80MK | 80M | 90S | 90L | 100LS | 100L/LM | 112M | 132S | 132M |
| AC      | 139  | 139 | 156  | 156 | 179 | 179 | 197   | 197     | 221  | 221  | 261  |
| AD      | 118  | 118 | 128  | 128 | 140 | 140 | 157   | 157     | 170  | 170  | 228  |
| ADS     | 129  | 129 | 139  | 139 | 150 | 150 | 158   | 158     | 172  | 172  | 228  |
| L       | 498  | 518 | 529  | 574 | 576 | 608 | 604   | 654     | 685  | 735  | 753  |
| LS      | 566  | 586 | 610  | 655 | 669 | 701 | 698   | 748     | 797  | 847  | 891  |
| LB      | 192  | 212 | 223  | 268 | 270 | 302 | 298   | 348     | 379  | 429  | 447  |
| LBS     | 260  | 280 | 304  | 349 | 363 | 395 | 392   | 442     | 491  | 541  | 585  |

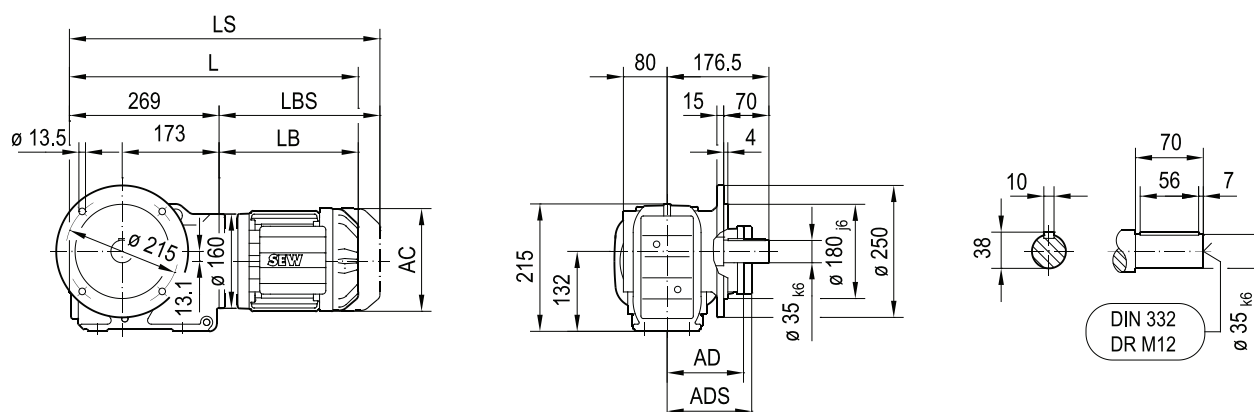
33 047 00 14

**K57..****KA57B..****KH57B..****KV57B..**

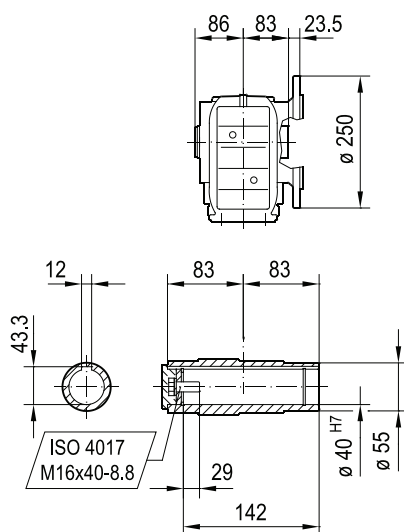
| (→ 7.3) | DRN  |     |      |     |      |     |     |     |       |         |      |
|---------|------|-----|------|-----|------|-----|-----|-----|-------|---------|------|
|         | 63MS | 63M | 71MS | 71M | 80MK | 80M | 90S | 90L | 100LS | 100L/LM | 112M |
| AC      | 115  | 115 | 139  | 139 | 156  | 156 | 179 | 179 | 197   | 197     | 221  |
| AD      | 98   | 98  | 118  | 118 | 128  | 128 | 140 | 140 | 157   | 157     | 170  |
| ADS     | 98   | 98  | 129  | 129 | 139  | 139 | 150 | 150 | 158   | 158     | 172  |
| L       | 437  | 451 | 452  | 472 | 483  | 528 | 530 | 562 | 558   | 608     | 639  |
| LS      | 493  | 507 | 520  | 540 | 564  | 609 | 623 | 655 | 652   | 702     | 751  |
| LB      | 184  | 198 | 199  | 219 | 230  | 275 | 277 | 309 | 305   | 355     | 386  |
| LBS     | 240  | 254 | 267  | 287 | 311  | 356 | 370 | 402 | 399   | 449     | 498  |

**KF57..**

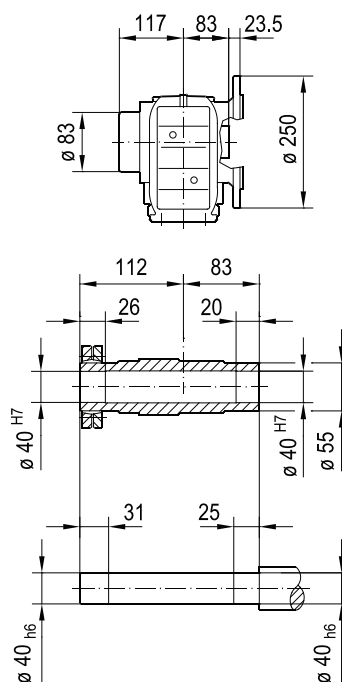
33 048 00 14



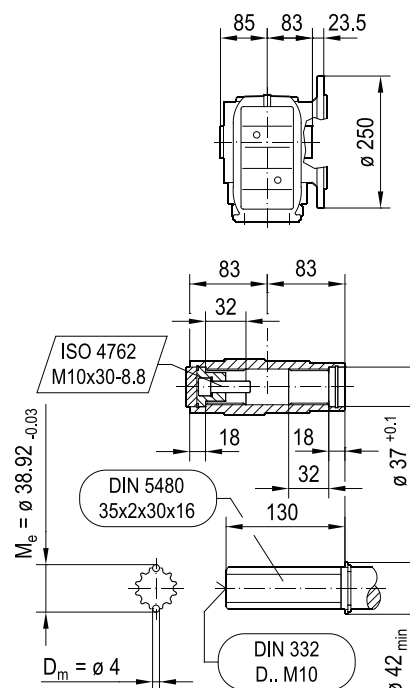
## KAF57..



# KHF57...



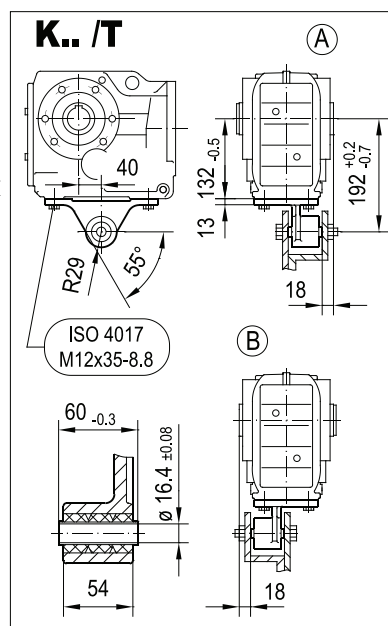
**KVF57..**



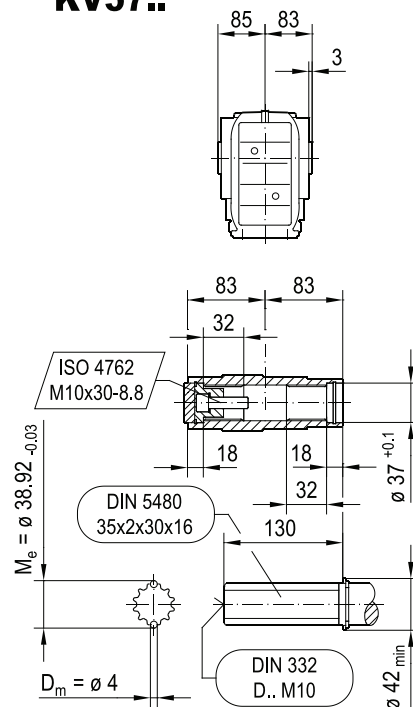
24832944/FR – 09/2018

| (→ 📖 7.3) | DRN  |     |      |     |      |     |     |     |       |         |      |
|-----------|------|-----|------|-----|------|-----|-----|-----|-------|---------|------|
|           | 63MS | 63M | 71MS | 71M | 80MK | 80M | 90S | 90L | 100LS | 100L/LM | 112M |
| AC        | 115  | 115 | 139  | 139 | 156  | 156 | 179 | 179 | 197   | 197     | 221  |
| AD        | 98   | 98  | 118  | 118 | 128  | 128 | 140 | 140 | 157   | 157     | 170  |
| ADS       | 98   | 98  | 129  | 129 | 139  | 139 | 150 | 150 | 158   | 158     | 172  |
| L         | 453  | 467 | 468  | 488 | 499  | 544 | 546 | 578 | 574   | 624     | 655  |
| LS        | 509  | 523 | 536  | 556 | 580  | 625 | 639 | 671 | 668   | 718     | 767  |
| LB        | 184  | 198 | 199  | 219 | 230  | 275 | 277 | 309 | 305   | 355     | 386  |
| LBS       | 240  | 254 | 267  | 287 | 311  | 356 | 370 | 402 | 399   | 449     | 498  |

## KA57..



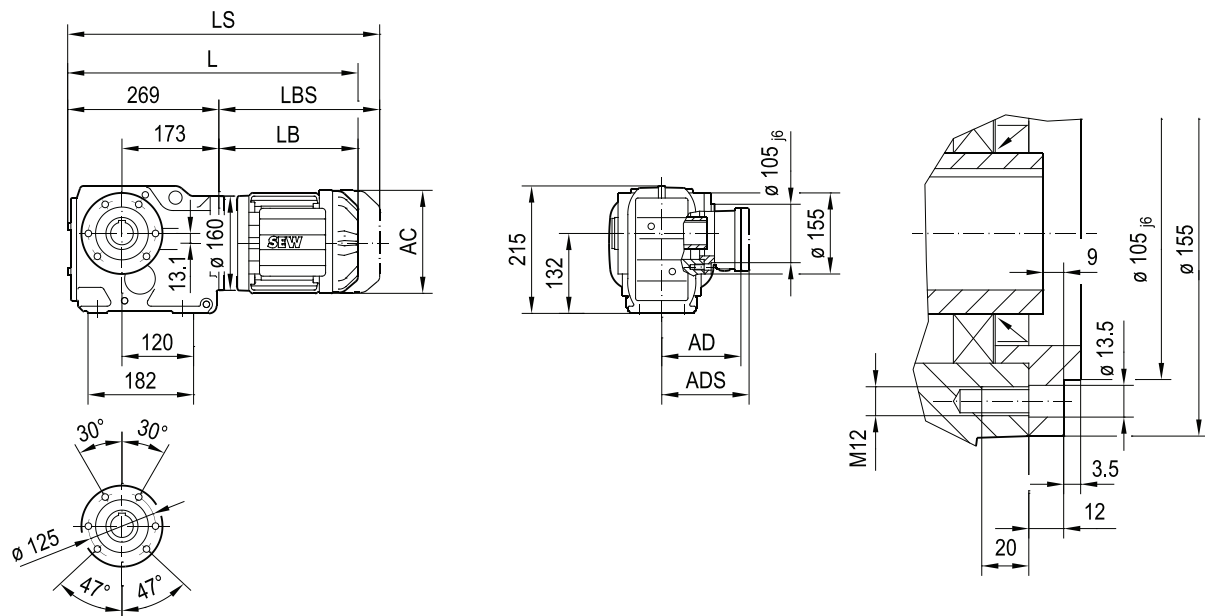
## KV57..



| (→ 📖 7.3) | DRN  |     |      |     |      |     |     |     |       |         |      |
|-----------|------|-----|------|-----|------|-----|-----|-----|-------|---------|------|
|           | 63MS | 63M | 71MS | 71M | 80MK | 80M | 90S | 90L | 100LS | 100L/LM | 112M |
| AC        | 115  | 115 | 139  | 139 | 156  | 156 | 179 | 179 | 197   | 197     | 221  |
| AD        | 98   | 98  | 118  | 118 | 128  | 128 | 140 | 140 | 157   | 157     | 170  |
| ADS       | 98   | 98  | 129  | 129 | 139  | 139 | 150 | 150 | 158   | 158     | 172  |
| L         | 453  | 467 | 468  | 488 | 499  | 544 | 546 | 578 | 574   | 624     | 655  |
| LS        | 509  | 523 | 536  | 556 | 580  | 625 | 639 | 671 | 668   | 718     | 767  |
| LB        | 184  | 198 | 199  | 219 | 230  | 275 | 277 | 309 | 305   | 355     | 386  |
| LBS       | 240  | 254 | 267  | 287 | 311  | 356 | 370 | 402 | 399   | 449     | 498  |

**KAZ57..**

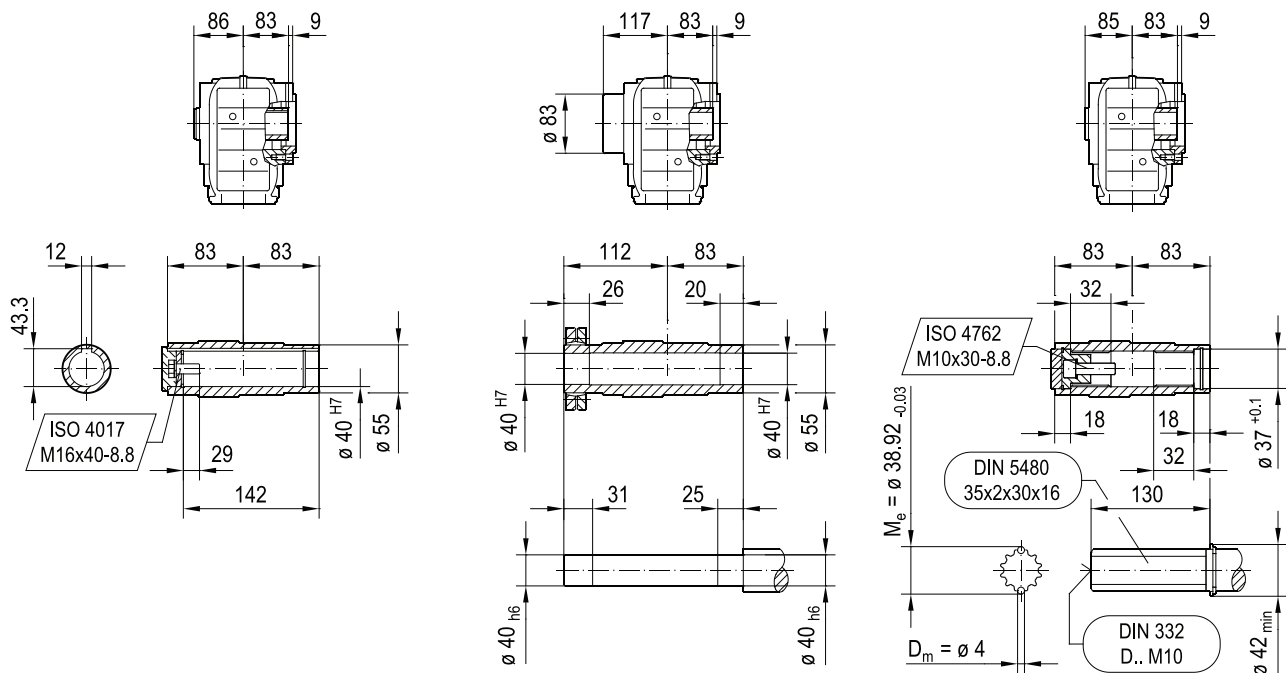
33 050 00 14



**KAZ57..**

**KHZ57..**

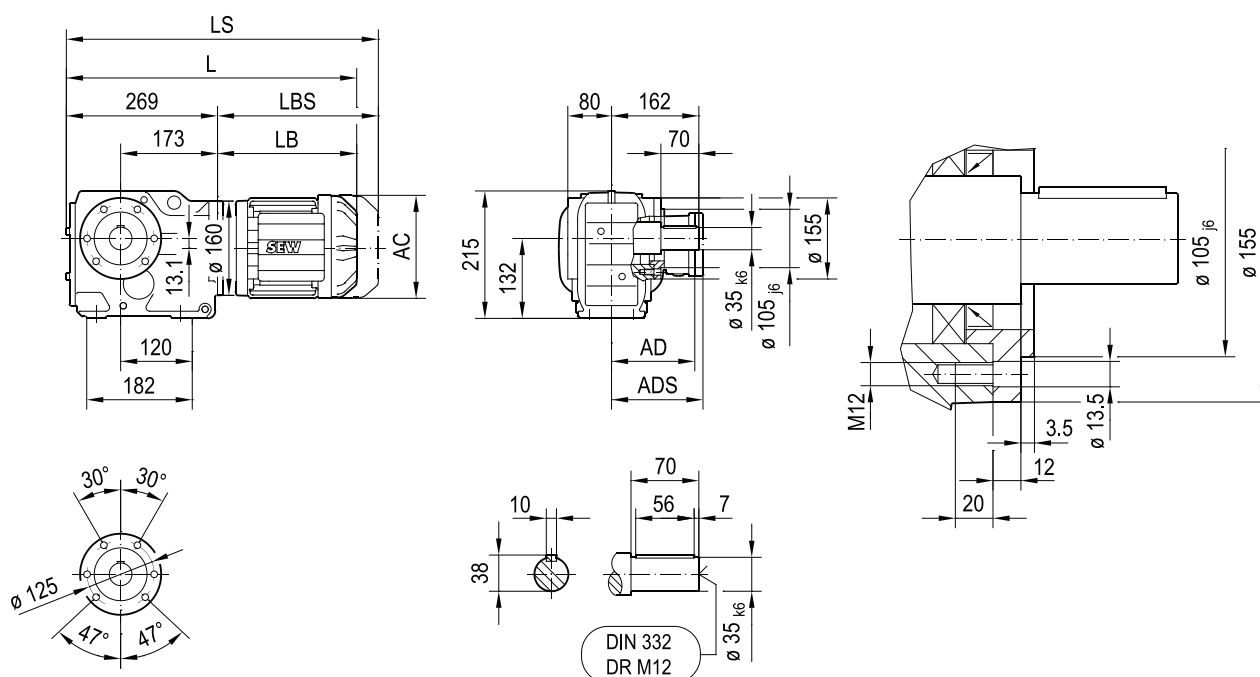
**KVZ57..**



| (→ 7.3) | DRN  |     |      |     |      |     |     |     |       |         |      |
|---------|------|-----|------|-----|------|-----|-----|-----|-------|---------|------|
|         | 63MS | 63M | 71MS | 71M | 80MK | 80M | 90S | 90L | 100LS | 100L/LM | 112M |
| AC      | 115  | 115 | 139  | 139 | 156  | 156 | 179 | 179 | 197   | 197     | 221  |
| AD      | 98   | 98  | 118  | 118 | 128  | 128 | 140 | 140 | 157   | 157     | 170  |
| ADS     | 98   | 98  | 129  | 129 | 139  | 139 | 150 | 150 | 158   | 158     | 172  |
| L       | 453  | 467 | 468  | 488 | 499  | 544 | 546 | 578 | 574   | 624     | 655  |
| LS      | 509  | 523 | 536  | 556 | 580  | 625 | 639 | 671 | 668   | 718     | 767  |
| LB      | 184  | 198 | 199  | 219 | 230  | 275 | 277 | 309 | 305   | 355     | 386  |
| LBS     | 240  | 254 | 267  | 287 | 311  | 356 | 370 | 402 | 399   | 449     | 498  |

## KZ57..

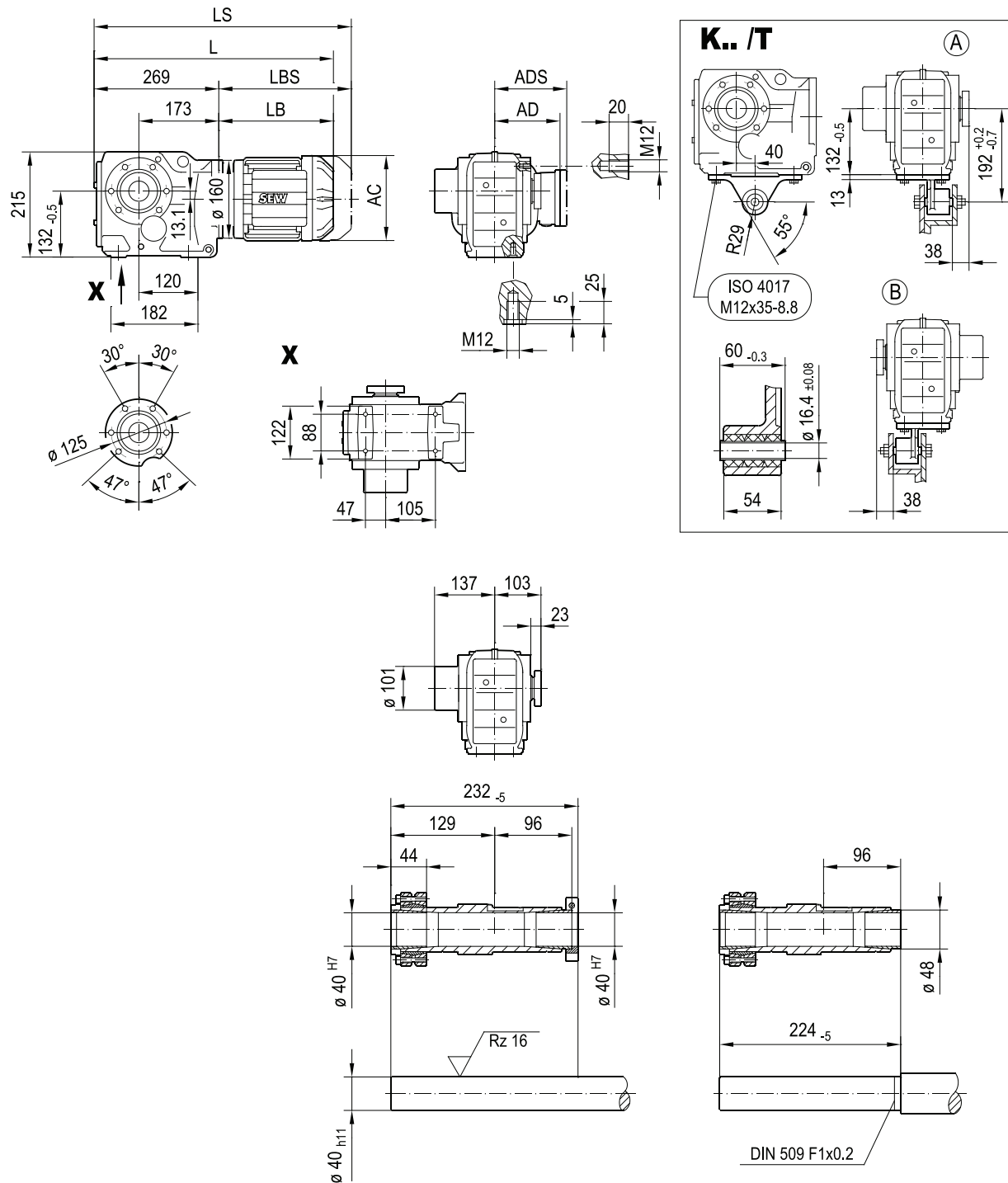
33 234 01 15



| (→ 7.3) | DRN  |     |      |     |      |     |     |     |       |         |      |
|---------|------|-----|------|-----|------|-----|-----|-----|-------|---------|------|
|         | 63MS | 63M | 71MS | 71M | 80MK | 80M | 90S | 90L | 100LS | 100L/LM | 112M |
| AC      | 115  | 115 | 139  | 139 | 156  | 156 | 179 | 179 | 197   | 197     | 221  |
| AD      | 98   | 98  | 118  | 118 | 128  | 128 | 140 | 140 | 157   | 157     | 170  |
| ADS     | 98   | 98  | 129  | 129 | 139  | 139 | 150 | 150 | 158   | 158     | 172  |
| L       | 453  | 467 | 468  | 488 | 499  | 544 | 546 | 578 | 574   | 624     | 655  |
| LS      | 509  | 523 | 536  | 556 | 580  | 625 | 639 | 671 | 668   | 718     | 767  |
| LB      | 184  | 198 | 199  | 219 | 230  | 275 | 277 | 309 | 305   | 355     | 386  |
| LBS     | 240  | 254 | 267  | 287 | 311  | 356 | 370 | 402 | 399   | 449     | 498  |

KT57..

33 051 01 14

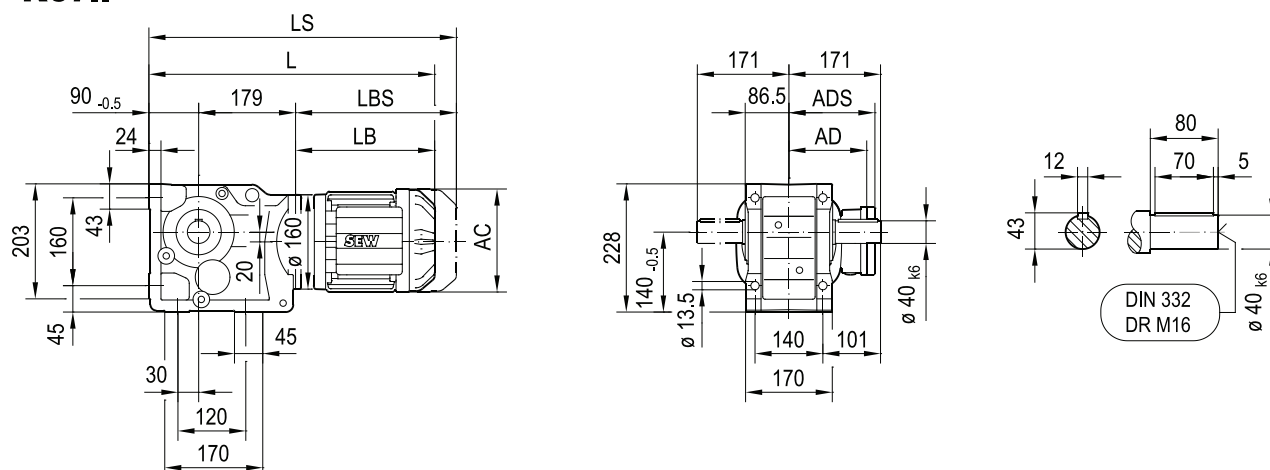
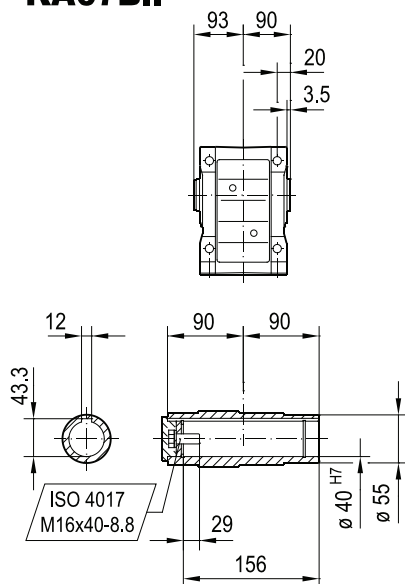
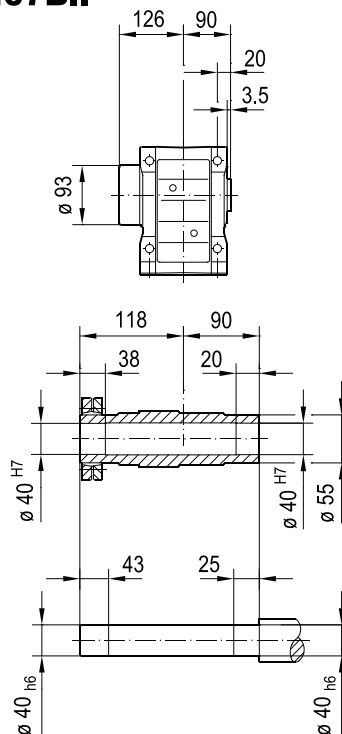
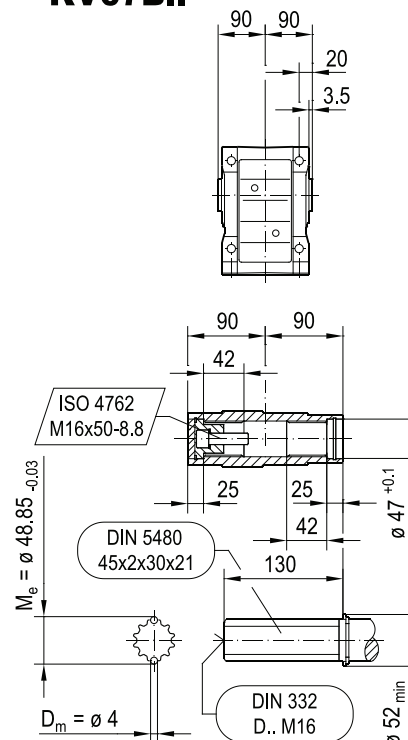


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| (→ 7.3) | DRN  |     |      |     |      |     |     |     |       |         |      |
|---------|------|-----|------|-----|------|-----|-----|-----|-------|---------|------|
|         | 63MS | 63M | 71MS | 71M | 80MK | 80M | 90S | 90L | 100LS | 100L/LM | 112M |
| AC      | 115  | 115 | 139  | 139 | 156  | 156 | 179 | 179 | 197   | 197     | 221  |
| AD      | 98   | 98  | 118  | 118 | 128  | 128 | 140 | 140 | 157   | 157     | 170  |
| ADS     | 98   | 98  | 129  | 129 | 139  | 139 | 150 | 150 | 158   | 158     | 172  |
| L       | 453  | 467 | 468  | 488 | 499  | 544 | 546 | 578 | 574   | 624     | 655  |
| LS      | 509  | 523 | 536  | 556 | 580  | 625 | 639 | 671 | 668   | 718     | 767  |
| LB      | 184  | 198 | 199  | 219 | 230  | 275 | 277 | 309 | 305   | 355     | 386  |
| LBS     | 240  | 254 | 267  | 287 | 311  | 356 | 370 | 402 | 399   | 449     | 498  |

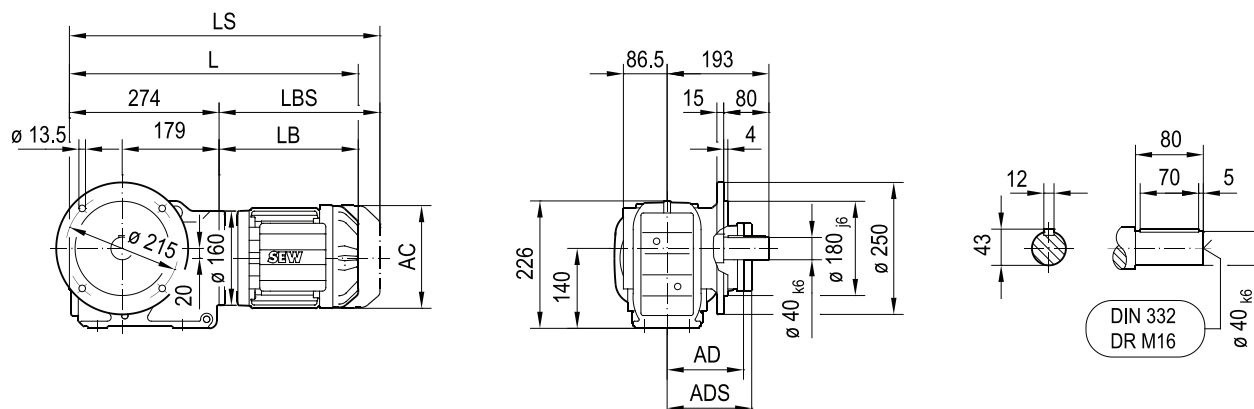
33 052 00 14

**K67..****KA67B..****KH67B..****KV67B..**

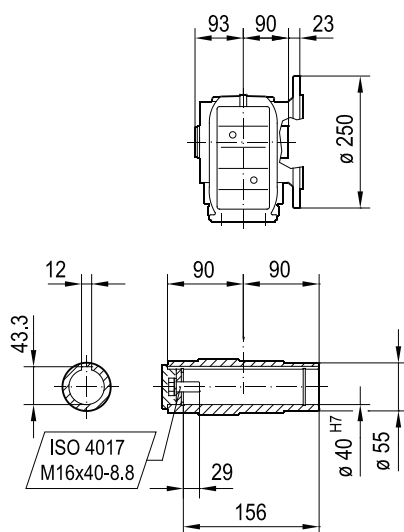
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|---------|-----|------|-----|------|-----|-----|-----|-------|---------|------|------|
|         | 63M | 71MS | 71M | 80MK | 80M | 90S | 90L | 100LS | 100L/LM | 112M | 132S |
| AC      | 115 | 139  | 139 | 156  | 156 | 179 | 179 | 197   | 197     | 221  | 221  |
| AD      | 98  | 118  | 118 | 128  | 128 | 140 | 140 | 157   | 157     | 170  | 170  |
| ADS     | 98  | 129  | 129 | 139  | 139 | 150 | 150 | 158   | 158     | 172  | 172  |
| L       | 467 | 468  | 488 | 499  | 544 | 546 | 578 | 574   | 624     | 655  | 709  |
| LS      | 523 | 536  | 556 | 580  | 625 | 639 | 671 | 668   | 718     | 767  | 821  |
| LB      | 198 | 199  | 219 | 230  | 275 | 277 | 309 | 305   | 355     | 386  | 440  |
| LBS     | 254 | 267  | 287 | 311  | 356 | 370 | 402 | 399   | 449     | 498  | 552  |

**KF67..**

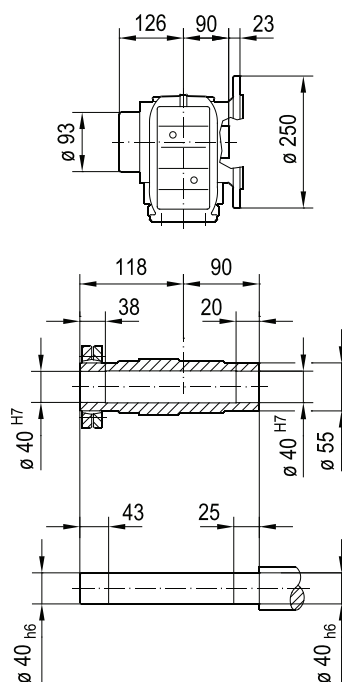
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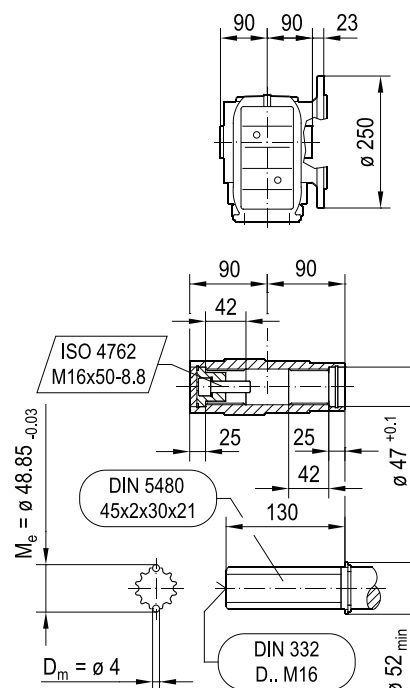
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# KHF67...



