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سری K



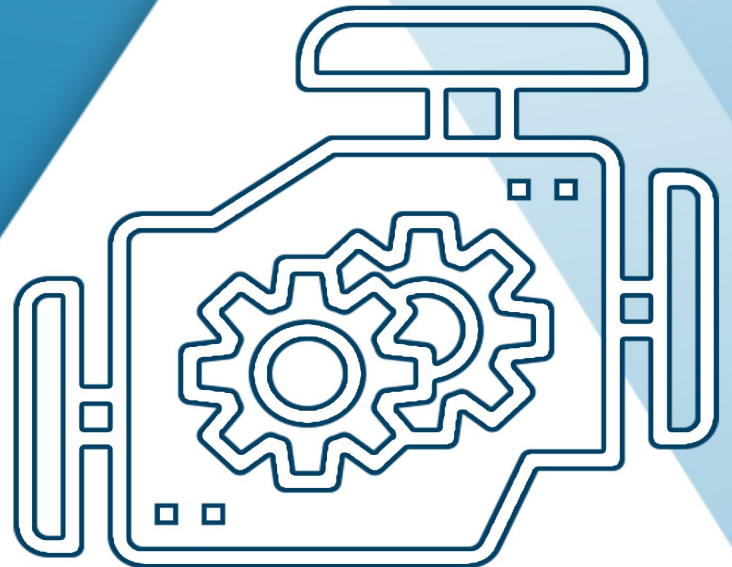
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Catalog 2021

# GEARBOX

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## Catalog



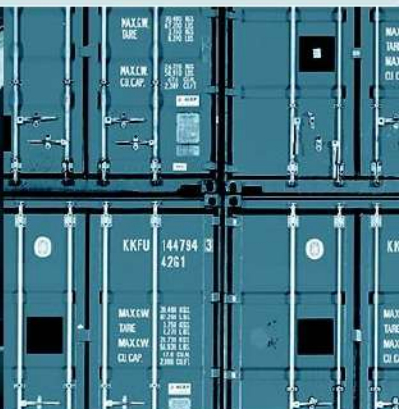
## DRS Gearmotors

Edition 06/2009

16840011 / EN



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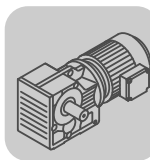




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**K..DRS**

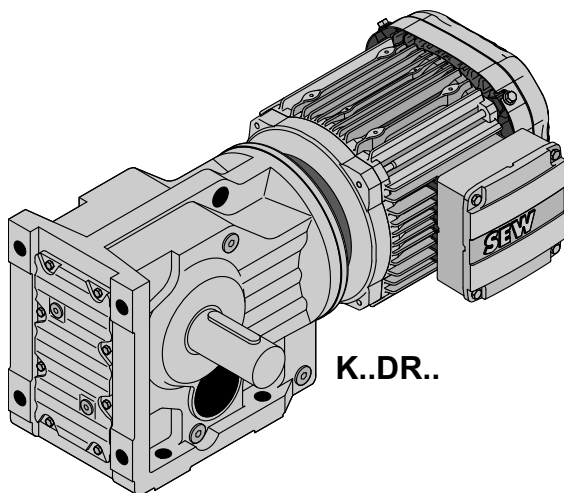
K, KA..(B), KV..(B), KH..(B), KT, KF, KAF, KVF, KHF, KAZ, KVZ..DRS



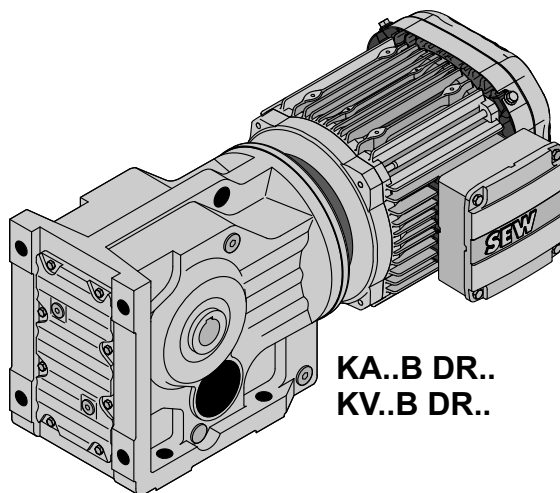
**11**

## **11 K..DRS**

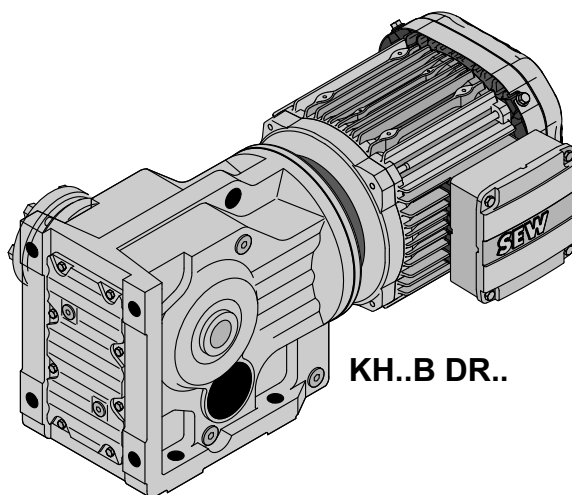
### **11.1 K, KA..(B), KV..(B), KH..(B), KT, KF, KAF, KVF, KHF, KAZ, KVZ..DRS**



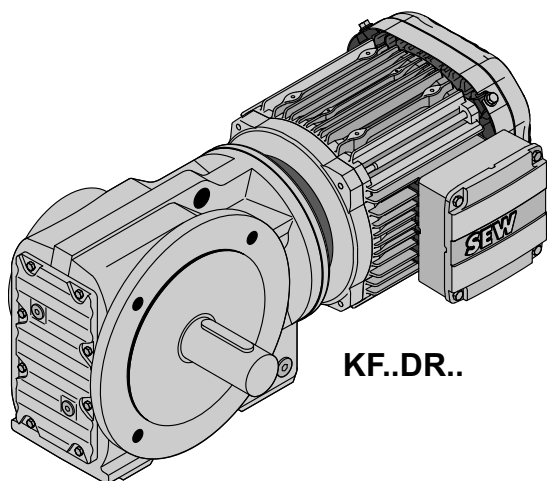
**K..DR..**



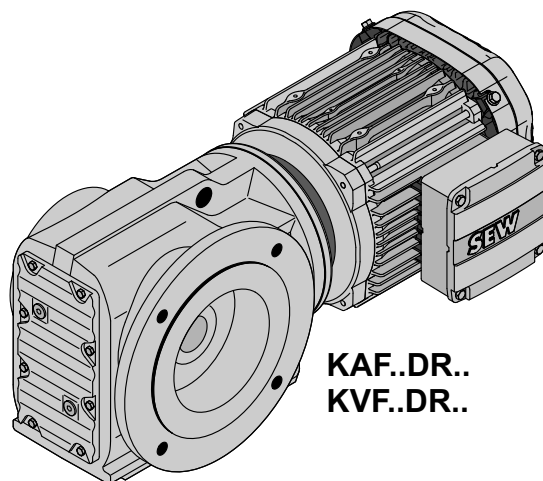
**KA..B DR..  
KV..B DR..**



**KH..B DR..**



**KF..DR..**

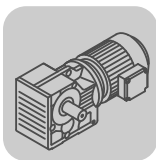


**KAF..DR..  
KVF..DR..**

**11**

60405AXX

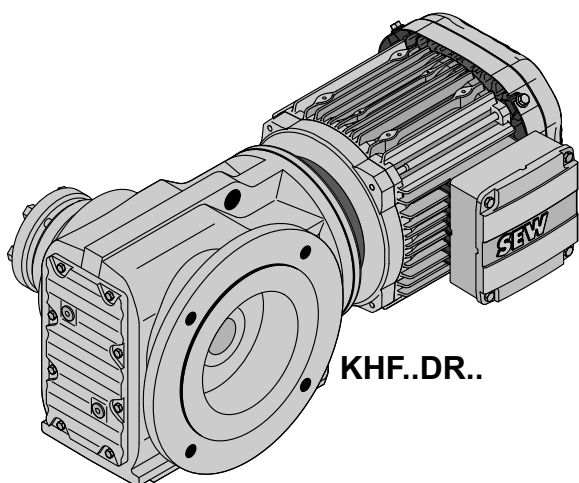
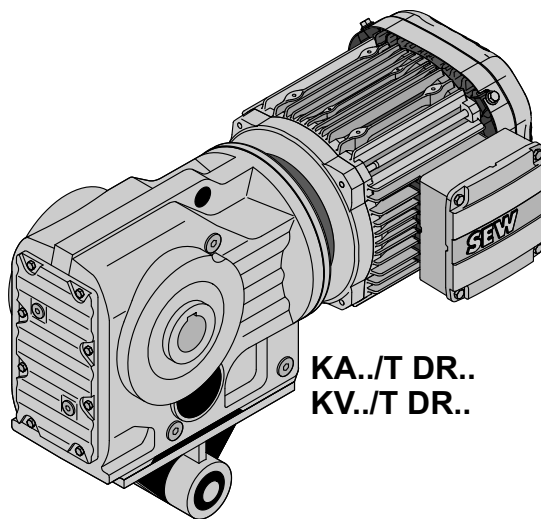
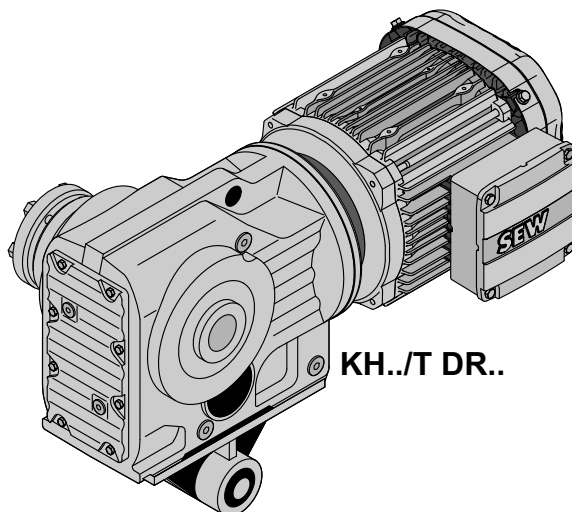
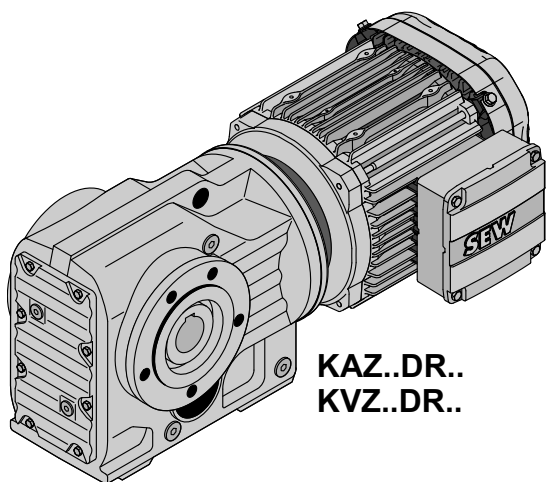
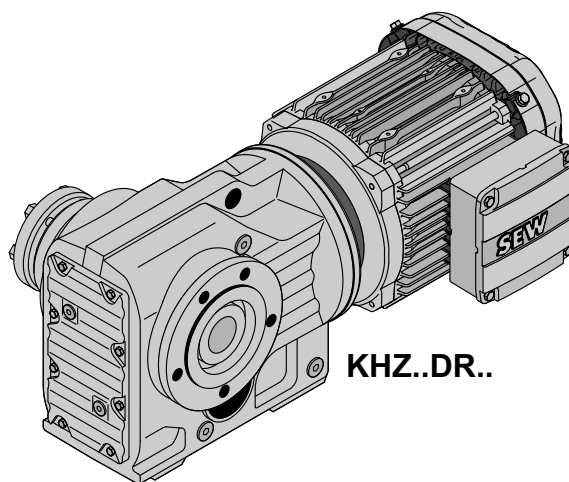


**K..DRS**

K, KA..(B), KV..(B), KH..(B), KT, KF, KAF, KVF, KHF, KAZ, KVZ..DRS

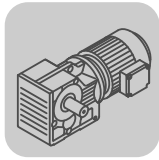


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**KHF..DR..****KA../T DR..  
KV../T DR..****KH../T DR..****KAZ..DR..  
KVZ..DR..****KHZ..DR..**

60411AXX

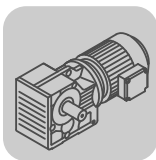




## 11.2 K.. → DRS

| K37, $n_e = 1400$ 1/min |                    |                 |                          |        |                          | 200 Nm |        |                   |
|-------------------------|--------------------|-----------------|--------------------------|--------|--------------------------|--------|--------|-------------------|
| $n_a$<br>[1/min]        | $M_{amax}$<br>[Nm] | $F_{Ra}$<br>[N] | $\varphi_{(R)}$<br>[ ' ] | $i$    | DR63<br>DRS71S<br>DRS71M | DRS80  | DRS90M | DRS90L<br>DRS100M |
| 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            | 7                        | 35.57  |                          |        |        |                   |
| 47                      | 200                | 3650            | 7                        | 29.96  |                          |        |        |                   |
| 49                      | 200                | 3580            | 8                        | 28.83  |                          |        |        |                   |
| 56                      | 200                | 3330            | 8                        | 24.99  |                          |        |        |                   |
| 60                      | 195                | 3260            | 8                        | 23.36  |                          |        |        |                   |
| 69                      | 185                | 3110            | 8                        | 20.19  |                          |        |        |                   |
| 82                      | 180                | 2900            | 8                        | 17.15  |                          |        |        |                   |
| 91                      | 175                | 2780            | 9                        | 15.31  |                          |        |        |                   |
| 107                     | 165                | 2650            | 9                        | 13.08  |                          |        |        |                   |
| 115                     | 160                | 2600            | 12                       | 12.14  |                          |        |        |                   |
| 133                     | 160                | 2410            | 12                       | 10.49  |                          |        |        |                   |
| 157                     | 160                | 2200            | 12                       | 8.91   |                          |        |        |                   |
| 176                     | 155                | 2110            | 13                       | 7.96   |                          |        |        |                   |
| 206                     | 150                | 1980            | 13                       | 6.80   |                          |        |        |                   |
| 220                     | 145                | 1950            | 13                       | 6.37   |                          |        |        |                   |
| 261                     | 140                | 1810            | 13                       | 5.36   |                          |        |        |                   |
| 352                     | 125                | 1660            | 13                       | 3.98   |                          |        |        |                   |