**KVF67..**

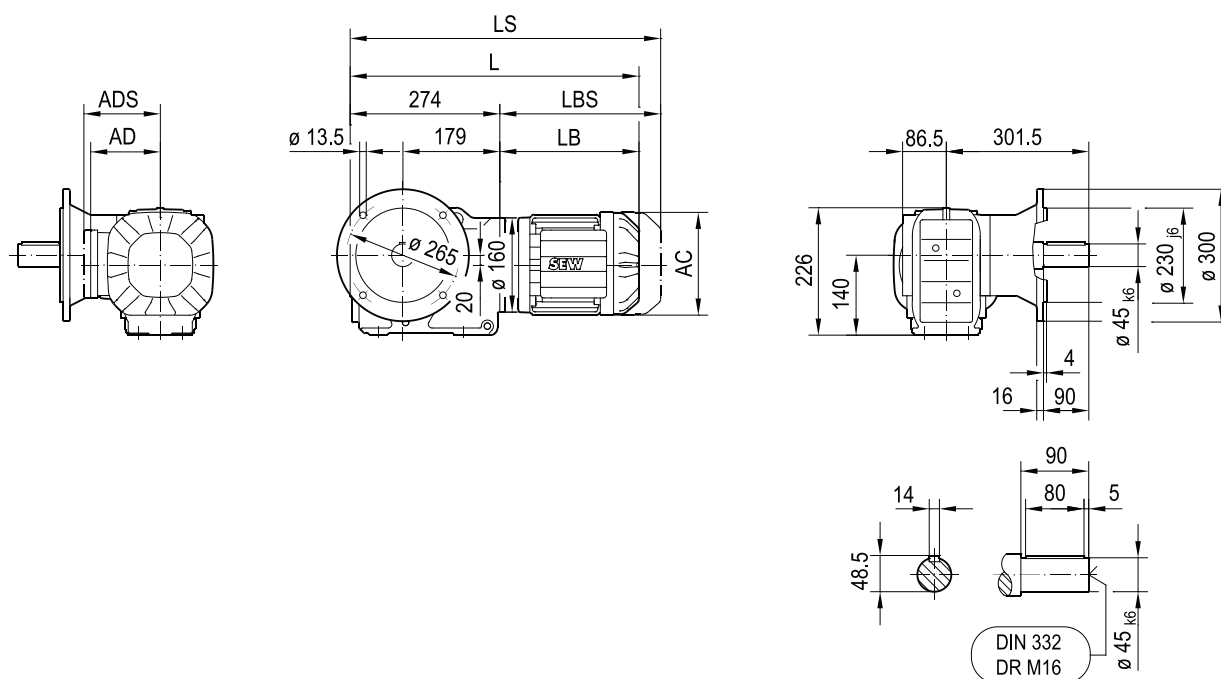


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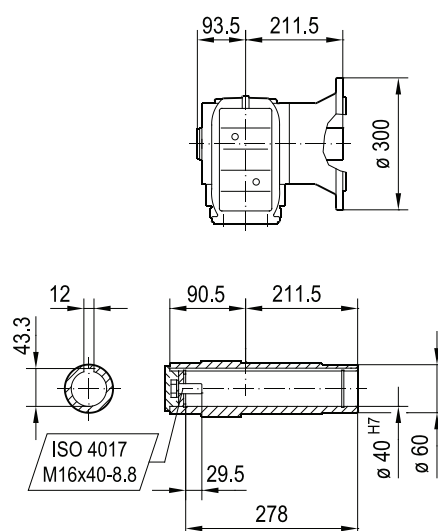
| (→ 📖 7.3) | DRN |      |     |      |     |     |     |       |         |      |      |
|-----------|-----|------|-----|------|-----|-----|-----|-------|---------|------|------|
|           | 63M | 71MS | 71M | 80MK | 80M | 90S | 90L | 100LS | 100L/LM | 112M | 132S |
| AC        | 115 | 139  | 139 | 156  | 156 | 179 | 179 | 197   | 197     | 221  | 221  |
| AD        | 98  | 118  | 118 | 128  | 128 | 140 | 140 | 157   | 157     | 170  | 170  |
| ADS       | 98  | 129  | 129 | 139  | 139 | 150 | 150 | 158   | 158     | 172  | 172  |
| L         | 472 | 473  | 493 | 504  | 549 | 551 | 583 | 579   | 629     | 660  | 714  |
| LS        | 528 | 541  | 561 | 585  | 630 | 644 | 676 | 673   | 723     | 772  | 826  |
| LB        | 198 | 199  | 219 | 230  | 275 | 277 | 309 | 305   | 355     | 386  | 440  |
| LBS       | 254 | 267  | 287 | 311  | 356 | 370 | 402 | 399   | 449     | 498  | 552  |

## KM67..

33 270 00 17



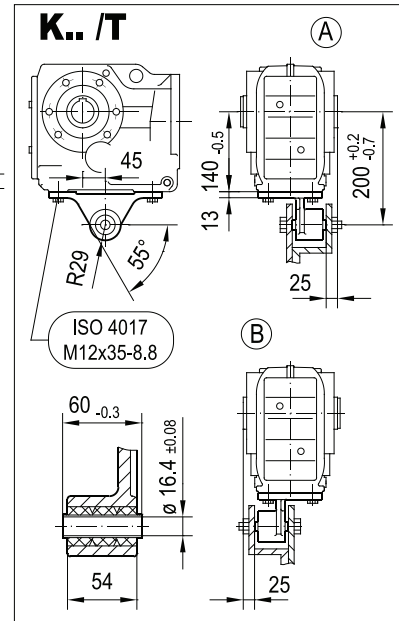
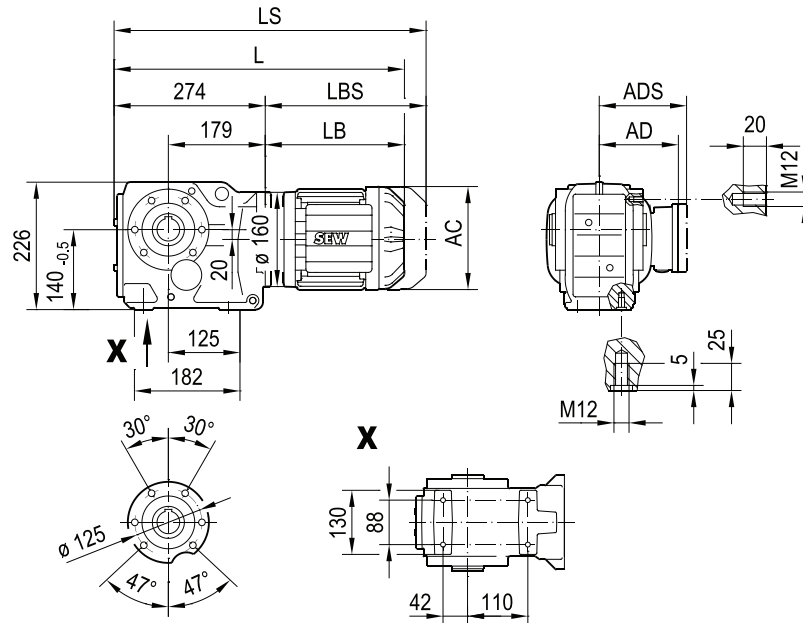
## KAM67..



| (→ 7.3) | DRN |      |     |      |     |     |     |       |         |      |      |
|---------|-----|------|-----|------|-----|-----|-----|-------|---------|------|------|
|         | 63M | 71MS | 71M | 80MK | 80M | 90S | 90L | 100LS | 100L/LM | 112M | 132S |
| AC      | 115 | 139  | 139 | 156  | 156 | 179 | 179 | 197   | 197     | 221  | 221  |
| AD      | 98  | 118  | 118 | 128  | 128 | 140 | 140 | 157   | 157     | 170  | 170  |
| ADS     | 98  | 129  | 129 | 139  | 139 | 150 | 150 | 158   | 158     | 172  | 172  |
| L       | 472 | 473  | 493 | 504  | 549 | 551 | 583 | 579   | 629     | 660  | 714  |
| LS      | 528 | 541  | 561 | 585  | 630 | 644 | 676 | 673   | 723     | 772  | 826  |
| LB      | 198 | 199  | 219 | 230  | 275 | 277 | 309 | 305   | 355     | 386  | 440  |
| LBS     | 254 | 267  | 287 | 311  | 356 | 370 | 402 | 399   | 449     | 498  | 552  |

KA67..

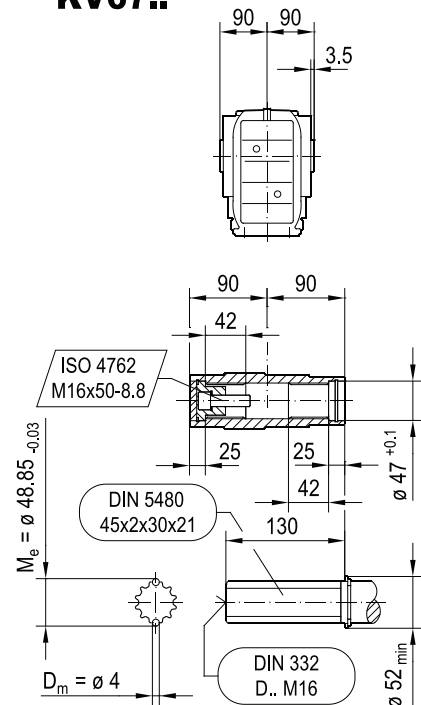
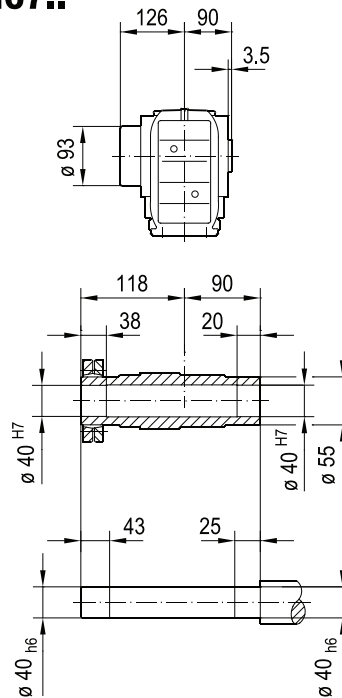
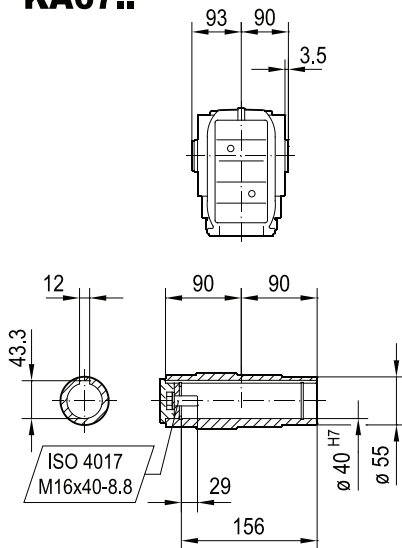
33 054 00 14



KA67..

KH67..

KV67..

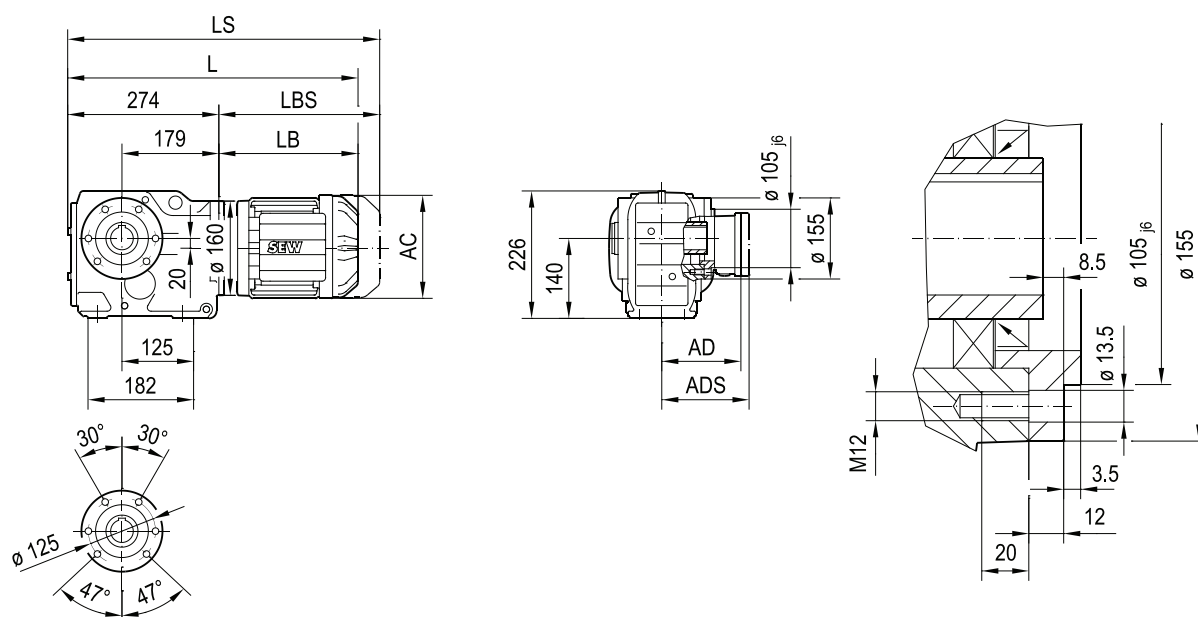
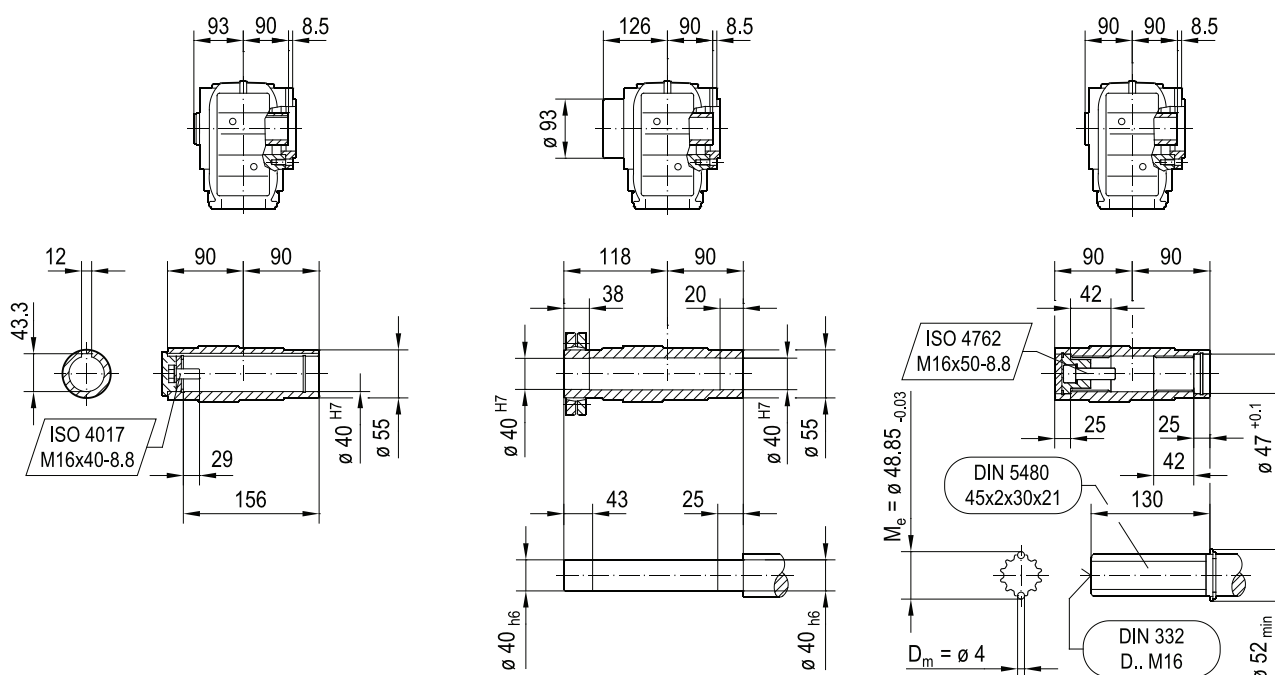


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| <div> <div> <div></div> <div>7.3</div> </div> </div> | DRN |      |     |      |     |     |     |       |         |      |      |
|------------------------------------------------------|-----|------|-----|------|-----|-----|-----|-------|---------|------|------|
|                                                      | 63M | 71MS | 71M | 80MK | 80M | 90S | 90L | 100LS | 100L/LM | 112M | 132S |
| AC                                                   | 115 | 139  | 139 | 156  | 156 | 179 | 179 | 197   | 197     | 221  | 221  |
| AD                                                   | 98  | 118  | 118 | 128  | 128 | 140 | 140 | 157   | 157     | 170  | 170  |
| ADS                                                  | 98  | 129  | 129 | 139  | 139 | 150 | 150 | 158   | 158     | 172  | 172  |
| L                                                    | 472 | 473  | 493 | 504  | 549 | 551 | 583 | 579   | 629     | 660  | 714  |
| LS                                                   | 528 | 541  | 561 | 585  | 630 | 644 | 676 | 673   | 723     | 772  | 826  |
| LB                                                   | 198 | 199  | 219 | 230  | 275 | 277 | 309 | 305   | 355     | 386  | 440  |
| LBS                                                  | 254 | 267  | 287 | 311  | 356 | 370 | 402 | 399   | 449     | 498  | 552  |

**KAZ67..**

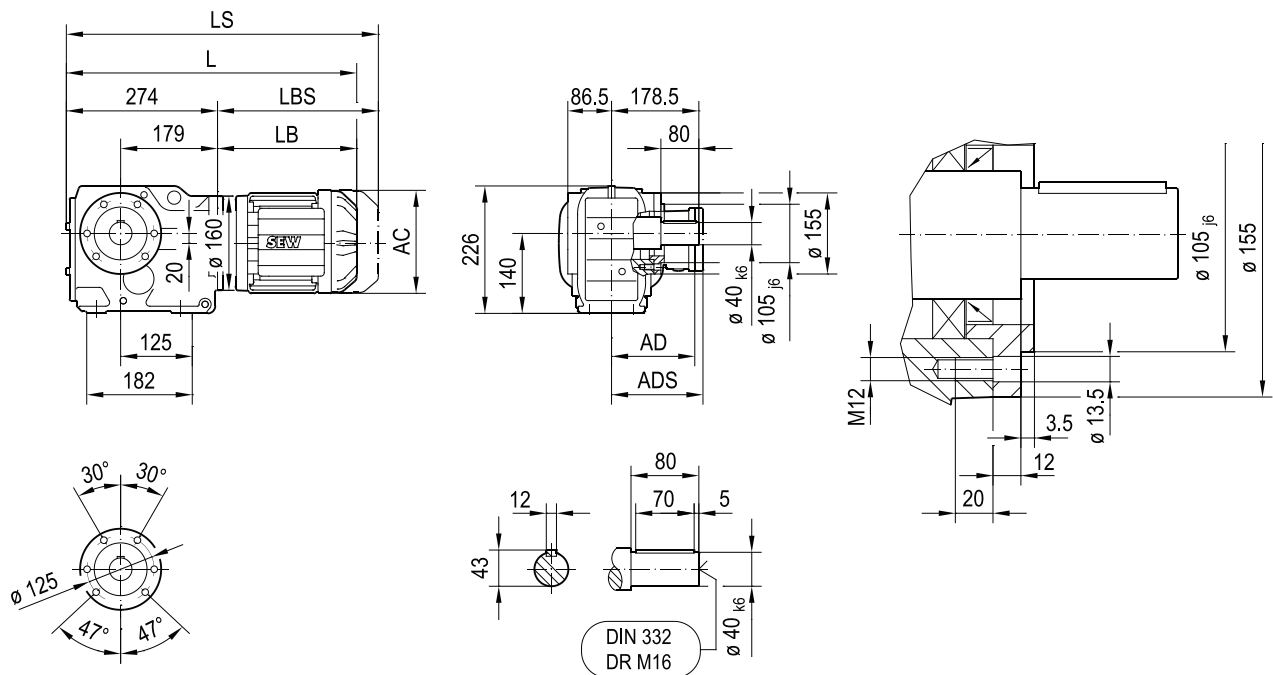
33 055 00 14

**KAZ67..****KHZ67..****KVZ67..**

| (→ 7.3) | DRN |      |     |      |     |     |     |       |         |      |      |
|---------|-----|------|-----|------|-----|-----|-----|-------|---------|------|------|
|         | 63M | 71MS | 71M | 80MK | 80M | 90S | 90L | 100LS | 100L/LM | 112M | 132S |
| AC      | 115 | 139  | 139 | 156  | 156 | 179 | 179 | 197   | 197     | 221  | 221  |
| AD      | 98  | 118  | 118 | 128  | 128 | 140 | 140 | 157   | 157     | 170  | 170  |
| ADS     | 98  | 129  | 129 | 139  | 139 | 150 | 150 | 158   | 158     | 172  | 172  |
| L       | 472 | 473  | 493 | 504  | 549 | 551 | 583 | 579   | 629     | 660  | 714  |
| LS      | 528 | 541  | 561 | 585  | 630 | 644 | 676 | 673   | 723     | 772  | 826  |
| LB      | 198 | 199  | 219 | 230  | 275 | 277 | 309 | 305   | 355     | 386  | 440  |
| LBS     | 254 | 267  | 287 | 311  | 356 | 370 | 402 | 399   | 449     | 498  | 552  |

**KZ67..**

**33 235 00 15**



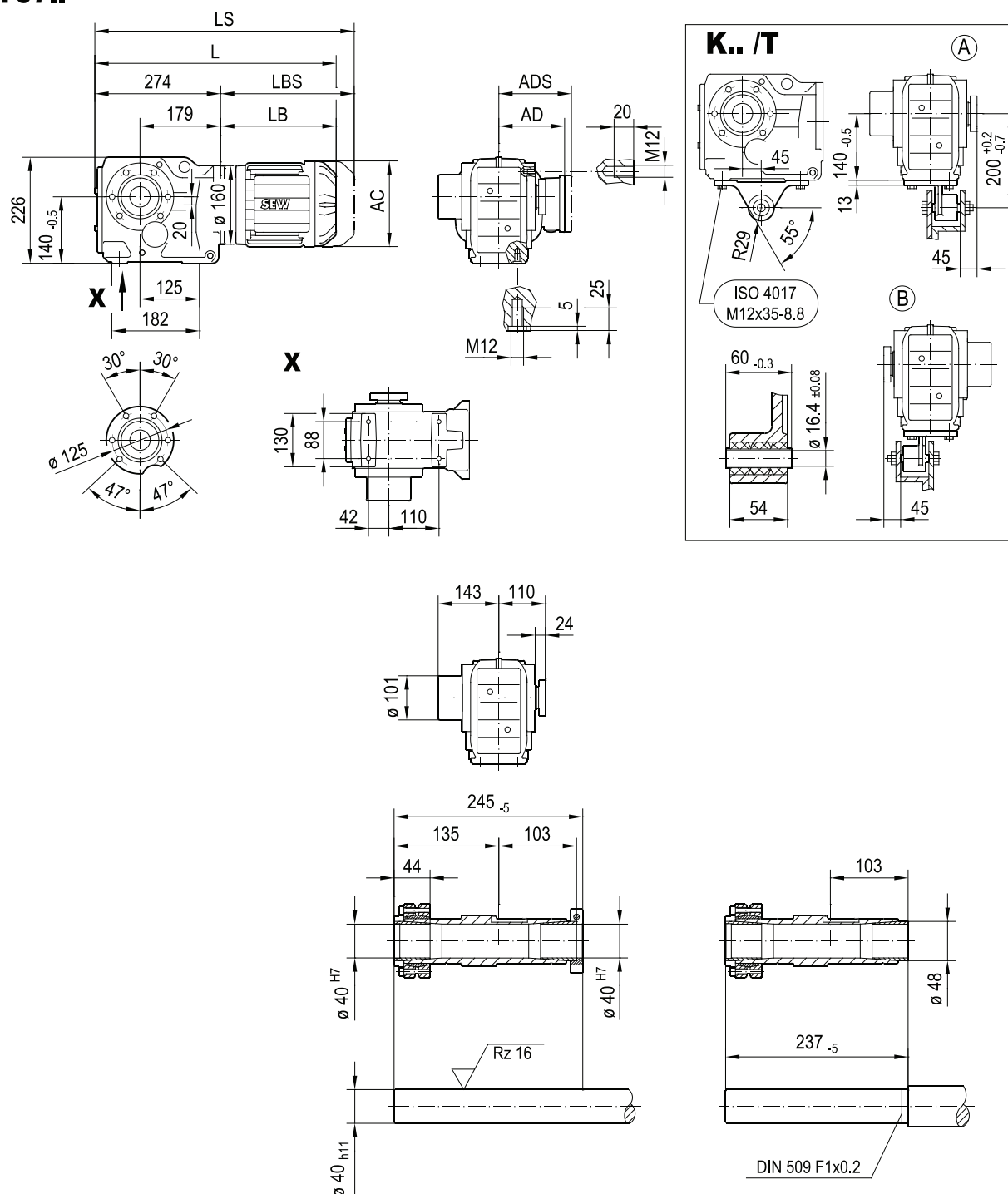
10

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| (→ 7.3) | DRN |      |     |      |     |     |     |       |         |      |      |
|---------|-----|------|-----|------|-----|-----|-----|-------|---------|------|------|
|         | 63M | 71MS | 71M | 80MK | 80M | 90S | 90L | 100LS | 100L/LM | 112M | 132S |
| AC      | 115 | 139  | 139 | 156  | 156 | 179 | 179 | 197   | 197     | 221  | 221  |
| AD      | 98  | 118  | 118 | 128  | 128 | 140 | 140 | 157   | 157     | 170  | 170  |
| ADS     | 98  | 129  | 129 | 139  | 139 | 150 | 150 | 158   | 158     | 172  | 172  |
| L       | 472 | 473  | 493 | 504  | 549 | 551 | 583 | 579   | 629     | 660  | 714  |
| LS      | 528 | 541  | 561 | 585  | 630 | 644 | 676 | 673   | 723     | 772  | 826  |
| LB      | 198 | 199  | 219 | 230  | 275 | 277 | 309 | 305   | 355     | 386  | 440  |
| LBS     | 254 | 267  | 287 | 311  | 356 | 370 | 402 | 399   | 449     | 498  | 552  |

## KT67..

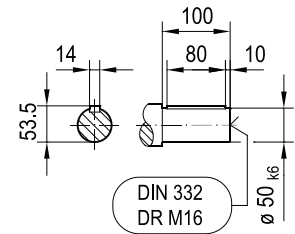
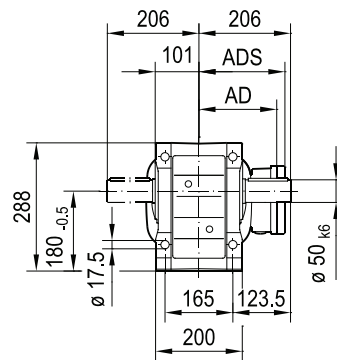
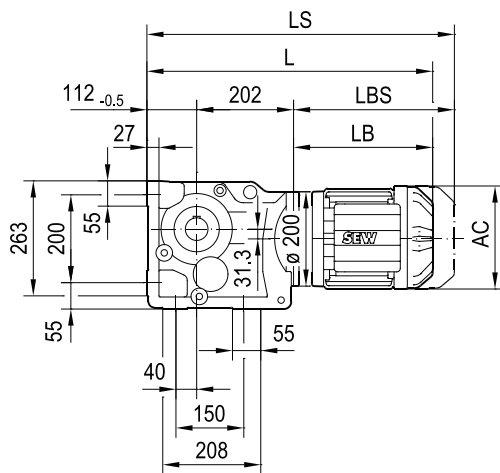
33 056 01 14



| (→ 7.3) | DRN |      |     |      |     |     |     |       |         |      |      |
|---------|-----|------|-----|------|-----|-----|-----|-------|---------|------|------|
|         | 63M | 71MS | 71M | 80MK | 80M | 90S | 90L | 100LS | 100L/LM | 112M | 132S |
| AC      | 115 | 139  | 139 | 156  | 156 | 179 | 179 | 197   | 197     | 221  | 221  |
| AD      | 98  | 118  | 118 | 128  | 128 | 140 | 140 | 157   | 157     | 170  | 170  |
| ADS     | 98  | 129  | 129 | 139  | 139 | 150 | 150 | 158   | 158     | 172  | 172  |
| L       | 472 | 473  | 493 | 504  | 549 | 551 | 583 | 579   | 629     | 660  | 714  |
| LS      | 528 | 541  | 561 | 585  | 630 | 644 | 676 | 673   | 723     | 772  | 826  |
| LB      | 198 | 199  | 219 | 230  | 275 | 277 | 309 | 305   | 355     | 386  | 440  |
| LBS     | 254 | 267  | 287 | 311  | 356 | 370 | 402 | 399   | 449     | 498  | 552  |

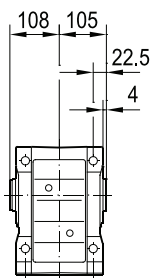
33 057 00 14

**K77..**

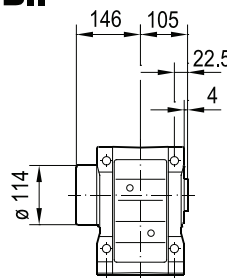


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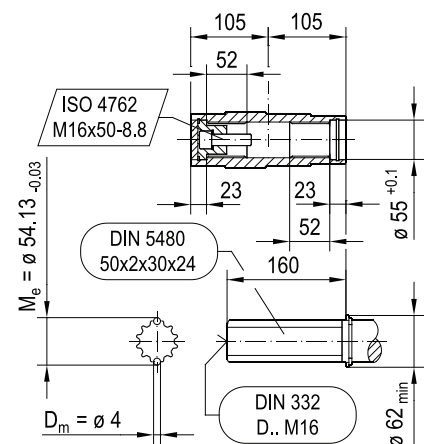
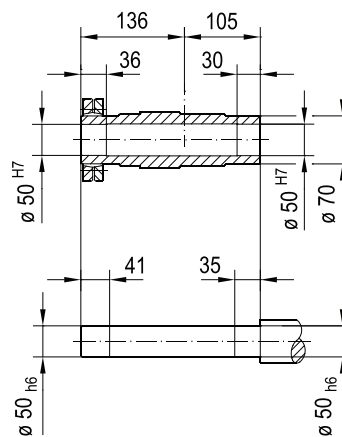
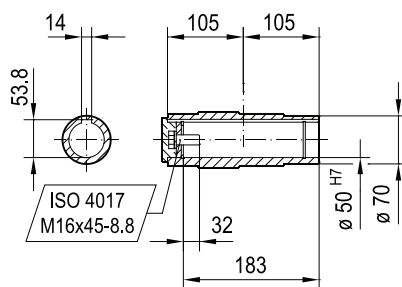
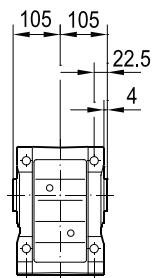
**KA77B..**



**KH77B..**



**KV77B..**

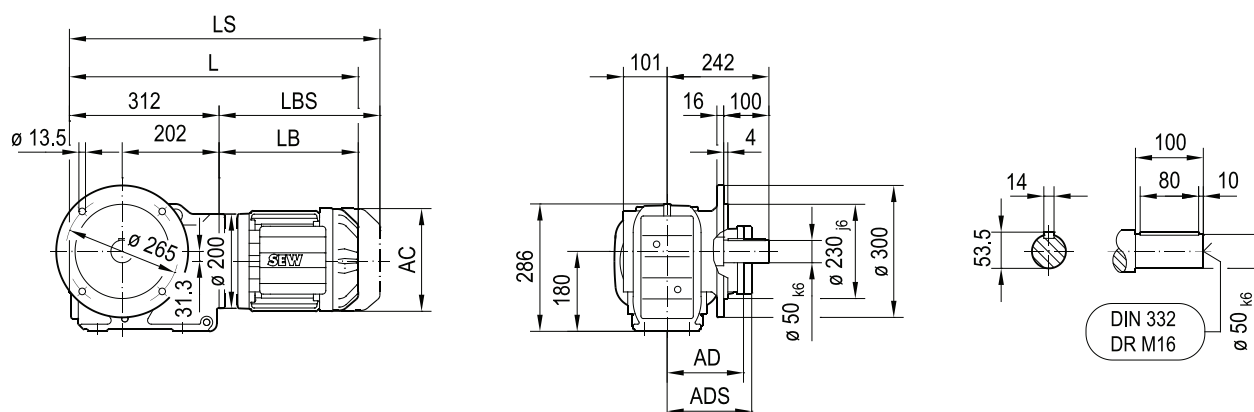


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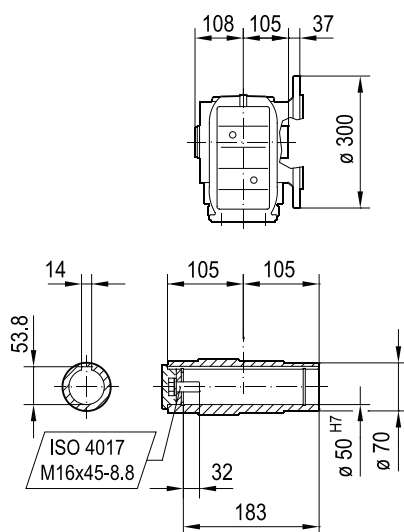
| (→ 7.3) | DRN |      |     |     |     |       |         |      |      |      |      |       |
|---------|-----|------|-----|-----|-----|-------|---------|------|------|------|------|-------|
|         | 71M | 80MK | 80M | 90S | 90L | 100LS | 100L/LM | 112M | 132S | 132M | 132L | 160.. |
| AC      | 139 | 156  | 156 | 179 | 179 | 197   | 197     | 221  | 221  | 261  | 261  | 314   |
| AD      | 118 | 128  | 128 | 140 | 140 | 157   | 157     | 170  | 170  | 228  | 228  | 253   |
| ADS     | 129 | 139  | 139 | 150 | 150 | 158   | 158     | 172  | 172  | 228  | 228  | 253   |
| L       | 526 | 537  | 582 | 584 | 616 | 612   | 662     | 693  | 743  | 761  | 787  | 853   |
| LS      | 594 | 618  | 663 | 677 | 709 | 706   | 756     | 805  | 855  | 899  | 924  | 1042  |
| LB      | 212 | 223  | 268 | 270 | 302 | 298   | 348     | 379  | 429  | 447  | 473  | 539   |
| LBS     | 280 | 304  | 349 | 363 | 395 | 392   | 442     | 491  | 541  | 585  | 610  | 728   |

33 058 00 14

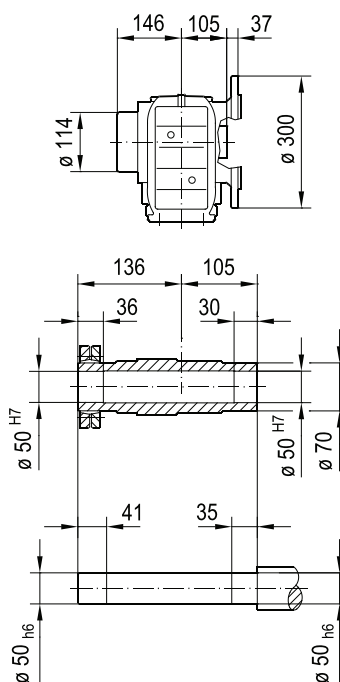
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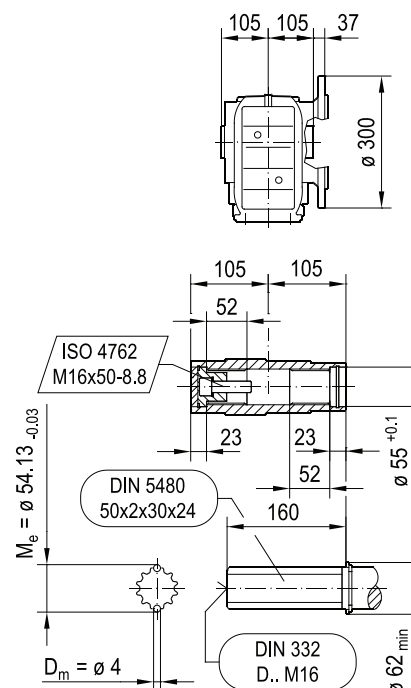
## KAF77..



## KHF77..



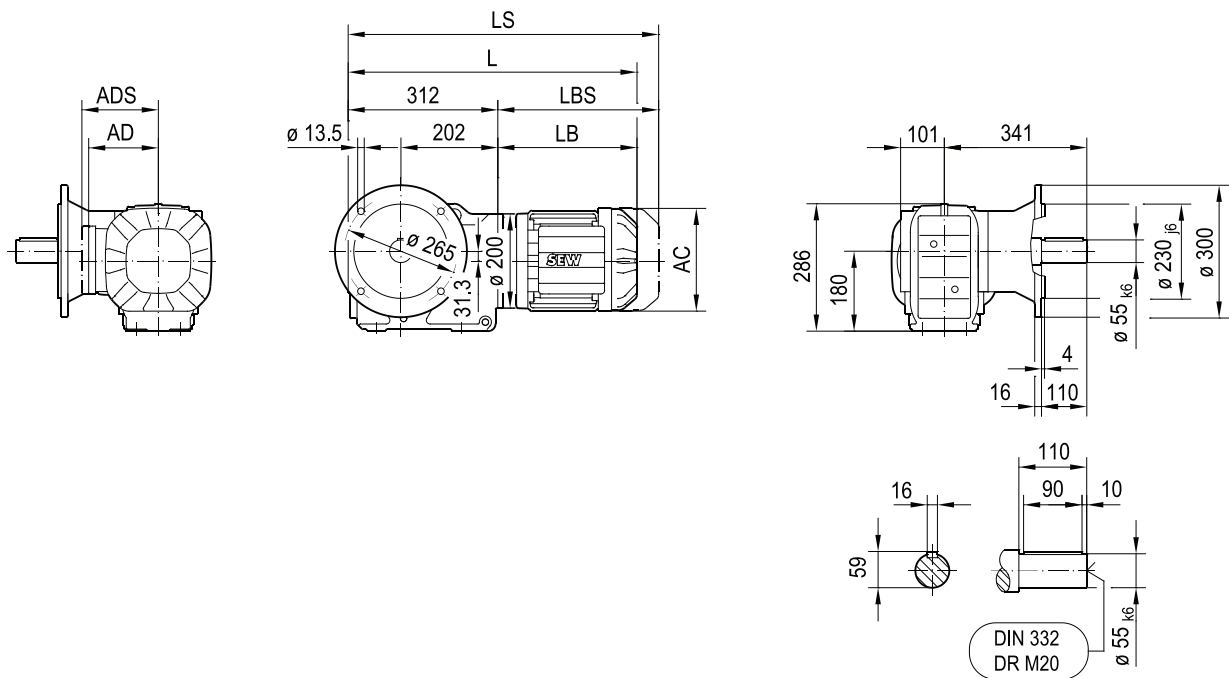
## KVF77..