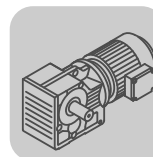
| K37R17, n <sub>e</sub> = 1400 1/min                                                                                                                                         |                           |                        |               |      | 200 Nm                   |       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|------------------------|---------------|------|--------------------------|-------|
| n <sub>a</sub><br>[1/min]                                                                                                                                                   | M <sub>amax</sub><br>[Nm] | F <sub>Ra</sub><br>[N] | φ(R)<br>[ ' ] | i    | DR63<br>DRS71S<br>DRS71M | DRS80 |
|  3  3 |                           |                        |               |      |                          |       |
| 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 |                          |       |
|  3  2 |                           |                        |               |      |                          |       |
| 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  |                          |       |



| <b>K37R17, <math>n_e = 1400</math> 1/min</b> |                    |                 |                        |     | <b>200 Nm</b>            |       |
|----------------------------------------------|--------------------|-----------------|------------------------|-----|--------------------------|-------|
| $n_a$<br>[1/min]                             | $M_{amax}$<br>[Nm] | $F_{Ra}$<br>[N] | $\varphi/(R)$<br>[ ' ] | $i$ | DR63<br>DRS71S<br>DRS71M | DRS80 |
| 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  |                          |       |

| <b>K47, <math>n_e = 1400</math> 1/min</b> |                    |                 |                        |         | <b>400 Nm</b>            |       |        |                   |          |
|-------------------------------------------|--------------------|-----------------|------------------------|---------|--------------------------|-------|--------|-------------------|----------|
| $n_a$<br>[1/min]                          | $M_{amax}$<br>[Nm] | $F_{Ra}$<br>[N] | $\varphi/(R)$<br>[ ' ] | $i$     | DR63<br>DRS71S<br>DRS71M | DRS80 | DRS90M | DRS90L<br>DRS100M | DRS100LC |
| 11                                        | 400                | 5920            | 6                      | 131.87* |                          |       |        |                   |          |
| 12                                        | 400                | 5920            | 6                      | 121.48* |                          |       |        |                   |          |
| 13                                        | 400                | 5920            | 6                      | 104.37  |                          |       |        |                   |          |
| 15                                        | 400                | 5920            | 6                      | 90.86   |                          |       |        |                   |          |
| 16                                        | 400                | 5920            | 6                      | 85.12*  |                          |       |        |                   |          |
| 19                                        | 400                | 5920            | 6                      | 75.20*  |                          |       |        |                   |          |
| 20                                        | 400                | 5920            | 6                      | 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            | 7                      | 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                | 4230            | 8                      | 16.86   |                          |       |        |                   |          |
| 88                                        | 380                | 4080            | 8                      | 15.86   |                          |       |        |                   |          |
| 103                                       | 360                | 3890            | 8                      | 13.65   |                          |       |        |                   |          |
| 115                                       | 350                | 3720            | 8                      | 12.19   |                          |       |        |                   |          |
| 119                                       | 280                | 4060            | 10                     | 11.77   |                          |       |        |                   |          |
| 133                                       | 280                | 3830            | 11                     | 10.56   |                          |       |        |                   |          |
| 154                                       | 280                | 3540            | 11                     | 9.10    |                          |       |        |                   |          |
| 164                                       | 270                | 3500            | 11                     | 8.56    |                          |       |        |                   |          |
| 190                                       | 250                | 3390            | 11                     | 7.36    |                          |       |        |                   |          |
| 213                                       | 240                | 3270            | 12                     | 6.58    |                          |       |        |                   |          |
| 241                                       | 230                | 3140            | 12                     | 5.81    |                          |       |        |                   |          |
| 302                                       | 205                | 2980            | 12                     | 4.64    |                          |       |        |                   |          |

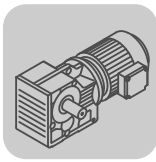
| <b>K47R37, <math>n_e = 1400</math> 1/min</b> |                    |                 |                        |       | <b>400 Nm</b>            |       |        |                   |
|----------------------------------------------|--------------------|-----------------|------------------------|-------|--------------------------|-------|--------|-------------------|
| $n_a$<br>[1/min]                             | $M_{amax}$<br>[Nm] | $F_{Ra}$<br>[N] | $\varphi/(R)$<br>[ ' ] | $i$   | DR63<br>DRS71S<br>DRS71M | DRS80 | DRS90M | DRS90L<br>DRS100M |
| 3  3                                         |                    |                 |                        |       |                          |       |        |                   |
| 0.14                                         | 400                | 5920            | -                      | 10138 |                          |       |        |                   |
| 0.16                                         | 400                | 5920            | -                      | 8534  |                          |       |        |                   |
| 0.18                                         | 400                | 5920            | -                      | 7662  |                          |       |        |                   |
| 0.21                                         | 400                | 5920            | -                      | 6826  |                          |       |        |                   |



| K47R37, $n_e = 1400$ 1/min                                                                                                                                              |                    |                 |                        |      | 400 Nm                   |       |        |                   |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-----------------|------------------------|------|--------------------------|-------|--------|-------------------|
| $n_a$<br>[1/min]                                                                                                                                                        | $M_{amax}$<br>[Nm] | $F_{Ra}$<br>[N] | $\varphi/(R)$<br>[ ' ] | $i$  | DR63<br>DRS71S<br>DRS71M | DRS80 | DRS90M | DRS90L<br>DRS100M |
| 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 |                          |       |        |                   |
|  3  2 |                    |                 |                        |      |                          |       |        |                   |
| 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  |                          |       |        |                   |
| 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  |                          |       |        |                   |
| 13                                                                                                                                                                      | 400                | 5920            | -                      | 112  |                          |       |        |                   |
| 14                                                                                                                                                                      | 400                | 5920            | -                      | 99   |                          |       |        |                   |
| 15                                                                                                                                                                      | 400                | 5920            | -                      | 94   |                          |       |        |                   |

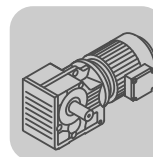
| K57, $n_e = 1400$ 1/min |                    |                 |                        |         | 600 Nm                   |       |        |                   |          |                    |
|-------------------------|--------------------|-----------------|------------------------|---------|--------------------------|-------|--------|-------------------|----------|--------------------|
| $n_a$<br>[1/min]        | $M_{amax}$<br>[Nm] | $F_{Ra}$<br>[N] | $\varphi/(R)$<br>[ ' ] | $i$     | DR63<br>DRS71S<br>DRS71M | DRS80 | DRS90M | DRS90L<br>DRS100M | DRS100LC | DRS132S<br>DRS132M |
| 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            | 6                      | 44.43   |                          |       |        |                   |          |                    |
| 36                      | 600                | 7630            | 6                      | 38.49   |                          |       |        |                   |          |                    |
| 39                      | 600                | 7630            | 7                      | 35.70   |                          |       |        |                   |          |                    |
| 46                      | 600                | 7310            | 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            | 7                      | 17.57   |                          |       |        |                   |          |                    |





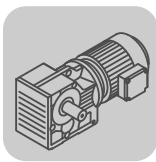
| <b>K57, <math>n_e = 1400</math> 1/min</b> |                    |                 |                        |       |                          |       |        |                   |          | <b>600 Nm</b>      |
|-------------------------------------------|--------------------|-----------------|------------------------|-------|--------------------------|-------|--------|-------------------|----------|--------------------|
| $n_a$<br>[1/min]                          | $M_{amax}$<br>[Nm] | $F_{Ra}$<br>[N] | $\varphi/(R)$<br>[ ' ] | $i$   | DR63<br>DRS71S<br>DRS71M | DRS80 | DRS90M | DRS90L<br>DRS100M | DRS100LC | DRS132S<br>DRS132M |
| 92                                        | 535                | 5430            | 7                      | 15.22 |                          |       |        |                   |          |                    |
| 106                                       | 510                | 5190            | 7                      | 13.25 |                          |       |        |                   |          |                    |
| 117                                       | 415                | 5150            | 9                      | 11.92 |                          |       |        |                   |          |                    |
| 124                                       | 415                | 4990            | 9                      | 11.26 |                          |       |        |                   |          |                    |
| 146                                       | 405                | 4650            | 10                     | 9.59  |                          |       |        |                   |          |                    |
| 161                                       | 390                | 4520            | 10                     | 8.71  |                          |       |        |                   |          |                    |
| 185                                       | 365                | 4360            | 10                     | 7.55  |                          |       |        |                   |          |                    |
| 213                                       | 345                | 4190            | 10                     | 6.57  |                          |       |        |                   |          |                    |
| 299                                       | 300                | 3800            | 11                     | 4.69  |                          |       |        |                   |          |                    |

| K57R37, n <sub>e</sub> = 1400 1/min                                                                                                                                         |                           |                        |                            |       | 600 Nm                   |       |        |                   |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|------------------------|----------------------------|-------|--------------------------|-------|--------|-------------------|--|
| n <sub>a</sub><br>[1/min]                                                                                                                                                   | M <sub>amax</sub><br>[Nm] | F <sub>Ra</sub><br>[N] | φ <sub>(/R)</sub><br>[ ' ] | i     | DR63<br>DRS71S<br>DRS71M | DRS80 | DRS90M | DRS90L<br>DRS100M |  |
|  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  |                          |       |        |                   |  |
| 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, $n_e = 1400$ 1/min |                    |                 |                      |         |                          |       |        |                   |          |                    | 820 Nm   |
|-------------------------|--------------------|-----------------|----------------------|---------|--------------------------|-------|--------|-------------------|----------|--------------------|----------|
| $n_a$<br>[1/min]        | $M_{amax}$<br>[Nm] | $F_{Ra}$<br>[N] | $\varphi/(R)$<br>[°] | $i$     | DR63<br>DRS71S<br>DRS71M | DRS80 | DRS90M | DRS90L<br>DRS100M | DRS100LC | DRS132S<br>DRS132M | DRS132MC |
| 9.7                     | 820                | 10300           | 6                    | 144.79* |                          |       |        |                   |          |                    |          |
| 11                      | 820                | 10300           | 6                    | 123.54  |                          |       |        |                   |          |                    |          |
| 13                      | 820                | 10300           | 6                    | 108.03  |                          |       |        |                   |          |                    |          |
| 14                      | 820                | 10300           | 6                    | 102.62  |                          |       |        |                   |          |                    |          |
| 16                      | 820                | 10300           | 6                    | 90.04   |                          |       |        |                   |          |                    |          |
| 18                      | 820                | 10300           | 6                    | 76.37   |                          |       |        |                   |          |                    |          |
| 20                      | 820                | 10300           | 6                    | 68.95   |                          |       |        |                   |          |                    |          |
| 23                      | 820                | 10300           | 6                    | 60.66   |                          |       |        |                   |          |                    |          |
| 24                      | 820                | 10300           | 6                    | 57.28   |                          |       |        |                   |          |                    |          |
| 29                      | 820                | 10300           | 6                    | 48.77   |                          |       |        |                   |          |                    |          |
| 32                      | 820                | 10300           | 6                    | 44.32   |                          |       |        |                   |          |                    |          |
| 36                      | 800                | 10500           | 6                    | 38.39   |                          |       |        |                   |          |                    |          |
| 39                      | 820                | 10300           | 7                    | 35.62   |                          |       |        |                   |          |                    |          |
| 46                      | 820                | 10300           | 7                    | 30.22   |                          |       |        |                   |          |                    |          |
| 51                      | 820                | 10300           | 7                    | 27.28   |                          |       |        |                   |          |                    |          |
| 58                      | 800                | 10500           | 7                    | 24.00   |                          |       |        |                   |          |                    |          |
| 62                      | 780                | 10700           | 7                    | 22.66   |                          |       |        |                   |          |                    |          |
| 73                      | 760                | 10800           | 7                    | 19.30   |                          |       |        |                   |          |                    |          |
| 80                      | 740                | 11000           | 7                    | 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           | 9                    | 9.66    |                          |       |        |                   |          |                    |          |
| 167                     | 440                | 11100           | 9                    | 8.37    |                          |       |        |                   |          |                    |          |
| 192                     | 420                | 10700           | 9                    | 7.28    |                          |       |        |                   |          |                    |          |
| 269                     | 350                | 9870            | 10                   | 5.20    |                          |       |        |                   |          |                    |          |

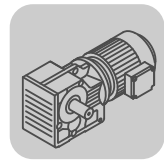
| K67R37, n <sub>e</sub> = 1400 1/min                                                                                                                                         |                           |                        |               |       | 820 Nm                   |       |        |                   |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|------------------------|---------------|-------|--------------------------|-------|--------|-------------------|
| n <sub>a</sub><br>[1/min]                                                                                                                                                   | M <sub>amax</sub><br>[Nm] | F <sub>Ra</sub><br>[N] | φ(R)<br>[ ' ] | i     | DR63<br>DRS71S<br>DRS71M | DRS80 | DRS90M | DRS90L<br>DRS100M |
|  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   |                          |       |        |                   |



| <b>K67R37, <math>n_e = 1400</math> 1/min</b> |                    |                 |                     |     | <b>820 Nm</b>            |       |        |                   |
|----------------------------------------------|--------------------|-----------------|---------------------|-----|--------------------------|-------|--------|-------------------|
| $n_a$<br>[1/min]                             | $M_{amax}$<br>[Nm] | $F_{Ra}$<br>[N] | $\varphi(R)$<br>[°] | $i$ | DR63<br>DRS71S<br>DRS71M | DRS80 | DRS90M | DRS90L<br>DRS100M |
| 2.3                                          | 820                | 10300           | -                   | 613 |                          |       |        |                   |
| 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 |                          |       |        |                   |

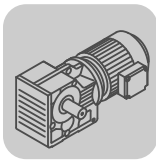
| <b>K77, <math>n_e = 1400</math> 1/min</b> |                    |                 |                     |        | <b>1550 Nm</b>           |       |        |                   |          |                    |                    |
|-------------------------------------------|--------------------|-----------------|---------------------|--------|--------------------------|-------|--------|-------------------|----------|--------------------|--------------------|
| $n_a$<br>[1/min]                          | $M_{amax}$<br>[Nm] | $F_{Ra}$<br>[N] | $\varphi(R)$<br>[°] | $i$    | DR63<br>DRS71S<br>DRS71M | DRS80 | DRS90M | DRS90L<br>DRS100M | DRS100LC | DRS132S<br>DRS132M | DRS132MC<br>DRS160 |
| 7.3                                       | 1450               | 16100           | 5                   | 192.18 |                          |       |        |                   |          |                    |                    |
| 7.8                                       | 1450               | 16100           | 5                   | 179.37 |                          |       |        |                   |          |                    |                    |
| 9.1                                       | 1550               | 15400           | 5                   | 154.02 |                          |       |        |                   |          |                    |                    |
| 10                                        | 1550               | 15400           | 5                   | 135.28 |                          |       |        |                   |          |                    |                    |
| 11                                        | 1550               | 15400           | 5                   | 128.52 |                          |       |        |                   |          |                    |                    |
| 12                                        | 1550               | 15400           | 5                   | 113.56 |                          |       |        |                   |          |                    |                    |
| 14                                        | 1550               | 15400           | 5                   | 97.05  |                          |       |        |                   |          |                    |                    |
| 16                                        | 1550               | 15400           | 5                   | 88.97  |                          |       |        |                   |          |                    |                    |
| 18                                        | 1550               | 15400           | 5                   | 78.07  |                          |       |        |                   |          |                    |                    |
| 19                                        | 1550               | 15400           | 5                   | 73.99  |                          |       |        |                   |          |                    |                    |
| 22                                        | 1550               | 15400           | 5                   | 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           | 6                   | 30.89  |                          |       |        |                   |          |                    |                    |
| 48                                        | 1550               | 15400           | 6                   | 29.27  |                          |       |        |                   |          |                    |                    |
| 55                                        | 1550               | 15400           | 6                   | 25.62  |                          |       |        |                   |          |                    |                    |
| 61                                        | 1550               | 15400           | 6                   | 23.08  |                          |       |        |                   |          |                    |                    |
| 69                                        | 1500               | 15700           | 6                   | 20.25  |                          |       |        |                   |          |                    |                    |
| 78                                        | 1450               | 16100           | 6                   | 17.87  |                          |       |        |                   |          |                    |                    |
| 88                                        | 1400               | 15500           | 6                   | 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           | 8                   | 8.48   |                          |       |        |                   |          |                    |                    |
| 193                                       | 820                | 13100           | 8                   | 7.24   |                          |       |        |                   |          |                    |                    |

| <b>K77R37, <math>n_e = 1400</math> 1/min</b>                                                                                                                                |                    |                 |                     |       | <b>1550 Nm</b>           |       |        |                   |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-----------------|---------------------|-------|--------------------------|-------|--------|-------------------|
| $n_a$<br>[1/min]                                                                                                                                                            | $M_{amax}$<br>[Nm] | $F_{Ra}$<br>[N] | $\varphi(R)$<br>[°] | $i$   | DR63<br>DRS71S<br>DRS71M | DRS80 | DRS90M | DRS90L<br>DRS100M |
|  3  3 |                    |                 |                     |       |                          |       |        |                   |
| 0.09                                                                                                                                                                        | 1550               | 15400           | -                   | 15310 |                          |       |        |                   |
| 0.10                                                                                                                                                                        | 1550               | 15400           | -                   | 14043 |                          |       |        |                   |
| 0.12                                                                                                                                                                        | 1550               | 15400           | -                   | 11955 |                          |       |        |                   |
| 0.14                                                                                                                                                                        | 1550               | 15400           | -                   | 10217 |                          |       |        |                   |



| K77R37, $n_e = 1400$ 1/min |                    |                 |                      |      | 1550 Nm                  |       |        |                   |
|----------------------------|--------------------|-----------------|----------------------|------|--------------------------|-------|--------|-------------------|
| $n_a$<br>[1/min]           | $M_{amax}$<br>[Nm] | $F_{Ra}$<br>[N] | $\varphi/(R)$<br>[°] | $i$  | DR63<br>DRS71S<br>DRS71M | DRS80 | DRS90M | DRS90L<br>DRS100M |
| 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 |                          |       |        |                   |
| 3 2                        |                    |                 |                      |      |                          |       |        |                   |
| 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  |                          |       |        |                   |