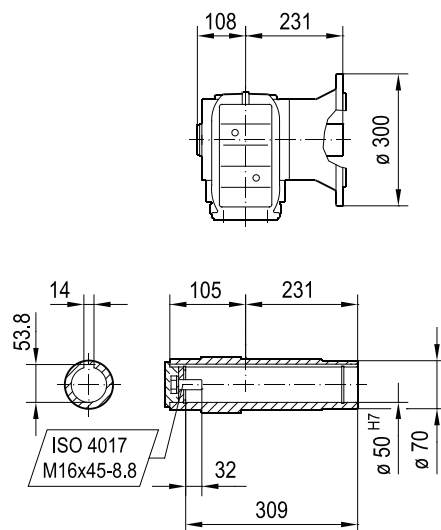
| (→ 7.3) | DRN |      |     |     |     |       |         |      |      |      |      |       |
|---------|-----|------|-----|-----|-----|-------|---------|------|------|------|------|-------|
|         | 71M | 80MK | 80M | 90S | 90L | 100LS | 100L/LM | 112M | 132S | 132M | 132L | 160.. |
| AC      | 139 | 156  | 156 | 179 | 179 | 197   | 197     | 221  | 221  | 261  | 261  | 314   |
| AD      | 118 | 128  | 128 | 140 | 140 | 157   | 157     | 170  | 170  | 228  | 228  | 253   |
| ADS     | 129 | 139  | 139 | 150 | 150 | 158   | 158     | 172  | 172  | 228  | 228  | 253   |
| L       | 524 | 535  | 580 | 582 | 614 | 610   | 660     | 691  | 741  | 759  | 785  | 851   |
| LS      | 592 | 616  | 661 | 675 | 707 | 704   | 754     | 803  | 853  | 897  | 922  | 1040  |
| LB      | 212 | 223  | 268 | 270 | 302 | 298   | 348     | 379  | 429  | 447  | 473  | 539   |
| LBS     | 280 | 304  | 349 | 363 | 395 | 392   | 442     | 491  | 541  | 585  | 610  | 728   |

**KM77..**

33 271 01 17



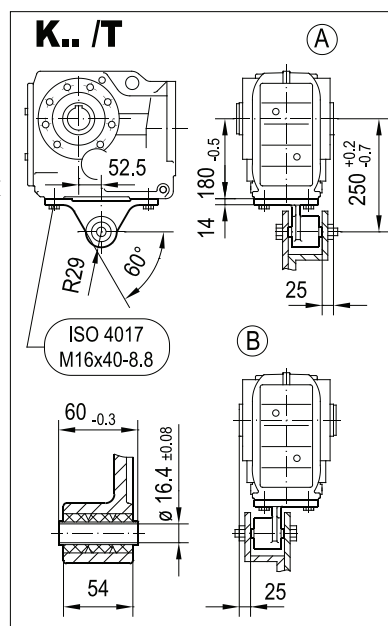
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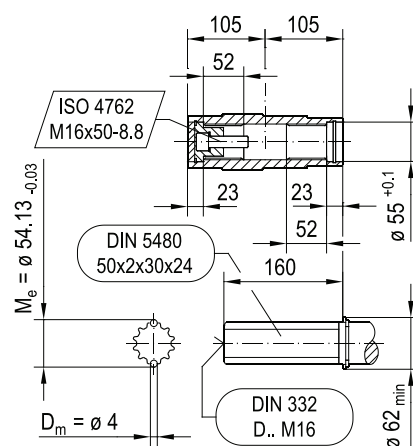
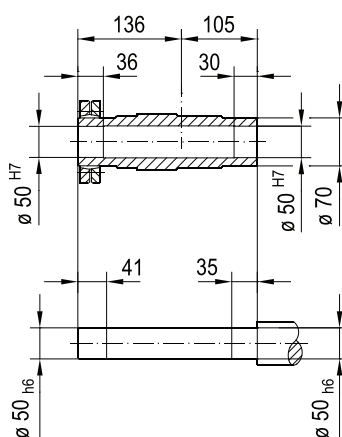
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| (→ 7.3) | DRN |      |     |     |     |       |         |      |      |      |      |       |
|---------|-----|------|-----|-----|-----|-------|---------|------|------|------|------|-------|
|         | 71M | 80MK | 80M | 90S | 90L | 100LS | 100L/LM | 112M | 132S | 132M | 132L | 160.. |
| AC      | 139 | 156  | 156 | 179 | 179 | 197   | 197     | 221  | 221  | 261  | 261  | 314   |
| AD      | 118 | 128  | 128 | 140 | 140 | 157   | 157     | 170  | 170  | 228  | 228  | 253   |
| ADS     | 129 | 139  | 139 | 150 | 150 | 158   | 158     | 172  | 172  | 228  | 228  | 253   |
| L       | 524 | 535  | 580 | 582 | 614 | 610   | 660     | 691  | 741  | 759  | 785  | 851   |
| LS      | 592 | 616  | 661 | 675 | 707 | 704   | 754     | 803  | 853  | 897  | 922  | 1040  |
| LB      | 212 | 223  | 268 | 270 | 302 | 298   | 348     | 379  | 429  | 447  | 473  | 539   |
| LBS     | 280 | 304  | 349 | 363 | 395 | 392   | 442     | 491  | 541  | 585  | 610  | 728   |

**KA77..**



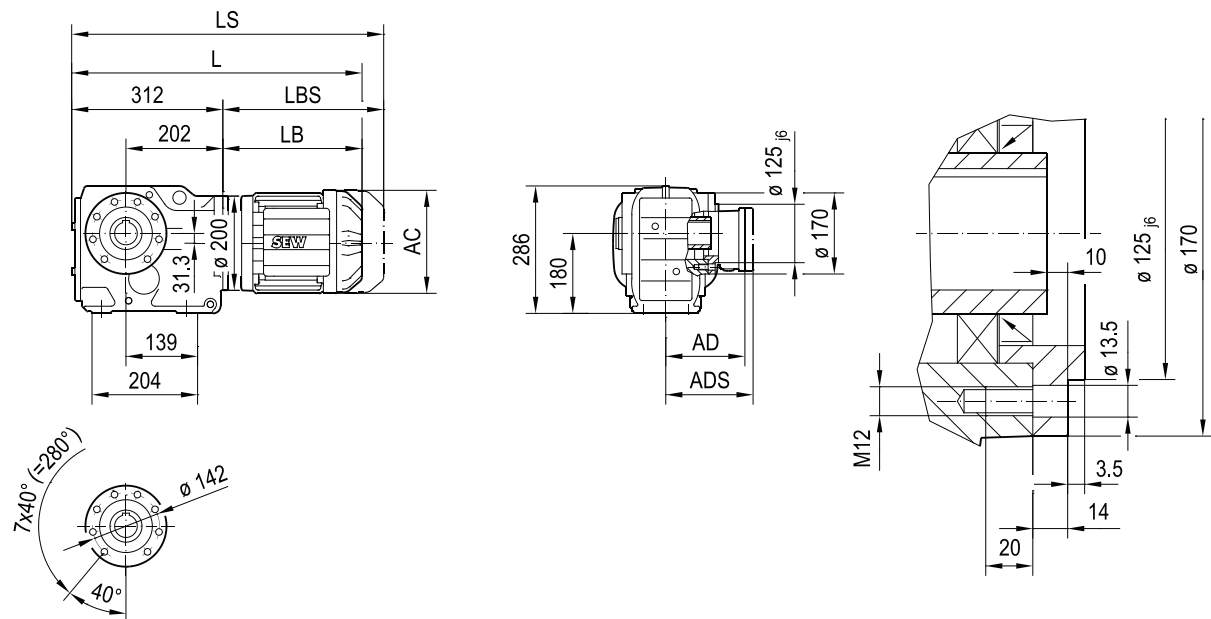
## KA77..



| (→ 📄 7.3) | DRN |      |     |     |     |       |         |      |      |      |      |       |
|-----------|-----|------|-----|-----|-----|-------|---------|------|------|------|------|-------|
|           | 71M | 80MK | 80M | 90S | 90L | 100LS | 100L/LM | 112M | 132S | 132M | 132L | 160.. |
| AC        | 139 | 156  | 156 | 179 | 179 | 197   | 197     | 221  | 221  | 261  | 261  | 314   |
| AD        | 118 | 128  | 128 | 140 | 140 | 157   | 157     | 170  | 170  | 228  | 228  | 253   |
| ADS       | 129 | 139  | 139 | 150 | 150 | 158   | 158     | 172  | 172  | 228  | 228  | 253   |
| L         | 524 | 535  | 580 | 582 | 614 | 610   | 660     | 691  | 741  | 759  | 785  | 851   |
| LS        | 592 | 616  | 661 | 675 | 707 | 704   | 754     | 803  | 853  | 897  | 922  | 1040  |
| LB        | 212 | 223  | 268 | 270 | 302 | 298   | 348     | 379  | 429  | 447  | 473  | 539   |
| LBS       | 280 | 304  | 349 | 363 | 395 | 392   | 442     | 491  | 541  | 585  | 610  | 728   |

**KAZ77..**

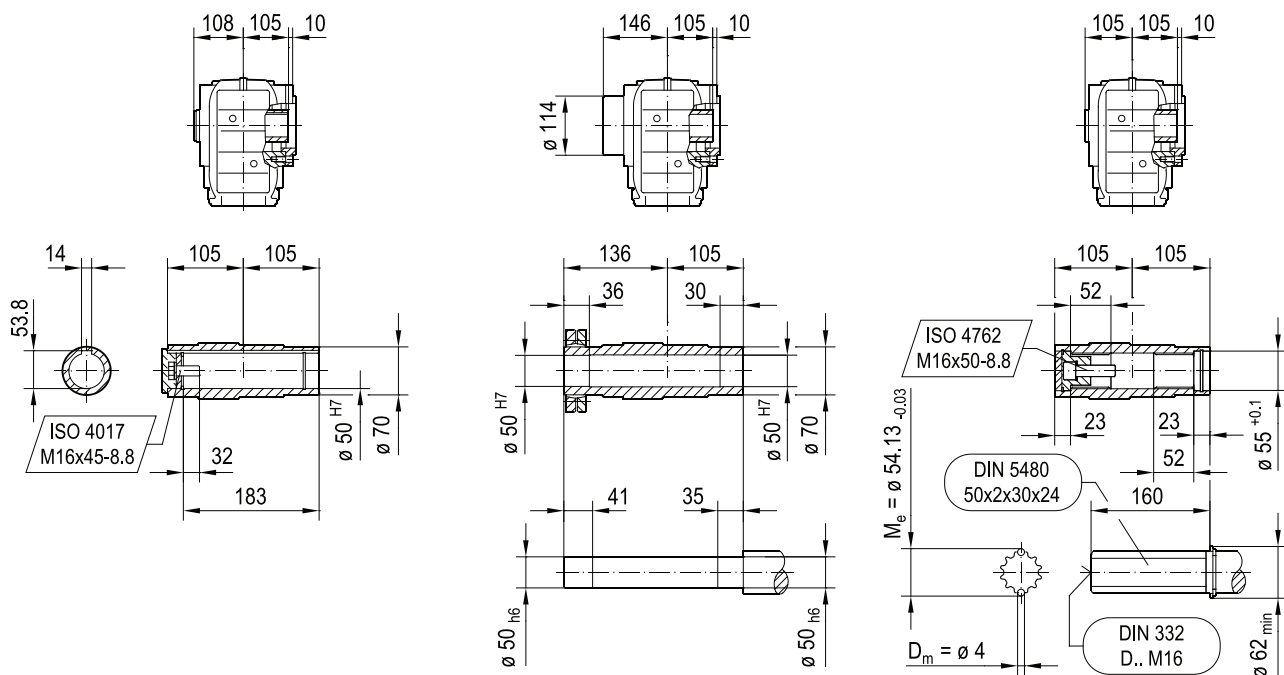
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**KAZ77..**

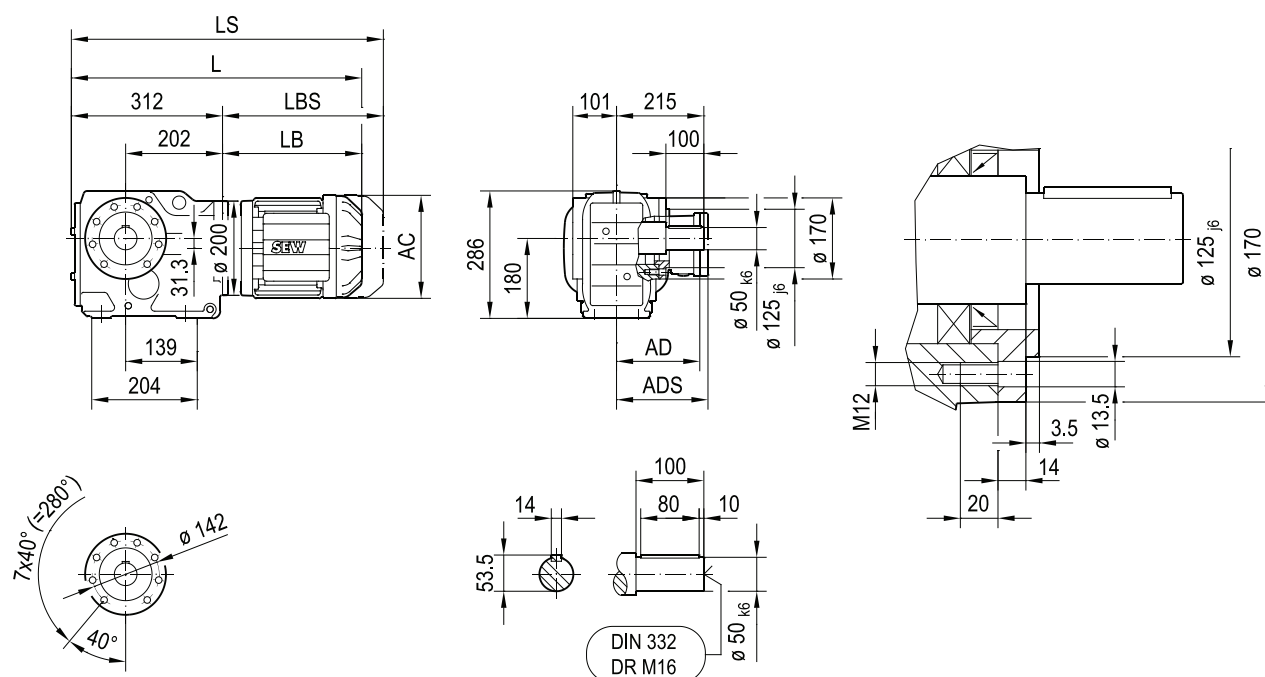
**KHZ77..**

**KVZ77..**



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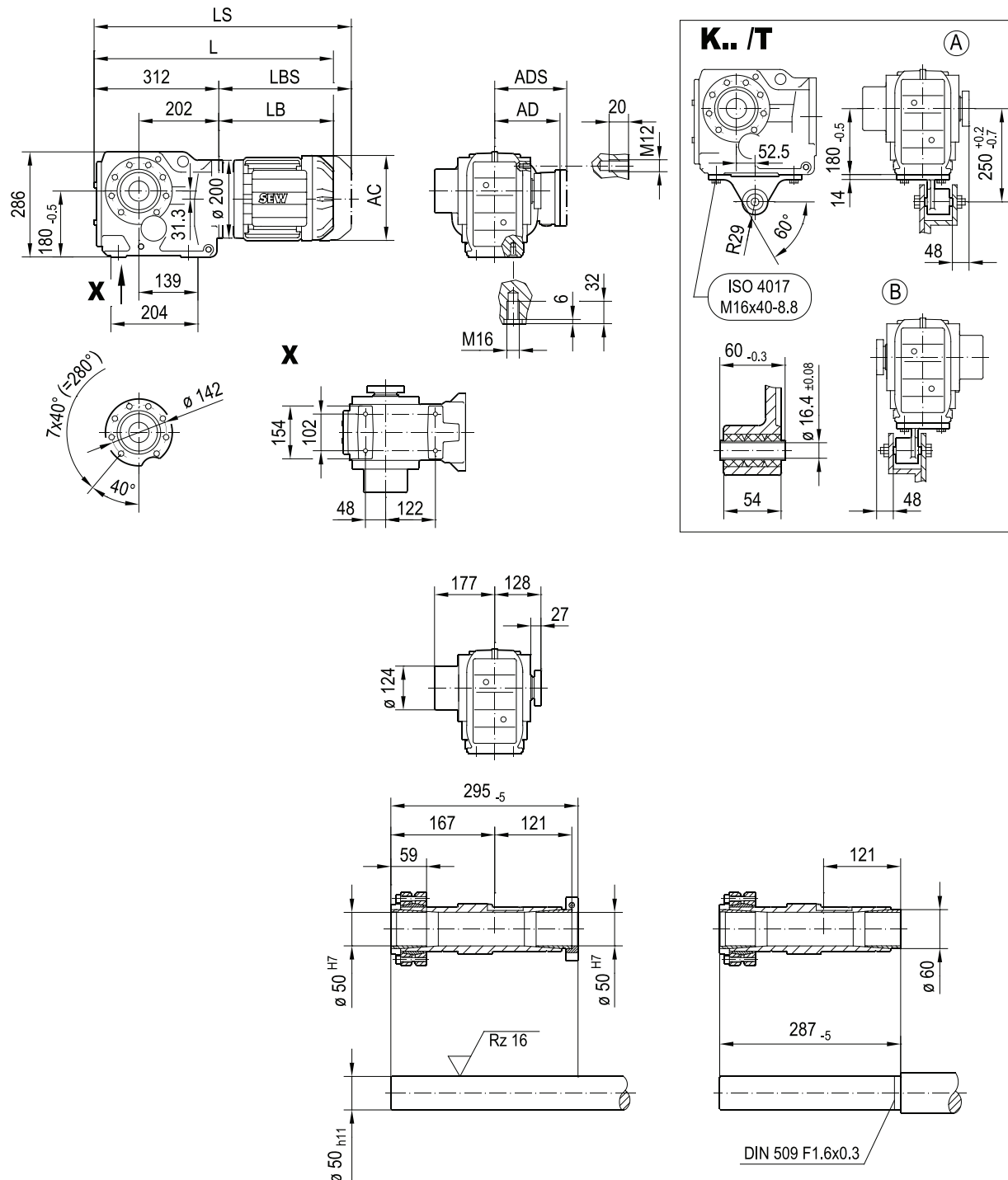
| (→ 7.3) | DRN |      |     |     |     |       |         |      |      |      |      |       |
|---------|-----|------|-----|-----|-----|-------|---------|------|------|------|------|-------|
|         | 71M | 80MK | 80M | 90S | 90L | 100LS | 100L/LM | 112M | 132S | 132M | 132L | 160.. |
| AC      | 139 | 156  | 156 | 179 | 179 | 197   | 197     | 221  | 221  | 261  | 261  | 314   |
| AD      | 118 | 128  | 128 | 140 | 140 | 157   | 157     | 170  | 170  | 228  | 228  | 253   |
| ADS     | 129 | 139  | 139 | 150 | 150 | 158   | 158     | 172  | 172  | 228  | 228  | 253   |
| L       | 524 | 535  | 580 | 582 | 614 | 610   | 660     | 691  | 741  | 759  | 785  | 851   |
| LS      | 592 | 616  | 661 | 675 | 707 | 704   | 754     | 803  | 853  | 897  | 922  | 1040  |
| LB      | 212 | 223  | 268 | 270 | 302 | 298   | 348     | 379  | 429  | 447  | 473  | 539   |
| LBS     | 280 | 304  | 349 | 363 | 395 | 392   | 442     | 491  | 541  | 585  | 610  | 728   |

**KZ77..****33 236 00 15**

| ( $\rightarrow$ 7.3) | DRN |      |     |     |     |       |         |      |      |      |      |       |
|----------------------|-----|------|-----|-----|-----|-------|---------|------|------|------|------|-------|
|                      | 71M | 80MK | 80M | 90S | 90L | 100LS | 100L/LM | 112M | 132S | 132M | 132L | 160.. |
| AC                   | 139 | 156  | 156 | 179 | 179 | 197   | 197     | 221  | 221  | 261  | 261  | 314   |
| AD                   | 118 | 128  | 128 | 140 | 140 | 157   | 157     | 170  | 170  | 228  | 228  | 253   |
| ADS                  | 129 | 139  | 139 | 150 | 150 | 158   | 158     | 172  | 172  | 228  | 228  | 253   |
| L                    | 524 | 535  | 580 | 582 | 614 | 610   | 660     | 691  | 741  | 759  | 785  | 851   |
| LS                   | 592 | 616  | 661 | 675 | 707 | 704   | 754     | 803  | 853  | 897  | 922  | 1040  |
| LB                   | 212 | 223  | 268 | 270 | 302 | 298   | 348     | 379  | 429  | 447  | 473  | 539   |
| LBS                  | 280 | 304  | 349 | 363 | 395 | 392   | 442     | 491  | 541  | 585  | 610  | 728   |

KT77..

33 061 01 14

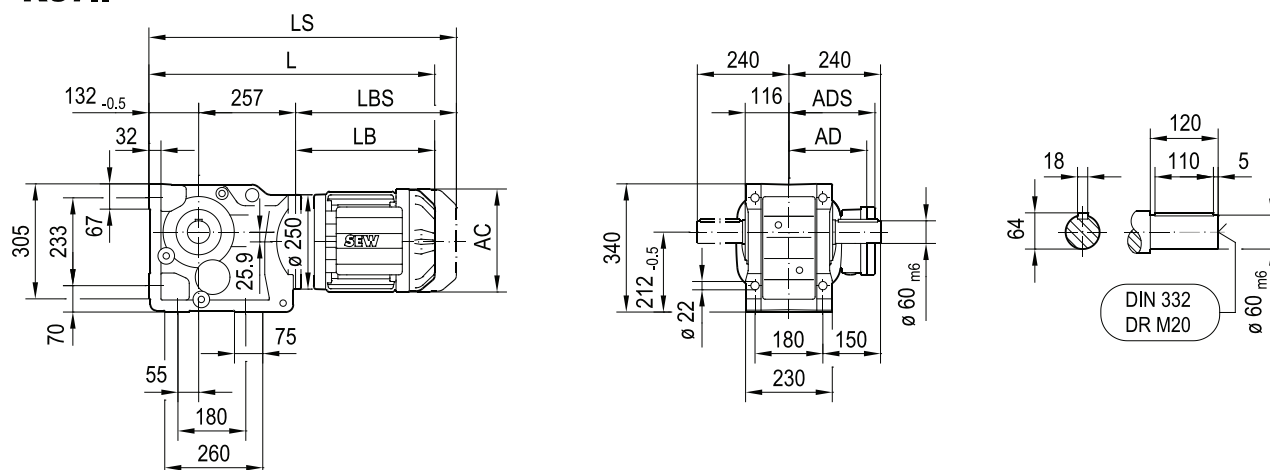
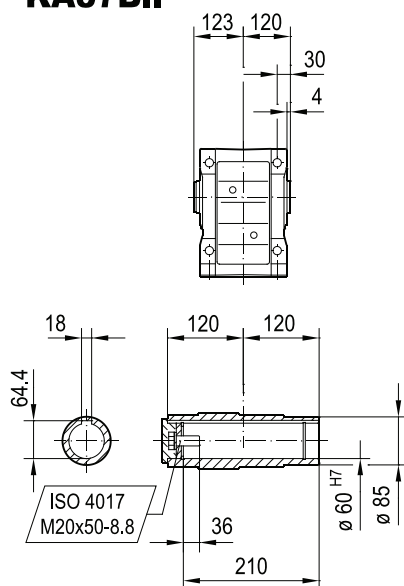
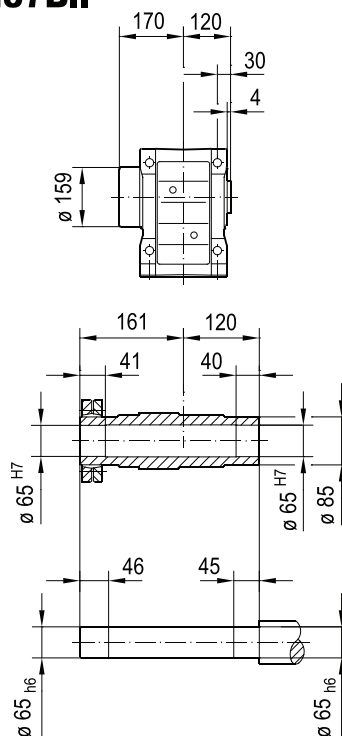
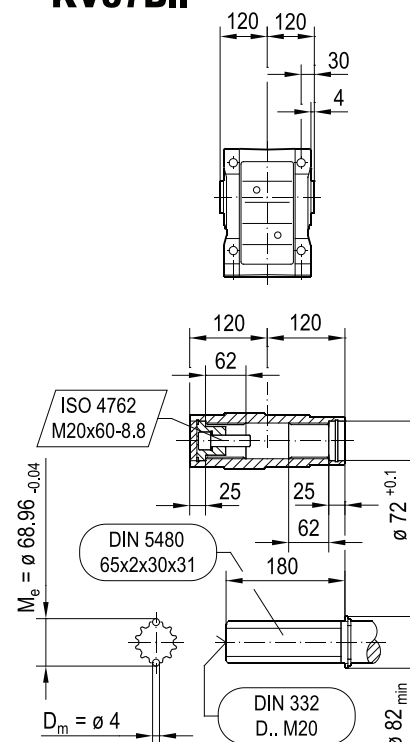


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| (→ 7.3) | DRN |      |     |     |     |       |         |      |      |      |      |       |
|---------|-----|------|-----|-----|-----|-------|---------|------|------|------|------|-------|
|         | 71M | 80MK | 80M | 90S | 90L | 100LS | 100L/LM | 112M | 132S | 132M | 132L | 160.. |
| AC      | 139 | 156  | 156 | 179 | 179 | 197   | 197     | 221  | 221  | 261  | 261  | 314   |
| AD      | 118 | 128  | 128 | 140 | 140 | 157   | 157     | 170  | 170  | 228  | 228  | 253   |
| ADS     | 129 | 139  | 139 | 150 | 150 | 158   | 158     | 172  | 172  | 228  | 228  | 253   |
| L       | 524 | 535  | 580 | 582 | 614 | 610   | 660     | 691  | 741  | 759  | 785  | 851   |
| LS      | 592 | 616  | 661 | 675 | 707 | 704   | 754     | 803  | 853  | 897  | 922  | 1040  |
| LB      | 212 | 223  | 268 | 270 | 302 | 298   | 348     | 379  | 429  | 447  | 473  | 539   |
| LBS     | 280 | 304  | 349 | 363 | 395 | 392   | 442     | 491  | 541  | 585  | 610  | 728   |

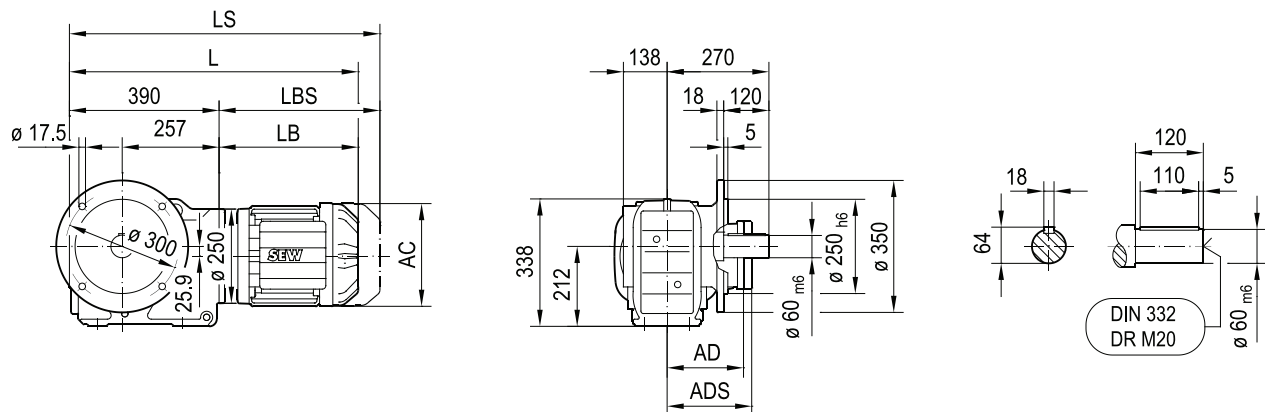
33 062 00 14

**K87..****KA87B..****KH87B..****KV87B..**

| (→ 7.3) | DRN  |     |     |     |       |         |      |      |      |      |       |       |
|---------|------|-----|-----|-----|-------|---------|------|------|------|------|-------|-------|
|         | 80MK | 80M | 90S | 90L | 100LS | 100L/LM | 112M | 132S | 132M | 132L | 160.. | 180.. |
| AC      | 156  | 156 | 179 | 179 | 197   | 197     | 221  | 221  | 261  | 261  | 314   | 357   |
| AD      | 128  | 128 | 140 | 140 | 157   | 157     | 170  | 170  | 228  | 228  | 253   | 268   |
| ADS     | 139  | 139 | 150 | 150 | 158   | 158     | 172  | 172  | 228  | 228  | 253   | 268   |
| L       | 607  | 652 | 654 | 686 | 682   | 732     | 763  | 813  | 831  | 857  | 923   | 946   |
| LS      | 688  | 733 | 747 | 779 | 776   | 826     | 875  | 925  | 969  | 994  | 1112  | 1135  |
| LB      | 218  | 263 | 265 | 297 | 293   | 343     | 374  | 424  | 442  | 468  | 534   | 557   |
| LBS     | 299  | 344 | 358 | 390 | 387   | 437     | 486  | 536  | 580  | 605  | 723   | 746   |

**KF87..**

33 063 00 14

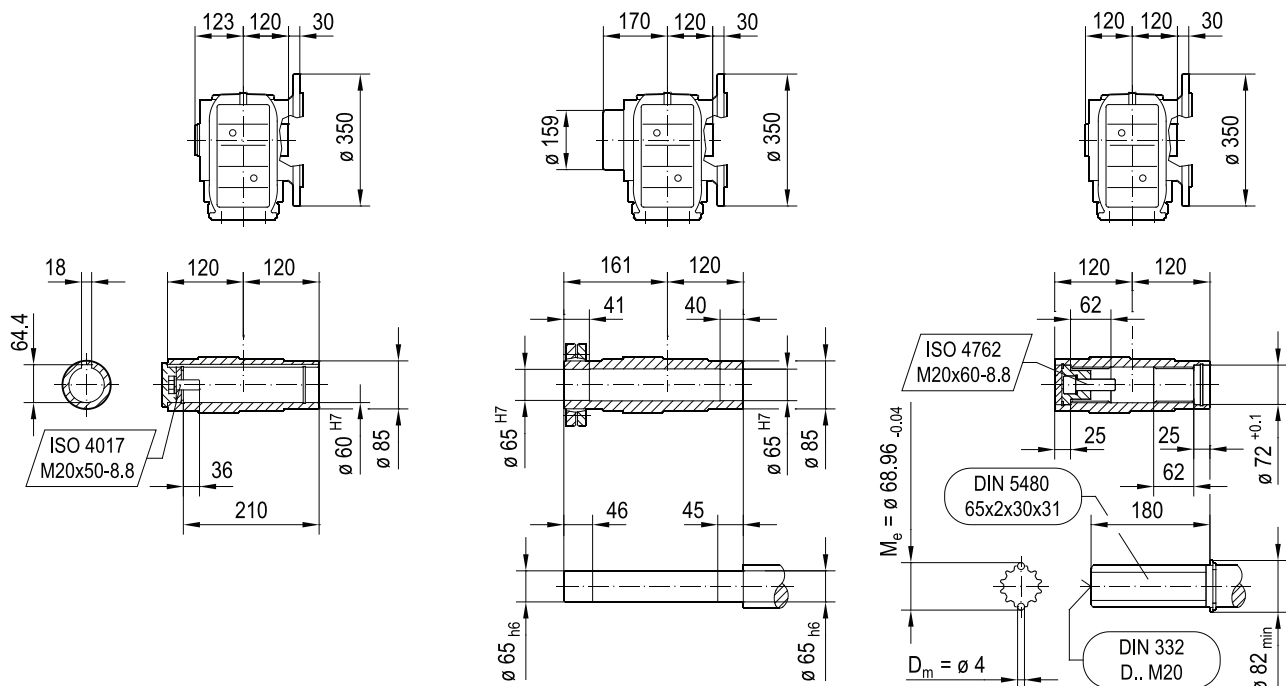


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**KAF87..**

**KHF87..**

**KVF87..**

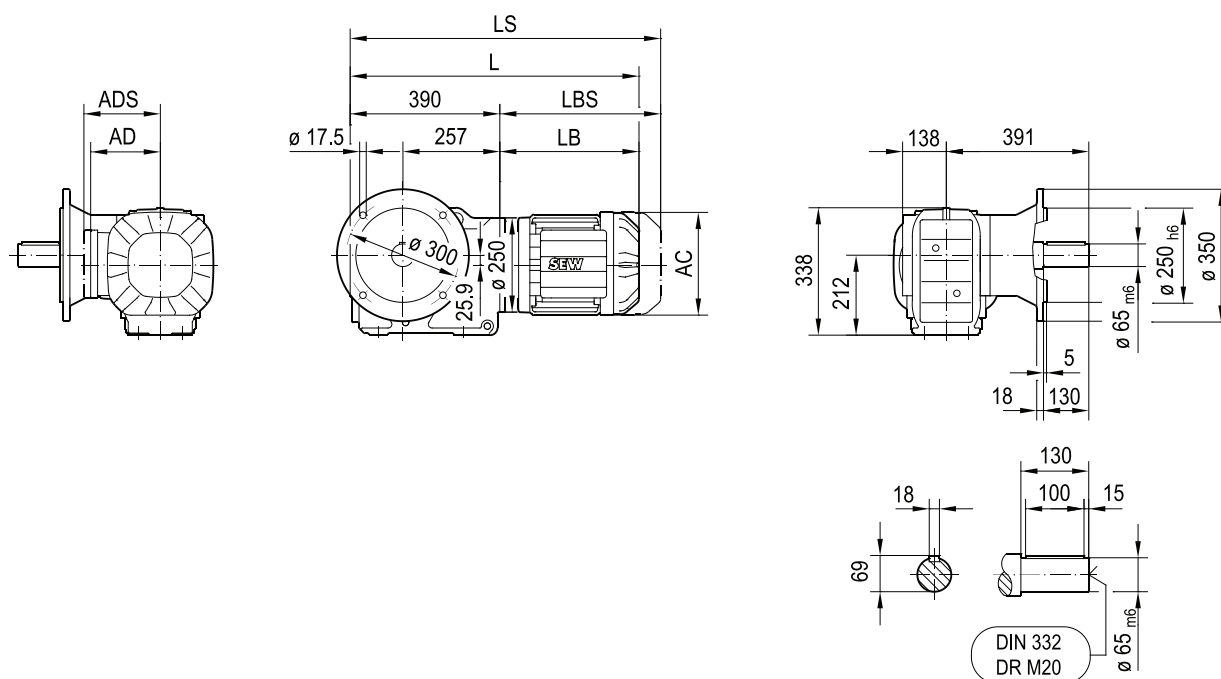


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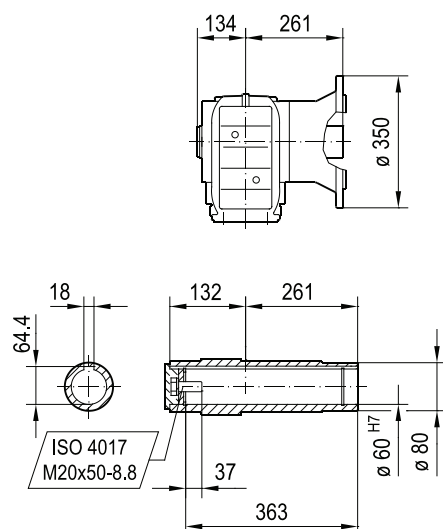
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|---------|------|-----|-----|-----|-------|---------|------|------|------|------|-------|-------|
|         | 80MK | 80M | 90S | 90L | 100LS | 100L/LM | 112M | 132S | 132M | 132L | 160.. | 180.. |
| AC      | 156  | 156 | 179 | 179 | 197   | 197     | 221  | 221  | 261  | 261  | 314   | 357   |
| AD      | 128  | 128 | 140 | 140 | 157   | 157     | 170  | 170  | 228  | 228  | 253   | 268   |
| ADS     | 139  | 139 | 150 | 150 | 158   | 158     | 172  | 172  | 228  | 228  | 253   | 268   |
| L       | 608  | 653 | 655 | 687 | 683   | 733     | 764  | 814  | 832  | 858  | 924   | 947   |
| LS      | 689  | 734 | 748 | 780 | 777   | 827     | 876  | 926  | 970  | 995  | 1113  | 1136  |
| LB      | 218  | 263 | 265 | 297 | 293   | 343     | 374  | 424  | 442  | 468  | 534   | 557   |
| LBS     | 299  | 344 | 358 | 390 | 387   | 437     | 486  | 536  | 580  | 605  | 723   | 746   |

## KM87..

33 272 01 17



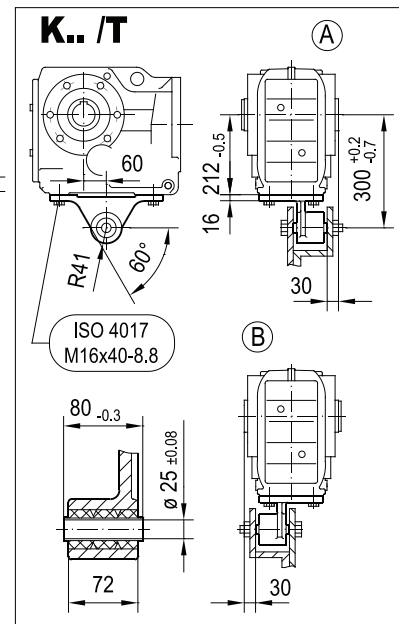
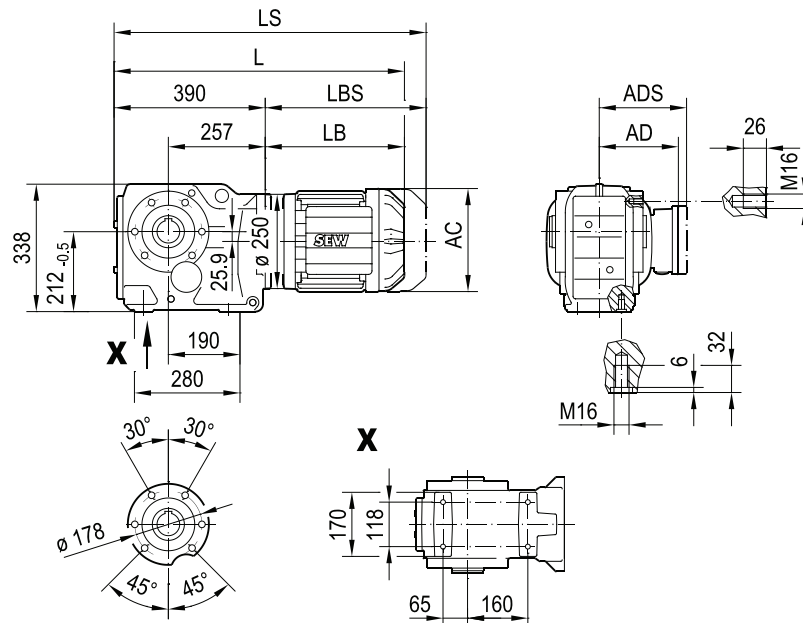
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| (→ 7.3) | DRN  |     |     |     |       |         |      |      |      |      |       |       |
|---------|------|-----|-----|-----|-------|---------|------|------|------|------|-------|-------|
|         | 80MK | 80M | 90S | 90L | 100LS | 100L/LM | 112M | 132S | 132M | 132L | 160.. | 180.. |
| AC      | 156  | 156 | 179 | 179 | 197   | 197     | 221  | 221  | 261  | 261  | 314   | 357   |
| AD      | 128  | 128 | 140 | 140 | 157   | 157     | 170  | 170  | 228  | 228  | 253   | 268   |
| ADS     | 139  | 139 | 150 | 150 | 158   | 158     | 172  | 172  | 228  | 228  | 253   | 268   |
| L       | 608  | 653 | 655 | 687 | 683   | 733     | 764  | 814  | 832  | 858  | 924   | 947   |
| LS      | 689  | 734 | 748 | 780 | 777   | 827     | 876  | 926  | 970  | 995  | 1113  | 1136  |
| LB      | 218  | 263 | 265 | 297 | 293   | 343     | 374  | 424  | 442  | 468  | 534   | 557   |
| LBS     | 299  | 344 | 358 | 390 | 387   | 437     | 486  | 536  | 580  | 605  | 723   | 746   |

KA87..