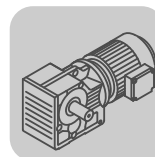
| K87, $n_e = 1400$ 1/min |                    |                 |                      |         | 2700 Nm |       |        |                   |          |                    |                    |                    |          |
|-------------------------|--------------------|-----------------|----------------------|---------|---------|-------|--------|-------------------|----------|--------------------|--------------------|--------------------|----------|
| $n_a$<br>[1/min]        | $M_{amax}$<br>[Nm] | $F_{Ra}$<br>[N] | $\varphi/(R)$<br>[°] | $i$     | DRS71M  | DRS80 | DRS90M | DRS90L<br>DRS100M | DRS100LC | DRS132S<br>DRS132M | DRS132MC<br>DRS160 | DRS180M<br>DRS180L | DRS180HC |
| 7.1                     | 2700               | 27300           | 5                    | 197.37  |         |       |        |                   |          |                    |                    |                    |          |
| 8.0                     | 2700               | 27300           | 5                    | 174.19  |         |       |        |                   |          |                    |                    |                    |          |
| 8.5                     | 2700               | 27300           | 5                    | 164.34* |         |       |        |                   |          |                    |                    |                    |          |
| 9.5                     | 2700               | 27300           | 5                    | 147.32* |         |       |        |                   |          |                    |                    |                    |          |
| 11                      | 2700               | 27300           | 5                    | 126.91* |         |       |        |                   |          |                    |                    |                    |          |
| 12                      | 2700               | 27300           | 5                    | 115.82  |         |       |        |                   |          |                    |                    |                    |          |
| 14                      | 2700               | 27300           | 5                    | 102.71* |         |       |        |                   |          |                    |                    |                    |          |
| 16                      | 2700               | 27300           | 5                    | 86.34   |         |       |        |                   |          |                    |                    |                    |          |
| 18                      | 2700               | 27300           | 5                    | 79.34   |         |       |        |                   |          |                    |                    |                    |          |
| 20                      | 2700               | 27300           | 5                    | 70.46   |         |       |        |                   |          |                    |                    |                    |          |
| 22                      | 2700               | 26200           | 5                    | 63.00*  |         |       |        |                   |          |                    |                    |                    |          |
| 25                      | 2700               | 25000           | 5                    | 56.64   |         |       |        |                   |          |                    |                    |                    |          |
| 28                      | 2700               | 23500           | 5                    | 49.16   |         |       |        |                   |          |                    |                    |                    |          |
| 32                      | 2600               | 22800           | 6                    | 44.02   |         |       |        |                   |          |                    |                    |                    |          |
| 38                      | 2500               | 21400           | 6                    | 36.52*  |         |       |        |                   |          |                    |                    |                    |          |
| 45                      | 2700               | 19200           | 6                    | 31.39   |         |       |        |                   |          |                    |                    |                    |          |
| 50                      | 2600               | 18500           | 6                    | 27.88   |         |       |        |                   |          |                    |                    |                    |          |
| 56                      | 2500               | 18000           | 6                    | 24.92   |         |       |        |                   |          |                    |                    |                    |          |
| 62                      | 2300               | 17900           | 6                    | 22.41   |         |       |        |                   |          |                    |                    |                    |          |
| 72                      | 2300               | 16800           | 6                    | 19.45   |         |       |        |                   |          |                    |                    |                    |          |



| <b>K87, <math>n_e = 1400</math> 1/min</b> |                    |                 |                        |       |        |       |        |                   |          | <b>2700 Nm</b>     |                    |                    |          |
|-------------------------------------------|--------------------|-----------------|------------------------|-------|--------|-------|--------|-------------------|----------|--------------------|--------------------|--------------------|----------|
| $n_a$<br>[1/min]                          | $M_{amax}$<br>[Nm] | $F_{Ra}$<br>[N] | $\varphi_{(R)}$<br>[°] | $i$   | DRS71M | DRS80 | DRS90M | DRS90L<br>DRS100M | DRS100LC | DRS132S<br>DRS132M | DRS132MC<br>DRS160 | DRS180M<br>DRS180L | DRS180HC |
| 80                                        | 2200               | 16300           | 6                      | 17.42 |        |       |        |                   |          |                    |                    |                    |          |
| 88                                        | 1800               | 16000           | 6                      | 16.00 |        |       |        |                   |          |                    |                    |                    |          |
| 97                                        | 2100               | 15300           | 6                      | 14.45 |        |       |        |                   |          |                    |                    |                    |          |
| 111                                       | 2000               | 14800           | 6                      | 12.56 |        |       |        |                   |          |                    |                    |                    |          |
| 125                                       | 1500               | 14900           | 7                      | 11.17 |        |       |        |                   |          |                    |                    |                    |          |
| 140                                       | 1500               | 14200           | 7                      | 10.00 |        |       |        |                   |          |                    |                    |                    |          |
| 169                                       | 1400               | 13500           | 7                      | 8.29  |        |       |        |                   |          |                    |                    |                    |          |
| 194                                       | 1300               | 13200           | 7                      | 7.21  |        |       |        |                   |          |                    |                    |                    |          |

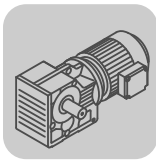
| <b>K87R57, <math>n_e = 1400</math> 1/min</b> |                    |                 |                        |       |                          |       |        |                   |          | <b>2700 Nm</b>     |          |  |
|----------------------------------------------|--------------------|-----------------|------------------------|-------|--------------------------|-------|--------|-------------------|----------|--------------------|----------|--|
| $n_a$<br>[1/min]                             | $M_{amax}$<br>[Nm] | $F_{Ra}$<br>[N] | $\varphi_{(R)}$<br>[°] | $i$   | DR63<br>DRS71S<br>DRS71M | DRS80 | DRS90M | DRS90L<br>DRS100M | DRS100LC | DRS132S<br>DRS132M | DRS132MC |  |
| 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  |                          |       |        |                   |          |                    |          |  |
| 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 <sub>e</sub> = 1400 1/min |                           |                        |                |         |       |        |                   |          |                    |                    |                    |                                | 4300 Nm  |  |
|----------------------------------|---------------------------|------------------------|----------------|---------|-------|--------|-------------------|----------|--------------------|--------------------|--------------------|--------------------------------|----------|--|
| n <sub>a</sub><br>[1/min]        | M <sub>amax</sub><br>[Nm] | F <sub>Ra</sub><br>[N] | φ/(R)<br>[ ' ] | i       | DRS80 | DRS90M | DRS90L<br>DRS100M | DRS100LC | DRS132S<br>DRS132M | DRS132MC<br>DRS160 | DRS180M<br>DRS180L | DRS180HC<br>DRS225S<br>DRS225M | DRS225MC |  |
| 8.0                              | 4300                      | 40000                  | 7              | 176.05* |       |        |                   |          |                    |                    |                    |                                |          |  |
| 9.1                              | 4300                      | 40000                  | 7              | 153.21* |       |        |                   |          |                    |                    |                    |                                |          |  |
| 10                               | 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                  | 7              | 38.30   |       |        |                   |          |                    |                    |                    |                                |          |  |
| 41                               | 4300                      | 25700                  | 7              | 34.23   |       |        |                   |          |                    |                    |                    |                                |          |  |
| 45                               | 4300                      | 24500                  | 7              | 30.82   |       |        |                   |          |                    |                    |                    |                                |          |  |
| 50                               | 4300                      | 23300                  | 8              | 27.91   |       |        |                   |          |                    |                    |                    |                                |          |  |
| 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    |       |        |                   |          |                    |                    |                    |                                |          |  |

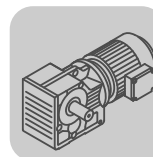
| K97R57, n <sub>e</sub> = 1400 1/min                                                                                                                                         |                           |                        |                |       | 4300 Nm                  |       |        |                   |          |                    |          |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|------------------------|----------------|-------|--------------------------|-------|--------|-------------------|----------|--------------------|----------|
| n <sub>a</sub><br>[1/min]                                                                                                                                                   | M <sub>amax</sub><br>[Nm] | F <sub>Ra</sub><br>[N] | φ(/R)<br>[ ' ] | i     | DR63<br>DRS71S<br>DRS71M | DRS80 | DRS90M | DRS90L<br>DRS100M | DRS100LC | DRS132S<br>DRS132M | DRS132MC |
|  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   |                          |       |        |                   |          |                    |          |



| K97R57, n <sub>e</sub> = 1400 1/min |                           |                        |               |     |                          |       |        |                   |          |                    | 4300 Nm  |
|-------------------------------------|---------------------------|------------------------|---------------|-----|--------------------------|-------|--------|-------------------|----------|--------------------|----------|
| n <sub>a</sub><br>[1/min]           | M <sub>amax</sub><br>[Nm] | F <sub>Ra</sub><br>[N] | φ(R)<br>[ ' ] | i   | DR63<br>DRS71S<br>DRS71M | DRS80 | DRS90M | DRS90L<br>DRS100M | DRS100LC | DRS132S<br>DRS132M | DRS132MC |
| 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 |                          |       |        |                   |          |                    |          |
| 4.6                                 | 4300                      | 40000                  | -             | 305 |                          |       |        |                   |          |                    |          |
| 5.4                                 | 4300                      | 40000                  | -             | 258 |                          |       |        |                   |          |                    |          |
| 6.0                                 | 4300                      | 40000                  | -             | 232 |                          |       |        |                   |          |                    |          |
| 7.0                                 | 4300                      | 40000                  | -             | 199 |                          |       |        |                   |          |                    |          |

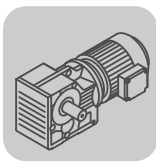
| K107, n <sub>e</sub> = 1400 1/min |                           |                        |                |         |                   |          |                    |                    |                    |                                | 8000 Nm  |
|-----------------------------------|---------------------------|------------------------|----------------|---------|-------------------|----------|--------------------|--------------------|--------------------|--------------------------------|----------|
| n <sub>a</sub><br>[1/min]         | M <sub>amax</sub><br>[Nm] | F <sub>Ra</sub><br>[N] | φ/(R)<br>[ ' ] | i       | DRS90L<br>DRS100M | DRS100LC | DRS132S<br>DRS132M | DRS132MC<br>DRS160 | DRS180M<br>DRS180L | DRS180HC<br>DRS225S<br>DRS225M | DRS225MC |
| 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                  | 6              | 32.69   |                   |          |                    |                    |                    |                                |          |
| 45                                | 6800                      | 34200                  | 6              | 31.28*  |                   |          |                    |                    |                    |                                |          |
| 48                                | 7200                      | 30700                  | 6              | 29.00   |                   |          |                    |                    |                    |                                |          |
| 53                                | 7200                      | 28800                  | 6              | 26.32   |                   |          |                    |                    |                    |                                |          |
| 62                                | 7200                      | 25800                  | 6              | 22.62   |                   |          |                    |                    |                    |                                |          |
| 71                                | 7200                      | 23200                  | 6              | 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 <sub>e</sub> = 1400 1/min                                                                                                                                        |                           |                        |                |       |                          |       |        |                   |          |                    | 8000 Nm            |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|------------------------|----------------|-------|--------------------------|-------|--------|-------------------|----------|--------------------|--------------------|
| n <sub>a</sub><br>[1/min]                                                                                                                                                   | M <sub>amax</sub><br>[Nm] | F <sub>Ra</sub><br>[N] | φ(/R)<br>[ ' ] | i     | DR63<br>DRS71S<br>DRS71M | DRS80 | DRS90M | DRS90L<br>DRS100M | DRS100LC | DRS132S<br>DRS132M | DRS132MC<br>DRS160 |
|  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  |                          |       |        |                   |          |                    |                    |
| 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  |                          |       |        |                   |          |                    |                    |



| K107R77, n <sub>e</sub> = 1400 1/min                                                                                                                                    |                           |                        |                |      |                          |       |        |                   |          | 8000 Nm            |                    |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|------------------------|----------------|------|--------------------------|-------|--------|-------------------|----------|--------------------|--------------------|
| n <sub>a</sub><br>[1/min]                                                                                                                                               | M <sub>amax</sub><br>[Nm] | F <sub>Ra</sub><br>[N] | φ/(R)<br>[ ' ] | i    | DR63<br>DRS71S<br>DRS71M | DRS80 | DRS90M | DRS90L<br>DRS100M | DRS100LC | DRS132S<br>DRS132M | DRS132MC<br>DRS160 |
| 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 |                          |       |        |                   |          |                    |                    |
|  3  2 |                           |                        |                |      |                          |       |        |                   |          |                    |                    |
| 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  |                          |       |        |                   |          |                    |                    |

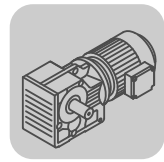
| K127, n <sub>e</sub> = 1400 1/min |                           |                        |                            |        |                    |                    |                    |                                | 13000 Nm          |
|-----------------------------------|---------------------------|------------------------|----------------------------|--------|--------------------|--------------------|--------------------|--------------------------------|-------------------|
| n <sub>a</sub><br>[1/min]         | M <sub>amax</sub><br>[Nm] | F <sub>Ra</sub><br>[N] | φ <sub>(/R)</sub><br>[ ' ] | i      | DRS132S<br>DRS132M | DRS132MC<br>DRS160 | DRS180M<br>DRS180L | DRS180HC<br>DRS225S<br>DRS225M | DRS225MC<br>DV280 |
| 9.6                               | 13000                     | 79200                  | 5                          | 146.07 |                    |                    |                    |                                |                   |
| 10                                | 13000                     | 79200                  | 5                          | 136.14 |                    |                    |                    |                                |                   |
| 11                                | 13000                     | 79200                  | 5                          | 122.48 |                    |                    |                    |                                |                   |
| 13                                | 13000                     | 79200                  | 5                          | 110.18 |                    |                    |                    |                                |                   |
| 16                                | 13000                     | 75100                  | 5                          | 89.89  |                    |                    |                    |                                |                   |
| 17                                | 13000                     | 72100                  | 5                          | 81.98  |                    |                    |                    |                                |                   |
| 20                                | 13000                     | 67700                  | 5                          | 70.95* |                    |                    |                    |                                |                   |
| 22                                | 13000                     | 64000                  | 5                          | 62.60  |                    |                    |                    |                                |                   |
| 26                                | 13000                     | 59900                  | 5                          | 54.07  |                    |                    |                    |                                |                   |
| 29                                | 13000                     | 56500                  | 5                          | 47.82  |                    |                    |                    |                                |                   |
| 35                                | 13000                     | 52000                  | 5                          | 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                  | 8                          | 10.74  |                    |                    |                    |                                |                   |
| 161                               | 7230                      | 32500                  | 8                          | 8.68   |                    |                    |                    |                                |                   |



| K127R77, n <sub>e</sub> = 1400 1/min                                                                                                                                    |                           |                        |               |       |                          |       |        |                   |          |                    | 13000 Nm           |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|------------------------|---------------|-------|--------------------------|-------|--------|-------------------|----------|--------------------|--------------------|--|
| n <sub>a</sub><br>[1/min]                                                                                                                                               | M <sub>amax</sub><br>[Nm] | F <sub>Ra</sub><br>[N] | φ(R)<br>[ ' ] | i     | DR63<br>DRS71S<br>DRS71M | DRS80 | DRS90M | DRS90L<br>DRS100M | DRS100LC | DRS132S<br>DRS132M | DRS132MC<br>DRS160 |  |
|  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   |                          |       |        |                   |          |                    |                    |  |
| 3.3                                                                                                                                                                     | 13000                     | 79200                  | -             | 418   |                          |       |        |                   |          |                    |                    |  |

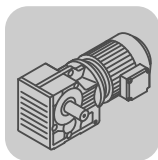
| K127R87, n <sub>e</sub> = 1400 1/min                                                                                                                                        |                           |                        |               |     |       |        |                   |          |                    |                    | 13000 Nm           |          |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|------------------------|---------------|-----|-------|--------|-------------------|----------|--------------------|--------------------|--------------------|----------|
| n <sub>a</sub><br>[1/min]                                                                                                                                                   | M <sub>amax</sub><br>[Nm] | F <sub>Ra</sub><br>[N] | φ(R)<br>[ ' ] | i   | DRS80 | DRS90M | DRS90L<br>DRS100M | DRS100LC | DRS132S<br>DRS132M | DRS132MC<br>DRS160 | DRS180M<br>DRS180L | DRS180HC |
|  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 1/min |                           |                        |               |        |        |                    |                                |                   |                    |                    | 18000 Nm |  |
|-----------------------------------|---------------------------|------------------------|---------------|--------|--------|--------------------|--------------------------------|-------------------|--------------------|--------------------|----------|--|
| n <sub>a</sub><br>[1/min]         | M <sub>amax</sub><br>[Nm] | F <sub>Ra</sub><br>[N] | φ(R)<br>[ ' ] | i      | DRS160 | DRS180M<br>DRS180L | DRS180HC<br>DRS225S<br>DRS225M | DRS225MC<br>DV280 | DRS315K<br>DRS315S | DRS315M<br>DRS315L |          |  |
| 9.3                               | 18000                     | 112200                 | 5             | 150.41 |        |                    |                                |                   |                    |                    |          |  |
| 11                                | 18000                     | 106500                 | 5             | 122.39 |        |                    |                                |                   |                    |                    |          |  |
| 14                                | 18000                     | 98000                  | 5             | 100.22 |        |                    |                                |                   |                    |                    |          |  |



| K157, $n_e = 1400$ 1/min |                    |                 |                     |       |        | 18000 Nm           |                                |                   |                    |                    |
|--------------------------|--------------------|-----------------|---------------------|-------|--------|--------------------|--------------------------------|-------------------|--------------------|--------------------|
| $n_a$<br>[1/min]         | $M_{amax}$<br>[Nm] | $F_{Ra}$<br>[N] | $\varphi(R)$<br>[°] | $i$   | DRS160 | DRS180M<br>DRS180L | DRS180HC<br>DRS225S<br>DRS225M | DRS225MC<br>DV280 | DRS315K<br>DRS315S | DRS315M<br>DRS315L |
| 15                       | 18000              | 94400           | 5                   | 91.65 |        |                    |                                |                   |                    |                    |
| 18                       | 18000              | 88900           | 5                   | 79.75 |        |                    |                                |                   |                    |                    |
| 20                       | 18000              | 84200           | 5                   | 70.38 |        |                    |                                |                   |                    |                    |
| 23                       | 18000              | 79000           | 5                   | 61.02 |        |                    |                                |                   |                    |                    |
| 26                       | 18000              | 74900           | 5                   | 54.29 |        |                    |                                |                   |                    |                    |
| 30                       | 18000              | 70000           | 5                   | 46.79 |        |                    |                                |                   |                    |                    |
| 37                       | 18000              | 63400           | 5                   | 38.02 |        |                    |                                |                   |                    |                    |
| 45                       | 18000              | 57500           | 6                   | 31.30 |        |                    |                                |                   |                    |                    |
| 51                       | 18000              | 54000           | 6                   | 27.62 |        |                    |                                |                   |                    |                    |
| 58                       | 18000              | 50000           | 6                   | 23.95 |        |                    |                                |                   |                    |                    |
| 66                       | 18000              | 47000           | 6                   | 21.31 |        |                    |                                |                   |                    |                    |
| 76                       | 18000              | 43200           | 6                   | 18.37 |        |                    |                                |                   |                    |                    |
| 94                       | 18000              | 38200           | 6                   | 14.92 |        |                    |                                |                   |                    |                    |
| 111                      | 17000              | 36700           | 6                   | 12.65 |        |                    |                                |                   |                    |                    |

| K157R97, $n_e = 1400$ 1/min                                                                                                                                                 |                    |                 |                     |       |        |       |        |                   |          |                    | 18000 Nm           |                    |                                |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-----------------|---------------------|-------|--------|-------|--------|-------------------|----------|--------------------|--------------------|--------------------|--------------------------------|
| $n_a$<br>[1/min]                                                                                                                                                            | $M_{amax}$<br>[Nm] | $F_{Ra}$<br>[N] | $\varphi(R)$<br>[°] | $i$   | DRS71M | DRS80 | DRS90M | DRS90L<br>DRS100M | DRS100LC | DRS132S<br>DRS132M | DRS132MC<br>DRS160 | DRS180M<br>DRS180L | DRS180HC<br>DRS225S<br>DRS225M |
|  3  3     |                    |                 |                     |       |        |       |        |                   |          |                    |                    |                    |                                |
| 0.08                                                                                                                                                                        | 18000              | 112200          | -                   | 17679 |        |       |        |                   |          |                    |                    |                    |                                |
| 0.09                                                                                                                                                                        | 18000              | 112200          | -                   | 15729 |        |       |        |                   |          |                    |                    |                    |                                |
| 0.10                                                                                                                                                                        | 18000              | 112200          | -                   | 14721 |        |       |        |                   |          |                    |                    |                    |                                |
| 0.11                                                                                                                                                                        | 18000              | 112200          | -                   | 13097 |        |       |        |                   |          |                    |                    |                    |                                |
| 0.12                                                                                                                                                                        | 18000              | 112200          | -                   | 11368 |        |       |        |                   |          |                    |                    |                    |                                |
| 0.14                                                                                                                                                                        | 18000              | 112200          | -                   | 10114 |        |       |        |                   |          |                    |                    |                    |                                |
| 0.16                                                                                                                                                                        | 18000              | 112200          | -                   | 8718  |        |       |        |                   |          |                    |                    |                    |                                |
| 0.18                                                                                                                                                                        | 18000              | 112200          | -                   | 7734  |        |       |        |                   |          |                    |                    |                    |                                |
| 0.20                                                                                                                                                                        | 18000              | 112200          | -                   | 6881  |        |       |        |                   |          |                    |                    |                    |                                |
| 0.24                                                                                                                                                                        | 18000              | 112200          | -                   | 5931  |        |       |        |                   |          |                    |                    |                    |                                |
| 0.28                                                                                                                                                                        | 18000              | 112200          | -                   | 5074  |        |       |        |                   |          |                    |                    |                    |                                |
| 0.31                                                                                                                                                                        | 18000              | 112200          | -                   | 4514  |        |       |        |                   |          |                    |                    |                    |                                |
| 0.35                                                                                                                                                                        | 18000              | 112200          | -                   | 3979  |        |       |        |                   |          |                    |                    |                    |                                |
| 0.40                                                                                                                                                                        | 18000              | 112200          | -                   | 3516  |        |       |        |                   |          |                    |                    |                    |                                |
| 0.46                                                                                                                                                                        | 18000              | 112200          | -                   | 3051  |        |       |        |                   |          |                    |                    |                    |                                |
| 0.54                                                                                                                                                                        | 18000              | 112200          | -                   | 2610  |        |       |        |                   |          |                    |                    |                    |                                |
| 0.60                                                                                                                                                                        | 18000              | 112200          | -                   | 2322  |        |       |        |                   |          |                    |                    |                    |                                |
| 0.69                                                                                                                                                                        | 18000              | 112200          | -                   | 2029  |        |       |        |                   |          |                    |                    |                    |                                |
| 0.78                                                                                                                                                                        | 18000              | 112200          | -                   | 1805  |        |       |        |                   |          |                    |                    |                    |                                |
|  3  2 |                    |                 |                     |       |        |       |        |                   |          |                    |                    |                    |                                |
| 0.84                                                                                                                                                                        | 18000              | 112200          | -                   | 1659  |        |       |        |                   |          |                    |                    |                    |                                |
| 1.0                                                                                                                                                                         | 18000              | 112200          | -                   | 1365  |        |       |        |                   |          |                    |                    |                    |                                |
| 1.1                                                                                                                                                                         | 18000              | 112200          | -                   | 1229  |        |       |        |                   |          |                    |                    |                    |                                |
| 1.3                                                                                                                                                                         | 18000              | 112200          | -                   | 1093  |        |       |        |                   |          |                    |                    |                    |                                |
| 1.5                                                                                                                                                                         | 18000              | 112200          | -                   | 942   |        |       |        |                   |          |                    |                    |                    |                                |
| 1.6                                                                                                                                                                         | 18000              | 112200          | -                   | 854   |        |       |        |                   |          |                    |                    |                    |                                |
| 1.9                                                                                                                                                                         | 18000              | 112200          | -                   | 756   |        |       |        |                   |          |                    |                    |                    |                                |
| 2.1                                                                                                                                                                         | 18000              | 112200          | -                   | 661   |        |       |        |                   |          |                    |                    |                    |                                |
| 2.5                                                                                                                                                                         | 18000              | 112200          | -                   | 567   |        |       |        |                   |          |                    |                    |                    |                                |
| 2.8                                                                                                                                                                         | 18000              | 112200          | -                   | 504   |        |       |        |                   |          |                    |                    |                    |                                |
| 3.2                                                                                                                                                                         | 18000              | 112200          | -                   | 434   |        |       |        |                   |          |                    |                    |                    |                                |
| 3.7                                                                                                                                                                         | 18000              | 112200          | -                   | 379   |        |       |        |                   |          |                    |                    |                    |                                |
| 4.2                                                                                                                                                                         | 18000              | 112200          | -                   | 333   |        |       |        |                   |          |                    |                    |                    |                                |
| 4.8                                                                                                                                                                         | 18000              | 112200          | -                   | 291   |        |       |        |                   |          |                    |                    |                    |                                |

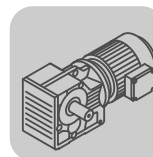


| <b>K157R107, <math>n_e = 1400</math> 1/min</b> |                    |                 |                      |     |                    |                    |                    |                                |          | <b>18000 Nm</b> |
|------------------------------------------------|--------------------|-----------------|----------------------|-----|--------------------|--------------------|--------------------|--------------------------------|----------|-----------------|
| $n_a$<br>[1/min]                               | $M_{amax}$<br>[Nm] | $F_{Ra}$<br>[N] | $\varphi/(R)$<br>[°] | $i$ | DRS132S<br>DRS132M | DRS132MC<br>DRS160 | DRS180M<br>DRS180L | DRS180HC<br>DRS225S<br>DRS225M | DRS225MC |                 |
| 3  2                                           |                    |                 |                      |     |                    |                    |                    |                                |          |                 |
| 3.6                                            | 18000              | 112200          | -                    | 385 |                    |                    |                    |                                |          |                 |
| 4.3                                            | 18000              | 112200          | -                    | 325 |                    |                    |                    |                                |          |                 |
| 4.7                                            | 18000              | 112200          | -                    | 299 |                    |                    |                    |                                |          |                 |
| 5.5                                            | 18000              | 112200          | -                    | 253 |                    |                    |                    |                                |          |                 |
| 6.1                                            | 18000              | 112200          | -                    | 230 |                    |                    |                    |                                |          |                 |
| 6.6                                            | 18000              | 112200          | -                    | 213 |                    |                    |                    |                                |          |                 |
| 7.5                                            | 18000              | 112200          | -                    | 187 |                    |                    |                    |                                |          |                 |
| 8.9                                            | 18000              | 112200          | -                    | 157 |                    |                    |                    |                                |          |                 |
| 11                                             | 18000              | 106500          | -                    | 122 |                    |                    |                    |                                |          |                 |
| 13                                             | 18000              | 100700          | -                    | 107 |                    |                    |                    |                                |          |                 |

| <b>K167, <math>n_e = 1400</math> 1/min</b> |                    |                 |                      |        |        |                    |                                |                   |                    | <b>32000 Nm</b>    |
|--------------------------------------------|--------------------|-----------------|----------------------|--------|--------|--------------------|--------------------------------|-------------------|--------------------|--------------------|
| $n_a$<br>[1/min]                           | $M_{amax}$<br>[Nm] | $F_{Ra}$<br>[N] | $\varphi/(R)$<br>[°] | $i$    | DRS160 | DRS180M<br>DRS180L | DRS180HC<br>DRS225S<br>DRS225M | DRS225MC<br>DV280 | DRS315K<br>DRS315S | DRS315M<br>DRS315L |
| 8.5                                        | 32000              | 150000          | 4                    | 164.50 |        |                    |                                |                   |                    |                    |
| 10                                         | 32000              | 150000          | 5                    | 134.99 |        |                    |                                |                   |                    |                    |
| 13                                         | 32000              | 150000          | 5                    | 109.83 |        |                    |                                |                   |                    |                    |
| 16                                         | 32000              | 147200          | 5                    | 87.86  |        |                    |                                |                   |                    |                    |
| 18                                         | 32000              | 140100          | 5                    | 78.14  |        |                    |                                |                   |                    |                    |
| 21                                         | 32000              | 132000          | 5                    | 68.07  |        |                    |                                |                   |                    |                    |
| 23                                         | 32000              | 125600          | 5                    | 60.74  |        |                    |                                |                   |                    |                    |
| 27                                         | 32000              | 117000          | 5                    | 51.77  |        |                    |                                |                   |                    |                    |
| 33                                         | 32000              | 107400          | 5                    | 42.89  |        |                    |                                |                   |                    |                    |
| 38                                         | 32000              | 99700           | 5                    | 36.61  |        |                    |                                |                   |                    |                    |
| 43                                         | 32000              | 93700           | 5                    | 32.25  |        |                    |                                |                   |                    |                    |
| 49                                         | 32000              | 88600           | 5                    | 28.77  |        |                    |                                |                   |                    |                    |
| 57                                         | 32000              | 81700           | 5                    | 24.52  |        |                    |                                |                   |                    |                    |
| 69                                         | 32000              | 74000           | 5                    | 20.32  |        |                    |                                |                   |                    |                    |
| 81                                         | 32000              | 67900           | 5                    | 17.34  |        |                    |                                |                   |                    |                    |

| K167R97, n <sub>e</sub> = 1400 1/min |                           |                        |                            |       |        |       |        |                   |          | 32000 Nm           |                    |                    |                                |
|--------------------------------------|---------------------------|------------------------|----------------------------|-------|--------|-------|--------|-------------------|----------|--------------------|--------------------|--------------------|--------------------------------|
| n <sub>a</sub><br>[1/min]            | M <sub>amax</sub><br>[Nm] | F <sub>Ra</sub><br>[N] | φ <sub>(/R)</sub><br>[ ' ] | i     | DRS71M | DRS80 | DRS90M | DRS90L<br>DRS100M | DRS100LC | DRS132S<br>DRS132M | DRS132MC<br>DRS160 | DRS180M<br>DRS180L | DRS180HC<br>DRS225S<br>DRS225M |
| 3 3                                  |                           |                        |                            |       |        |       |        |                   |          |                    |                    |                    |                                |
| 0.07                                 | 32000                     | 150000                 | -                          | 19723 |        |       |        |                   |          |                    |                    |                    |                                |
| 0.08                                 | 32000                     | 150000                 | -                          | 17406 |        |       |        |                   |          |                    |                    |                    |                                |
| 0.09                                 | 32000                     | 150000                 | -                          | 15000 |        |       |        |                   |          |                    |                    |                    |                                |
| 0.11                                 | 32000                     | 150000                 | -                          | 13238 |        |       |        |                   |          |                    |                    |                    |                                |
| 0.12                                 | 32000                     | 150000                 | -                          | 11573 |        |       |        |                   |          |                    |                    |                    |                                |
| 0.14                                 | 32000                     | 150000                 | -                          | 10264 |        |       |        |                   |          |                    |                    |                    |                                |
| 0.16                                 | 32000                     | 150000                 | -                          | 8628  |        |       |        |                   |          |                    |                    |                    |                                |
| 0.21                                 | 32000                     | 150000                 | -                          | 6562  |        |       |        |                   |          |                    |                    |                    |                                |
| 0.26                                 | 32000                     | 150000                 | -                          | 5355  |        |       |        |                   |          |                    |                    |                    |                                |
| 0.29                                 | 32000                     | 150000                 | -                          | 4788  |        |       |        |                   |          |                    |                    |                    |                                |
| 0.34                                 | 32000                     | 150000                 | -                          | 4079  |        |       |        |                   |          |                    |                    |                    |                                |
| 0.41                                 | 32000                     | 150000                 | -                          | 3376  |        |       |        |                   |          |                    |                    |                    |                                |
| 0.51                                 | 32000                     | 150000                 | -                          | 2755  |        |       |        |                   |          |                    |                    |                    |                                |
| 0.62                                 | 32000                     | 150000                 | -                          | 2263  |        |       |        |                   |          |                    |                    |                    |                                |
| 3 2                                  |                           |                        |                            |       |        |       |        |                   |          |                    |                    |                    |                                |
| 0.64                                 | 32000                     | 150000                 | -                          | 2182  |        |       |        |                   |          |                    |                    |                    |                                |
| 0.82                                 | 32000                     | 150000                 | -                          | 1704  |        |       |        |                   |          |                    |                    |                    |                                |
| 0.99                                 | 32000                     | 150000                 | -                          | 1408  |        |       |        |                   |          |                    |                    |                    |                                |
| 1.1                                  | 32000                     | 150000                 | -                          | 1296  |        |       |        |                   |          |                    |                    |                    |                                |
| 1.3                                  | 32000                     | 150000                 | -                          | 1101  |        |       |        |                   |          |                    |                    |                    |                                |