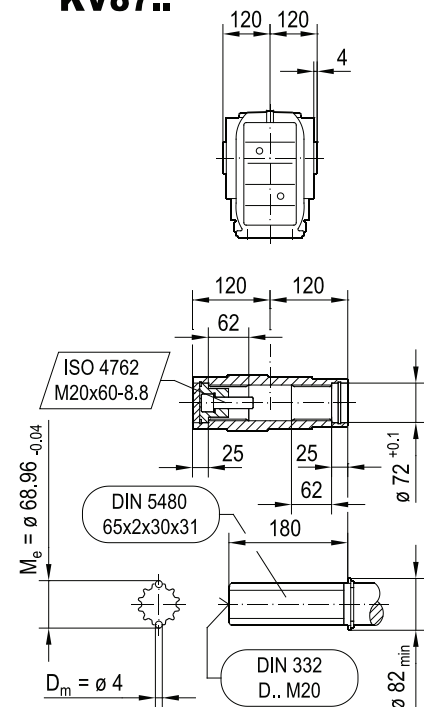
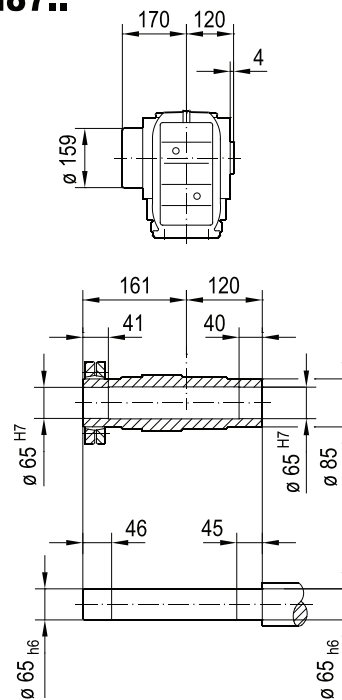
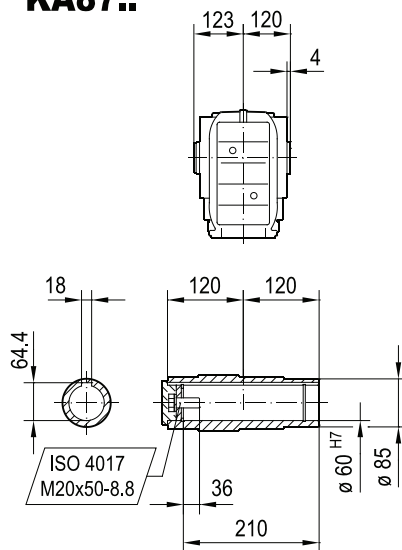
33 064 00 14



KA87..

KH87..

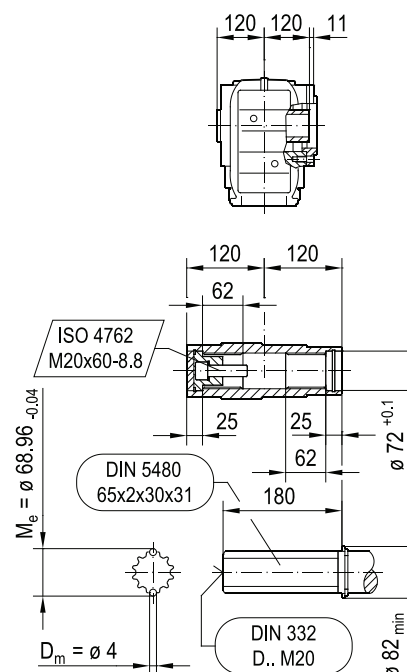
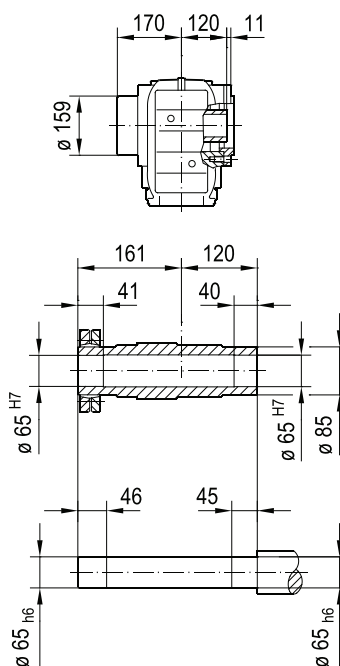
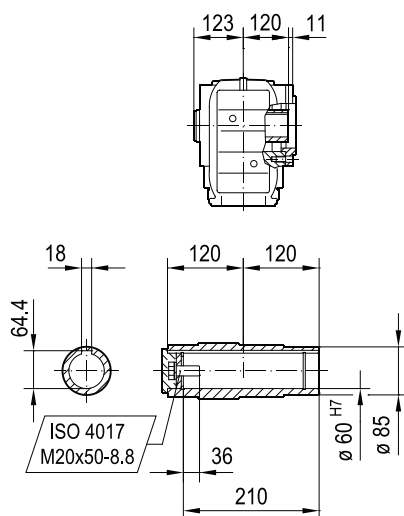
KV87..



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| (→ 7.3) | DRN  |     |     |     |       |         |      |      |      |      |       |       |
|---------|------|-----|-----|-----|-------|---------|------|------|------|------|-------|-------|
|         | 80MK | 80M | 90S | 90L | 100LS | 100L/LM | 112M | 132S | 132M | 132L | 160.. | 180.. |
| AC      | 156  | 156 | 179 | 179 | 197   | 197     | 221  | 221  | 261  | 261  | 314   | 357   |
| AD      | 128  | 128 | 140 | 140 | 157   | 157     | 170  | 170  | 228  | 228  | 253   | 268   |
| ADS     | 139  | 139 | 150 | 150 | 158   | 158     | 172  | 172  | 228  | 228  | 253   | 268   |
| L       | 608  | 653 | 655 | 687 | 683   | 733     | 764  | 814  | 832  | 858  | 924   | 947   |
| LS      | 689  | 734 | 748 | 780 | 777   | 827     | 876  | 926  | 970  | 995  | 1113  | 1136  |
| LB      | 218  | 263 | 265 | 297 | 293   | 343     | 374  | 424  | 442  | 468  | 534   | 557   |
| LBS     | 299  | 344 | 358 | 390 | 387   | 437     | 486  | 536  | 580  | 605  | 723   | 746   |

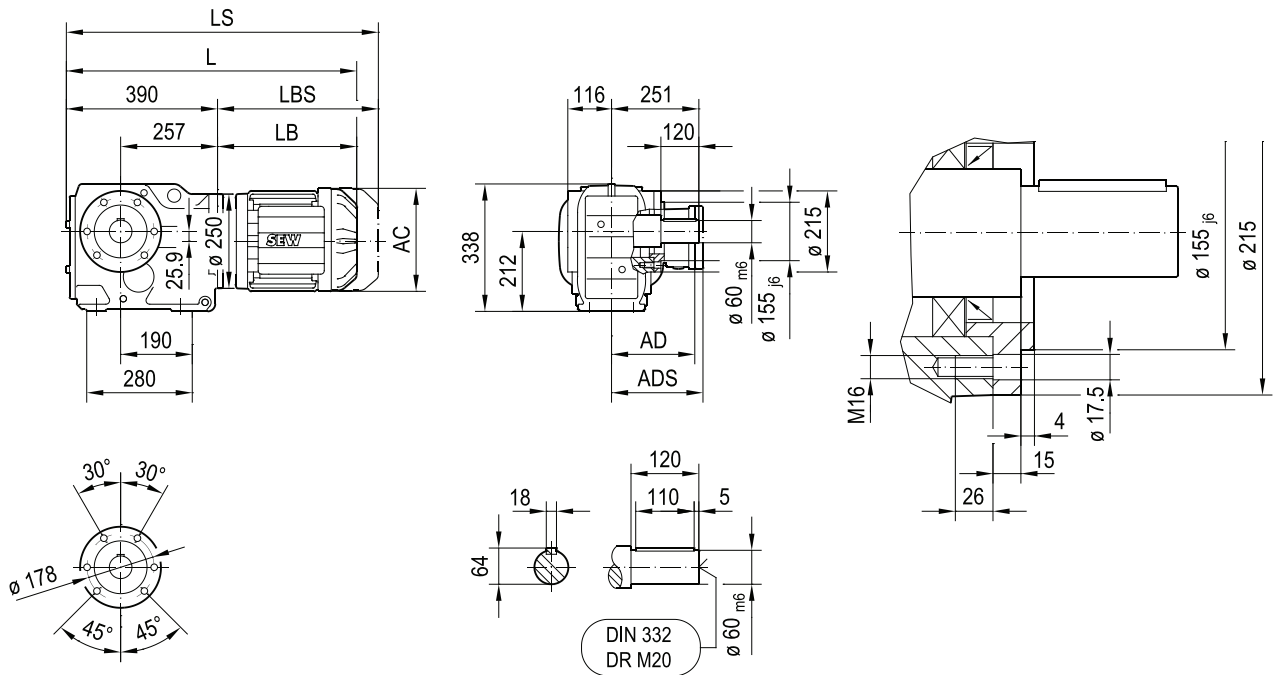
## KAZ87..



| (→ 🏠 7.3) | DRN  |     |     |     |       |         |      |      |      |      |       |       |
|-----------|------|-----|-----|-----|-------|---------|------|------|------|------|-------|-------|
|           | 80MK | 80M | 90S | 90L | 100LS | 100L/LM | 112M | 132S | 132M | 132L | 160.. | 180.. |
| AC        | 156  | 156 | 179 | 179 | 197   | 197     | 221  | 221  | 261  | 261  | 314   | 357   |
| AD        | 128  | 128 | 140 | 140 | 157   | 157     | 170  | 170  | 228  | 228  | 253   | 268   |
| ADS       | 139  | 139 | 150 | 150 | 158   | 158     | 172  | 172  | 228  | 228  | 253   | 268   |
| L         | 608  | 653 | 655 | 687 | 683   | 733     | 764  | 814  | 832  | 858  | 924   | 947   |
| LS        | 689  | 734 | 748 | 780 | 777   | 827     | 876  | 926  | 970  | 995  | 1113  | 1136  |
| LB        | 218  | 263 | 265 | 297 | 293   | 343     | 374  | 424  | 442  | 468  | 534   | 557   |
| LBS       | 299  | 344 | 358 | 390 | 387   | 437     | 486  | 536  | 580  | 605  | 723   | 746   |

**KZ87..**

**33 237 00 15**



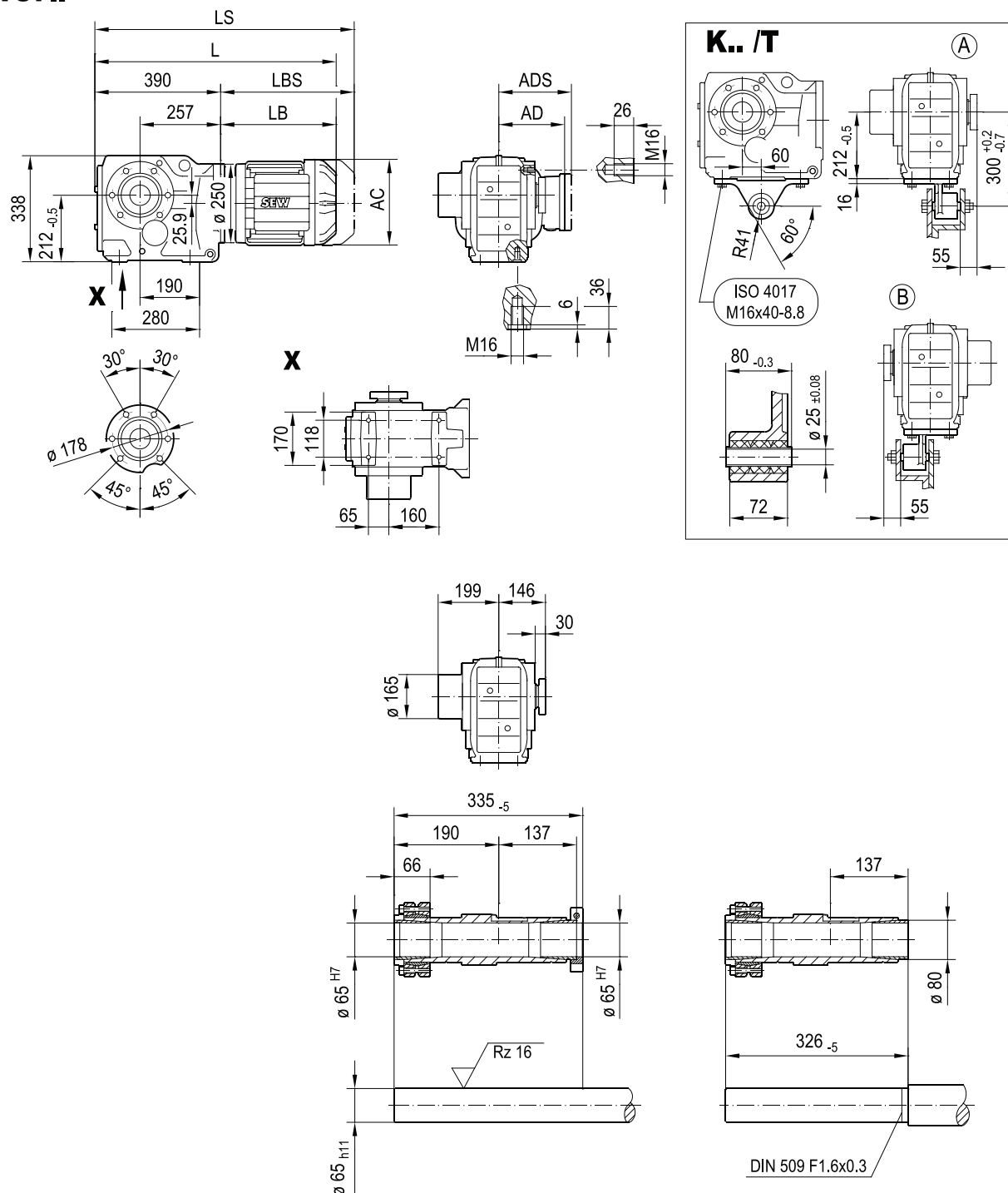
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| (→ 📖 7.3) | DRN  |     |     |     |       |         |      |      |      |      |       |       |
|-----------|------|-----|-----|-----|-------|---------|------|------|------|------|-------|-------|
|           | 80MK | 80M | 90S | 90L | 100LS | 100L/LM | 112M | 132S | 132M | 132L | 160.. | 180.. |
| AC        | 156  | 156 | 179 | 179 | 197   | 197     | 221  | 221  | 261  | 261  | 314   | 357   |
| AD        | 128  | 128 | 140 | 140 | 157   | 157     | 170  | 170  | 228  | 228  | 253   | 268   |
| ADS       | 139  | 139 | 150 | 150 | 158   | 158     | 172  | 172  | 228  | 228  | 253   | 268   |
| L         | 608  | 653 | 655 | 687 | 683   | 733     | 764  | 814  | 832  | 858  | 924   | 947   |
| LS        | 689  | 734 | 748 | 780 | 777   | 827     | 876  | 926  | 970  | 995  | 1113  | 1136  |
| LB        | 218  | 263 | 265 | 297 | 293   | 343     | 374  | 424  | 442  | 468  | 534   | 557   |
| LBS       | 299  | 344 | 358 | 390 | 387   | 437     | 486  | 536  | 580  | 605  | 723   | 746   |

## KT87..

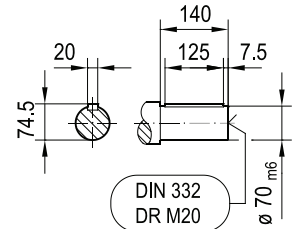
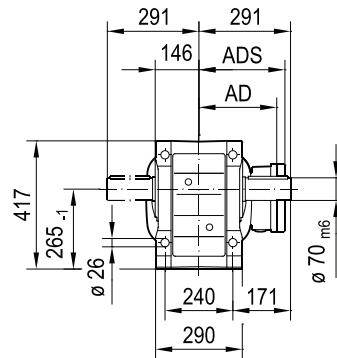
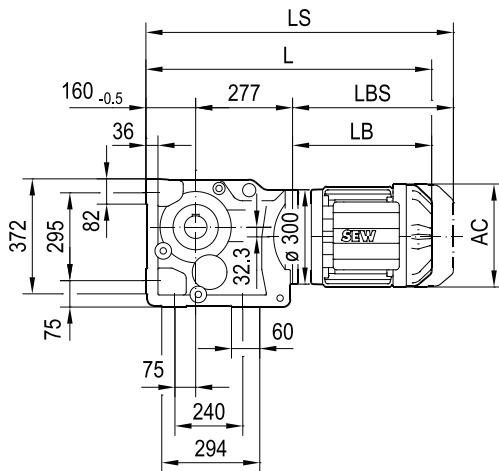
33 066 01 14



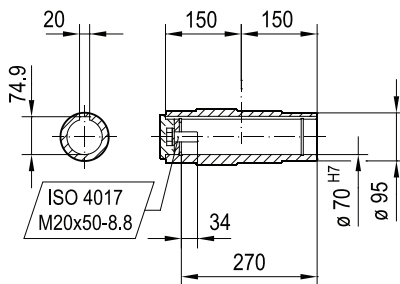
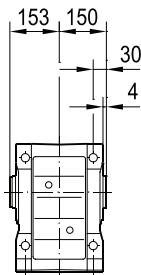
| (→ 7.3) | DRN  |     |     |     |       |         |      |      |      |      |       |       |
|---------|------|-----|-----|-----|-------|---------|------|------|------|------|-------|-------|
|         | 80MK | 80M | 90S | 90L | 100LS | 100L/LM | 112M | 132S | 132M | 132L | 160.. | 180.. |
| AC      | 156  | 156 | 179 | 179 | 197   | 197     | 221  | 221  | 261  | 261  | 314   | 357   |
| AD      | 128  | 128 | 140 | 140 | 157   | 157     | 170  | 170  | 228  | 228  | 253   | 268   |
| ADS     | 139  | 139 | 150 | 150 | 158   | 158     | 172  | 172  | 228  | 228  | 253   | 268   |
| L       | 608  | 653 | 655 | 687 | 683   | 733     | 764  | 814  | 832  | 858  | 924   | 947   |
| LS      | 689  | 734 | 748 | 780 | 777   | 827     | 876  | 926  | 970  | 995  | 1113  | 1136  |
| LB      | 218  | 263 | 265 | 297 | 293   | 343     | 374  | 424  | 442  | 468  | 534   | 557   |
| LBS     | 299  | 344 | 358 | 390 | 387   | 437     | 486  | 536  | 580  | 605  | 723   | 746   |

33 067 00 14

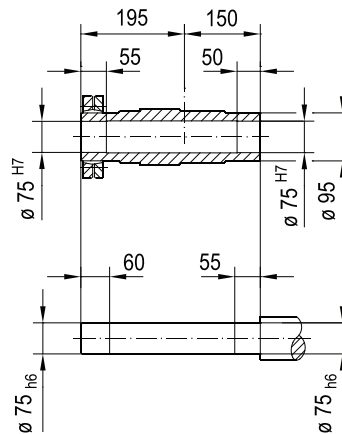
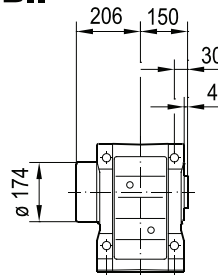
K97..



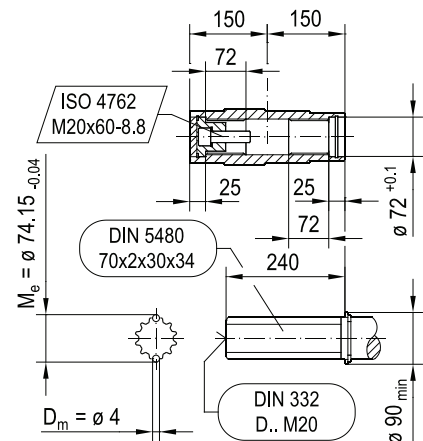
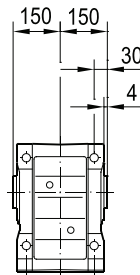
KA97B..



KH97B..



KV97B..

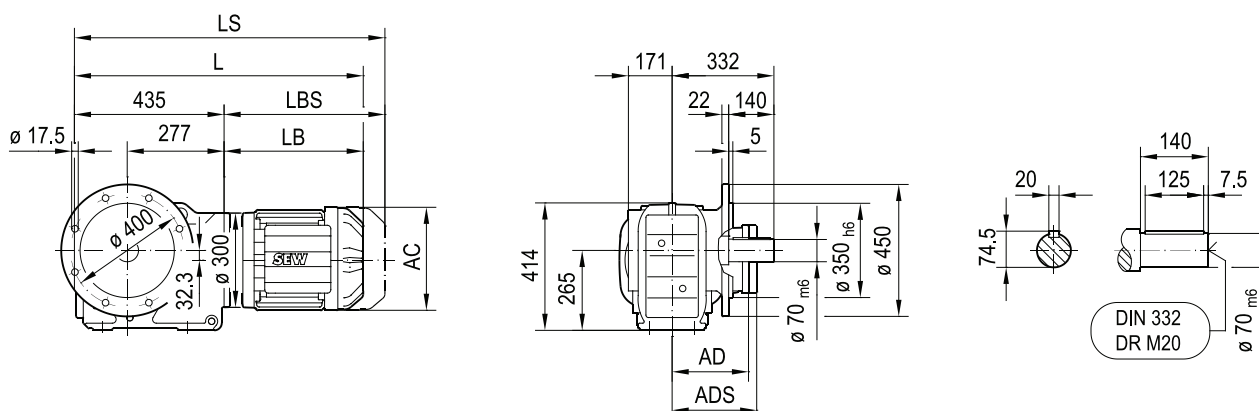


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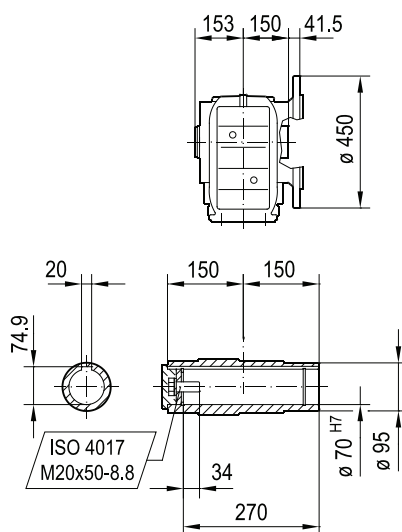
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|---------|-----|-----|-------|---------|------|------|------|------|-------|-------|------|
|         | 90S | 90L | 100LS | 100L/LM | 112M | 132S | 132M | 132L | 160.. | 180.. | 200L |
| AC      | 179 | 179 | 197   | 197     | 221  | 221  | 261  | 261  | 314   | 357   | 394  |
| AD      | 140 | 140 | 157   | 157     | 170  | 170  | 228  | 228  | 253   | 268   | 283  |
| ADS     | 150 | 150 | 158   | 158     | 172  | 172  | 228  | 228  | 253   | 268   | 283  |
| L       | 697 | 729 | 725   | 775     | 806  | 856  | 874  | 900  | 966   | 989   | 1099 |
| LS      | 790 | 822 | 819   | 869     | 918  | 968  | 1012 | 1037 | 1155  | 1178  | 1304 |
| LB      | 260 | 292 | 288   | 338     | 369  | 419  | 437  | 463  | 529   | 552   | 662  |
| LBS     | 353 | 385 | 382   | 432     | 481  | 531  | 575  | 600  | 718   | 741   | 867  |

33 068 00 14

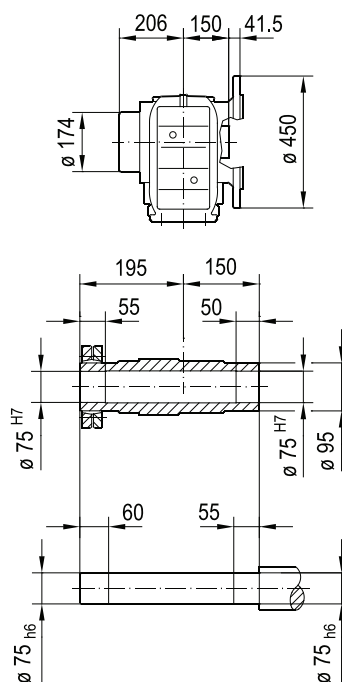
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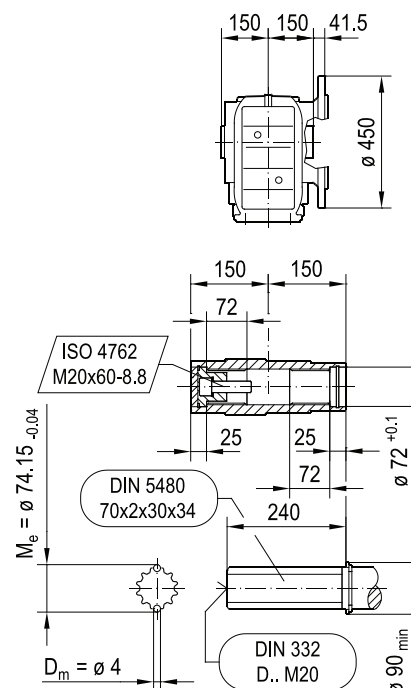
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## KHF97..



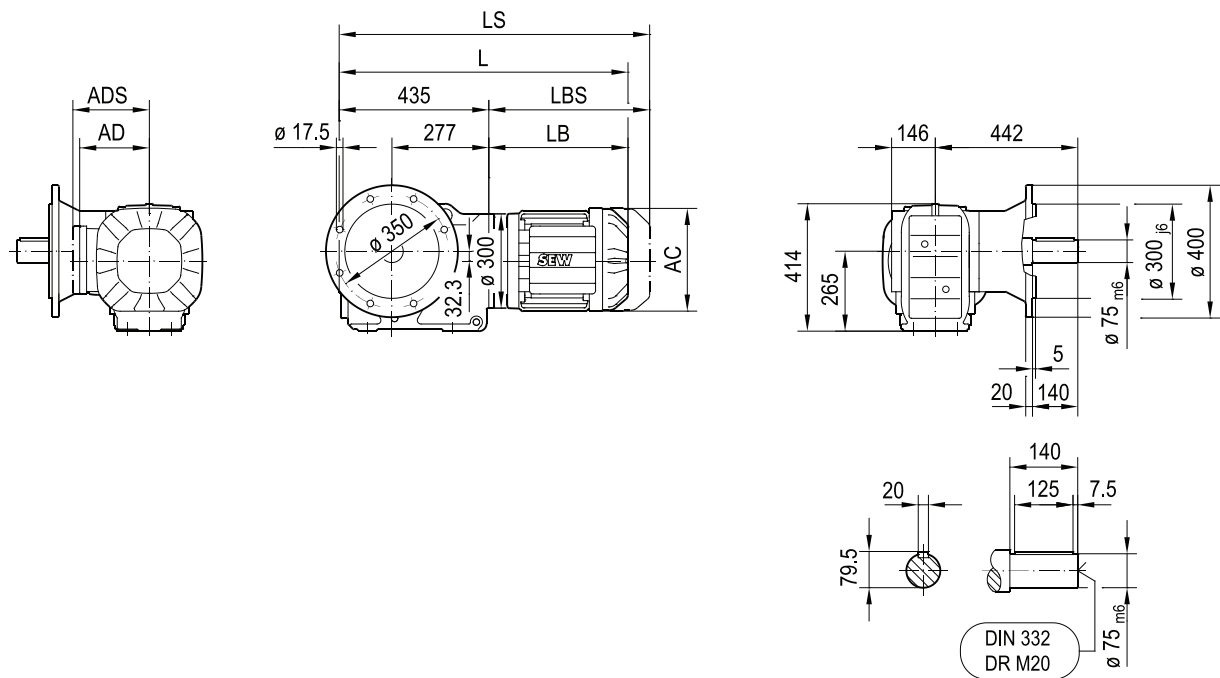
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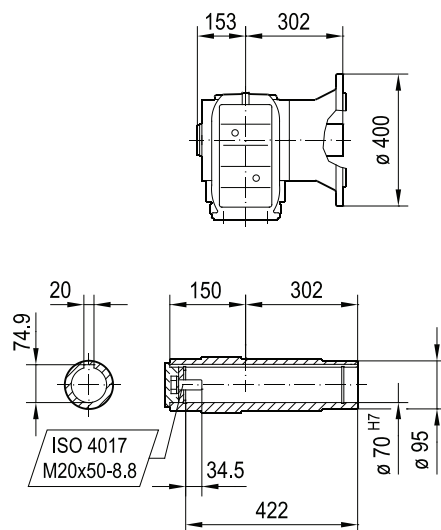
| ( $\rightarrow$ 7.3) | DRN |     |       |         |      |      |      |      |       |       |      |
|----------------------|-----|-----|-------|---------|------|------|------|------|-------|-------|------|
|                      | 90S | 90L | 100LS | 100L/LM | 112M | 132S | 132M | 132L | 160.. | 180.. | 200L |
| AC                   | 179 | 179 | 197   | 197     | 221  | 221  | 261  | 261  | 314   | 357   | 394  |
| AD                   | 140 | 140 | 157   | 157     | 170  | 170  | 228  | 228  | 253   | 268   | 283  |
| ADS                  | 150 | 150 | 158   | 158     | 172  | 172  | 228  | 228  | 253   | 268   | 283  |
| L                    | 695 | 727 | 723   | 773     | 804  | 854  | 872  | 898  | 964   | 987   | 1097 |
| LS                   | 788 | 820 | 817   | 867     | 916  | 966  | 1010 | 1035 | 1153  | 1176  | 1302 |
| LB                   | 260 | 292 | 288   | 338     | 369  | 419  | 437  | 463  | 529   | 552   | 662  |
| LBS                  | 353 | 385 | 382   | 432     | 481  | 531  | 575  | 600  | 718   | 741   | 867  |

**KM97..**

33 273 00 17



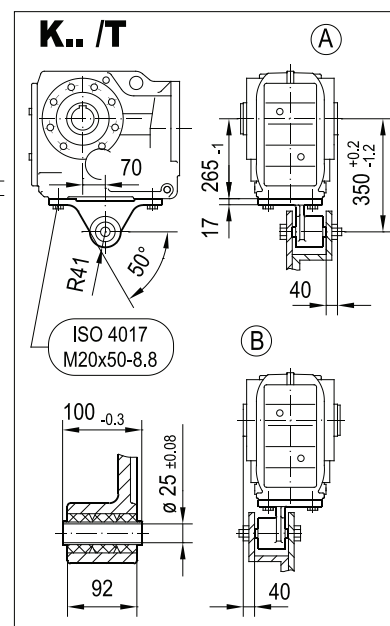
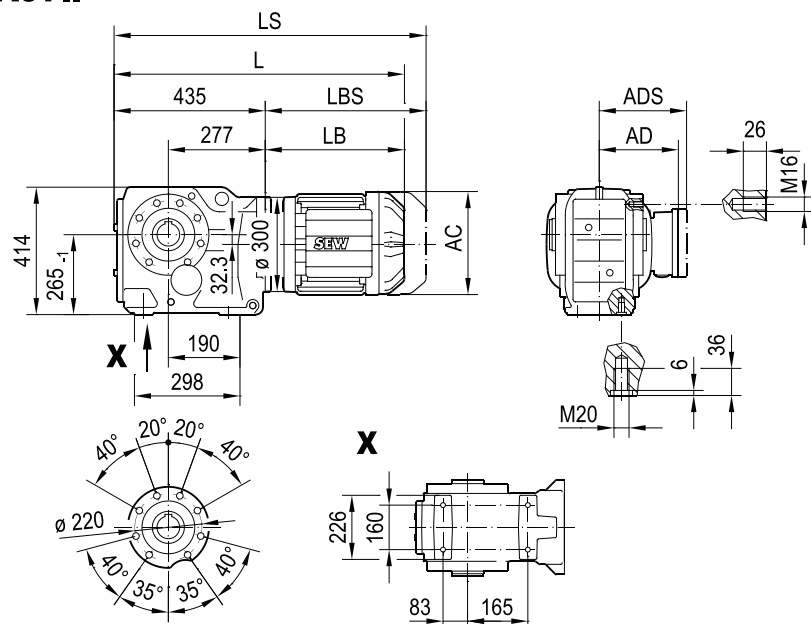
**KAM97..**



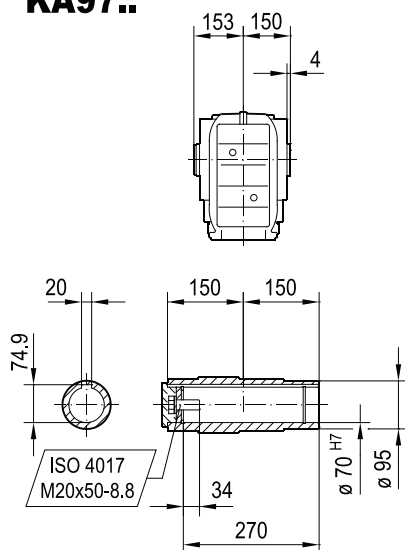
| (→ 7.3) | DRN |     |       |         |      |      |      |      |       |       |      |
|---------|-----|-----|-------|---------|------|------|------|------|-------|-------|------|
|         | 90S | 90L | 100LS | 100L/LM | 112M | 132S | 132M | 132L | 160.. | 180.. | 200L |
| AC      | 179 | 179 | 197   | 197     | 221  | 221  | 261  | 261  | 314   | 357   | 394  |
| AD      | 140 | 140 | 157   | 157     | 170  | 170  | 228  | 228  | 253   | 268   | 283  |
| ADS     | 150 | 150 | 158   | 158     | 172  | 172  | 228  | 228  | 253   | 268   | 283  |
| L       | 695 | 727 | 723   | 773     | 804  | 854  | 872  | 898  | 964   | 987   | 1097 |
| LS      | 788 | 820 | 817   | 867     | 916  | 966  | 1010 | 1035 | 1153  | 1176  | 1302 |
| LB      | 260 | 292 | 288   | 338     | 369  | 419  | 437  | 463  | 529   | 552   | 662  |
| LBS     | 353 | 385 | 382   | 432     | 481  | 531  | 575  | 600  | 718   | 741   | 867  |

**33 069 00 14**

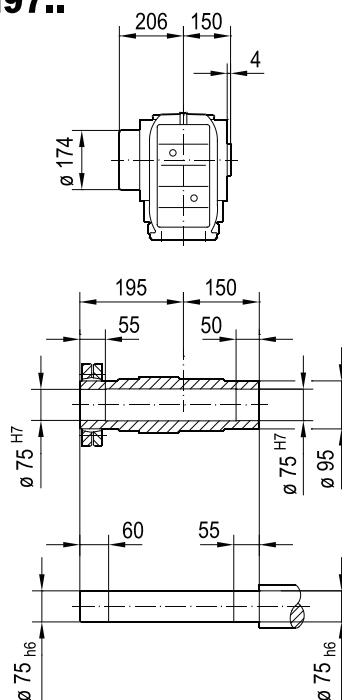
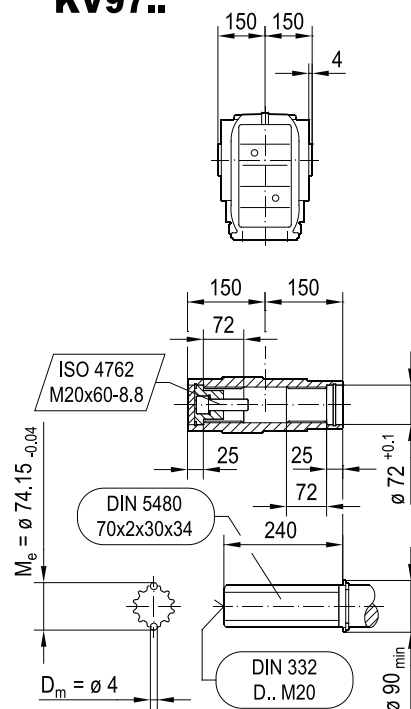
## KA97..