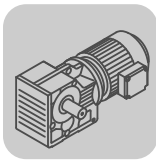


| K167R97, n <sub>e</sub> = 1400 1/min |                           |                        |                |     |        |       |        |                   |          |                    |                    |                    | 32000 Nm                       |  |
|--------------------------------------|---------------------------|------------------------|----------------|-----|--------|-------|--------|-------------------|----------|--------------------|--------------------|--------------------|--------------------------------|--|
| n <sub>a</sub><br>[1/min]            | M <sub>amax</sub><br>[Nm] | F <sub>Ra</sub><br>[N] | φ(/R)<br>[ ' ] | i   | DRS71M | DRS80 | DRS90M | DRS90L<br>DRS100M | DRS100LC | DRS132S<br>DRS132M | DRS132MC<br>DRS160 | DRS180M<br>DRS180L | DRS180HC<br>DRS225S<br>DRS225M |  |
| 1.5                                  | 32000                     | 150000                 | -              | 944 |        |       |        |                   |          |                    |                    |                    |                                |  |
| 1.7                                  | 32000                     | 150000                 | -              | 843 |        |       |        |                   |          |                    |                    |                    |                                |  |
| 1.8                                  | 32000                     | 150000                 | -              | 757 |        |       |        |                   |          |                    |                    |                    |                                |  |
| 2.2                                  | 32000                     | 150000                 | -              | 632 |        |       |        |                   |          |                    |                    |                    |                                |  |
| 2.5                                  | 32000                     | 150000                 | -              | 561 |        |       |        |                   |          |                    |                    |                    |                                |  |
| 2.9                                  | 32000                     | 150000                 | -              | 481 |        |       |        |                   |          |                    |                    |                    |                                |  |
| 3.3                                  | 32000                     | 150000                 | -              | 423 |        |       |        |                   |          |                    |                    |                    |                                |  |
| 3.8                                  | 32000                     | 150000                 | -              | 369 |        |       |        |                   |          |                    |                    |                    |                                |  |

| K167R107, n <sub>e</sub> = 1400 1/min                                                                                                                                   |                           |                        |               |     |                   |          |                    |                    |                    |                                | 32000 Nm |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|------------------------|---------------|-----|-------------------|----------|--------------------|--------------------|--------------------|--------------------------------|----------|--|
| n <sub>a</sub><br>[1/min]                                                                                                                                               | M <sub>amax</sub><br>[Nm] | F <sub>Ra</sub><br>[N] | φ(R)<br>[ ' ] | i   | DRS90L<br>DRS100M | DRS100LC | DRS132S<br>DRS132M | DRS132MC<br>DRS160 | DRS180M<br>DRS180L | DRS180HC<br>DRS225S<br>DRS225M | DRS225MC |  |
|  3  2 |                           |                        |               |     |                   |          |                    |                    |                    |                                |          |  |
| 4.4                                                                                                                                                                     | 32000                     | 150000                 | -             | 318 |                   |          |                    |                    |                    |                                |          |  |
| 5.0                                                                                                                                                                     | 32000                     | 150000                 | -             | 278 |                   |          |                    |                    |                    |                                |          |  |
| 5.7                                                                                                                                                                     | 32000                     | 150000                 | -             | 244 |                   |          |                    |                    |                    |                                |          |  |
| 6.6                                                                                                                                                                     | 32000                     | 150000                 | -             | 213 |                   |          |                    |                    |                    |                                |          |  |
| 6.8                                                                                                                                                                     | 32000                     | 150000                 | -             | 206 |                   |          |                    |                    |                    |                                |          |  |
| 7.8                                                                                                                                                                     | 32000                     | 150000                 | -             | 180 |                   |          |                    |                    |                    |                                |          |  |
| 8.8                                                                                                                                                                     | 32000                     | 150000                 | -             | 160 |                   |          |                    |                    |                    |                                |          |  |
| 10                                                                                                                                                                      | 32000                     | 150000                 | -             | 135 |                   |          |                    |                    |                    |                                |          |  |
| 12                                                                                                                                                                      | 32000                     | 150000                 | -             | 118 |                   |          |                    |                    |                    |                                |          |  |

| K187, n <sub>e</sub> = 1400 1/min |                           |                        |                |        |        |                    |                                |                   |                    | 50000 Nm           |
|-----------------------------------|---------------------------|------------------------|----------------|--------|--------|--------------------|--------------------------------|-------------------|--------------------|--------------------|
| n <sub>a</sub><br>[1/min]         | M <sub>amax</sub><br>[Nm] | F <sub>Ra</sub><br>[N] | φ/(R)<br>[ ' ] | i      | DRS160 | DRS180M<br>DRS180L | DRS180HC<br>DRS225S<br>DRS225M | DRS225MC<br>DV280 | DRS315K<br>DRS315S | DRS315M<br>DRS315L |
| 7.8                               | 50000                     | 190000                 | 4              | 179.86 |        |                    |                                |                   |                    |                    |
| 8.5                               | 50000                     | 190000                 | 4              | 165.21 |        |                    |                                |                   |                    |                    |
| 9.7                               | 50000                     | 190000                 | 4              | 144.59 |        |                    |                                |                   |                    |                    |
| 11                                | 50000                     | 188200                 | 4              | 129.69 |        |                    |                                |                   |                    |                    |
| 12                                | 50000                     | 177200                 | 4              | 112.60 |        |                    |                                |                   |                    |                    |
| 14                                | 50000                     | 169900                 | 4              | 102.16 |        |                    |                                |                   |                    |                    |
| 16                                | 50000                     | 159000                 | 4              | 88.00  |        |                    |                                |                   |                    |                    |
| 19                                | 50000                     | 147000                 | 4              | 73.96  |        |                    |                                |                   |                    |                    |
| 22                                | 50000                     | 137600                 | 4              | 64.04  |        |                    |                                |                   |                    |                    |
| 26                                | 50000                     | 126100                 | 4              | 53.36  |        |                    |                                |                   |                    |                    |
| 31                                | 50000                     | 116600                 | 4              | 45.50* |        |                    |                                |                   |                    |                    |
| 33                                | 50000                     | 112700                 | 4              | 42.51  |        |                    |                                |                   |                    |                    |
| 36                                | 50000                     | 107200                 | 4              | 38.57  |        |                    |                                |                   |                    |                    |
| 42                                | 50000                     | 99100                  | 4              | 33.23  |        |                    |                                |                   |                    |                    |
| 50                                | 50000                     | 90200                  | 4              | 27.92  |        |                    |                                |                   |                    |                    |
| 58                                | 47600                     | 86800                  | 4              | 24.18  |        |                    |                                |                   |                    |                    |
| 69                                | 43900                     | 84000                  | 4              | 20.15  |        |                    |                                |                   |                    |                    |
| 81                                | 41400                     | 80800                  | 4              | 17.18  |        |                    |                                |                   |                    |                    |

| K187R97, n <sub>e</sub> = 1400 1/min                                                                                                                                        |                           |                        |                |       |        |       |        |                   |          |                    |                    | 50000 Nm           |                                |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|------------------------|----------------|-------|--------|-------|--------|-------------------|----------|--------------------|--------------------|--------------------|--------------------------------|
| n <sub>a</sub><br>[1/min]                                                                                                                                                   | M <sub>amax</sub><br>[Nm] | F <sub>Ra</sub><br>[N] | φ(/R)<br>[ ' ] | i     | DRS71M | DRS80 | DRS90M | DRS90L<br>DRS100M | DRS100LC | DRS132S<br>DRS132M | DRS132MC<br>DRS160 | DRS180M<br>DRS180L | DRS180HC<br>DRS225S<br>DRS225M |
|  3  3 |                           |                        |                |       |        |       |        |                   |          |                    |                    |                    |                                |
| 0.04                                                                                                                                                                        | 50000                     | 189900                 | -              | 32625 |        |       |        |                   |          |                    |                    |                    |                                |
| 0.05                                                                                                                                                                        | 50000                     | 189900                 | -              | 27165 |        |       |        |                   |          |                    |                    |                    |                                |
| 0.06                                                                                                                                                                        | 50000                     | 189900                 | -              | 24353 |        |       |        |                   |          |                    |                    |                    |                                |
| 0.07                                                                                                                                                                        | 50000                     | 189900                 | -              | 19144 |        |       |        |                   |          |                    |                    |                    |                                |
| 0.08                                                                                                                                                                        | 50000                     | 189900                 | -              | 16978 |        |       |        |                   |          |                    |                    |                    |                                |
| 0.10                                                                                                                                                                        | 50000                     | 189900                 | -              | 14272 |        |       |        |                   |          |                    |                    |                    |                                |



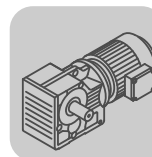
| <b>K187R97, <math>n_e = 1400</math> 1/min</b> |                    |                 |                        |       |        |       |        |                   |          | <b>50000 Nm</b>    |                    |                    |                                |
|-----------------------------------------------|--------------------|-----------------|------------------------|-------|--------|-------|--------|-------------------|----------|--------------------|--------------------|--------------------|--------------------------------|
| $n_a$<br>[1/min]                              | $M_{amax}$<br>[Nm] | $F_{Ra}$<br>[N] | $\varphi/(R)$<br>[ ' ] | $i$   | DRS71M | DRS80 | DRS90M | DRS90L<br>DRS100M | DRS100LC | DRS132S<br>DRS132M | DRS132MC<br>DRS160 | DRS180M<br>DRS180L | DRS180HC<br>DRS225S<br>DRS225M |
| 0.11                                          | 50000              | 189900          | -                      | 13116 |        |       |        |                   |          |                    |                    |                    |                                |
| 0.12                                          | 50000              | 189900          | -                      | 11647 |        |       |        |                   |          |                    |                    |                    |                                |
| 0.13                                          | 50000              | 189900          | -                      | 10413 |        |       |        |                   |          |                    |                    |                    |                                |
| 0.15                                          | 50000              | 189900          | -                      | 9363  |        |       |        |                   |          |                    |                    |                    |                                |
| 0.17                                          | 50000              | 189900          | -                      | 8126  |        |       |        |                   |          |                    |                    |                    |                                |
| 0.19                                          | 50000              | 189900          | -                      | 7343  |        |       |        |                   |          |                    |                    |                    |                                |
| 0.21                                          | 50000              | 189900          | -                      | 6747  |        |       |        |                   |          |                    |                    |                    |                                |
| 0.23                                          | 50000              | 189900          | -                      | 5991  |        |       |        |                   |          |                    |                    |                    |                                |
| 0.26                                          | 50000              | 189900          | -                      | 5358  |        |       |        |                   |          |                    |                    |                    |                                |
| 0.29                                          | 50000              | 189900          | -                      | 4817  |        |       |        |                   |          |                    |                    |                    |                                |
| 0.32                                          | 50000              | 189900          | -                      | 4370  |        |       |        |                   |          |                    |                    |                    |                                |
| 0.50                                          | 50000              | 189900          | -                      | 2818  |        |       |        |                   |          |                    |                    |                    |                                |
| 3  2                                          |                    |                 |                        |       |        |       |        |                   |          |                    |                    |                    |                                |
| 0.39                                          | 50000              | 189900          | -                      | 3609  |        |       |        |                   |          |                    |                    |                    |                                |
| 0.46                                          | 50000              | 189900          | -                      | 3062  |        |       |        |                   |          |                    |                    |                    |                                |
| 0.56                                          | 50000              | 189900          | -                      | 2519  |        |       |        |                   |          |                    |                    |                    |                                |
| 0.62                                          | 50000              | 189900          | -                      | 2268  |        |       |        |                   |          |                    |                    |                    |                                |
| 0.68                                          | 50000              | 189900          | -                      | 2054  |        |       |        |                   |          |                    |                    |                    |                                |
| 0.77                                          | 50000              | 189900          | -                      | 1821  |        |       |        |                   |          |                    |                    |                    |                                |
| 0.87                                          | 50000              | 189900          | -                      | 1605  |        |       |        |                   |          |                    |                    |                    |                                |
| 1.0                                           | 50000              | 189900          | -                      | 1395  |        |       |        |                   |          |                    |                    |                    |                                |
| 1.2                                           | 50000              | 189900          | -                      | 1196  |        |       |        |                   |          |                    |                    |                    |                                |
| 1.3                                           | 50000              | 189900          | -                      | 1046  |        |       |        |                   |          |                    |                    |                    |                                |
| 1.5                                           | 50000              | 189900          | -                      | 945   |        |       |        |                   |          |                    |                    |                    |                                |
| 1.9                                           | 50000              | 189900          | -                      | 738   |        |       |        |                   |          |                    |                    |                    |                                |
| 2.3                                           | 50000              | 189900          | -                      | 621   |        |       |        |                   |          |                    |                    |                    |                                |
| 2.7                                           | 50000              | 189900          | -                      | 527   |        |       |        |                   |          |                    |                    |                    |                                |

| <b>K187R107, <math>n_e = 1400</math> 1/min</b> |                    |                 |                        |     |                   |          |                    |                    |                    | <b>50000 Nm</b>                |          |  |  |
|------------------------------------------------|--------------------|-----------------|------------------------|-----|-------------------|----------|--------------------|--------------------|--------------------|--------------------------------|----------|--|--|
| $n_a$<br>[1/min]                               | $M_{amax}$<br>[Nm] | $F_{Ra}$<br>[N] | $\varphi/(R)$<br>[ ' ] | $i$ | DRS90L<br>DRS100M | DRS100LC | DRS132S<br>DRS132M | DRS132MC<br>DRS160 | DRS180M<br>DRS180L | DRS180HC<br>DRS225S<br>DRS225M | DRS225MC |  |  |
| 3  2                                           |                    |                 |                        |     |                   |          |                    |                    |                    |                                |          |  |  |
| 1.7                                            | 50000              | 189900          | -                      | 835 |                   |          |                    |                    |                    |                                |          |  |  |
| 1.9                                            | 50000              | 189900          | -                      | 729 |                   |          |                    |                    |                    |                                |          |  |  |
| 2.3                                            | 50000              | 189900          | -                      | 622 |                   |          |                    |                    |                    |                                |          |  |  |
| 2.7                                            | 50000              | 189900          | -                      | 520 |                   |          |                    |                    |                    |                                |          |  |  |
| 3.1                                            | 50000              | 189900          | -                      | 454 |                   |          |                    |                    |                    |                                |          |  |  |
| 3.9                                            | 50000              | 189900          | -                      | 355 |                   |          |                    |                    |                    |                                |          |  |  |
| 5.4                                            | 50000              | 189900          | -                      | 261 |                   |          |                    |                    |                    |                                |          |  |  |
| 6.3                                            | 50000              | 189900          | -                      | 221 |                   |          |                    |                    |                    |                                |          |  |  |
| 7.3                                            | 50000              | 189900          | -                      | 193 |                   |          |                    |                    |                    |                                |          |  |  |
| 8.6                                            | 50000              | 189900          | -                      | 163 |                   |          |                    |                    |                    |                                |          |  |  |



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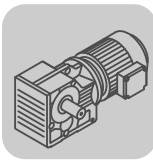


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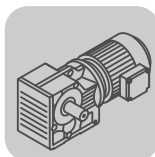
### 11.3 K..DRS [kW]

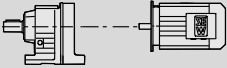
| $P_m$<br>[kW] | $n_a$<br>[1/min] | $M_a$<br>[Nm] | $i$   | $F_{Ra}^{1)}$<br>[N] | SEW $f_B$ |     |        |    |      | $m$<br>[kg] |     |
|---------------|------------------|---------------|-------|----------------------|-----------|-----|--------|----|------|-------------|-----|
| 0.12          | 0.08             | 10800         | 17550 | 80300                | 1.20      |     |        |    |      |             |     |
|               | 0.09             | 9890          | 16006 | 80700                | 1.30      |     |        |    |      |             |     |
|               | 0.09             | 9260          | 14975 | 81000                | 1.40      | K   | 127R77 | DR | 63S4 | 470         | 523 |
|               | 0.11             | 7690          | 12440 | 81600                | 1.70      | KF  | 127R77 | DR | 63S4 | 510         | 523 |
|               | 0.13             | 6750          | 10915 | 81900                | 1.95      | KA  | 127R77 | DR | 63S4 | 440         | 523 |
|               | 0.14             | 6070          | 9819  | 82000                | 2.1       | KAF | 127R77 | DR | 63S4 | 480         | 523 |
|               | 0.16             | 5180          | 8443  | 82300                | 2.5       |     |        |    |      |             |     |
|               | 0.18             | 4620          | 7482  | 82400                | 2.8       |     |        |    |      |             |     |
|               | 0.10             | 8850          | 14311 | 65000                | 0.90      |     |        |    |      |             |     |
|               | 0.11             | 7550          | 12211 | 65000                | 1.05      |     |        |    |      |             |     |
|               | 0.13             | 6600          | 10677 | 65000                | 1.20      |     |        |    |      |             |     |
|               | 0.14             | 5890          | 9524  | 65000                | 1.35      | K   | 107R77 | DR | 63S4 | 310         | 523 |
|               | 0.17             | 5150          | 8328  | 65000                | 1.55      | KF  | 107R77 | DR | 63S4 | 320         | 523 |
|               | 0.19             | 4490          | 7270  | 65000                | 1.80      | KA  | 107R77 | DR | 63S4 | 280         | 523 |
|               | 0.22             | 3700          | 6184  | 65000                | 2.2       | KAF | 107R77 | DR | 63S4 | 305         | 523 |
|               | 0.24             | 3210          | 5662  | 65000                | 2.5       |     |        |    |      |             |     |
|               | 0.27             | 2910          | 5138  | 65000                | 2.7       |     |        |    |      |             |     |
|               | 0.32             | 2670          | 4359  | 65000                | 3.0       |     |        |    |      |             |     |
| 0.17          | 0.17             | 5460          | 8054  | 39400                | 0.80      |     |        |    |      |             |     |
|               | 0.20             | 4420          | 6970  | 40000                | 0.95      |     |        |    |      |             |     |
|               | 0.23             | 4000          | 6027  | 40000                | 1.05      | K   | 97R57  | DR | 63S4 | 180         | 523 |
|               | 0.26             | 3650          | 5391  | 40000                | 1.20      | KF  | 97R57  | DR | 63S4 | 200         | 523 |
|               | 0.30             | 3020          | 4669  | 40000                | 1.40      | KA  | 97R57  | DR | 63S4 | 160         | 523 |
|               | 0.34             | 2730          | 4082  | 40000                | 1.55      | KAF | 97R57  | DR | 63S4 | 185         | 523 |
|               | 0.39             | 2370          | 3583  | 40000                | 1.80      |     |        |    |      |             |     |
|               | 0.44             | 2090          | 3108  | 40000                | 2.0       |     |        |    |      |             |     |
|               | 0.50             | 1770          | 2757  | 40000                | 2.4       |     |        |    |      |             |     |
|               | 0.57             | 1650          | 2419  | 40000                | 2.6       |     |        |    |      |             |     |
| 0.65          | 0.65             | 1420          | 2123  | 40000                | 3.0       | K   | 97R57  | DR | 63S4 | 180         | 523 |
|               | 0.74             | 1270          | 1856  | 40000                | 3.4       | KF  | 97R57  | DR | 63S4 | 200         | 523 |
|               | 0.85             | 1040          | 1625  | 40000                | 4.1       | KA  | 97R57  | DR | 63S4 | 160         | 523 |
|               | 0.96             | 890           | 1430  | 40000                | 4.8       | KAF | 97R57  | DR | 63S4 | 185         | 523 |
|               | 1.1              | 860           | 1261  | 40000                | 5.0       |     |        |    |      |             |     |
|               | 1.2              | 755           | 1102  | 40000                | 5.7       |     |        |    |      |             |     |
|               | 0.26             | 3470          | 5240  | 26200                | 0.80      |     |        |    |      |             |     |
| 0.30          | 0.30             | 2890          | 4562  | 27000                | 0.95      | K   | 87R57  | DR | 63S4 | 120         | 523 |
|               | 0.34             | 2680          | 4037  | 27300                | 1.00      | KF  | 87R57  | DR | 63S4 | 130         | 523 |
|               | 0.38             | 2390          | 3609  | 27600                | 1.15      | KA  | 87R57  | DR | 63S4 | 105         | 523 |
|               | 0.44             | 2060          | 3107  | 28000                | 1.30      | KAF | 87R57  | DR | 63S4 | 120         | 523 |
|               | 0.51             | 1730          | 2728  | 28300                | 1.55      |     |        |    |      |             |     |
|               | 0.58             | 1530          | 2371  | 28400                | 1.75      |     |        |    |      |             |     |
|               | 0.66             | 1430          | 2088  | 28500                | 1.90      |     |        |    |      |             |     |
| 0.74          | 0.74             | 1270          | 1854  | 28600                | 2.1       |     |        |    |      |             |     |
|               | 0.83             | 1130          | 1657  | 28700                | 2.4       | K   | 87R57  | DR | 63S4 | 120         | 523 |
|               | 0.97             | 960           | 1415  | 28800                | 2.8       | KF  | 87R57  | DR | 63S4 | 125         | 523 |
|               | 1.1              | 830           | 1229  | 28900                | 3.2       | KA  | 87R57  | DR | 63S4 | 105         | 523 |
|               | 1.3              | 720           | 1078  | 28900                | 3.7       | KAF | 87R57  | DR | 63S4 | 120         | 523 |
|               | 1.4              | 610           | 951   | 29000                | 4.4       |     |        |    |      |             |     |
|               | 1.6              | 520           | 837   | 29000                | 5.2       |     |        |    |      |             |     |
| 1.9           | 1.9              | 450           | 726   | 29000                | 5.9       |     |        |    |      |             |     |
|               | 0.51             | 1840          | 2717  | 11500                | 0.85      | K   | 77R37  | DR | 63S4 | 69          | 523 |
|               | 0.58             | 1530          | 2370  | 15500                | 1.00      | KF  | 77R37  | DR | 63S4 | 78          | 523 |
|               |                  |               |       |                      |           | KA  | 77R37  | DR | 63S4 | 62          | 523 |
| 0.67          | 0.67             | 1430          | 2050  | 16100                | 1.10      | KAF | 77R37  | DR | 63S4 | 70          | 523 |
|               | 0.78             | 1220          | 1772  | 17300                | 1.25      |     |        |    |      |             |     |
|               | 0.91             | 1040          | 1514  | 18100                | 1.50      |     |        |    |      |             |     |
|               | 0.99             | 960           | 1388  | 18500                | 1.60      | K   | 77R37  | DR | 63S4 | 69          | 523 |
|               | 1.1              | 840           | 1218  | 18900                | 1.85      | KF  | 77R37  | DR | 63S4 | 77          | 523 |
|               | 1.3              | 735           | 1053  | 19200                | 2.1       | KA  | 77R37  | DR | 63S4 | 62          | 523 |
|               | 1.5              | 645           | 924   | 19400                | 2.4       | KAF | 77R37  | DR | 63S4 | 70          | 523 |
|               | 1.7              | 570           | 815   | 19600                | 2.7       |     |        |    |      |             |     |
|               | 2.0              | 445           | 709   | 19800                | 3.5       |     |        |    |      |             |     |
|               | 2.2              | 390           | 622   | 19900                | 3.9       |     |        |    |      |             |     |

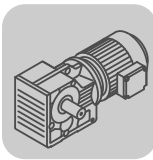
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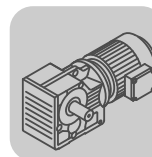
| $P_m$<br>[kW] | $n_a$<br>[1/min] | $M_a$<br>[Nm] | $i$     | $F_{Ra}^{1)}$<br>[N] | SEW $f_B$ |            |              |           |             | $m$<br>[kg] |     |
|---------------|------------------|---------------|---------|----------------------|-----------|------------|--------------|-----------|-------------|-------------|-----|
| <b>0.12</b>   | 1.0              | 960           | 1351    | 6940                 | 0.85      | <b>K</b>   | <b>67R37</b> | <b>DR</b> | <b>63S4</b> | 45          | 523 |
|               | 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       |            |              |           |             |             |     |
|               | 2.6              | 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       | <b>KF</b>  | <b>67R37</b> | <b>DR</b> | <b>63S4</b> | 51          | 523 |
|               | 4.3              | 215           | 323     | 13000                | 3.8       |            |              |           |             |             |     |
|               | 5.0              | 181           | 279     | 13000                | 4.5       |            |              |           |             |             |     |
|               | 5.6              | 159           | 246     | 13000                | 5.2       |            |              |           |             |             |     |
|               | 6.4              | 139           | 217     | 13000                | 5.9       |            |              |           |             |             |     |
|               | 1.5              | 605           | 906     | 7580                 | 1.00      |            |              |           |             |             |     |
|               | 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      | <b>KA</b>  | <b>57R37</b> | <b>DR</b> | <b>63S4</b> | 39          | 523 |
|               | 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              | 160           | 246     | 9760                 | 3.8       |            |              |           |             |             |     |
|               | 6.4              | 141           | 215     | 9810                 | 4.3       |            |              |           |             |             |     |
|               | 7.2              | 126           | 192     | 9850                 | 4.8       |            |              |           |             |             |     |
|               | 2.5              | 380           | 552     | 6170                 | 1.05      |            |              |           |             |             |     |
|               | 2.8              | 320           | 495     | 6840                 | 1.25      |            |              |           |             |             |     |
|               | 3.2              | 285           | 426     | 7160                 | 1.40      | <b>KAF</b> | <b>47R37</b> | <b>DR</b> | <b>63S4</b> | 33          | 523 |
|               | 3.7              | 240           | 375     | 7510                 | 1.65      |            |              |           |             |             |     |
|               | 4.2              | 225           | 327     | 7620                 | 1.75      |            |              |           |             |             |     |
|               | 4.8              | 198           | 289     | 7780                 | 2.0       |            |              |           |             |             |     |
|               | 4.0              | 240           | 346     | 3540                 | 0.80      |            |              |           |             |             |     |
|               | 4.5              | 205           | 304     | 5570                 | 0.95      |            |              |           |             |             |     |
|               | 5.2              | 189           | 267     | 5760                 | 1.05      |            |              |           |             |             |     |
|               | 5.9              | 163           | 234     | 6010                 | 1.20      |            |              |           |             |             |     |
|               | 6.7              | 142           | 205     | 6180                 | 1.40      |            |              |           |             |             |     |
|               | 7.6              | 124           | 181     | 6300                 | 1.60      |            |              |           |             |             |     |
|               | 8.6              | 109           | 160     | 6400                 | 1.85      | <b>KAF</b> | <b>37R17</b> | <b>DR</b> | <b>63S4</b> | 19          | 523 |
|               | 10               | 91            | 136     | 6490                 | 2.2       |            |              |           |             |             |     |
|               | 6.2              | 184           | 144.79* | 13000                | 4.4       |            |              |           |             |             |     |
|               | 6.2              | 185           | 145.14* | 9680                 | 3.2       |            |              |           |             |             |     |
|               | 7.3              | 158           | 123.85  | 9760                 | 3.8       |            |              |           |             |             |     |
|               | 8.3              | 138           | 108.29  | 9820                 | 4.4       |            |              |           |             |             |     |
|               | 8.8              | 131           | 102.88* | 9840                 | 4.6       |            |              |           |             |             |     |
|               | 10.0             | 115           | 90.26*  | 9880                 | 5.2       |            |              |           |             |             |     |
|               | 12               | 98            | 76.56*  | 9930                 | 6.2       |            |              |           |             |             |     |
|               | 9.5              | 120           | 145.14* | 9870                 | 5.0       |            |              |           |             |             |     |
|               | 11               | 103           | 123.85  | 9920                 | 5.8       | <b>K</b>   | <b>57</b>    | <b>DR</b> | <b>63S4</b> | 28          | 479 |
|               | 13               | 90            | 108.29  | 9950                 | 6.7       |            |              |           |             |             |     |
|               | 13               | 85            | 102.88* | 9960                 | 7.0       |            |              |           |             |             |     |
|               | 15               | 75            | 90.26*  | 9990                 | 8.0       |            |              |           |             |             |     |
|               | 6.8              | 168           | 131.87* | 7930                 | 2.4       |            |              |           |             |             |     |
|               | 7.4              | 155           | 121.48* | 7990                 | 2.6       |            |              |           |             |             |     |
|               | 8.6              | 133           | 104.37  | 8070                 | 3.0       |            |              |           |             |             |     |
|               | 10               | 110           | 131.87* | 8140                 | 3.6       |            |              |           |             |             |     |
|               | 11               | 101           | 121.48* | 8170                 | 4.0       |            |              |           |             |             |     |
|               | 8.5              | 136           | 106.38  | 6230                 | 1.50      |            |              |           |             |             |     |
|               | 9.2              | 124           | 97.81   | 6300                 | 1.60      | <b>KF</b>  | <b>37</b>    | <b>DR</b> | <b>63M6</b> | 16          | 469 |
|               | 11               | 107           | 83.69   | 6410                 | 1.90      |            |              |           |             |             |     |
|               | 12               | 92            | 72.54   | 6480                 | 2.2       |            |              |           |             |             |     |
|               | 12               | 92            | 72.54   | 6480                 | 2.2       |            |              |           |             |             |     |