## KA97..



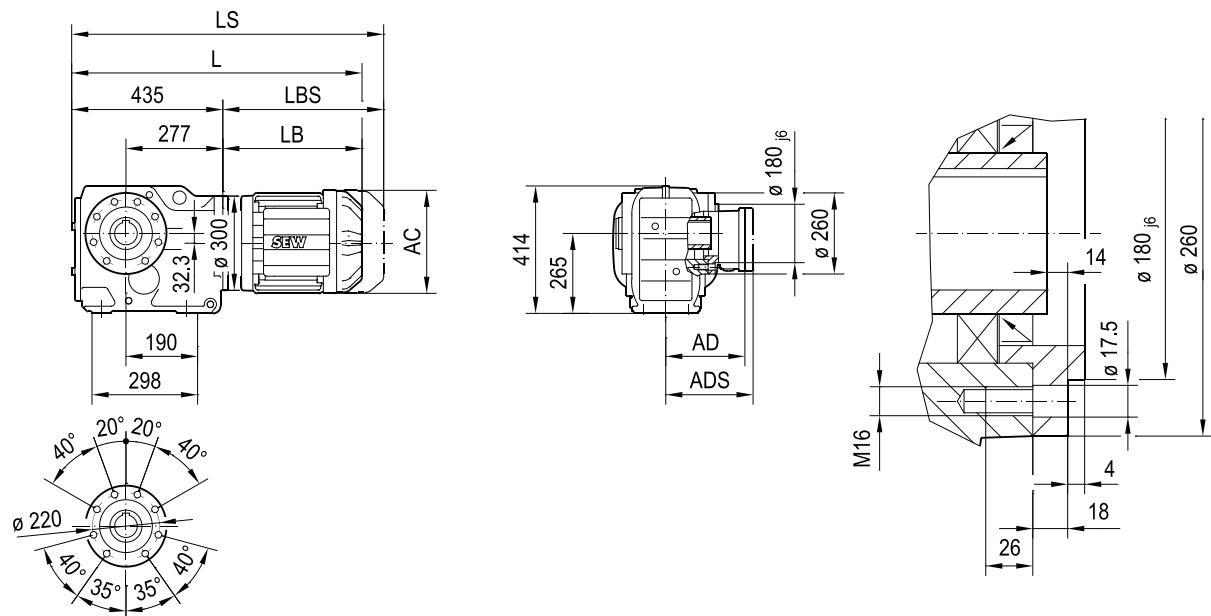
## KH97..

**KV97..**

| (→ 📖 7.3) | DRN |     |       |         |      |      |      |      |       |       |      |
|-----------|-----|-----|-------|---------|------|------|------|------|-------|-------|------|
|           | 90S | 90L | 100LS | 100L/LM | 112M | 132S | 132M | 132L | 160.. | 180.. | 200L |
| AC        | 179 | 179 | 197   | 197     | 221  | 221  | 261  | 261  | 314   | 357   | 394  |
| AD        | 140 | 140 | 157   | 157     | 170  | 170  | 228  | 228  | 253   | 268   | 283  |
| ADS       | 150 | 150 | 158   | 158     | 172  | 172  | 228  | 228  | 253   | 268   | 283  |
| L         | 695 | 727 | 723   | 773     | 804  | 854  | 872  | 898  | 964   | 987   | 1097 |
| LS        | 788 | 820 | 817   | 867     | 916  | 966  | 1010 | 1035 | 1153  | 1176  | 1302 |
| LB        | 260 | 292 | 288   | 338     | 369  | 419  | 437  | 463  | 529   | 552   | 662  |
| LBS       | 353 | 385 | 382   | 432     | 481  | 531  | 575  | 600  | 718   | 741   | 867  |

**KAZ97..**

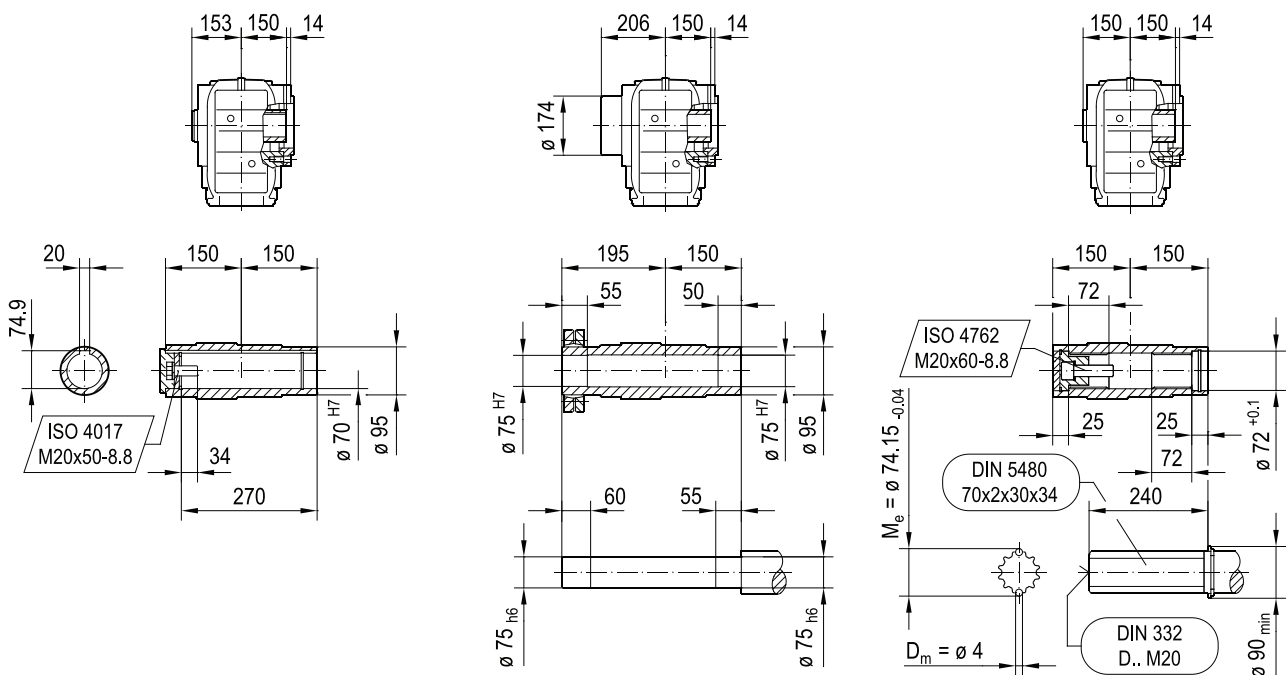
33 070 00 14



**KAZ97..**

**KHZ97..**

**KVZ97..**

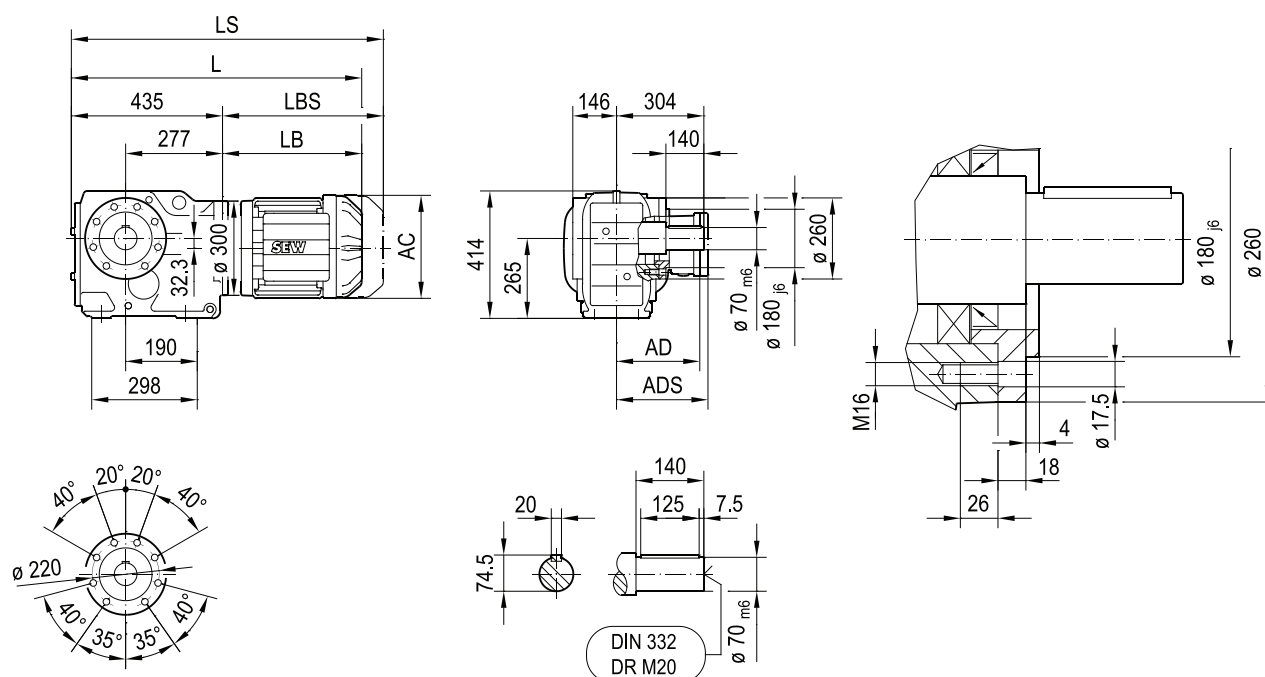


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| (→ 7.3) | DRN |     |       |         |      |      |      |      |       |       |      |
|---------|-----|-----|-------|---------|------|------|------|------|-------|-------|------|
|         | 90S | 90L | 100LS | 100L/LM | 112M | 132S | 132M | 132L | 160.. | 180.. | 200L |
| AC      | 179 | 179 | 197   | 197     | 221  | 221  | 261  | 261  | 314   | 357   | 394  |
| AD      | 140 | 140 | 157   | 157     | 170  | 170  | 228  | 228  | 253   | 268   | 283  |
| ADS     | 150 | 150 | 158   | 158     | 172  | 172  | 228  | 228  | 253   | 268   | 283  |
| L       | 695 | 727 | 723   | 773     | 804  | 854  | 872  | 898  | 964   | 987   | 1097 |
| LS      | 788 | 820 | 817   | 867     | 916  | 966  | 1010 | 1035 | 1153  | 1176  | 1302 |
| LB      | 260 | 292 | 288   | 338     | 369  | 419  | 437  | 463  | 529   | 552   | 662  |
| LBS     | 353 | 385 | 382   | 432     | 481  | 531  | 575  | 600  | 718   | 741   | 867  |

**33 238 00 15**

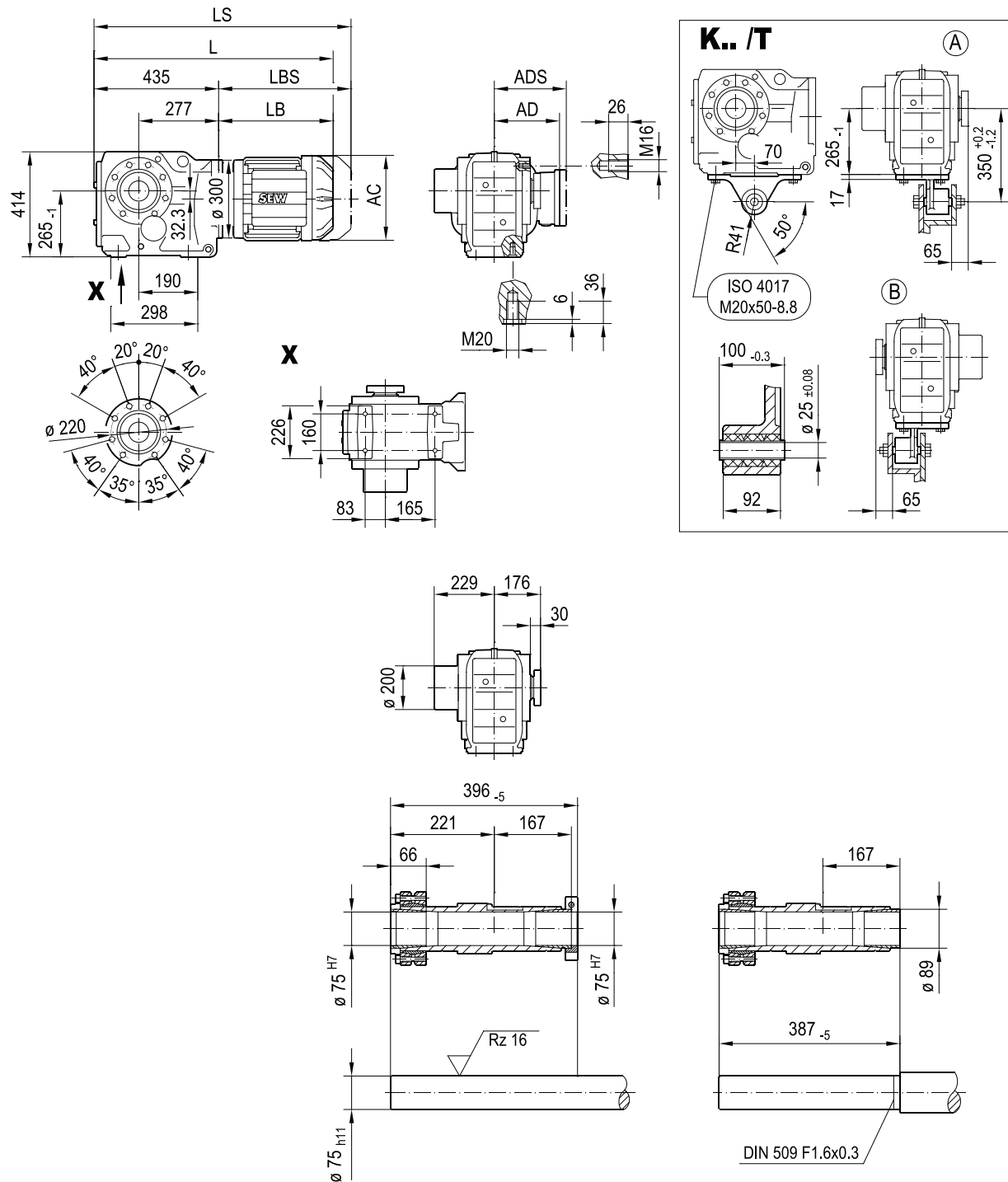
**KZ97..**



| (→ 📖 7.3) | DRN |     |       |         |      |      |      |      |       |       |      |
|-----------|-----|-----|-------|---------|------|------|------|------|-------|-------|------|
|           | 90S | 90L | 100LS | 100L/LM | 112M | 132S | 132M | 132L | 160.. | 180.. | 200L |
| AC        | 179 | 179 | 197   | 197     | 221  | 221  | 261  | 261  | 314   | 357   | 394  |
| AD        | 140 | 140 | 157   | 157     | 170  | 170  | 228  | 228  | 253   | 268   | 283  |
| ADS       | 150 | 150 | 158   | 158     | 172  | 172  | 228  | 228  | 253   | 268   | 283  |
| L         | 695 | 727 | 723   | 773     | 804  | 854  | 872  | 898  | 964   | 987   | 1097 |
| LS        | 788 | 820 | 817   | 867     | 916  | 966  | 1010 | 1035 | 1153  | 1176  | 1302 |
| LB        | 260 | 292 | 288   | 338     | 369  | 419  | 437  | 463  | 529   | 552   | 662  |
| LBS       | 353 | 385 | 382   | 432     | 481  | 531  | 575  | 600  | 718   | 741   | 867  |

**KT97..**

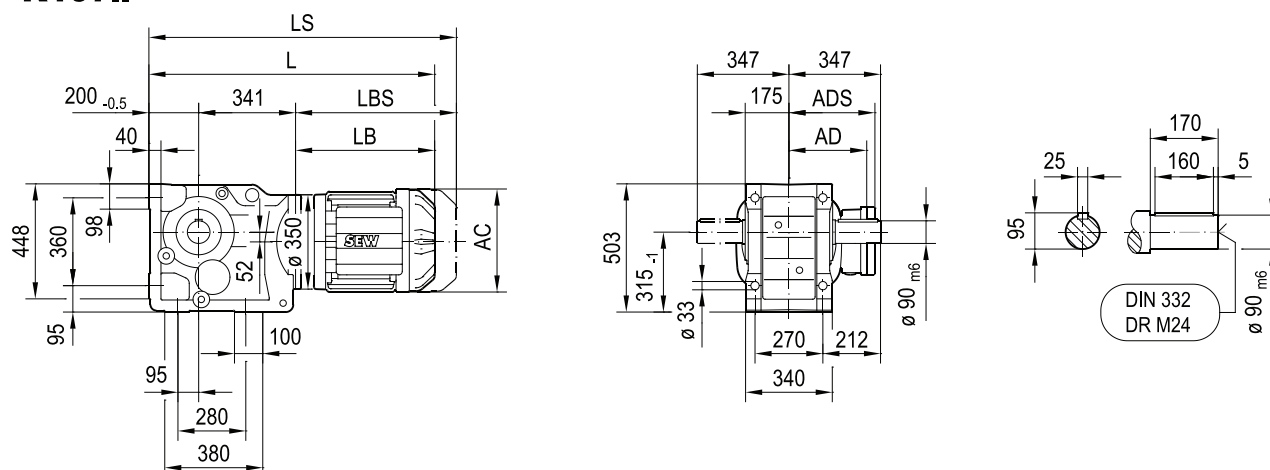
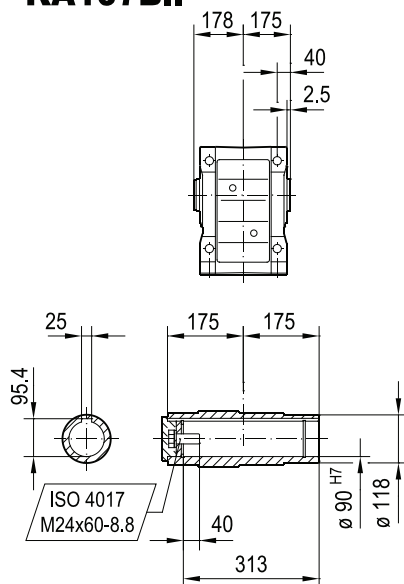
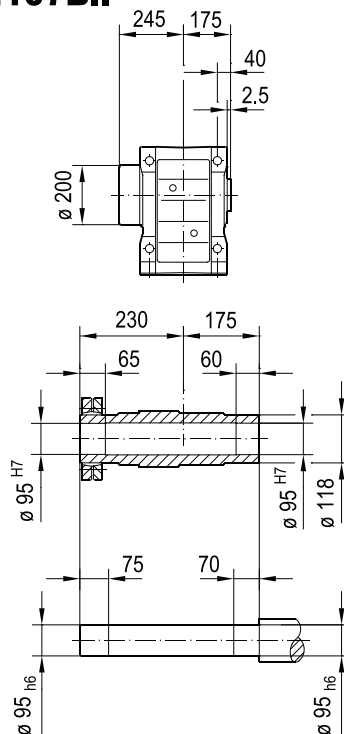
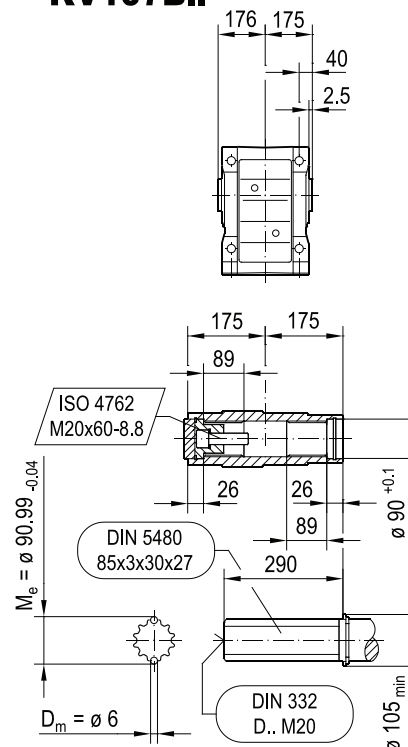
**33 071 01 14**



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| (→ 📖 7.3) | DRN |     |       |         |      |      |      |      |       |       |      |
|-----------|-----|-----|-------|---------|------|------|------|------|-------|-------|------|
|           | 90S | 90L | 100LS | 100L/LM | 112M | 132S | 132M | 132L | 160.. | 180.. | 200L |
| AC        | 179 | 179 | 197   | 197     | 221  | 221  | 261  | 261  | 314   | 357   | 394  |
| AD        | 140 | 140 | 157   | 157     | 170  | 170  | 228  | 228  | 253   | 268   | 283  |
| ADS       | 150 | 150 | 158   | 158     | 172  | 172  | 228  | 228  | 253   | 268   | 283  |
| L         | 695 | 727 | 723   | 773     | 804  | 854  | 872  | 898  | 964   | 987   | 1097 |
| LS        | 788 | 820 | 817   | 867     | 916  | 966  | 1010 | 1035 | 1153  | 1176  | 1302 |
| LB        | 260 | 292 | 288   | 338     | 369  | 419  | 437  | 463  | 529   | 552   | 662  |
| LBS       | 353 | 385 | 382   | 432     | 481  | 531  | 575  | 600  | 718   | 741   | 867  |

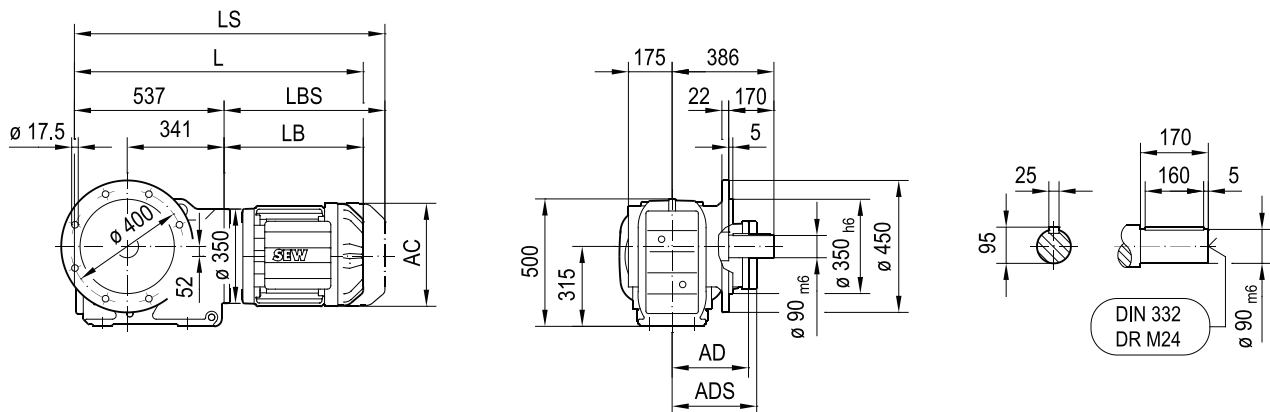
33 072 00 14

**K107..****KA107B..****KH107B..****KV107B..**

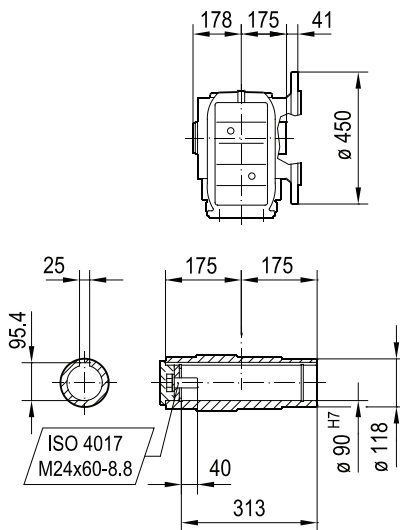
| (→ 7.3) | DRN     |      |      |      |      |       |       |      |       |
|---------|---------|------|------|------|------|-------|-------|------|-------|
|         | 100L/LM | 112M | 132S | 132M | 132L | 160.. | 180.. | 200L | 225.. |
| AC      | 197     | 221  | 221  | 261  | 261  | 314   | 357   | 394  | 434   |
| AD      | 157     | 170  | 170  | 228  | 228  | 253   | 268   | 283  | 305   |
| ADS     | 158     | 172  | 172  | 228  | 228  | 253   | 268   | 283  | 305   |
| L       | 873     | 904  | 954  | 972  | 998  | 1064  | 1087  | 1197 | 1171  |
| LS      | 967     | 1016 | 1066 | 1110 | 1135 | 1253  | 1276  | 1402 | 1376  |
| LB      | 332     | 363  | 413  | 431  | 457  | 523   | 546   | 656  | 630   |
| LBS     | 426     | 475  | 525  | 569  | 594  | 712   | 735   | 861  | 835   |

**KF107..**

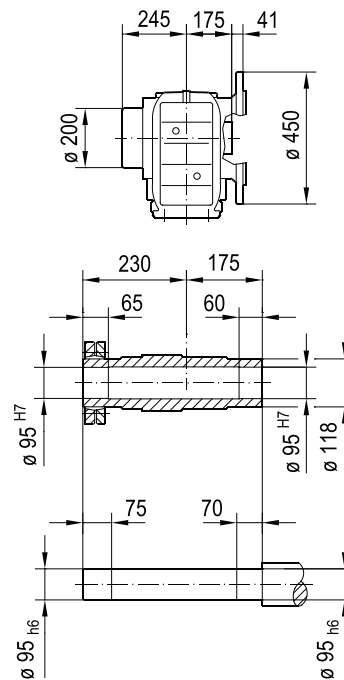
**33 073 00 14**



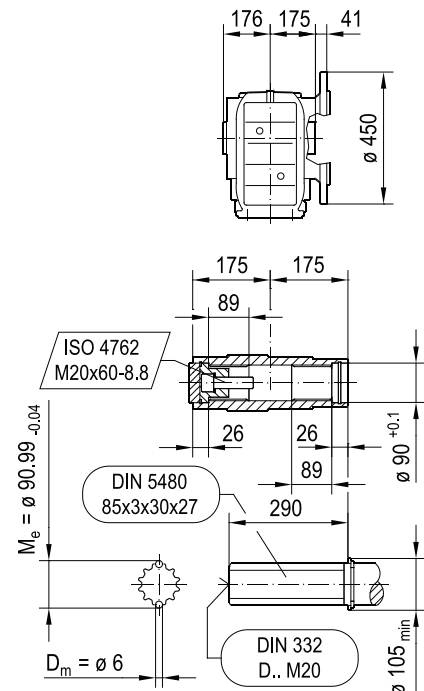
**KAF107..**



## KHF107..



**KVF107..**

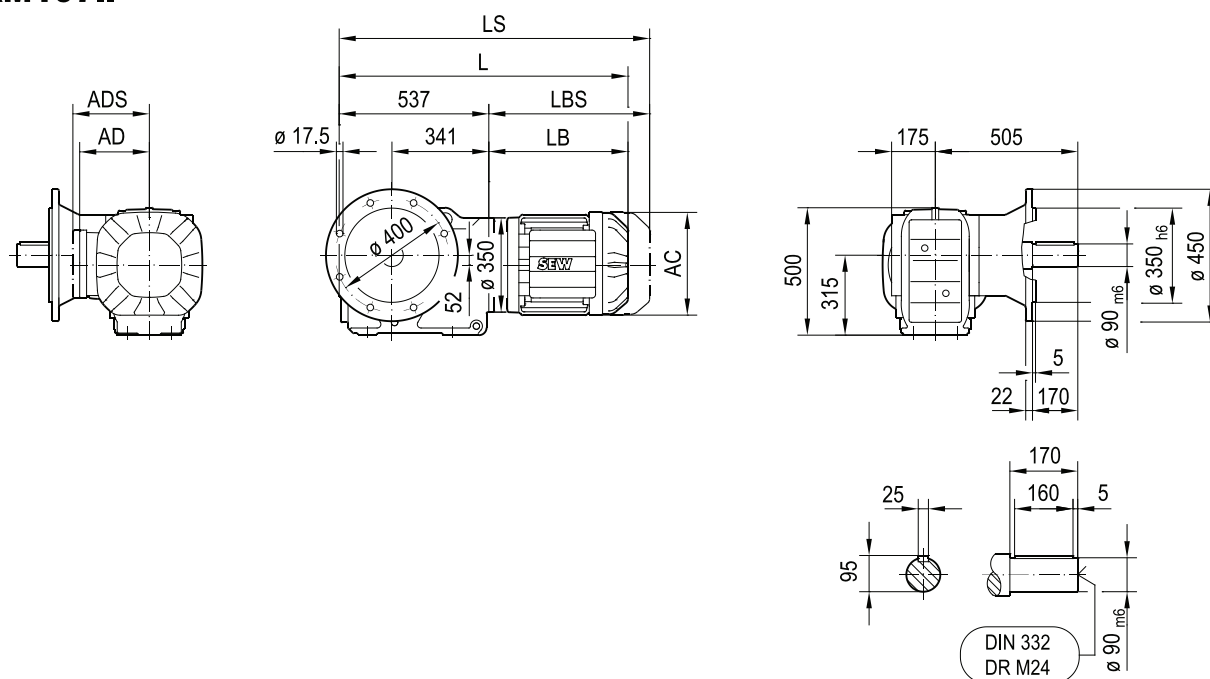


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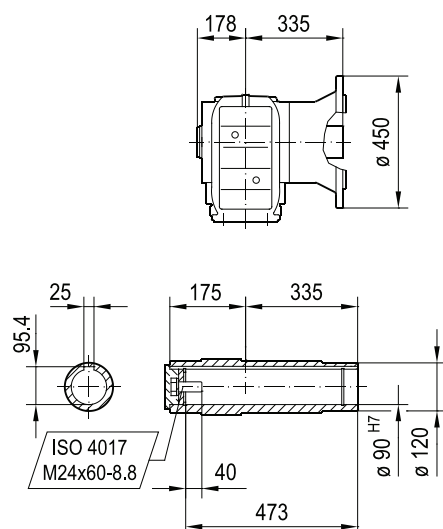
| (→ 📖 7.3) | DRN     |      |      |      |      |       |       |      |       |
|-----------|---------|------|------|------|------|-------|-------|------|-------|
|           | 100L/LM | 112M | 132S | 132M | 132L | 160.. | 180.. | 200L | 225.. |
| AC        | 197     | 221  | 221  | 261  | 261  | 314   | 357   | 394  | 434   |
| AD        | 157     | 170  | 170  | 228  | 228  | 253   | 268   | 283  | 305   |
| ADS       | 158     | 172  | 172  | 228  | 228  | 253   | 268   | 283  | 305   |
| L         | 869     | 900  | 950  | 968  | 994  | 1060  | 1083  | 1193 | 1167  |
| LS        | 963     | 1012 | 1062 | 1106 | 1131 | 1249  | 1272  | 1398 | 1372  |
| LB        | 332     | 363  | 413  | 431  | 457  | 523   | 546   | 656  | 630   |
| LBS       | 426     | 475  | 525  | 569  | 594  | 712   | 735   | 861  | 835   |

## KM107..

33 274 00 17



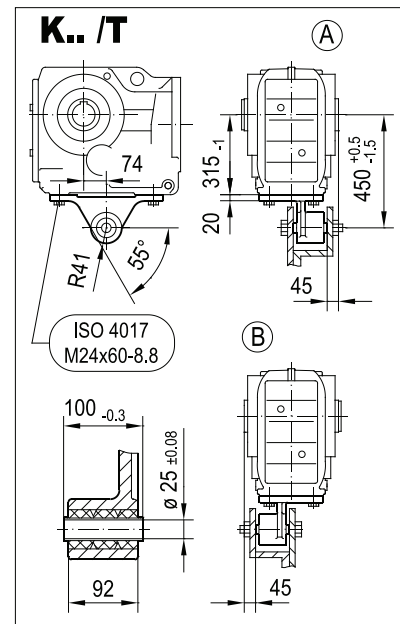
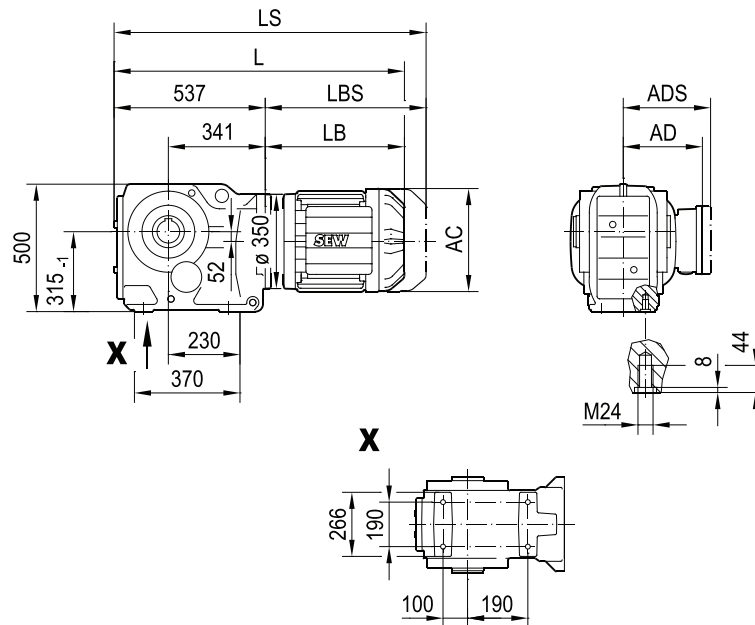
## KAM107..



| (→ 7.3) | DRN     |      |      |      |      |       |       |      |       |
|---------|---------|------|------|------|------|-------|-------|------|-------|
|         | 100L/LM | 112M | 132S | 132M | 132L | 160.. | 180.. | 200L | 225.. |
| AC      | 197     | 221  | 221  | 261  | 261  | 314   | 357   | 394  | 434   |
| AD      | 157     | 170  | 170  | 228  | 228  | 253   | 268   | 283  | 305   |
| ADS     | 158     | 172  | 172  | 228  | 228  | 253   | 268   | 283  | 305   |
| L       | 869     | 900  | 950  | 968  | 994  | 1060  | 1083  | 1193 | 1167  |
| LS      | 963     | 1012 | 1062 | 1106 | 1131 | 1249  | 1272  | 1398 | 1372  |
| LB      | 332     | 363  | 413  | 431  | 457  | 523   | 546   | 656  | 630   |
| LBS     | 426     | 475  | 525  | 569  | 594  | 712   | 735   | 861  | 835   |

KA107..