| $P_m$<br>[kW] | $n_a$<br>[1/min] | $M_a$<br>[Nm] | $i$    | $F_{Ra}^{1)}$<br>[N] | SEW $f_B$ |  |        |    |      | $m$<br>[kg] |  |
|---------------|------------------|---------------|--------|----------------------|-----------|------------------------------------------------------------------------------------|--------|----|------|-------------|-------------------------------------------------------------------------------------|
| 0.12          | 13               | 88            | 106.38 | 6500                 | 2.3       |                                                                                    |        |    |      |             |                                                                                     |
|               | 14               | 81            | 97.81  | 6530                 | 2.5       |                                                                                    |        |    |      |             |                                                                                     |
|               | 16               | 70            | 83.69  | 6570                 | 2.9       |                                                                                    |        |    |      |             |                                                                                     |
|               | 19               | 60            | 72.54  | 6600                 | 3.3       |                                                                                    |        |    |      |             |                                                                                     |
|               | 20               | 56            | 67.80  | 6610                 | 3.6       |                                                                                    |        |    |      |             |                                                                                     |
|               | 24               | 49            | 58.60  | 6430                 | 4.1       |                                                                                    |        |    |      |             |                                                                                     |
|               | 28               | 41            | 49.79  | 6130                 | 4.8       |                                                                                    |        |    |      |             |                                                                                     |
|               | 31               | 37            | 44.46  | 5930                 | 5.4       |                                                                                    |        |    |      |             |                                                                                     |
|               | 36               | 32            | 37.97  | 5660                 | 6.4       | K                                                                                  | 37     | DR | 63S4 | 16          | 469                                                                                 |
|               | 39               | 30            | 35.57  | 5550                 | 6.8       | KF                                                                                 | 37     | DR | 63S4 | 18          | 470                                                                                 |
|               | 46               | 25            | 29.96  | 5270                 | 8.0       | KA                                                                                 | 37     | DR | 63S4 | 16          | 471                                                                                 |
|               | 48               | 24            | 28.83  | 5200                 | 8.4       | KAF                                                                                | 37     | DR | 63S4 | 18          | 470                                                                                 |
|               | 55               | 21            | 24.99  | 4980                 | 9.6       |                                                                                    |        |    |      |             |                                                                                     |
|               | 59               | 19            | 23.36  | 4880                 | 10        |                                                                                    |        |    |      |             |                                                                                     |
|               | 68               | 17            | 20.19  | 4660                 | 11        |                                                                                    |        |    |      |             |                                                                                     |
|               | 80               | 14            | 17.15  | 4430                 | 13        |                                                                                    |        |    |      |             |                                                                                     |
|               | 90               | 13            | 15.31  | 4280                 | 14        |                                                                                    |        |    |      |             |                                                                                     |
|               | 105              | 11            | 13.08  | 4070                 | 15        |                                                                                    |        |    |      |             |                                                                                     |
|               | 114              | 10            | 12.14  | 3970                 | 16        |                                                                                    |        |    |      |             |                                                                                     |
| 0.18          | 0.09             | 15700         | 14975  | 74400                | 0.80      |                                                                                    |        |    |      |             |                                                                                     |
|               | 0.11             | 13100         | 12440  | 79100                | 1.00      |                                                                                    |        |    |      |             |                                                                                     |
|               | 0.12             | 11500         | 10915  | 80000                | 1.15      |                                                                                    |        |    |      |             |                                                                                     |
|               | 0.13             | 10300         | 9819   | 80500                | 1.25      |                                                                                    |        |    |      |             |                                                                                     |
|               | 0.16             | 8870          | 8443   | 81100                | 1.45      | K                                                                                  | 127R77 | DR | 63M4 | 470         | 523                                                                                 |
|               | 0.18             | 7880          | 7482   | 81500                | 1.65      | KF                                                                                 | 127R77 | DR | 63M4 | 510         | 523                                                                                 |
|               | 0.20             | 6910          | 6565   | 81800                | 1.90      | KA                                                                                 | 127R77 | DR | 63M4 | 440         | 523                                                                                 |
|               | 0.23             | 5880          | 5804   | 82100                | 2.2       | KAF                                                                                | 127R77 | DR | 63M4 | 480         | 523                                                                                 |
|               | 0.26             | 5210          | 5027   | 82300                | 2.5       |                                                                                    |        |    |      |             |                                                                                     |
|               | 0.30             | 4480          | 4423   | 82400                | 2.9       |                                                                                    |        |    |      |             |                                                                                     |
|               | 0.34             | 3900          | 3889   | 82500                | 3.3       |                                                                                    |        |    |      |             |                                                                                     |
|               | 0.40             | 3240          | 3311   | 82600                | 4.0       |                                                                                    |        |    |      |             |                                                                                     |
|               | 0.16             | 8770          | 8328   | 65000                | 0.90      |                                                                                    |        |    |      |             |                                                                                     |
|               | 0.18             | 7660          | 7270   | 65000                | 1.05      |                                                                                    |        |    |      |             |                                                                                     |
|               | 0.21             | 6410          | 6184   | 65000                | 1.25      |                                                                                    |        |    |      |             |                                                                                     |
|               | 0.23             | 5690          | 5662   | 65000                | 1.40      | K                                                                                  | 107R77 | DR | 63M4 | 310         | 523                                                                                 |
|               | 0.26             | 5160          | 5138   | 65000                | 1.55      | KF                                                                                 | 107R77 | DR | 63M4 | 320         | 523                                                                                 |
|               | 0.30             | 4580          | 4359   | 65000                | 1.75      | KA                                                                                 | 107R77 | DR | 63M4 | 280         | 523                                                                                 |
|               | 0.35             | 4000          | 3810   | 65000                | 2.0       | KAF                                                                                | 107R77 | DR | 63M4 | 305         | 523                                                                                 |
|               | 0.39             | 3400          | 3358   | 65000                | 2.4       |                                                                                    |        |    |      |             |                                                                                     |
|               | 0.44             | 3080          | 2977   | 65000                | 2.6       |                                                                                    |        |    |      |             |                                                                                     |
|               | 0.51             | 2690          | 2599   | 65000                | 3.0       |                                                                                    |        |    |      |             |                                                                                     |
|               | 0.58             | 2310          | 2286   | 65000                | 3.4       |                                                                                    |        |    |      |             |                                                                                     |
|               | 0.28             | 5050          | 4669   | 39800                | 0.85      | K                                                                                  | 97R57  | DR | 63M4 | 180         | 523                                                                                 |
|               | 0.32             | 4530          | 4082   | 40000                | 0.95      | KF                                                                                 | 97R57  | DR | 63M4 | 200         | 523                                                                                 |
|               | 0.37             | 3940          | 3583   | 40000                | 1.10      | KA                                                                                 | 97R57  | DR | 63M4 | 160         | 523                                                                                 |
|               | 0.42             | 3450          | 3108   | 40000                | 1.25      | KAF                                                                                | 97R57  | DR | 63M4 | 185         | 523                                                                                 |
|               | 0.48             | 2980          | 2757   | 40000                | 1.45      |                                                                                    |        |    |      |             |                                                                                     |
|               | 0.55             | 2720          | 2419   | 40000                | 1.60      |                                                                                    |        |    |      |             |                                                                                     |
|               | 0.62             | 2360          | 2123   | 40000                | 1.80      |                                                                                    |        |    |      |             |                                                                                     |
|               | 0.71             | 2090          | 1856   | 40000                | 2.1       |                                                                                    |        |    |      |             |                                                                                     |
|               | 0.81             | 1760          | 1625   | 40000                | 2.4       | K                                                                                  | 97R57  | DR | 63M4 | 180         | 523                                                                                 |
|               | 0.92             | 1520          | 1430   | 40000                | 2.8       | KF                                                                                 | 97R57  | DR | 63M4 | 200         | 523                                                                                 |
|               | 1.0              | 1420          | 1261   | 40000                | 3.0       | KA                                                                                 | 97R57  | DR | 63M4 | 160         | 523                                                                                 |
|               | 1.2              | 1240          | 1102   | 40000                | 3.5       | KAF                                                                                | 97R57  | DR | 63M4 | 185         | 523                                                                                 |
|               | 1.4              | 1080          | 957    | 40000                | 4.0       |                                                                                    |        |    |      |             |                                                                                     |
|               | 1.5              | 970           | 855    | 40000                | 4.4       |                                                                                    |        |    |      |             |                                                                                     |
|               | 1.8              | 770           | 743    | 40000                | 5.6       |                                                                                    |        |    |      |             |                                                                                     |
|               | 2.0              | 690           | 652    | 40000                | 6.2       |                                                                                    |        |    |      |             |                                                                                     |
|               | 0.42             | 3430          | 3107   | 26200                | 0.80      | K                                                                                  | 87R57  | DR | 63M4 | 120         | 523                                                                                 |
|               | 0.48             | 2920          | 2728   | 27000                | 0.90      | KF                                                                                 | 87R57  | DR | 63M4 | 130         | 523                                                                                 |
|               | 0.56             | 2560          | 2371   | 27400                | 1.05      | KA                                                                                 | 87R57  | DR | 63M4 | 105         | 523                                                                                 |
|               |                  |               |        |                      |           | KAF                                                                                | 87R57  | DR | 63M4 | 120         | 523                                                                                 |

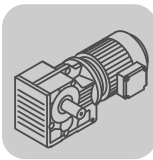


| $P_m$<br>[kW] | $n_a$<br>[1/min] | $M_a$<br>[Nm] | $i$     | $F_{Ra}^{1)}$<br>[N] | SEW $f_B$ |            |              |           |             | $m$<br>[kg] |     |
|---------------|------------------|---------------|---------|----------------------|-----------|------------|--------------|-----------|-------------|-------------|-----|
| <b>0.18</b>   | <b>0.63</b>      | 2350          | 2088    | 27700                | 1.15      | <b>K</b>   | <b>87R57</b> | <b>DR</b> | <b>63M4</b> | 120         | 523 |
|               | <b>0.71</b>      | 2080          | 1854    | 28000                | 1.30      |            |              |           |             |             |     |
|               | <b>0.80</b>      | 1860          | 1657    | 28200                | 1.45      |            |              |           |             |             |     |
|               | <b>0.93</b>      | 1590          | 1415    | 28400                | 1.70      |            |              |           |             |             |     |
|               | <b>1.1</b>       | 1380          | 1229    | 28600                | 1.95      |            |              |           |             |             |     |
|               | <b>1.2</b>       | 1200          | 1078    | 28700                | 2.2       |            |              |           |             |             |     |
|               | <b>1.4</b>       | 1030          | 951     | 28800                | 2.6       |            |              |           |             |             |     |
|               | <b>1.6</b>       | 890           | 837     | 28800                | 3.0       |            |              |           |             |             |     |
|               | <b>1.8</b>       | 775           | 726     | 28900                | 3.5       |            |              |           |             |             |     |
|               | <b>0.87</b>      | 1710          | 1514    | 14100                | 0.90      | <b>K</b>   | <b>77R37</b> | <b>DR</b> | <b>63M4</b> | 69          | 523 |
|               | <b>0.95</b>      | 1570          | 1388    | 15200                | 1.00      |            |              |           |             |             |     |
|               | <b>1.1</b>       | 1380          | 1218    | 16500                | 1.10      |            |              |           |             |             |     |
|               | <b>1.2</b>       | 1200          | 1053    | 17400                | 1.30      |            |              |           |             |             |     |
|               | <b>1.4</b>       | 1050          | 924     | 18100                | 1.45      |            |              |           |             |             |     |
|               | <b>1.6</b>       | 930           | 815     | 18600                | 1.65      |            |              |           |             |             |     |
|               | <b>1.9</b>       | 760           | 709     | 19100                | 2.0       |            |              |           |             |             |     |
|               | <b>2.1</b>       | 665           | 622     | 19300                | 2.3       |            |              |           |             |             |     |
|               | <b>2.4</b>       | 600           | 552     | 19500                | 2.6       | <b>KF</b>  | <b>77R37</b> | <b>DR</b> | <b>63M4</b> | 77          | 523 |
|               | <b>2.7</b>       | 525           | 485     | 19600                | 2.9       |            |              |           |             |             |     |
|               | <b>3.1</b>       | 465           | 428     | 19800                | 3.3       |            |              |           |             |             |     |
|               | <b>3.6</b>       | 410           | 367     | 19800                | 3.8       |            |              |           |             |             |     |
|               | <b>1.7</b>       | 920           | 793     | 9240                 | 0.90      |            |              |           |             |             |     |
|               | <b>1.9</b>       | 760           | 697     | 10800                | 1.05      |            |              |           |             |             |     |
|               | <b>2.2</b>       | 670           | 613     | 11500                | 1.20      |            |              |           |             |             |     |
|               | <b>2.4</b>       | 590           | 542     | 12000                | 1.40      |            |              |           |             |             |     |
|               | <b>2.8</b>       | 535           | 471     | 12200                | 1.50      | <b>KA</b>  | <b>67R37</b> | <b>DR</b> | <b>63M4</b> | 45          | 523 |
|               | <b>3.2</b>       | 455           | 420     | 12600                | 1.80      |            |              |           |             |             |     |
|               | <b>3.6</b>       | 405           | 361     | 12800                | 2.0       |            |              |           |             |             |     |
|               | <b>4.1</b>       | 360           | 323     | 12900                | 2.3       |            |              |           |             |             |     |
|               | <b>4.7</b>       | 300           | 279     | 13000                | 2.7       |            |              |           |             |             |     |
|               | <b>2.4</b>       | 590           | 544     | 7690                 | 1.00      |            |              |           |             |             |     |
|               | <b>2.8</b>       | 535           | 473     | 8150                 | 1.10      |            |              |           |             |             |     |
|               | <b>3.1</b>       | 455           | 421     | 8620                 | 1.30      |            |              |           |             |             |     |
|               | <b>3.6</b>       | 405           | 362     | 8840                 | 1.45      | <b>KAF</b> | <b>57R37</b> | <b>DR</b> | <b>63M4</b> | 39          | 523 |
|               | <b>4.1</b>       | 360           | 319     | 9050                 | 1.65      |            |              |           |             |             |     |
|               | <b>4.7</b>       | 300           | 280     | 9270                 | 1.95      |            |              |           |             |             |     |
|               | <b>5.4</b>       | 265           | 246     | 9400                 | 2.2       |            |              |           |             |             |     |
|               | <b>6.1</b>       | 235           | 215     | 9510                 | 2.5       |            |              |           |             |             |     |
|               | <b>6.9</b>       | 210           | 192     | 9600                 | 2.8       |            |              |           |             |             |     |
|               | <b>7.9</b>       | 182           | 166     | 9690                 | 3.3       |            |              |           |             |             |     |
|               | <b>3.5</b>       | 405           | 375     | 5600                 | 1.00      | <b>K</b>   | <b>47R37</b> | <b>DR</b> | <b>63M4</b> | 33          | 523 |
|               | <b>4.0</b>       | 365           | 327     | 6320                 | 1.10      |            |              |           |             |             |     |
|               | <b>4.6</b>       | 325           | 289     | 6800                 | 1.20      |            |              |           |             |             |     |
|               | <b>5.2</b>       | 275           | 256     | 7240                 | 1.45      |            |              |           |             |             |     |
|               | <b>5.9</b>       | 250           | 225     | 7450                 | 1.60      |            |              |           |             |             |     |
|               | <b>6.7</b>       | 215           | 198     | 7680                 | 1.85      |            |              |           |             |             |     |
|               | <b>7.7</b>       | 188           | 171     | 7840                 | 2.1       |            |              |           |             |             |     |
|               | <b>8.6</b>       | 168           | 153     | 7930                 | 2.4       | <b>KF</b>  | <b>47R37</b> | <b>DR</b> | <b>63M4</b> | 36          | 523 |
|               | <b>10</b>        | 147           | 131     | 8020                 | 2.7       |            |              |           |             |             |     |
|               | <b>6.4</b>       | 230           | 205     | 4860                 | 0.85      |            |              |           |             |             |     |
|               | <b>7.3</b>       | 200           | 181     | 5590                 | 1.00      |            |              |           |             |             |     |
|               | <b>8.2</b>       | 180           | 160     | 5860                 | 1.10      |            |              |           |             |             |     |
|               | <b>9.7</b>       | 151           | 136     | 6110                 | 1.35      |            |              |           |             |             |     |
|               | <b>10</b>        | 145           | 127     | 6160                 | 1.40      |            |              |           |             |             |     |
|               | <b>6.0</b>       | 285           | 144.79* | 13000                | 2.9       | <b>KA</b>  | <b>67</b>    | <b>DR</b> | <b>63L6</b> | 35          | 484 |
|               | <b>7.0</b>       | 240           | 123.54  | 13000                | 3.4       |            |              |           |             |             |     |
|               | <b>8.0</b>       | 210           | 108.03  | 13000                | 3.8       |            |              |           |             |             |     |
|               | <b>8.5</b>       | 200           | 102.62  | 13000                | 4.0       |            |              |           |             |             |     |
|               | <b>9.1</b>       | 188           | 144.79* | 13000                | 4.4       |            |              |           |             |             |     |
|               | <b>11</b>        | 161           | 123.54  | 13000                | 5.1       |            |              |           |             |             |     |
|               | <b>12</b>        | 141           | 108.03  | 13000                | 5.8       |            |              |           |             |             |     |
|               | <b>6.0</b>       | 285           | 145.14* | 9340                 | 2.1       | <b>KAF</b> | <b>57</b>    | <b>DR</b> | <b>63M4</b> | 34          | 484 |
|               | <b>7.0</b>       | 240           | 123.85  | 9480                 | 2.4       |            |              |           |             |             |     |
|               | <b>8.0</b>       | 210           | 108.29  | 9590                 | 2.8       |            |              |           |             |             |     |
|               | <b>8.5</b>       | 200           | 102.88* | 9620                 | 3.0       |            |              |           |             |             |     |
|               | <b>9.6</b>       | 178           | 90.26*  | 9700                 | 3.4       |            |              |           |             |             |     |
|               | <b>6.0</b>       | 285           | 145.14* | 9340                 | 2.1       | <b>K</b>   | <b>57</b>    | <b>DR</b> | <b>63L6</b> | 29          | 479 |
|               | <b>7.0</b>       | 240           | 123.85  | 9480                 | 2.4       |            |              |           |             |             |     |
|               | <b>8.0</b>       | 210           | 108.29  | 9590                 | 2.8       |            |              |           |             |             |     |
|               | <b>8.5</b>       | 200           | 102.88* | 9620                 | 3.0       |            |              |           |             |             |     |
|               | <b>9.6</b>       | 178           | 90.26*  | 9700                 | 3.4       |            |              |           |             |             |     |
|               | <b>6.0</b>       | 285           | 145.14* | 9340                 | 2.1       | <b>KF</b>  | <b>57</b>    | <b>DR</b> | <b>63L6</b> | 34          | 480 |
|               | <b>7.0</b>       | 240           | 123.85  | 9480                 | 2.4       |            |              |           |             |             |     |
|               | <b>8.0</b>       | 210           | 108.29  | 9590                 | 2.8       |            |              |           |             |             |     |
|               | <b>8.5</b>       | 200           | 102.88* | 9620                 | 3.0       |            |              |           |             |             |     |
|               | <b>9.6</b>       | 178           | 90.26*  | 9700                 | 3.4       |            |              |           |             |             |     |
|               | <b>6.0</b>       | 285           | 145.14* | 9340                 | 2.1       | <b>KA</b>  | <b>57</b>    | <b>DR</b> | <b>63L6</b> | 27          | 481 |
|               | <b>7.0</b>       | 240           | 123.85  | 9480                 | 2.4       |            |              |           |             |             |     |
|               | <b>8.0</b>       | 210           | 108.29  | 9590                 | 2.8       |            |              |           |             |             |     |
|               | <b>8.5</b>       | 200           | 102.88* | 9620                 | 3.0       |            |              |           |             |             |     |
|               | <b>9.6</b>       | 178           | 90.26*  | 9700                 | 3.4       |            |              |           |             |             |     |