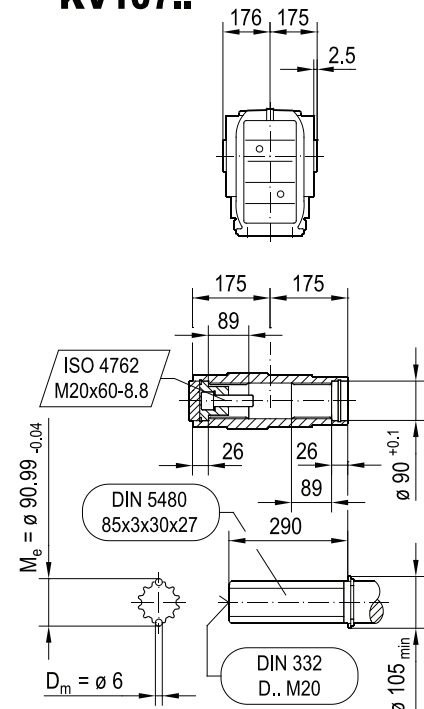
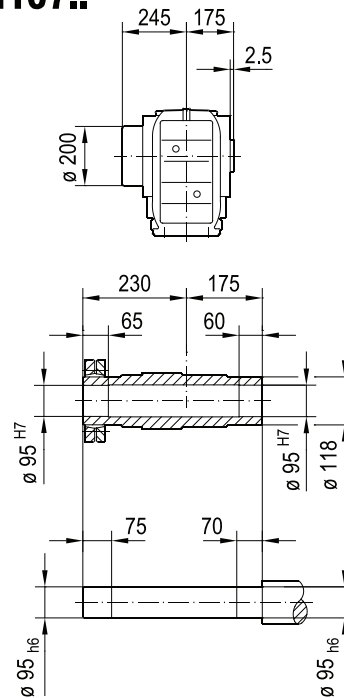
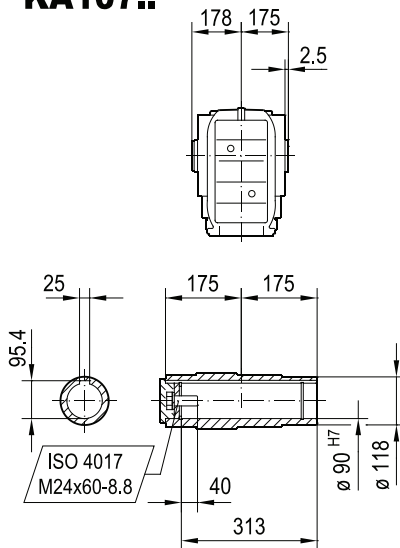
33 074 00 14



KA107..

KH107..

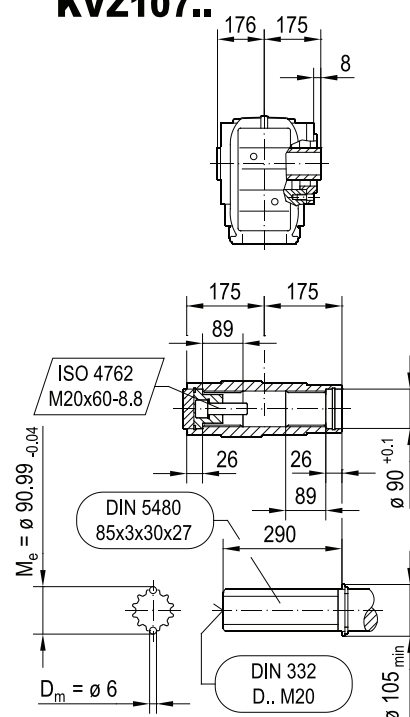
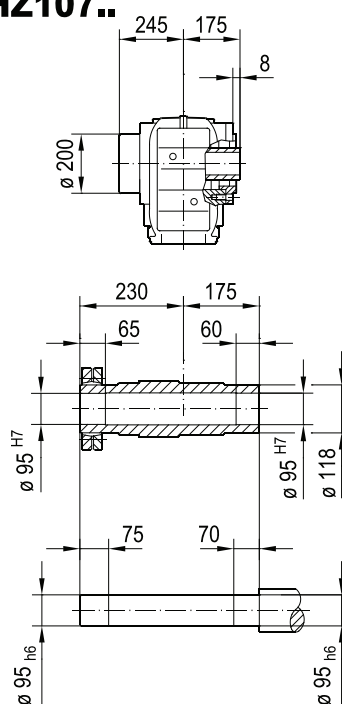
KV107..



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| (→ 7.3) | DRN     |      |      |      |      |       |       |      |       |
|---------|---------|------|------|------|------|-------|-------|------|-------|
|         | 100L/LM | 112M | 132S | 132M | 132L | 160.. | 180.. | 200L | 225.. |
| AC      | 197     | 221  | 221  | 261  | 261  | 314   | 357   | 394  | 434   |
| AD      | 157     | 170  | 170  | 228  | 228  | 253   | 268   | 283  | 305   |
| ADS     | 158     | 172  | 172  | 228  | 228  | 253   | 268   | 283  | 305   |
| L       | 869     | 900  | 950  | 968  | 994  | 1060  | 1083  | 1193 | 1167  |
| LS      | 963     | 1012 | 1062 | 1106 | 1131 | 1249  | 1272  | 1398 | 1372  |
| LB      | 332     | 363  | 413  | 431  | 457  | 523   | 546   | 656  | 630   |
| LBS     | 426     | 475  | 525  | 569  | 594  | 712   | 735   | 861  | 835   |

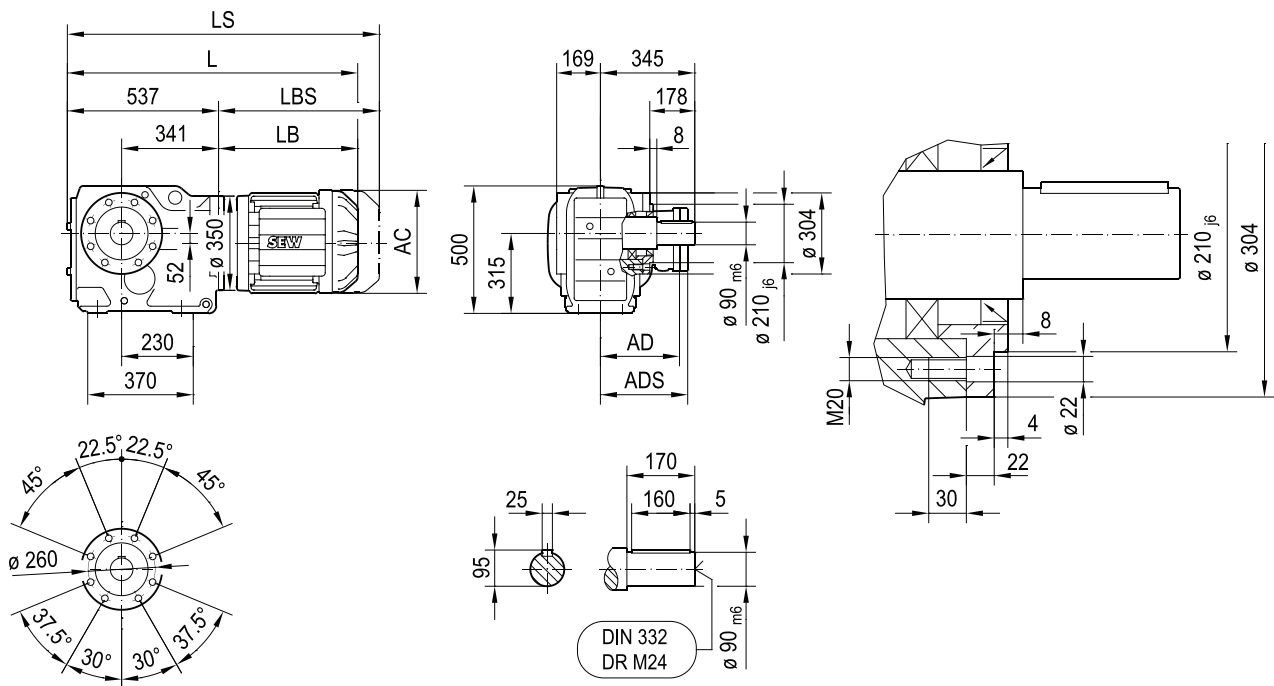
**KAZ107..**



| (→ 🏠 7.3) | DRN     |      |      |      |      |       |       |      |       |
|-----------|---------|------|------|------|------|-------|-------|------|-------|
|           | 100L/LM | 112M | 132S | 132M | 132L | 160.. | 180.. | 200L | 225.. |
| AC        | 197     | 221  | 221  | 261  | 261  | 314   | 357   | 394  | 434   |
| AD        | 157     | 170  | 170  | 228  | 228  | 253   | 268   | 283  | 305   |
| ADS       | 158     | 172  | 172  | 228  | 228  | 253   | 268   | 283  | 305   |
| L         | 869     | 900  | 950  | 968  | 994  | 1060  | 1083  | 1193 | 1167  |
| LS        | 963     | 1012 | 1062 | 1106 | 1131 | 1249  | 1272  | 1398 | 1372  |
| LB        | 332     | 363  | 413  | 431  | 457  | 523   | 546   | 656  | 630   |
| LBS       | 426     | 475  | 525  | 569  | 594  | 712   | 735   | 861  | 835   |

**KZ107..**

**33 239 01 15**



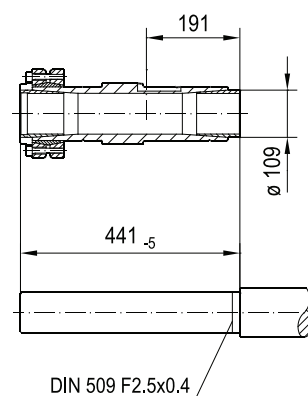
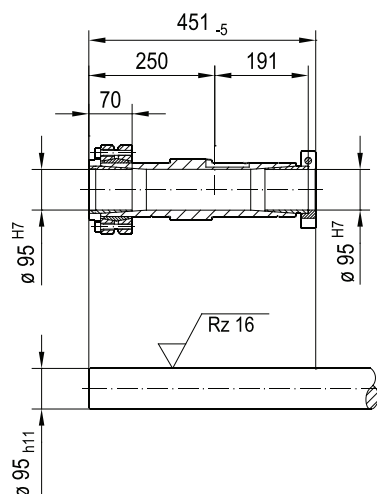
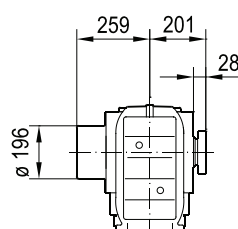
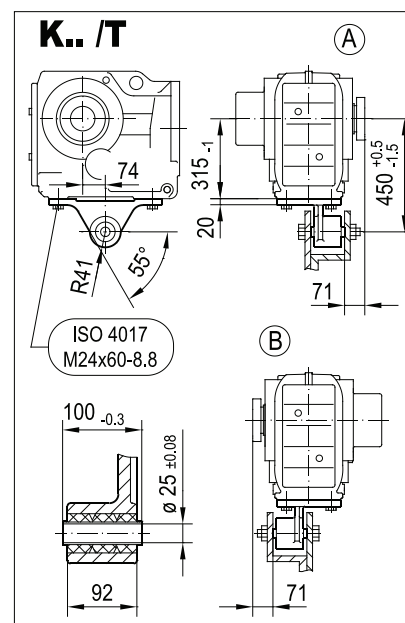
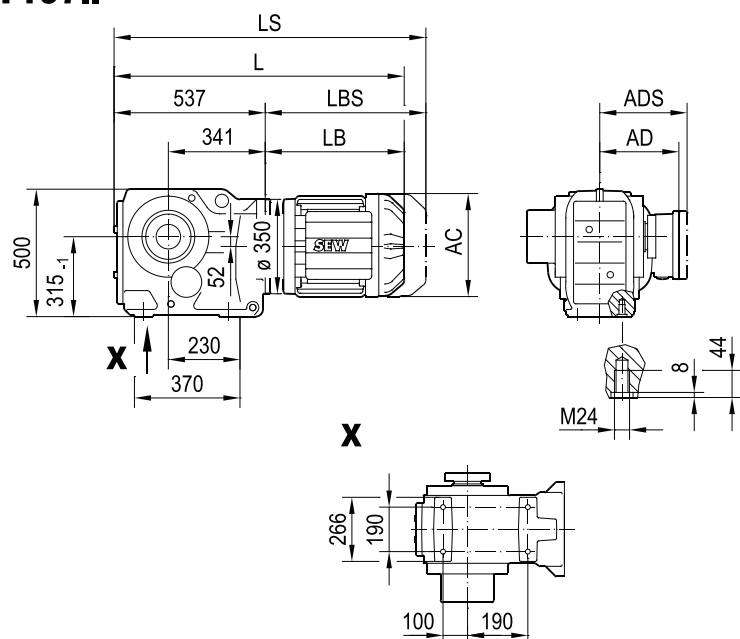
10

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| (→ 7.3) | DRN     |      |      |      |      |       |       |      |       |
|---------|---------|------|------|------|------|-------|-------|------|-------|
|         | 100L/LM | 112M | 132S | 132M | 132L | 160.. | 180.. | 200L | 225.. |
| AC      | 197     | 221  | 221  | 261  | 261  | 314   | 357   | 394  | 434   |
| AD      | 157     | 170  | 170  | 228  | 228  | 253   | 268   | 283  | 305   |
| ADS     | 158     | 172  | 172  | 228  | 228  | 253   | 268   | 283  | 305   |
| L       | 869     | 900  | 950  | 968  | 994  | 1060  | 1083  | 1193 | 1167  |
| LS      | 963     | 1012 | 1062 | 1106 | 1131 | 1249  | 1272  | 1398 | 1372  |
| LB      | 332     | 363  | 413  | 431  | 457  | 523   | 546   | 656  | 630   |
| LBS     | 426     | 475  | 525  | 569  | 594  | 712   | 735   | 861  | 835   |

## KT107..

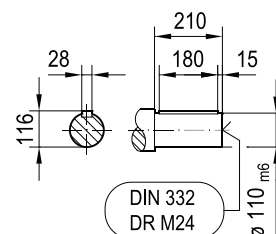
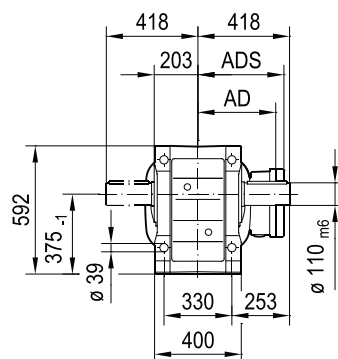
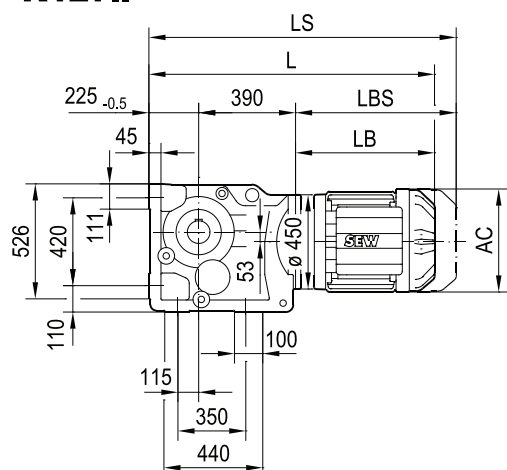
33 076 01 14



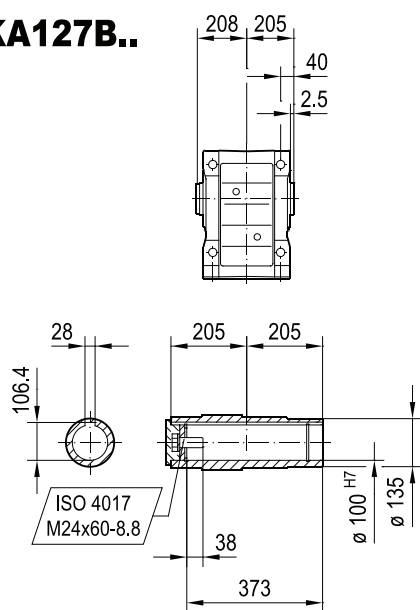
| (→ 7.3) | DRN     |      |      |      |      |       |       |      |       |
|---------|---------|------|------|------|------|-------|-------|------|-------|
|         | 100L/LM | 112M | 132S | 132M | 132L | 160.. | 180.. | 200L | 225.. |
| AC      | 197     | 221  | 221  | 261  | 261  | 314   | 357   | 394  | 434   |
| AD      | 157     | 170  | 170  | 228  | 228  | 253   | 268   | 283  | 305   |
| ADS     | 158     | 172  | 172  | 228  | 228  | 253   | 268   | 283  | 305   |
| L       | 869     | 900  | 950  | 968  | 994  | 1060  | 1083  | 1193 | 1167  |
| LS      | 963     | 1012 | 1062 | 1106 | 1131 | 1249  | 1272  | 1398 | 1372  |
| LB      | 332     | 363  | 413  | 431  | 457  | 523   | 546   | 656  | 630   |
| LBS     | 426     | 475  | 525  | 569  | 594  | 712   | 735   | 861  | 835   |

**K127..**

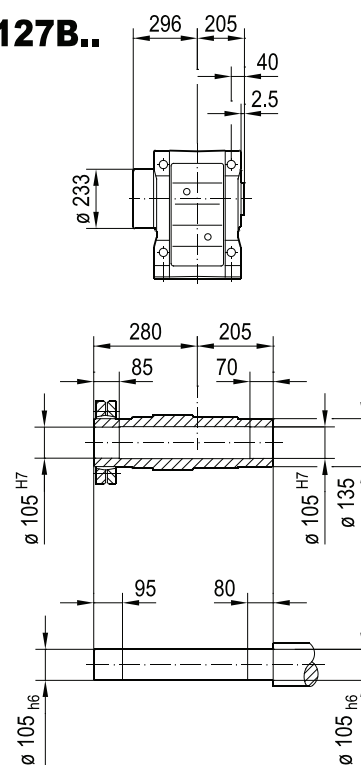
**33 077 00 14**



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**KA127B..**

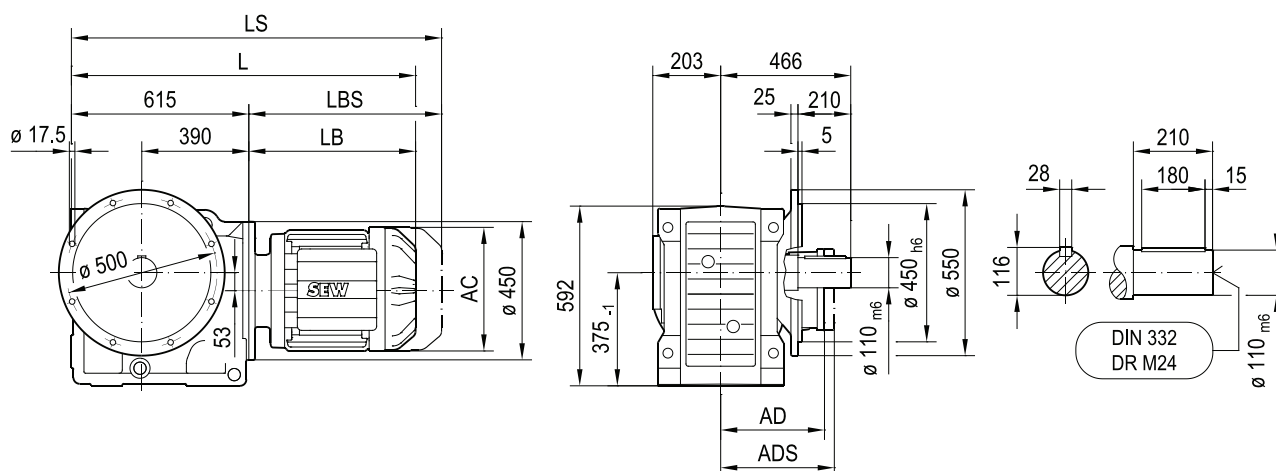
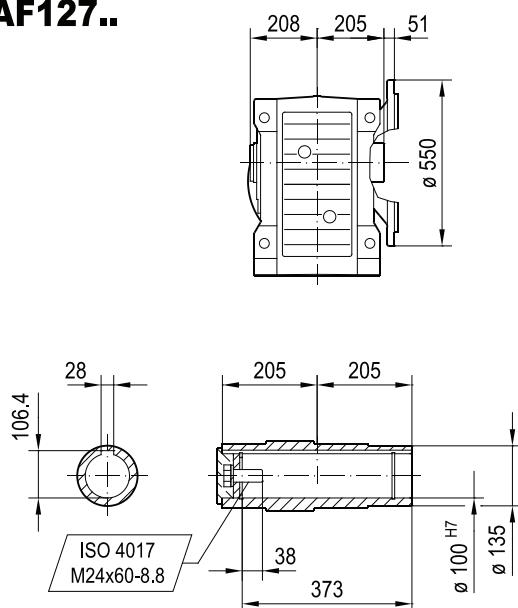
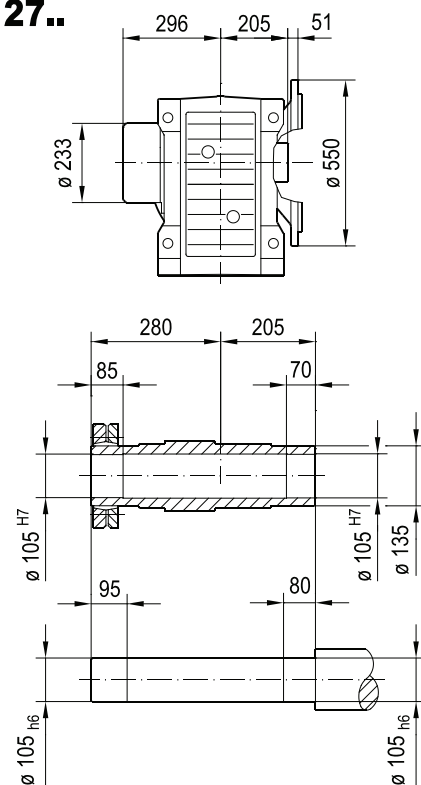
**KH127B..**



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| (→ 📖 7.3) | DRN  |      |      |       |       |      |       |      |      |      |
|-----------|------|------|------|-------|-------|------|-------|------|------|------|
|           | 132S | 132M | 132L | 160.. | 180.. | 200L | 225.. | 250M | 280S | 280M |
| AC        | 221  | 261  | 261  | 314   | 357   | 394  | 434   | 495  | 495  | 495  |
| AD        | 170  | 228  | 228  | 253   | 268   | 283  | 305   | 394  | 394  | 394  |
| ADS       | 172  | 228  | 228  | 253   | 268   | 283  | 305   | 394  | 394  | 394  |
| L         | 1013 | 1031 | 1057 | 1123  | 1146  | 1256 | 1230  | 1367 | 1367 | 1462 |
| LS        | 1125 | 1169 | 1194 | 1312  | 1335  | 1461 | 1435  | 1607 | 1607 | 1702 |
| LB        | 398  | 416  | 442  | 508   | 531   | 641  | 615   | 752  | 752  | 847  |
| LBS       | 510  | 554  | 579  | 697   | 720   | 846  | 820   | 992  | 992  | 1087 |

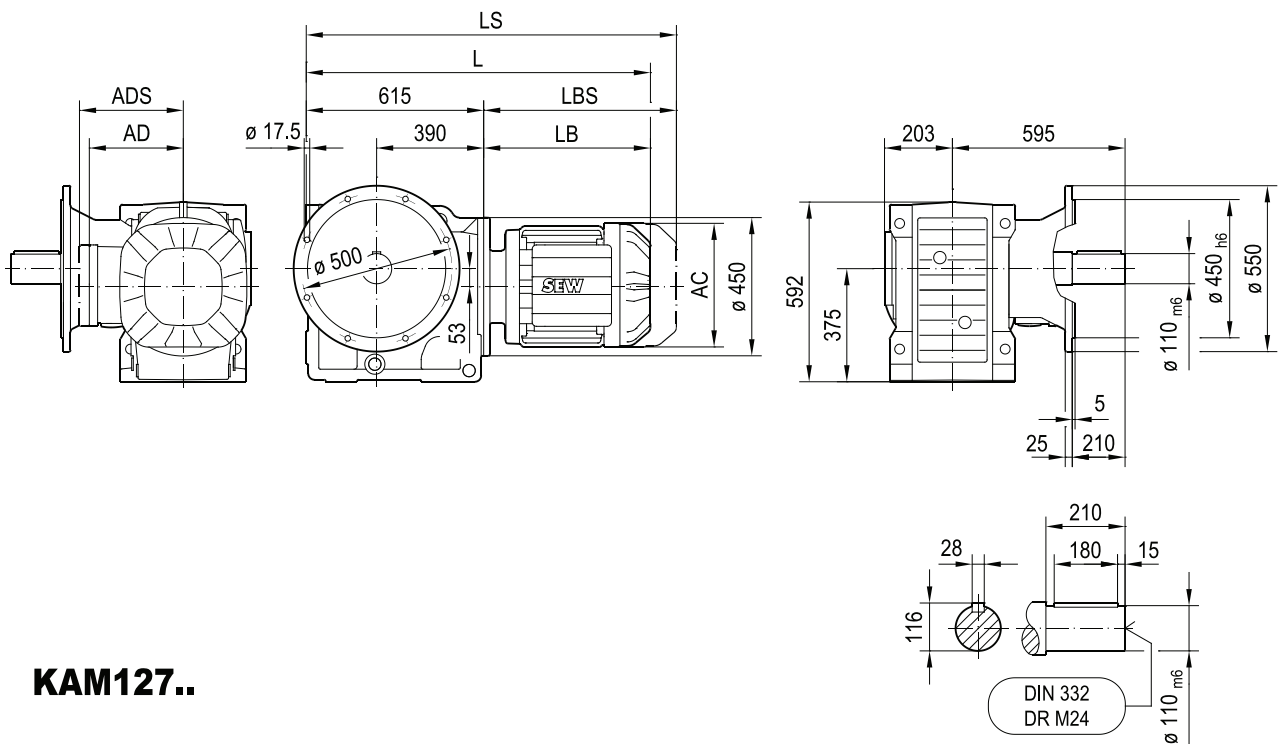
33 078 00 14

**KF127..****KAF127..****KHF127..**

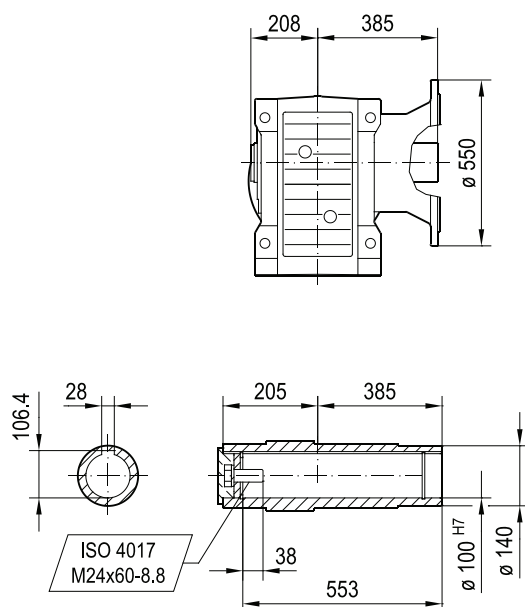
| (→ 7.3) | DRN  |      |      |       |       |      |       |      |      |      |
|---------|------|------|------|-------|-------|------|-------|------|------|------|
|         | 132S | 132M | 132L | 160.. | 180.. | 200L | 225.. | 250M | 280S | 280M |
| AC      | 221  | 261  | 261  | 314   | 357   | 394  | 434   | 495  | 495  | 495  |
| AD      | 170  | 228  | 228  | 253   | 268   | 283  | 305   | 394  | 394  | 394  |
| ADS     | 172  | 228  | 228  | 253   | 268   | 283  | 305   | 394  | 394  | 394  |
| L       | 1013 | 1031 | 1057 | 1123  | 1146  | 1256 | 1230  | 1367 | 1367 | 1462 |
| LS      | 1125 | 1169 | 1194 | 1312  | 1335  | 1461 | 1435  | 1607 | 1607 | 1702 |
| LB      | 398  | 416  | 442  | 508   | 531   | 641  | 615   | 752  | 752  | 847  |
| LBS     | 510  | 554  | 579  | 697   | 720   | 846  | 820   | 992  | 992  | 1087 |

33 275 00 17

# KM127..



# KAM127..

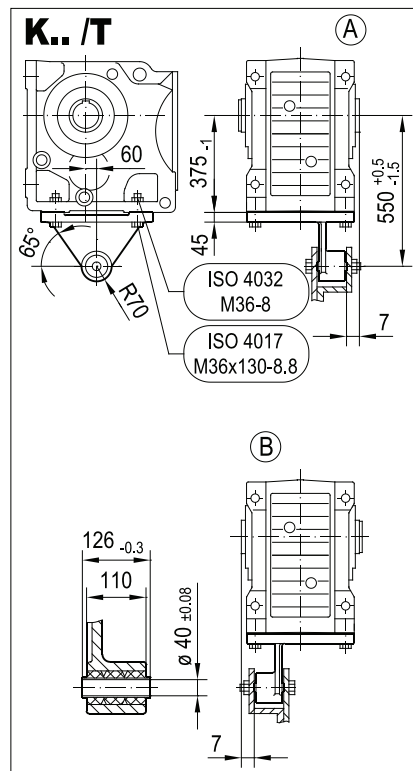
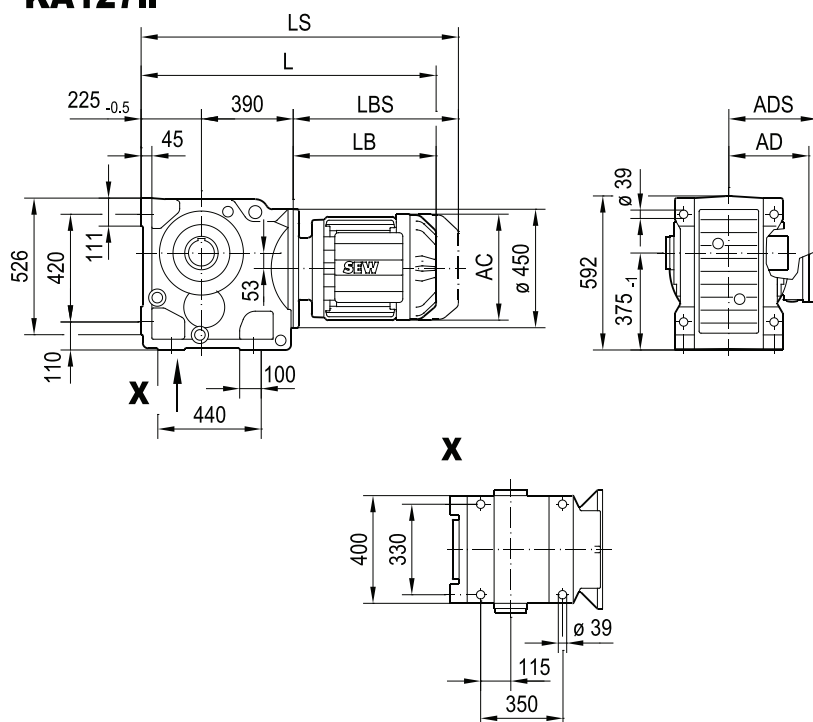


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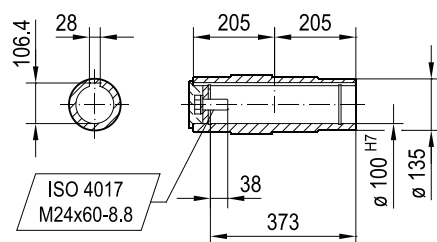
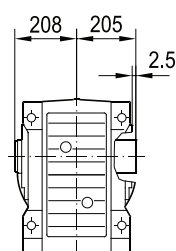
| <div> <div> <div></div> <div>(→ 7.3)</div> </div> </div> | DRN  |      |      |       |       |      |       |      |      |      |
|----------------------------------------------------------|------|------|------|-------|-------|------|-------|------|------|------|
|                                                          | 132S | 132M | 132L | 160.. | 180.. | 200L | 225.. | 250M | 280S | 280M |
| AC                                                       | 221  | 261  | 261  | 314   | 357   | 394  | 434   | 495  | 495  | 495  |
| AD                                                       | 170  | 228  | 228  | 253   | 268   | 283  | 305   | 394  | 394  | 394  |
| ADS                                                      | 172  | 228  | 228  | 253   | 268   | 283  | 305   | 394  | 394  | 394  |
| L                                                        | 1013 | 1031 | 1057 | 1123  | 1146  | 1256 | 1230  | 1367 | 1367 | 1462 |
| LS                                                       | 1125 | 1169 | 1194 | 1312  | 1335  | 1461 | 1435  | 1607 | 1607 | 1702 |
| LB                                                       | 398  | 416  | 442  | 508   | 531   | 641  | 615   | 752  | 752  | 847  |
| LBS                                                      | 510  | 554  | 579  | 697   | 720   | 846  | 820   | 992  | 992  | 1087 |

33 079 00 14

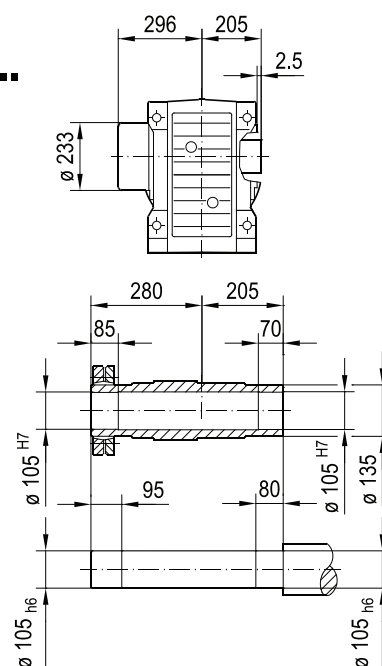
## KA127..



## KA127..



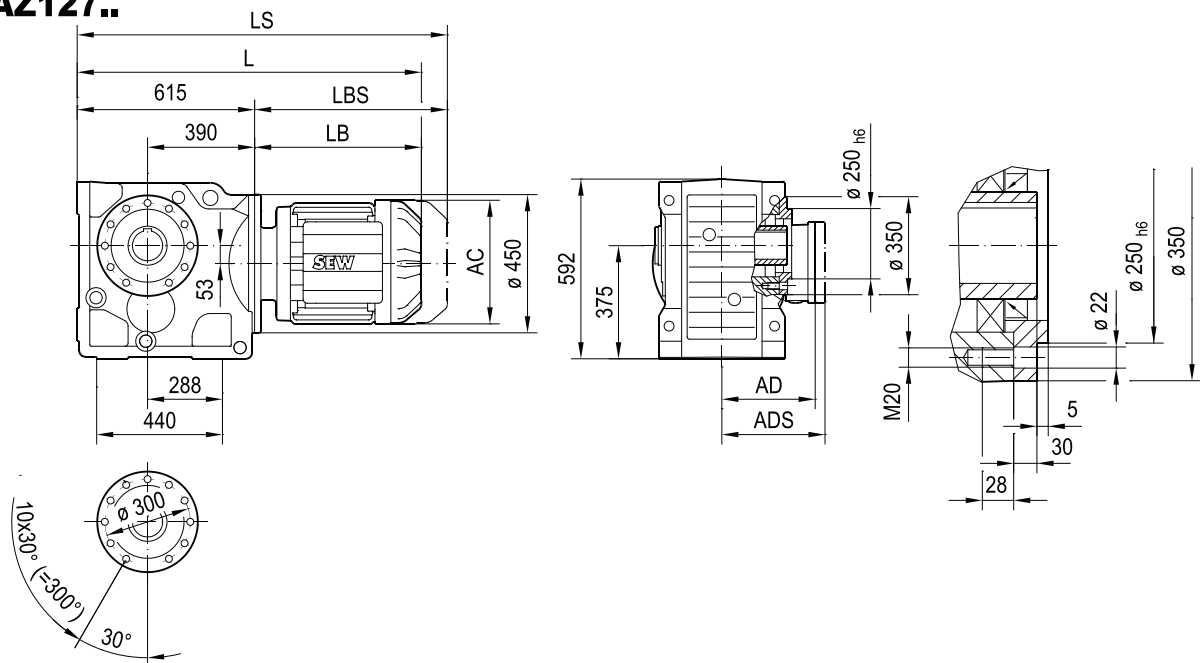
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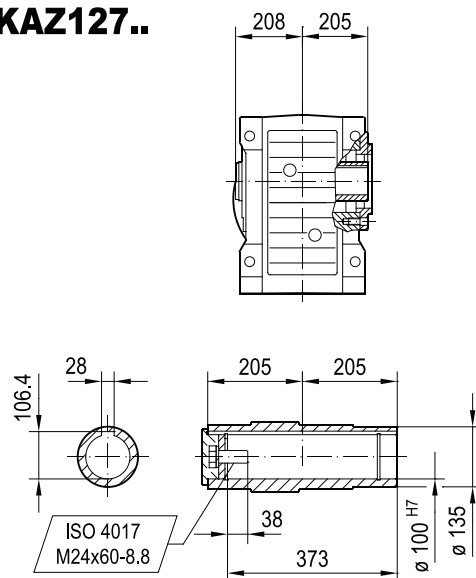
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|---------|------|------|------|-------|-------|------|-------|------|------|------|
|         | 132S | 132M | 132L | 160.. | 180.. | 200L | 225.. | 250M | 280S | 280M |
| AC      | 221  | 261  | 261  | 314   | 357   | 394  | 434   | 495  | 495  | 495  |
| AD      | 170  | 228  | 228  | 253   | 268   | 283  | 305   | 394  | 394  | 394  |
| ADS     | 172  | 228  | 228  | 253   | 268   | 283  | 305   | 394  | 394  | 394  |
| L       | 1013 | 1031 | 1057 | 1123  | 1146  | 1256 | 1230  | 1367 | 1367 | 1462 |
| LS      | 1125 | 1169 | 1194 | 1312  | 1335  | 1461 | 1435  | 1607 | 1607 | 1702 |
| LB      | 398  | 416  | 442  | 508   | 531   | 641  | 615   | 752  | 752  | 847  |
| LBS     | 510  | 554  | 579  | 697   | 720   | 846  | 820   | 992  | 992  | 1087 |

33 080 00 14

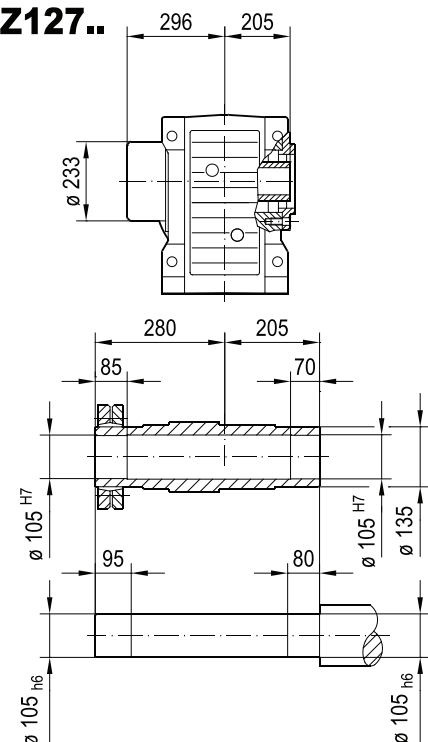
**KAZ127..**



**KAZ127..**

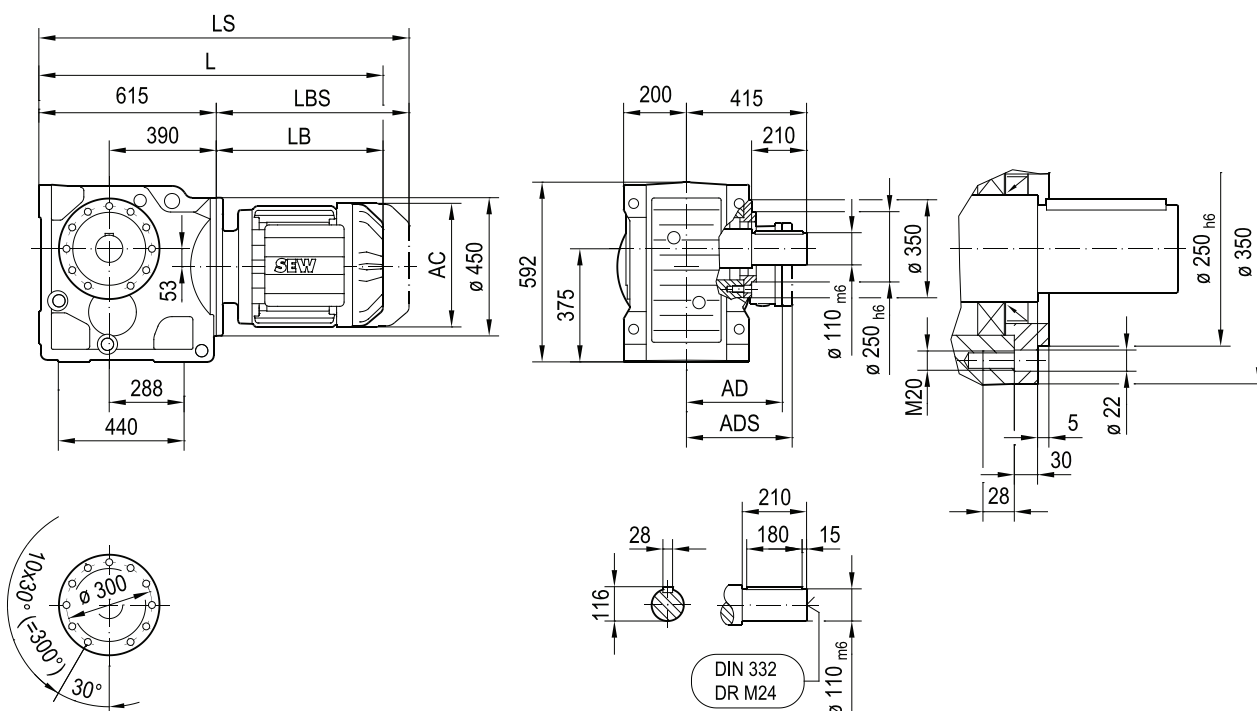


**KHZ127..**



| (→ 7.3) | DRN  |      |      |       |       |      |       |      |      |      |
|---------|------|------|------|-------|-------|------|-------|------|------|------|
|         | 132S | 132M | 132L | 160.. | 180.. | 200L | 225.. | 250M | 280S | 280M |
| AC      | 221  | 261  | 261  | 314   | 357   | 394  | 434   | 495  | 495  | 495  |
| AD      | 170  | 228  | 228  | 253   | 268   | 283  | 305   | 394  | 394  | 394  |
| ADS     | 172  | 228  | 228  | 253   | 268   | 283  | 305   | 394  | 394  | 394  |
| L       | 1013 | 1031 | 1057 | 1123  | 1146  | 1256 | 1230  | 1367 | 1367 | 1462 |
| LS      | 1125 | 1169 | 1194 | 1312  | 1335  | 1461 | 1435  | 1607 | 1607 | 1702 |
| LB      | 398  | 416  | 442  | 508   | 531   | 641  | 615   | 752  | 752  | 847  |
| LBS     | 510  | 554  | 579  | 697   | 720   | 846  | 820   | 992  | 992  | 1087 |

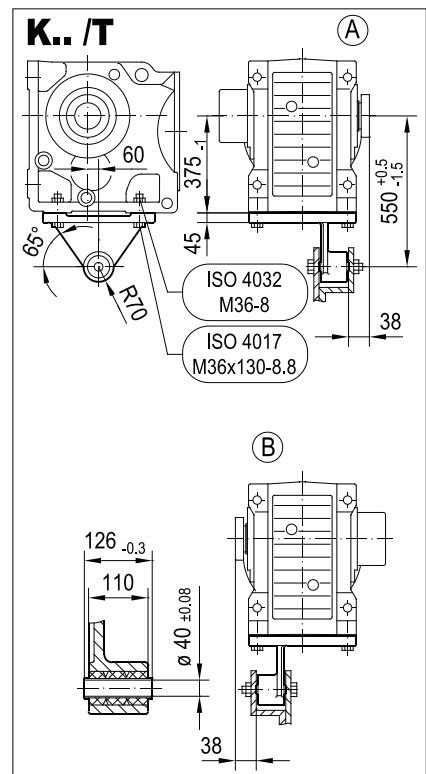
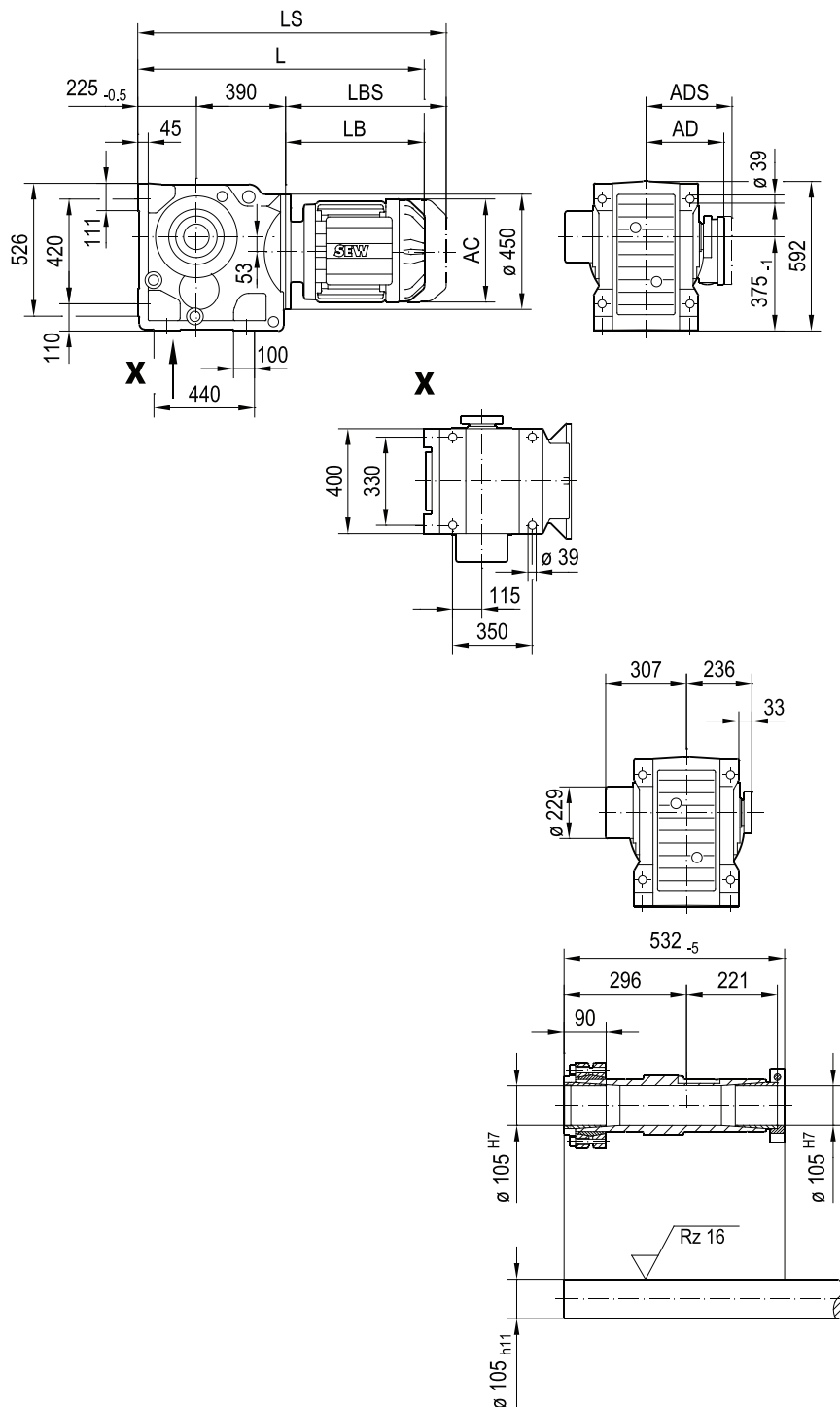
33 240 00 15

**KZ127..**

| ( $\rightarrow$ 7.3) | DRN  |      |      |       |       |      |       |      |      |      |
|----------------------|------|------|------|-------|-------|------|-------|------|------|------|
|                      | 132S | 132M | 132L | 160.. | 180.. | 200L | 225.. | 250M | 280S | 280M |
| AC                   | 221  | 261  | 261  | 314   | 357   | 394  | 434   | 495  | 495  | 495  |
| AD                   | 170  | 228  | 228  | 253   | 268   | 283  | 305   | 394  | 394  | 394  |
| ADS                  | 172  | 228  | 228  | 253   | 268   | 283  | 305   | 394  | 394  | 394  |
| L                    | 1013 | 1031 | 1057 | 1123  | 1146  | 1256 | 1230  | 1367 | 1367 | 1462 |
| LS                   | 1125 | 1169 | 1194 | 1312  | 1335  | 1461 | 1435  | 1607 | 1607 | 1702 |
| LB                   | 398  | 416  | 442  | 508   | 531   | 641  | 615   | 752  | 752  | 847  |
| LBS                  | 510  | 554  | 579  | 697   | 720   | 846  | 820   | 992  | 992  | 1087 |

33 081 01 14

KT127..

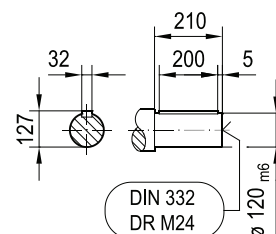
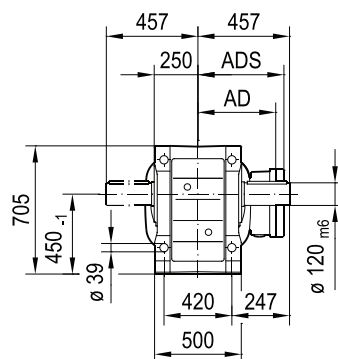
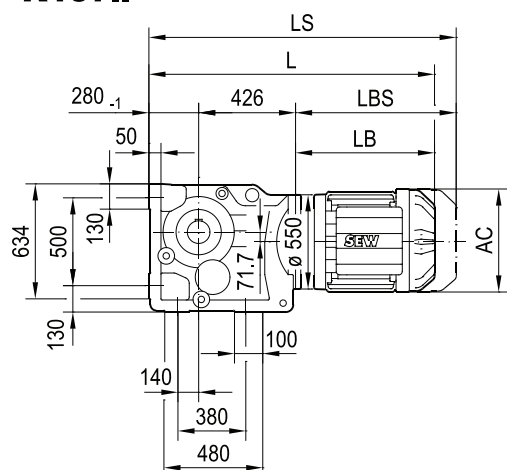
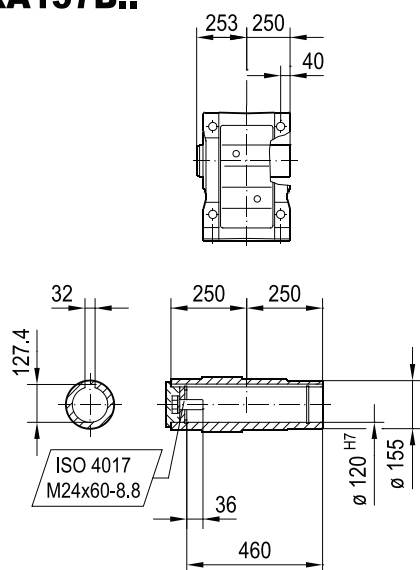
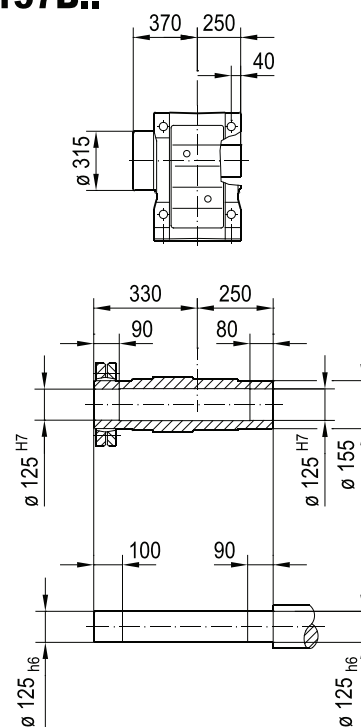


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| (→ 7.3) | DRN  |      |      |       |       |      |       |      |      |      |
|---------|------|------|------|-------|-------|------|-------|------|------|------|
|         | 132S | 132M | 132L | 160.. | 180.. | 200L | 225.. | 250M | 280S | 280M |
| AC      | 221  | 261  | 261  | 314   | 357   | 394  | 434   | 495  | 495  | 495  |
| AD      | 170  | 228  | 228  | 253   | 268   | 283  | 305   | 394  | 394  | 394  |
| ADS     | 172  | 228  | 228  | 253   | 268   | 283  | 305   | 394  | 394  | 394  |
| L       | 1013 | 1031 | 1057 | 1123  | 1146  | 1256 | 1230  | 1367 | 1367 | 1462 |
| LS      | 1125 | 1169 | 1194 | 1312  | 1335  | 1461 | 1435  | 1607 | 1607 | 1702 |
| LB      | 398  | 416  | 442  | 508   | 531   | 641  | 615   | 752  | 752  | 847  |
| LBS     | 510  | 554  | 579  | 697   | 720   | 846  | 820   | 992  | 992  | 1087 |

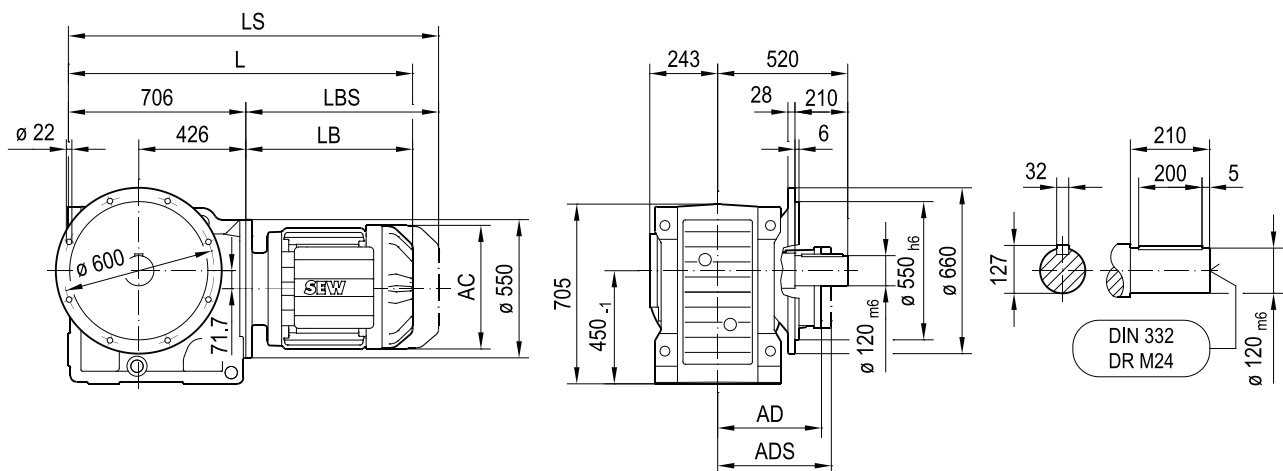
33 082 00 14

**K157..****KA157B..****KH157B..**

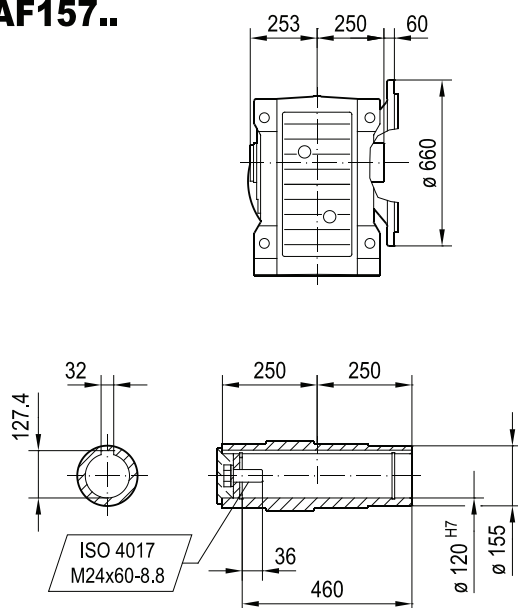
| (→ 7.3) | DRN   |       |      |       |      |      |      |        |         |
|---------|-------|-------|------|-------|------|------|------|--------|---------|
|         | 160.. | 180.. | 200L | 225.. | 250M | 280S | 280M | 315S-M | 315ME-H |
| AC      | 314   | 357   | 394  | 434   | 495  | 495  | 495  | 624    | 624     |
| AD      | 253   | 268   | 283  | 305   | 394  | 394  | 394  | 506    | 506     |
| ADS     | 253   | 268   | 283  | 305   | 394  | 394  | 394  | 506    | 506     |
| L       | 1206  | 1229  | 1339 | 1313  | 1450 | 1450 | 1545 | 1647   | 1777    |
| LS      | 1395  | 1418  | 1544 | 1518  | 1690 | 1690 | 1785 | 1898   | 2028    |
| LB      | 500   | 523   | 633  | 607   | 744  | 744  | 839  | 941    | 1071    |
| LBS     | 689   | 712   | 838  | 812   | 984  | 984  | 1079 | 1192   | 1322    |

33 083 00 14

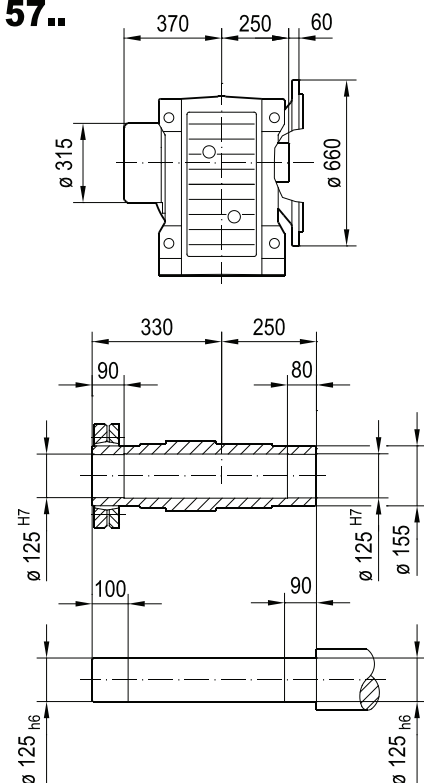
# KF157..



# KAF157..



# KHF157..

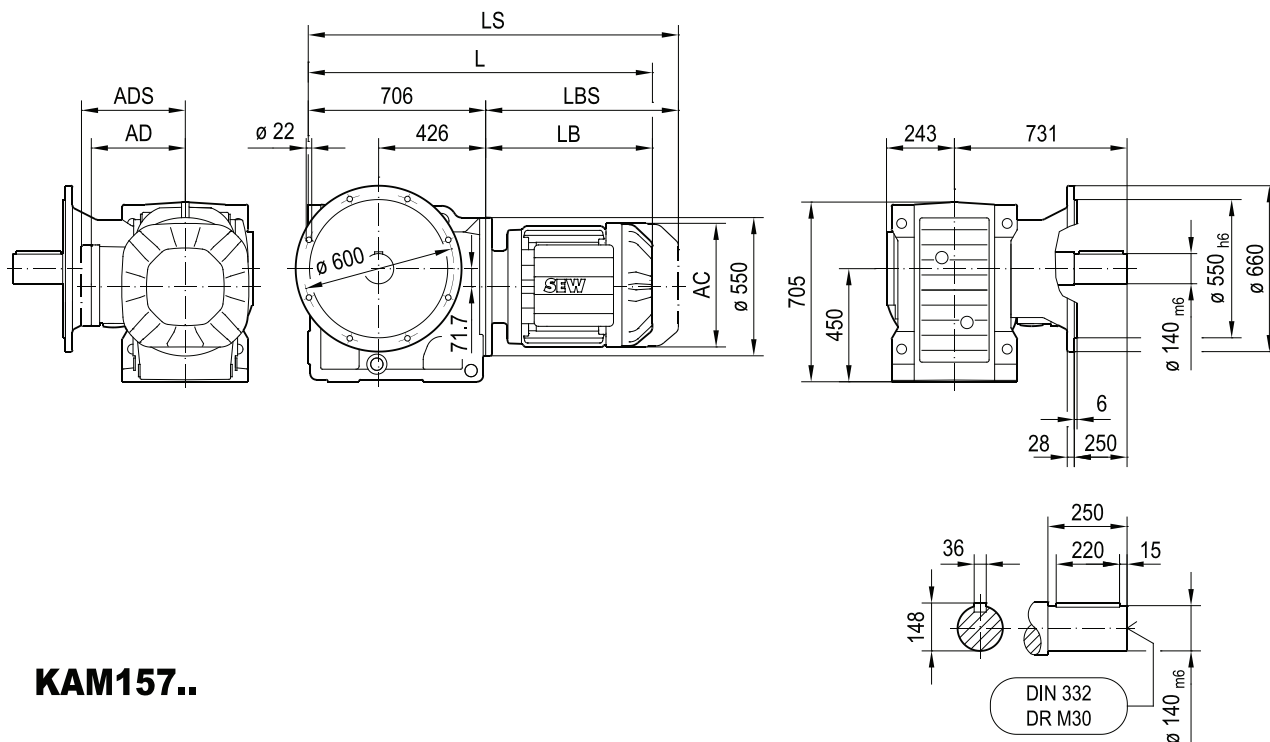


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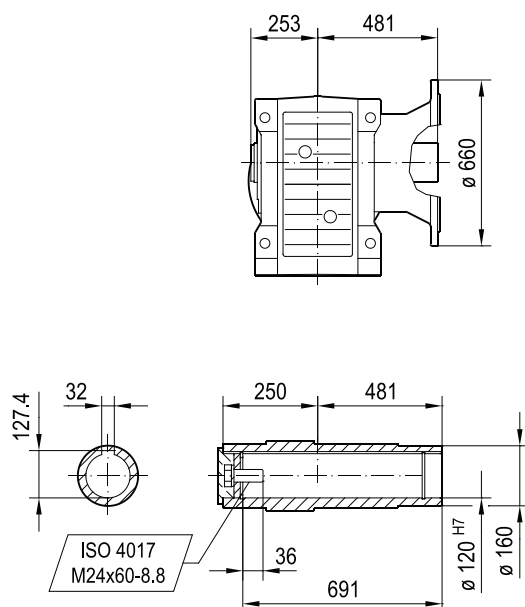
| <div> <div> <div></div> <div>7.3</div> </div> <div></div> </div> | DRN   |       |      |       |      |      |      |        |         |
|------------------------------------------------------------------|-------|-------|------|-------|------|------|------|--------|---------|
|                                                                  | 160.. | 180.. | 200L | 225.. | 250M | 280S | 280M | 315S-M | 315ME-H |
| AC                                                               | 314   | 357   | 394  | 434   | 495  | 495  | 495  | 624    | 624     |
| AD                                                               | 253   | 268   | 283  | 305   | 394  | 394  | 394  | 506    | 506     |
| ADS                                                              | 253   | 268   | 283  | 305   | 394  | 394  | 394  | 506    | 506     |
| L                                                                | 1206  | 1229  | 1339 | 1313  | 1450 | 1450 | 1545 | 1647   | 1777    |
| LS                                                               | 1395  | 1418  | 1544 | 1518  | 1690 | 1690 | 1785 | 1898   | 2028    |
| LB                                                               | 500   | 523   | 633  | 607   | 744  | 744  | 839  | 941    | 1071    |
| LBS                                                              | 689   | 712   | 838  | 812   | 984  | 984  | 1079 | 1192   | 1322    |

33 276 00 17

### KM157..



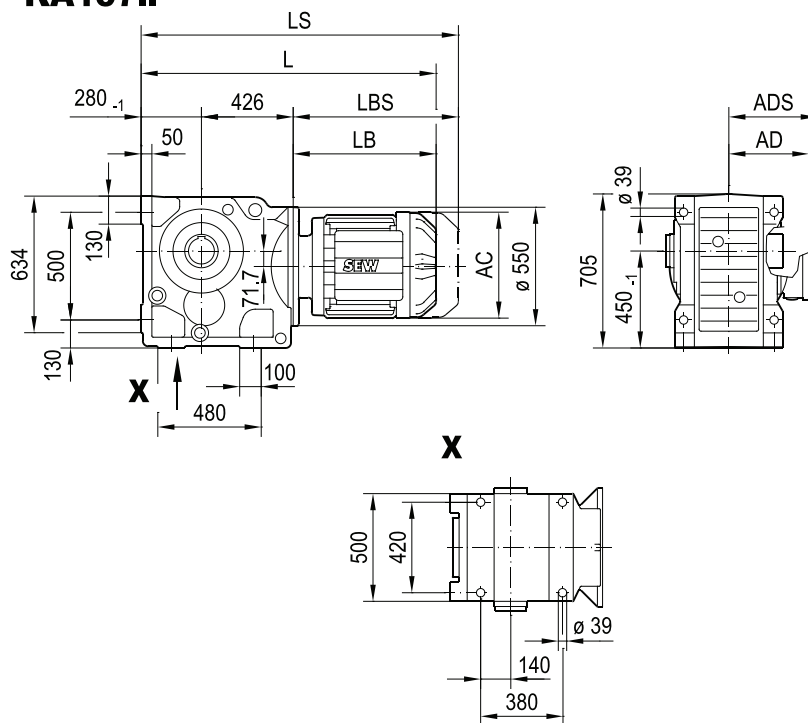
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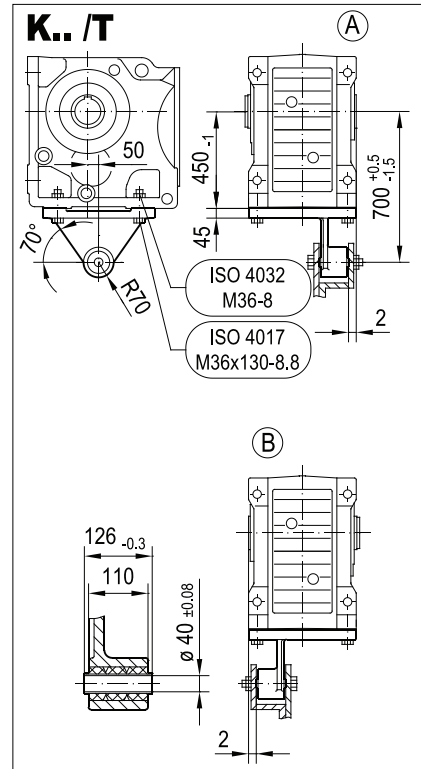
| (→ 7.3) | DRN   |       |      |       |      |      |      |        |         |
|---------|-------|-------|------|-------|------|------|------|--------|---------|
|         | 160.. | 180.. | 200L | 225.. | 250M | 280S | 280M | 315S-M | 315ME-H |
| AC      | 314   | 357   | 394  | 434   | 495  | 495  | 495  | 624    | 624     |
| AD      | 253   | 268   | 283  | 305   | 394  | 394  | 394  | 506    | 506     |
| ADS     | 253   | 268   | 283  | 305   | 394  | 394  | 394  | 506    | 506     |
| L       | 1206  | 1229  | 1339 | 1313  | 1450 | 1450 | 1545 | 1647   | 1777    |
| LS      | 1395  | 1418  | 1544 | 1518  | 1690 | 1690 | 1785 | 1898   | 2028    |
| LB      | 500   | 523   | 633  | 607   | 744  | 744  | 839  | 941    | 1071    |
| LBS     | 689   | 712   | 838  | 812   | 984  | 984  | 1079 | 1192   | 1322    |

33 084 00 14

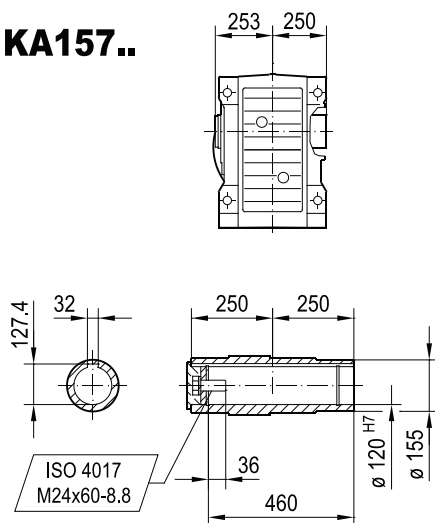
KA157..



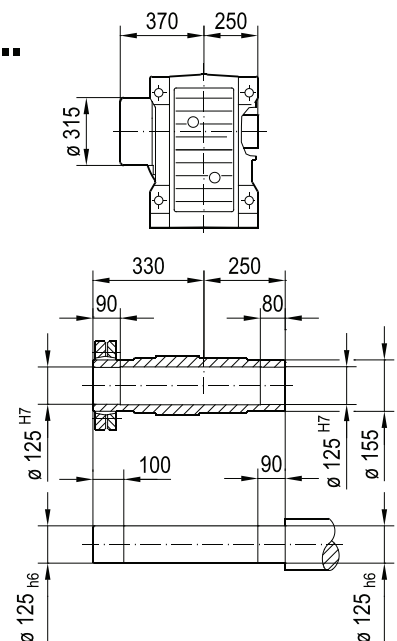
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KA157..

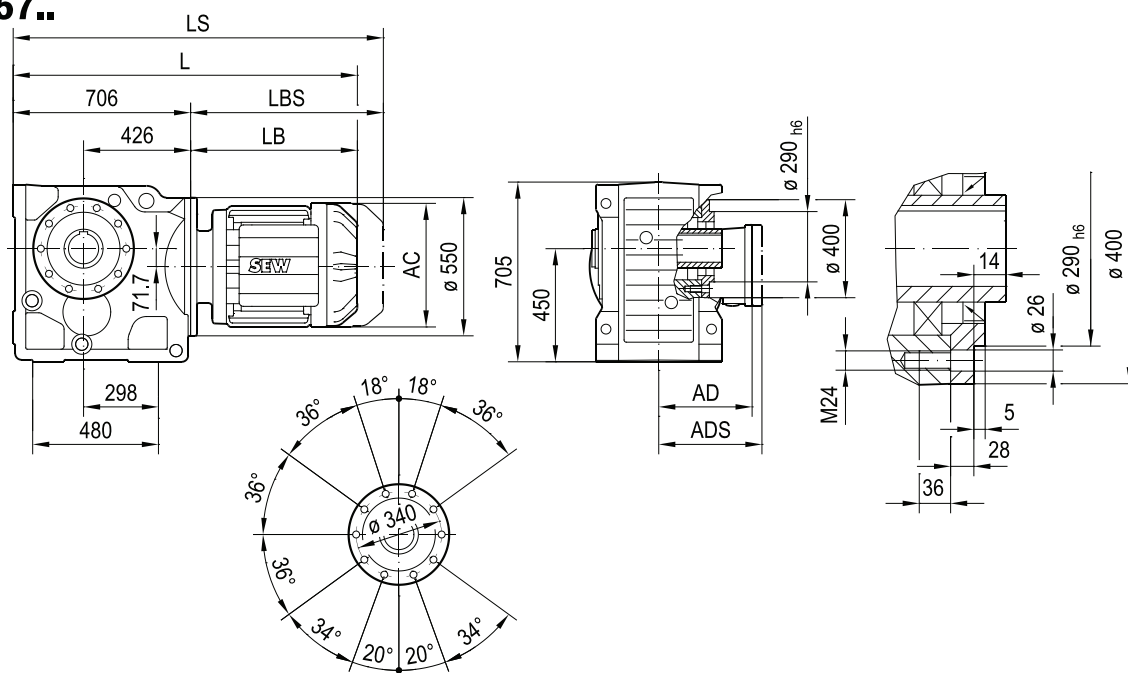
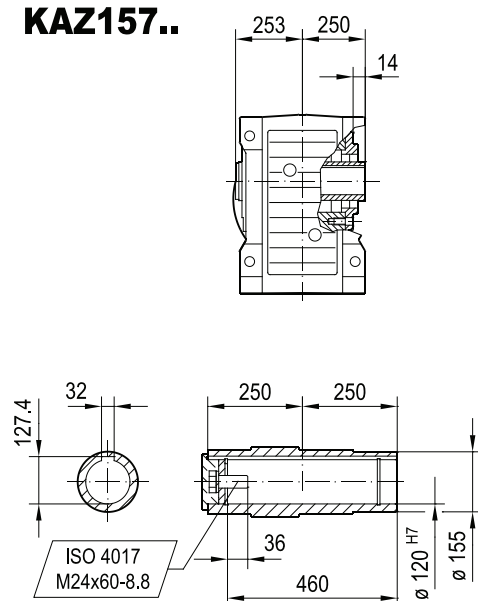
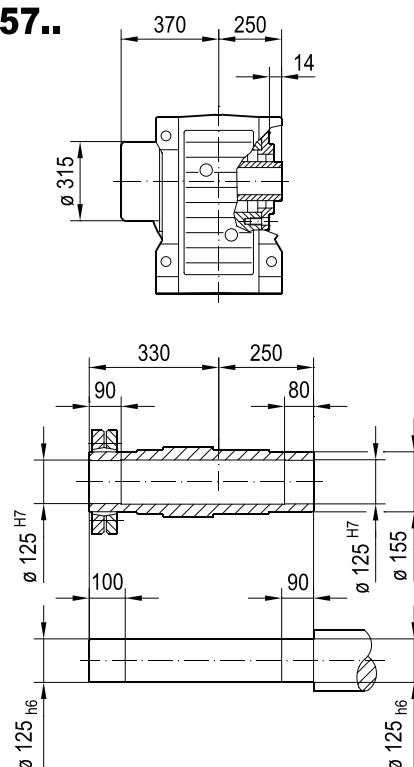


KH157..



| (> 7.3) | DRN   |       |      |       |      |      |      |        |         |
|---------|-------|-------|------|-------|------|------|------|--------|---------|
|         | 160.. | 180.. | 200L | 225.. | 250M | 280S | 280M | 315S-M | 315ME-H |
| AC      | 314   | 357   | 394  | 434   | 495  | 495  | 495  | 624    | 624     |
| AD      | 253   | 268   | 283  | 305   | 394  | 394  | 394  | 506    | 506     |
| ADS     | 253   | 268   | 283  | 305   | 394  | 394  | 394  | 506    | 506     |
| L       | 1206  | 1229  | 1339 | 1313  | 1450 | 1450 | 1545 | 1647   | 1777    |
| LS      | 1395  | 1418  | 1544 | 1518  | 1690 | 1690 | 1785 | 1898   | 2028    |
| LB      | 500   | 523   | 633  | 607   | 744  | 744  | 839  | 941    | 1071    |
| LBS     | 689   | 712   | 838  | 812   | 984  | 984  | 1079 | 1192   | 1322    |

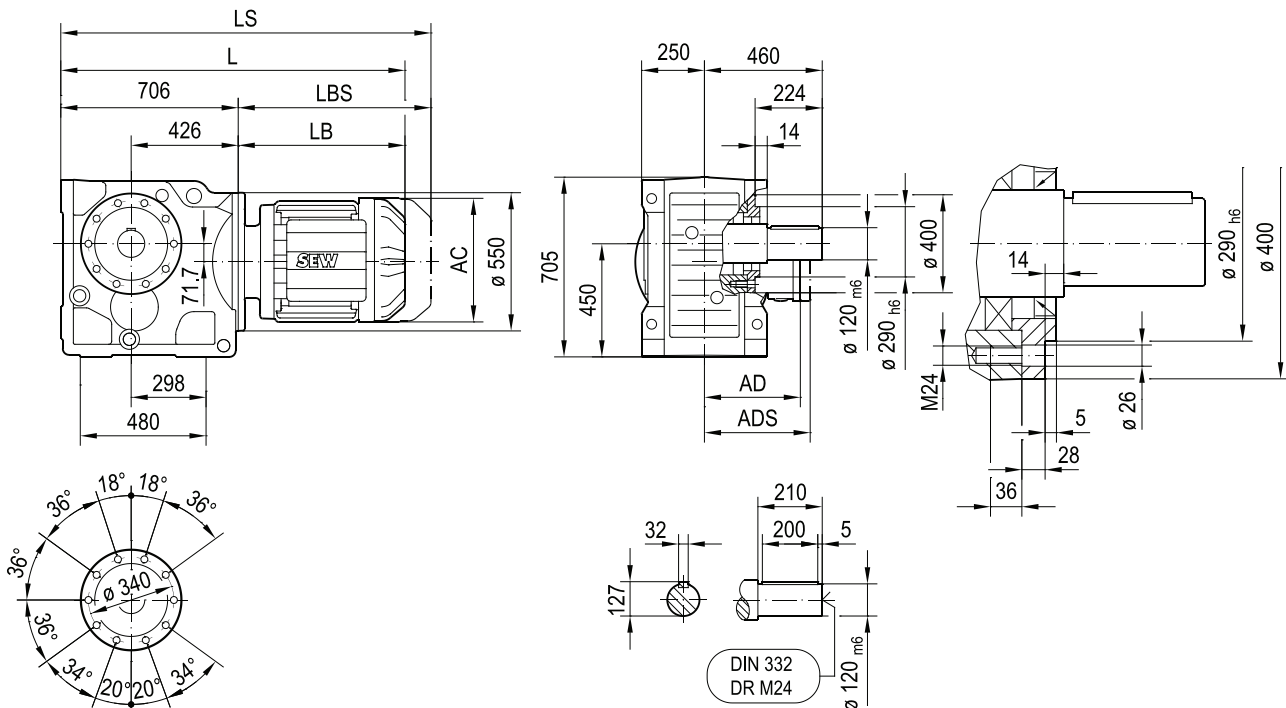
33 085 00 14

**KAZ157..****KAZ157..****KHZ157..**

| ( $\rightarrow$ 7.3) | DRN   |       |      |       |      |      |      |        |         |
|----------------------|-------|-------|------|-------|------|------|------|--------|---------|
|                      | 160.. | 180.. | 200L | 225.. | 250M | 280S | 280M | 315S-M | 315ME-H |
| AC                   | 314   | 357   | 394  | 434   | 495  | 495  | 495  | 624    | 624     |
| AD                   | 253   | 268   | 283  | 305   | 394  | 394  | 394  | 506    | 506     |
| ADS                  | 253   | 268   | 283  | 305   | 394  | 394  | 394  | 506    | 506     |
| L                    | 1206  | 1229  | 1339 | 1313  | 1450 | 1450 | 1545 | 1647   | 1777    |
| LS                   | 1395  | 1418  | 1544 | 1518  | 1690 | 1690 | 1785 | 1898   | 2028    |
| LB                   | 500   | 523   | 633  | 607   | 744  | 744  | 839  | 941    | 1071    |
| LBS                  | 689   | 712   | 838  | 812   | 984  | 984  | 1079 | 1192   | 1322    |

33 241 01 15

KZ157..



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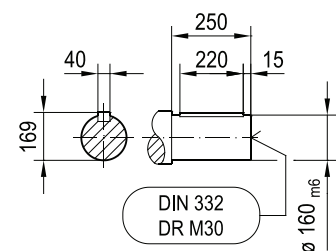
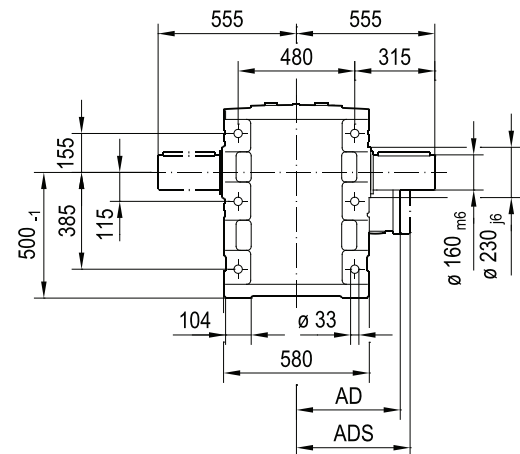
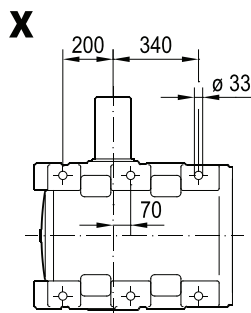
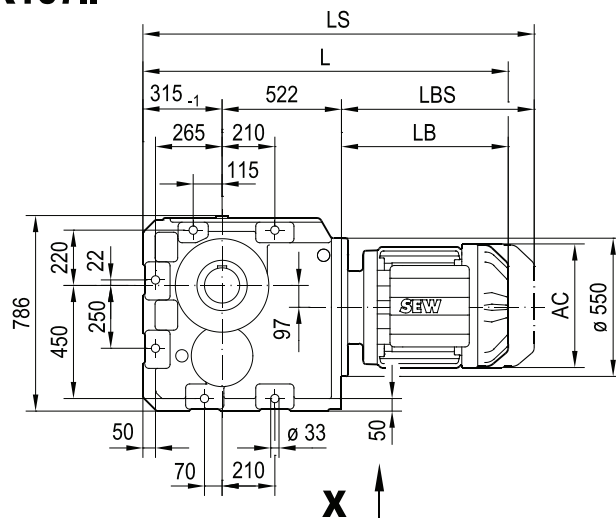
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| (→ 7.3) | DRN   |       |      |       |      |      |      |        |         |
|---------|-------|-------|------|-------|------|------|------|--------|---------|
|         | 160.. | 180.. | 200L | 225.. | 250M | 280S | 280M | 315S-M | 315ME-H |
| AC      | 314   | 357   | 394  | 434   | 495  | 495  | 495  | 624    | 624     |
| AD      | 253   | 268   | 283  | 305   | 394  | 394  | 394  | 506    | 506     |
| ADS     | 253   | 268   | 283  | 305   | 394  | 394  | 394  | 506    | 506     |
| L       | 1206  | 1229  | 1339 | 1313  | 1450 | 1450 | 1545 | 1647   | 1777    |
| LS      | 1395  | 1418  | 1544 | 1518  | 1690 | 1690 | 1785 | 1898   | 2028    |
| LB      | 500   | 523   | 633  | 607   | 744  | 744  | 839  | 941    | 1071    |
| LBS     | 689   | 712   | 838  | 812   | 984  | 984  | 1079 | 1192   | 1322    |

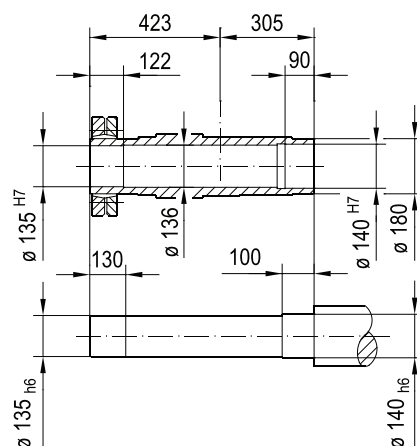
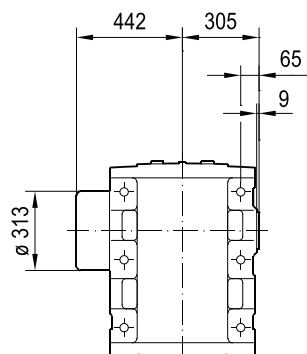
| (→ 📖 7.3) | DRN   |       |      |       |      |      |      |        |         |
|-----------|-------|-------|------|-------|------|------|------|--------|---------|
|           | 160.. | 180.. | 200L | 225.. | 250M | 280S | 280M | 315S-M | 315ME-H |
| AC        | 314   | 357   | 394  | 434   | 495  | 495  | 495  | 624    | 624     |
| AD        | 253   | 268   | 283  | 305   | 394  | 394  | 394  | 506    | 506     |
| ADS       | 253   | 268   | 283  | 305   | 394  | 394  | 394  | 506    | 506     |
| L         | 1206  | 1229  | 1339 | 1313  | 1450 | 1450 | 1545 | 1647   | 1777    |
| LS        | 1395  | 1418  | 1544 | 1518  | 1690 | 1690 | 1785 | 1898   | 2028    |
| LB        | 500   | 523   | 633  | 607   | 744  | 744  | 839  | 941    | 1071    |
| LBS       | 689   | 712   | 838  | 812   | 984  | 984  | 1079 | 1192   | 1322    |

33 087 00 14

**K167..**



**KH167B..**

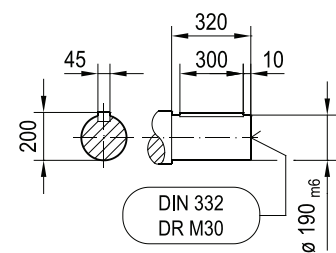
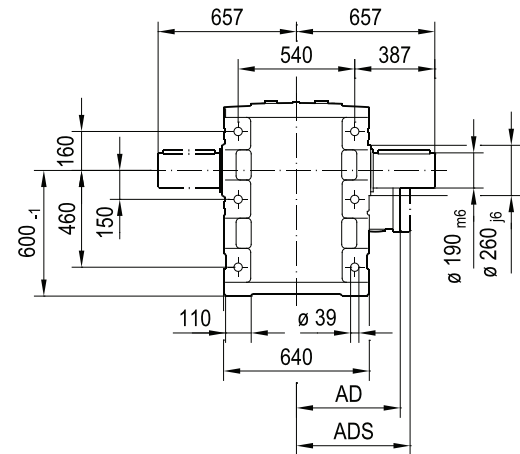
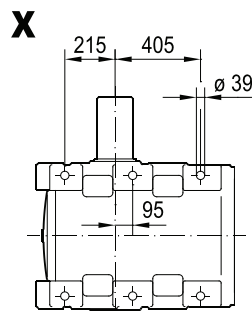
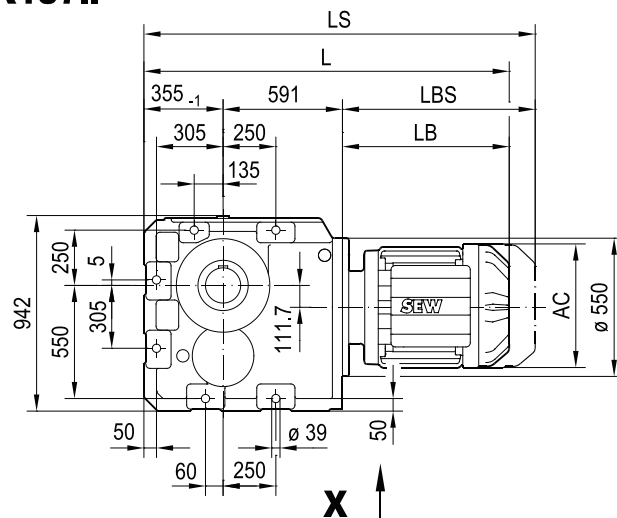


| (→ 7.3) | DRN   |       |      |       |      |      |      |        |         |
|---------|-------|-------|------|-------|------|------|------|--------|---------|
|         | 160.. | 180.. | 200L | 225.. | 250M | 280S | 280M | 315S-M | 315ME-H |
| AC      | 314   | 357   | 394  | 434   | 495  | 495  | 495  | 624    | 624     |
| AD      | 253   | 268   | 283  | 305   | 394  | 394  | 394  | 506    | 506     |
| ADS     | 253   | 268   | 283  | 305   | 394  | 394  | 394  | 506    | 506     |
| L       | 1337  | 1360  | 1470 | 1444  | 1581 | 1581 | 1676 | 1778   | 1908    |
| LS      | 1526  | 1549  | 1675 | 1649  | 1821 | 1821 | 1916 | 2029   | 2159    |
| LB      | 500   | 523   | 633  | 607   | 744  | 744  | 839  | 941    | 1071    |
| LBS     | 689   | 712   | 838  | 812   | 984  | 984  | 1079 | 1192   | 1322    |

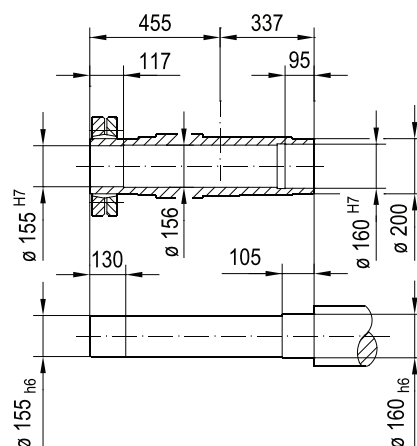
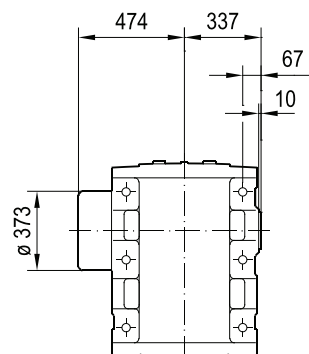


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**K187..**



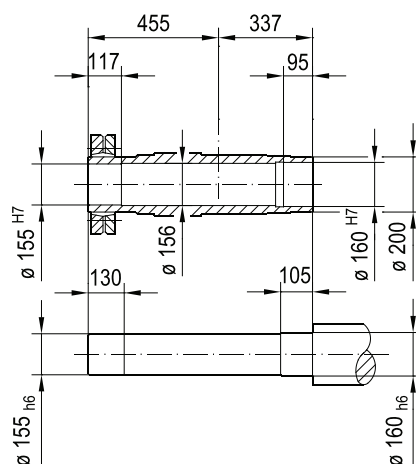
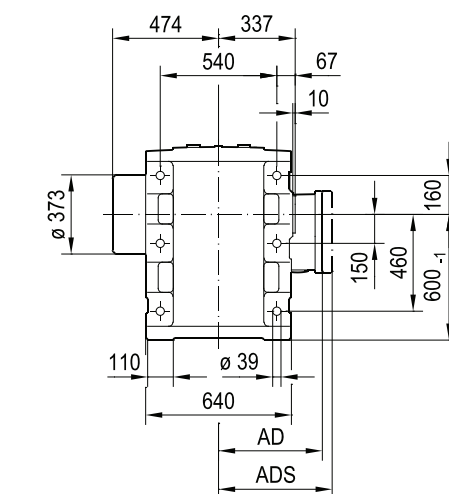
**KH187B..**



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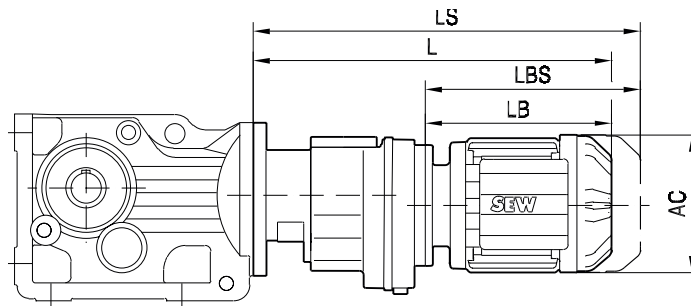
| (> 7.3) | DRN   |      |       |      |      |      |        |         |
|---------|-------|------|-------|------|------|------|--------|---------|
|         | 180.. | 200L | 225.. | 250M | 280S | 280M | 315S-M | 315ME-H |
| AC      | 357   | 394  | 434   | 495  | 495  | 495  | 624    | 624     |
| AD      | 268   | 283  | 305   | 394  | 394  | 394  | 506    | 506     |
| ADS     | 268   | 283  | 305   | 394  | 394  | 394  | 506    | 506     |
| L       | 1469  | 1579 | 1553  | 1690 | 1690 | 1785 | 1887   | 2017    |
| LS      | 1658  | 1784 | 1758  | 1930 | 1930 | 2025 | 2138   | 2268    |
| LB      | 523   | 633  | 607   | 744  | 744  | 839  | 941    | 1071    |
| LBS     | 712   | 838  | 812   | 984  | 984  | 1079 | 1192   | 1322    |

**KH187..**



| (→ 🏠 7.3) | DRN   |      |       |      |      |      |        |         |
|-----------|-------|------|-------|------|------|------|--------|---------|
|           | 180.. | 200L | 225.. | 250M | 280S | 280M | 315S-M | 315ME-H |
| AC        | 357   | 394  | 434   | 495  | 495  | 495  | 624    | 624     |
| AD        | 268   | 283  | 305   | 394  | 394  | 394  | 506    | 506     |
| ADS       | 268   | 283  | 305   | 394  | 394  | 394  | 506    | 506     |
| L         | 1469  | 1579 | 1553  | 1690 | 1690 | 1785 | 1887   | 2017    |
| LS        | 1658  | 1784 | 1758  | 1930 | 1930 | 2025 | 2138   | 2268    |
| LB        | 523   | 633  | 607   | 744  | 744  | 839  | 941    | 1071    |
| LBS       | 712   | 838  | 812   | 984  | 984  | 1079 | 1192   | 1322    |

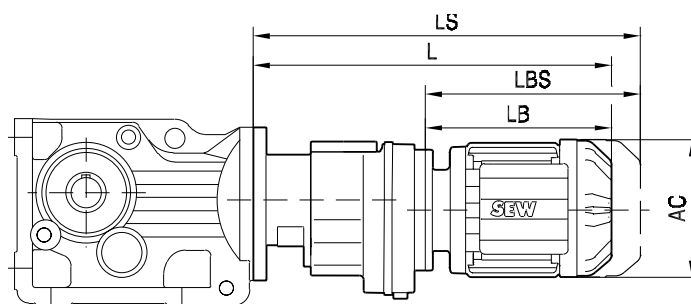
10.6 Feuilles de cotes K..R..DRN.. en mm



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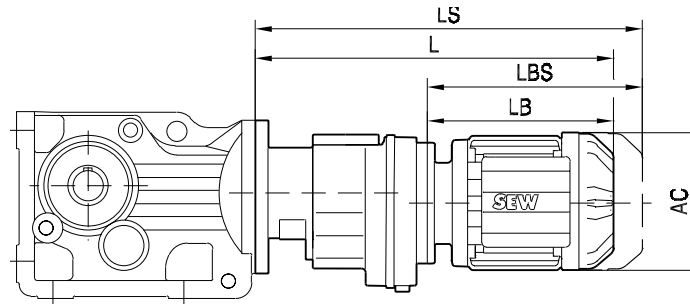
| (→ 188)   |           | AC  | L   | LS  | LB  | LBS |
|-----------|-----------|-----|-----|-----|-----|-----|
| K...37R17 | DRN63MS   | 115 | 365 | 421 | 190 | 246 |
|           | DRN63M    | 115 | 379 | 435 | 204 | 260 |
|           | DRN71MS   | 139 | 381 | 448 | 206 | 273 |
|           | DRN71M    | 139 | 401 | 468 | 226 | 293 |
|           | DRN80M    | 156 | 452 | 533 | 277 | 358 |
| K..39R17  | DRN63MS   | 115 | 365 | 421 | 190 | 246 |
|           | DRN63M    | 115 | 379 | 435 | 204 | 260 |
|           | DRN71MS   | 139 | 381 | 448 | 206 | 273 |
|           | DRN71M    | 139 | 401 | 468 | 226 | 293 |
|           | DRN80M    | 156 | 452 | 533 | 277 | 358 |
| K..47R37  | DRN63MS   | 115 | 355 | 411 | 190 | 246 |
|           | DRN63M    | 115 | 369 | 425 | 204 | 260 |
|           | DRN71MS   | 139 | 371 | 438 | 206 | 273 |
|           | DRN71M    | 139 | 391 | 458 | 226 | 293 |
|           | DRN80MK.. | 156 | 402 | 483 | 237 | 318 |
|           | DRN80M    | 156 | 447 | 528 | 282 | 363 |
|           | DRN90S    | 179 | 448 | 542 | 283 | 377 |
| K..49R37  | DRN63MS   | 115 | 347 | 403 | 190 | 246 |
|           | DRN63M    | 115 | 361 | 417 | 204 | 260 |
|           | DRN71MS   | 139 | 363 | 430 | 206 | 273 |
|           | DRN71M    | 139 | 383 | 450 | 226 | 293 |
|           | DRN80MK.. | 156 | 394 | 475 | 237 | 318 |
|           | DRN80M    | 156 | 439 | 520 | 282 | 363 |
|           | DRN90S    | 179 | 440 | 534 | 283 | 377 |
| K..57R37  | DRN63MS   | 115 | 355 | 411 | 190 | 246 |
|           | DRN63M    | 115 | 369 | 425 | 204 | 260 |
|           | DRN71MS   | 139 | 371 | 438 | 206 | 273 |
|           | DRN71M    | 139 | 391 | 458 | 226 | 293 |
|           | DRN80MK.. | 156 | 402 | 483 | 237 | 318 |
|           | DRN80M    | 156 | 447 | 528 | 282 | 363 |
|           | DRN90S    | 179 | 448 | 542 | 283 | 377 |
|           | DRN90L    | 179 | 480 | 574 | 315 | 409 |
| K..67R37  | DRN63MS   | 115 | 355 | 411 | 190 | 246 |
|           | DRN63M    | 115 | 369 | 425 | 204 | 260 |
|           | DRN71MS   | 139 | 371 | 438 | 206 | 273 |
|           | DRN71M    | 139 | 391 | 458 | 226 | 293 |
|           | DRN80MK.. | 156 | 402 | 483 | 237 | 318 |
|           | DRN80M    | 156 | 447 | 528 | 282 | 363 |
|           | DRN90S    | 179 | 448 | 542 | 283 | 377 |
|           | DRN90L    | 179 | 480 | 574 | 315 | 409 |



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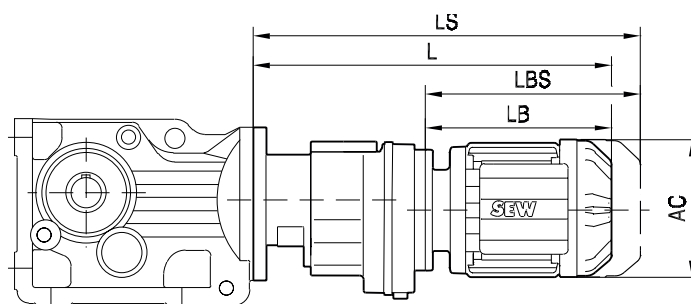
| (→ 188)  |            | AC  | L   | LS  | LB  | LBS |
|----------|------------|-----|-----|-----|-----|-----|
| K..77R37 | DRN63MS    | 115 | 347 | 403 | 190 | 246 |
|          | DRN63M     | 115 | 361 | 417 | 204 | 260 |
|          | DRN71MS    | 139 | 363 | 430 | 206 | 273 |
|          | DRN71M     | 139 | 383 | 450 | 226 | 293 |
|          | DRN80MK..  | 156 | 394 | 475 | 237 | 318 |
|          | DRN80M     | 156 | 439 | 520 | 282 | 363 |
|          | DRN90S     | 179 | 440 | 534 | 283 | 377 |
|          | DRN90L     | 179 | 472 | 566 | 315 | 409 |
|          | DRN100LS   | 197 | 471 | 565 | 314 | 408 |
|          | DRN100L/LM | 197 | 521 | 615 | 364 | 458 |
| K..87R57 | DRN63MS    | 115 | 411 | 467 | 184 | 240 |
|          | DRN63M     | 115 | 425 | 481 | 198 | 254 |
|          | DRN71MS    | 139 | 427 | 494 | 199 | 267 |
|          | DRN71M     | 139 | 447 | 514 | 219 | 287 |
|          | DRN80MK..  | 156 | 458 | 539 | 230 | 311 |
|          | DRN80M     | 156 | 503 | 584 | 275 | 356 |
|          | DRN90S     | 179 | 504 | 598 | 277 | 370 |
|          | DRN90L     | 179 | 536 | 630 | 309 | 402 |
|          | DRN100LS   | 197 | 533 | 626 | 305 | 399 |
|          | DRN100L/LM | 197 | 583 | 676 | 355 | 449 |
| K..97R57 | DRN112M    | 221 | 614 | 726 | 386 | 498 |
|          | DRN63MS    | 115 | 406 | 462 | 184 | 240 |
|          | DRN63M     | 115 | 420 | 476 | 198 | 254 |
|          | DRN71MS    | 139 | 422 | 489 | 199 | 267 |
|          | DRN71M     | 139 | 442 | 509 | 219 | 287 |
|          | DRN80MK..  | 156 | 453 | 534 | 230 | 311 |
|          | DRN80M     | 156 | 498 | 579 | 275 | 356 |
|          | DRN90S     | 179 | 499 | 593 | 277 | 370 |
|          | DRN90L     | 179 | 531 | 625 | 309 | 402 |
|          | DRN100LS   | 197 | 528 | 621 | 305 | 399 |
| K..97R57 | DRN100L/LM | 197 | 578 | 671 | 355 | 449 |
|          | DRN112M    | 221 | 609 | 721 | 386 | 498 |
|          | DRN132S    | 221 | 663 | 775 | 440 | 552 |



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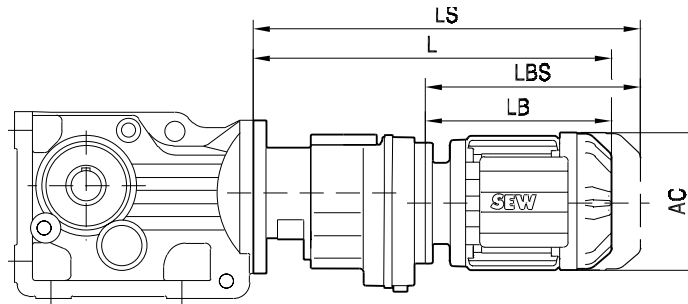
| (→ 188)   |            | AC  | L   | LS   | LB  | LBS |
|-----------|------------|-----|-----|------|-----|-----|
| K..107R77 | DRN63MS    | 115 | 424 | 480  | 177 | 233 |
|           | DRN63M     | 115 | 438 | 494  | 191 | 247 |
|           | DRN71MS    | 139 | 439 | 507  | 192 | 260 |
|           | DRN71M     | 139 | 459 | 527  | 212 | 280 |
|           | DRN80MK..  | 156 | 470 | 551  | 223 | 304 |
|           | DRN80M     | 156 | 515 | 596  | 268 | 349 |
|           | DRN90S     | 179 | 517 | 610  | 270 | 363 |
|           | DRN90L     | 179 | 549 | 642  | 302 | 395 |
|           | DRN100LS   | 197 | 545 | 639  | 298 | 392 |
|           | DRN100L/LM | 197 | 595 | 689  | 348 | 442 |
|           | DRN112M    | 221 | 626 | 738  | 379 | 491 |
|           | DRN132S    | 221 | 676 | 788  | 429 | 541 |
|           | DRN132M    | 261 | 694 | 832  | 447 | 585 |
|           | DRN132L    | 261 | 720 | 857  | 473 | 610 |
|           | DRN160..   | 314 | 786 | 975  | 539 | 728 |
| K..127R77 | DRN63MS    | 115 | 409 | 465  | 177 | 233 |
|           | DRN63M     | 115 | 423 | 479  | 191 | 247 |
|           | DRN71MS    | 139 | 424 | 492  | 192 | 260 |
|           | DRN71M     | 139 | 444 | 512  | 212 | 280 |
|           | DRN80MK..  | 156 | 455 | 536  | 223 | 304 |
|           | DRN80M     | 156 | 500 | 581  | 268 | 349 |
|           | DRN90S     | 179 | 502 | 595  | 270 | 363 |
|           | DRN90L     | 179 | 534 | 627  | 302 | 395 |
|           | DRN100LS   | 197 | 530 | 624  | 298 | 392 |
|           | DRN100L/LM | 197 | 580 | 674  | 348 | 442 |
|           | DRN112M    | 221 | 611 | 723  | 379 | 491 |
|           | DRN132S    | 221 | 661 | 773  | 429 | 541 |
|           | DRN132M    | 261 | 679 | 817  | 447 | 585 |
| K..127R87 | DRN90L     | 179 | 577 | 670  | 297 | 390 |
|           | DRN100LS   | 197 | 573 | 667  | 293 | 387 |
|           | DRN100L/LM | 197 | 623 | 717  | 343 | 437 |
|           | DRN112M    | 221 | 654 | 766  | 374 | 486 |
|           | DRN132S    | 221 | 704 | 816  | 424 | 536 |
|           | DRN132M    | 261 | 722 | 860  | 442 | 580 |
|           | DRN132L    | 261 | 748 | 885  | 468 | 605 |
|           | DRN160..   | 314 | 814 | 1003 | 534 | 723 |
|           | DRN180..   | 357 | 837 | 1026 | 557 | 746 |



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| (→ 188)    |            | AC  | L    | LS   | LB  | LBS  |
|------------|------------|-----|------|------|-----|------|
| K..157R97  | DRN71MS    | 139 | 507  | 575  | 182 | 250  |
|            | DRN71M     | 139 | 527  | 595  | 202 | 270  |
|            | DRN80MK..  | 156 | 538  | 619  | 213 | 294  |
|            | DRN80M     | 156 | 583  | 664  | 258 | 339  |
|            | DRN90S     | 179 | 585  | 678  | 260 | 353  |
|            | DRN90L     | 179 | 617  | 710  | 292 | 385  |
|            | DRN100LS   | 197 | 613  | 707  | 288 | 382  |
|            | DRN100L/LM | 197 | 663  | 757  | 338 | 432  |
|            | DRN112M    | 221 | 694  | 806  | 369 | 481  |
|            | DRN132S    | 221 | 744  | 856  | 419 | 531  |
|            | DRN132M    | 261 | 762  | 900  | 437 | 575  |
|            | DRN132L    | 261 | 788  | 925  | 463 | 600  |
|            | DRN160..   | 314 | 854  | 1043 | 529 | 718  |
| K..157R107 | DRN132S    | 221 | 795  | 907  | 413 | 525  |
|            | DRN132M    | 261 | 813  | 951  | 431 | 569  |
|            | DRN132L    | 261 | 839  | 976  | 457 | 594  |
|            | DRN160..   | 314 | 905  | 1094 | 523 | 712  |
|            | DRN180..   | 357 | 928  | 1117 | 546 | 735  |
|            | DRN200L    | 394 | 1038 | 1243 | 656 | 861  |
|            | DRN225..   | 434 | 1012 | 1217 | 630 | 835  |
| K..167R97  | DRN71M     | 139 | 527  | 595  | 202 | 270  |
|            | DRN80MK..  | 156 | 538  | 619  | 213 | 294  |
|            | DRN80M     | 156 | 583  | 664  | 258 | 339  |
|            | DRN90S     | 179 | 585  | 678  | 260 | 353  |
|            | DRN90L     | 179 | 617  | 710  | 292 | 385  |
|            | DRN100LS   | 197 | 613  | 707  | 288 | 382  |
|            | DRN100L/LM | 197 | 663  | 757  | 338 | 432  |
|            | DRN112M    | 221 | 694  | 806  | 369 | 481  |
|            | DRN132S    | 221 | 744  | 856  | 419 | 531  |
|            | DRN132M    | 261 | 762  | 900  | 437 | 575  |
|            | DRN132L    | 261 | 788  | 925  | 463 | 600  |
|            | DRN160..   | 314 | 854  | 1043 | 529 | 718  |
|            | DRN180..   | 357 | 877  | 1066 | 552 | 741  |
| K..167R107 | DRN132M    | 261 | 813  | 951  | 431 | 569  |
|            | DRN132L    | 261 | 839  | 976  | 457 | 594  |
|            | DRN160..   | 314 | 905  | 1094 | 523 | 712  |
|            | DRN180..   | 357 | 928  | 1117 | 546 | 735  |
|            | DRN200L    | 394 | 1038 | 1243 | 656 | 861  |
|            | DRN225..   | 434 | 1012 | 1217 | 630 | 835  |
|            | DRN250M    | 495 | 1149 | 1389 | 767 | 1007 |



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| (→ 188)    |            | AC  | L    | LS   | LB  | LBS  |
|------------|------------|-----|------|------|-----|------|
| K..187R97  | DRN71M     | 139 | 527  | 595  | 202 | 270  |
|            | DRN80MK..  | 156 | 538  | 619  | 213 | 294  |
|            | DRN80M     | 156 | 583  | 664  | 258 | 339  |
|            | DRN90S     | 179 | 585  | 678  | 260 | 353  |
|            | DRN90L     | 179 | 617  | 710  | 292 | 385  |
|            | DRN100LS   | 197 | 613  | 707  | 288 | 382  |
|            | DRN100L/LM | 197 | 663  | 757  | 338 | 432  |
|            | DRN112M    | 221 | 694  | 806  | 369 | 481  |
|            | DRN132S    | 221 | 744  | 856  | 419 | 531  |
|            | DRN132M    | 261 | 762  | 900  | 437 | 575  |
|            | DRN132L    | 261 | 788  | 925  | 463 | 600  |
|            | DRN160..   | 314 | 854  | 1043 | 529 | 718  |
|            | DRN180..   | 357 | 877  | 1066 | 552 | 741  |
|            | DRN100L/LM | 197 | 714  | 808  | 332 | 426  |
| K..187R107 | DRN112M    | 221 | 745  | 857  | 363 | 475  |
|            | DRN132S    | 221 | 795  | 907  | 413 | 525  |
|            | DRN132M    | 261 | 813  | 951  | 431 | 569  |
|            | DRN132L    | 261 | 839  | 976  | 457 | 594  |
|            | DRN160..   | 314 | 905  | 1094 | 523 | 712  |
|            | DRN180..   | 357 | 928  | 1117 | 546 | 735  |
|            | DRN200L    | 394 | 1038 | 1243 | 656 | 861  |
|            | DRN225..   | 434 | 1012 | 1217 | 630 | 835  |
|            | DRN250M    | 495 | 1149 | 1389 | 767 | 1007 |