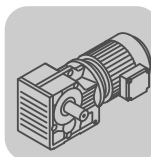


| $P_m$<br>[kW] | $n_a$<br>[1/min] | $M_a$<br>[Nm] | $i$     | $F_{Ra}^{1)}$<br>[N] | SEW $f_B$ |     |        |    |      | $m$<br>[kg] |     |
|---------------|------------------|---------------|---------|----------------------|-----------|-----|--------|----|------|-------------|-----|
| 0.18          | 9.1              | 189           | 145.14* | 9670                 | 3.2       |     |        |    |      |             |     |
|               | 11               | 161           | 123.85  | 9750                 | 3.7       | K   | 57     | DR | 63M4 | 28          | 479 |
|               | 12               | 141           | 108.29  | 9810                 | 4.3       | KF  | 57     | DR | 63M4 | 33          | 480 |
|               | 13               | 134           | 102.88* | 9830                 | 4.5       | KA  | 57     | DR | 63M4 | 26          | 481 |
|               | 15               | 118           | 90.26*  | 9880                 | 5.1       | KAF | 57     | DR | 63M4 | 32          | 480 |
|               | 17               | 100           | 76.56*  | 9920                 | 6.0       |     |        |    |      |             |     |
|               | 6.6              | 260           | 131.87* | 7380                 | 1.55      | K   | 47     | DR | 63L6 | 23          | 474 |
|               | 7.2              | 240           | 121.48* | 7530                 | 1.65      | KF  | 47     | DR | 63L6 | 26          | 475 |
|               | 8.3              | 205           | 104.37  | 7740                 | 1.95      | KA  | 47     | DR | 63L6 | 22          | 476 |
|               | 9.6              | 180           | 90.86   | 7880                 | 2.2       | KAF | 47     | DR | 63L6 | 25          | 475 |
|               | 10               | 168           | 85.12*  | 7930                 | 2.4       |     |        |    |      |             |     |
|               | 10               | 172           | 131.87* | 7910                 | 2.3       | K   | 47     | DR | 63M4 | 22          | 474 |
|               | 11               | 158           | 121.48* | 7970                 | 2.5       | KF  | 47     | DR | 63M4 | 26          | 475 |
|               | 13               | 136           | 104.37  | 8060                 | 2.9       | KA  | 47     | DR | 63M4 | 22          | 476 |
|               | 15               | 118           | 90.86   | 8120                 | 3.4       | KAF | 47     | DR | 63M4 | 24          | 475 |
|               | 16               | 111           | 85.12*  | 8140                 | 3.6       |     |        |    |      |             |     |
|               | 8.2              | 210           | 106.38  | 5520                 | 0.95      | K   | 37     | DR | 63L6 | 17          | 469 |
|               | 8.9              | 193           | 97.81   | 5710                 | 1.05      | KF  | 37     | DR | 63L6 | 19          | 470 |
|               | 10               | 165           | 83.69   | 5990                 | 1.20      | KA  | 37     | DR | 63L6 | 16          | 471 |
|               | 12               | 143           | 72.54   | 6170                 | 1.40      | KAF | 37     | DR | 63L6 | 18          | 470 |
|               | 12               | 138           | 106.38  | 6210                 | 1.45      |     |        |    |      |             |     |
|               | 14               | 127           | 97.81   | 6280                 | 1.55      |     |        |    |      |             |     |
|               | 16               | 109           | 83.69   | 6400                 | 1.85      |     |        |    |      |             |     |
|               | 18               | 94            | 72.54   | 6470                 | 2.1       |     |        |    |      |             |     |
|               | 19               | 88            | 67.80   | 6500                 | 2.3       |     |        |    |      |             |     |
|               | 23               | 76            | 58.60   | 6280                 | 2.6       |     |        |    |      |             |     |
|               | 27               | 65            | 49.79   | 6010                 | 3.1       |     |        |    |      |             |     |
|               | 30               | 58            | 44.46   | 5830                 | 3.4       |     |        |    |      |             |     |
|               | 35               | 49            | 37.97   | 5580                 | 4.0       |     |        |    |      |             |     |
|               | 37               | 46            | 35.57   | 5480                 | 4.3       | K   | 37     | DR | 63M4 | 16          | 469 |
|               | 44               | 39            | 29.96   | 5220                 | 5.1       | KF  | 37     | DR | 63M4 | 18          | 470 |
|               | 46               | 38            | 28.83   | 5160                 | 5.3       | KA  | 37     | DR | 63M4 | 16          | 471 |
|               | 53               | 32            | 24.99   | 4950                 | 6.2       | KAF | 37     | DR | 63M4 | 18          | 470 |
|               | 57               | 30            | 23.36   | 4850                 | 6.4       |     |        |    |      |             |     |
|               | 65               | 26            | 20.19   | 4650                 | 7.0       |     |        |    |      |             |     |
|               | 77               | 22            | 17.15   | 4430                 | 8.1       |     |        |    |      |             |     |
|               | 86               | 20            | 15.31   | 4280                 | 8.8       |     |        |    |      |             |     |
|               | 101              | 17            | 13.08   | 4080                 | 9.7       |     |        |    |      |             |     |
|               | 109              | 16            | 12.14   | 3980                 | 10        |     |        |    |      |             |     |
|               | 126              | 14            | 10.49   | 3810                 | 12        |     |        |    |      |             |     |
|               | 148              | 12            | 8.91    | 3620                 | 14        |     |        |    |      |             |     |
|               | 166              | 10            | 7.96    | 3490                 | 15        |     |        |    |      |             |     |
| 0.25          | 0.13             | 15100         | 9819    | 75600                | 0.85      |     |        |    |      |             |     |
|               | 0.15             | 13000         | 8443    | 79200                | 1.00      |     |        |    |      |             |     |
|               | 0.17             | 11500         | 7482    | 79900                | 1.10      | K   | 127R77 | DR | 63L4 | 470         | 523 |
|               | 0.20             | 10100         | 6565    | 80600                | 1.30      | KF  | 127R77 | DR | 63L4 | 510         | 523 |
|               | 0.22             | 8750          | 5804    | 81200                | 1.50      | KA  | 127R77 | DR | 63L4 | 440         | 523 |
|               | 0.26             | 7690          | 5027    | 81600                | 1.70      | KAF | 127R77 | DR | 63L4 | 480         | 523 |
|               | 0.29             | 6660          | 4423    | 81900                | 1.95      |     |        |    |      |             |     |
|               | 0.33             | 5820          | 3889    | 82100                | 2.2       |     |        |    |      |             |     |
|               | 0.39             | 4870          | 3311    | 82300                | 2.7       |     |        |    |      |             |     |
|               | 0.21             | 9460          | 6184    | 65000                | 0.85      |     |        |    |      |             |     |
|               | 0.23             | 8480          | 5662    | 65000                | 0.95      |     |        |    |      |             |     |
|               | 0.25             | 7690          | 5138    | 65000                | 1.05      |     |        |    |      |             |     |
|               | 0.30             | 6730          | 4359    | 65000                | 1.20      | K   | 107R77 | DR | 63L4 | 310         | 523 |
|               | 0.34             | 5880          | 3810    | 65000                | 1.35      | KF  | 107R77 | DR | 63L4 | 320         | 523 |
|               | 0.39             | 5060          | 3358    | 65000                | 1.60      | KA  | 107R77 | DR | 63L4 | 285         | 523 |
|               | 0.44             | 4550          | 2977    | 65000                | 1.75      | KAF | 107R77 | DR | 63L4 | 305         | 523 |
|               | 0.50             | 3970          | 2599    | 65000                | 2.0       |     |        |    |      |             |     |
|               | 0.57             | 3440          | 2286    | 65000                | 2.3       |     |        |    |      |             |     |
|               | 0.67             | 2920          | 1939    | 65000                | 2.7       |     |        |    |      |             |     |
|               | 0.76             | 2670          | 1713    | 65000                | 3.0       | K   | 107R77 | DR | 63L4 | 310         | 523 |
|               | 0.84             | 2430          | 1554    | 65000                | 3.3       | KF  | 107R77 | DR | 63L4 | 320         | 523 |
|               | 0.97             | 2080          | 1336    | 65000                | 3.8       | KA  | 107R77 | DR | 63L4 | 280         | 523 |
|               |                  |               |         |                      |           | KAF | 107R77 | DR | 63L4 | 305         | 523 |
|               | 0.42             | 4980          | 3108    | 39900                | 0.85      | K   | 97R57  | DR | 63L4 | 180         | 523 |
|               |                  |               |         |                      |           | KF  | 97R57  | DR | 63L4 | 200         | 523 |
|               | 0.47             | 4350          | 2757    | 40000                | 1.00      | KA  | 97R57  | DR | 63L4 | 160         | 523 |
|               |                  |               |         |                      |           | KAF | 97R57  | DR | 63L4 | 185         | 523 |

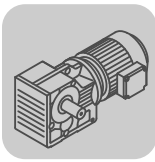




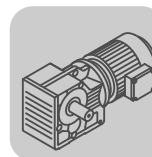
| $P_m$<br>[kW] | $n_a$<br>[1/min] | $M_a$<br>[Nm] | $i$     | $F_{Ra}^{1)}$<br>[N] | SEW $f_B$ |                                                  |              |            |             | $m$<br>[kg] |     |
|---------------|------------------|---------------|---------|----------------------|-----------|--------------------------------------------------|--------------|------------|-------------|-------------|-----|
| <b>0.25</b>   | <b>0.54</b>      | 3920          | 2419    | 40000                | 1.10      | <b>K</b><br><b>KF</b><br><b>KA</b><br><b>KAF</b> | <b>97R57</b> | <b>DR</b>  | <b>63L4</b> | 180         | 523 |
|               | <b>0.61</b>      | 3420          | 2123    | 40000                | 1.25      |                                                  |              |            |             | 200         | 523 |
|               | <b>0.70</b>      | 3010          | 1856    | 40000                | 1.40      |                                                  |              |            |             | 160         | 523 |
|               | <b>0.80</b>      | 2570          | 1625    | 40000                | 1.65      |                                                  |              |            |             | 185         | 523 |
|               | <b>0.91</b>      | 2240          | 1430    | 40000                | 1.90      |                                                  |              |            |             |             |     |
|               | <b>1.0</b>       | 2050          | 1261    | 40000                | 2.1       |                                                  |              |            |             |             |     |
|               | <b>1.2</b>       | 1790          | 1102    | 40000                | 2.4       |                                                  |              |            |             |             |     |
|               | <b>1.4</b>       | 1560          | 957     | 40000                | 2.7       |                                                  |              |            |             |             |     |
|               | <b>1.5</b>       | 1400          | 855     | 40000                | 3.1       |                                                  |              |            |             |             |     |
|               | <b>0.62</b>      | 3390          | 2088    | 26300                | 0.80      | <b>K</b><br><b>KF</b><br><b>KA</b><br><b>KAF</b> | <b>87R57</b> | <b>DR</b>  | <b>63L4</b> | 120         | 523 |
|               | <b>0.70</b>      | 3010          | 1854    | 26900                | 0.90      |                                                  |              |            |             | 125         | 523 |
|               | <b>0.78</b>      | 2690          | 1657    | 27300                | 1.00      |                                                  |              |            |             | 105         | 523 |
|               | <b>0.92</b>      | 2290          | 1415    | 27800                | 1.15      |                                                  |              |            |             | 120         | 523 |
|               | <b>1.1</b>       | 1990          | 1229    | 28100                | 1.35      |                                                  |              |            |             |             |     |
|               | <b>1.2</b>       | 1730          | 1078    | 28300                | 1.55      |                                                  |              |            |             |             |     |
|               | <b>1.4</b>       | 1500          | 951     | 28500                | 1.80      |                                                  |              |            |             |             |     |
|               | <b>1.6</b>       | 1310          | 837     | 28600                | 2.1       |                                                  |              |            |             |             |     |
|               | <b>1.8</b>       | 1130          | 726     | 28700                | 2.4       |                                                  |              |            |             |             |     |
|               | <b>2.0</b>       | 1010          | 638     | 28800                | 2.7       |                                                  |              |            |             |             |     |
|               | <b>1.2</b>       | 1720          | 1053    | 14000                | 0.90      | <b>K</b><br><b>KF</b><br><b>KA</b><br><b>KAF</b> | <b>77R37</b> | <b>DR</b>  | <b>63L4</b> | 70          | 523 |
|               | <b>1.4</b>       | 1510          | 924     | 15600                | 1.00      |                                                  |              |            |             | 78          | 523 |
|               | <b>1.6</b>       | 1330          | 815     | 16700                | 1.15      |                                                  |              |            |             | 62          | 523 |
|               | <b>1.8</b>       | 1110          | 709     | 17800                | 1.40      |                                                  |              |            |             | 70          | 523 |
|               | <b>2.1</b>       | 970           | 622     | 18400                | 1.60      |                                                  |              |            |             |             |     |
|               | <b>2.4</b>       | 870           | 552     | 18700                | 1.75      |                                                  |              |            |             |             |     |
|               | <b>2.7</b>       | 765           | 485     | 19100                | 2.0       |                                                  |              |            |             |             |     |
|               | <b>3.0</b>       | 675           | 428     | 19300                | 2.3       |                                                  |              |            |             |             |     |
|               | <b>3.5</b>       | 590           | 367     | 19500                | 2.6       |                                                  |              |            |             |             |     |
|               | <b>4.0</b>       | 525           | 328     | 19600                | 2.9       |                                                  |              |            |             |             |     |
|               | <b>4.5</b>       | 465           | 290     | 19700                | 3.3       |                                                  |              |            |             |             |     |
|               | <b>5.2</b>       | 400           | 252     | 19900                | 3.8       |                                                  |              |            |             |             |     |
|               | <b>5.9</b>       | 350           | 221     | 19900                | 4.4       |                                                  |              |            |             |             |     |
|               | <b>6.7</b>       | 310           | 195     | 20000                | 5.0       |                                                  |              |            |             |             |     |
|               | <b>7.4</b>       | 270           | 175     | 20000                | 5.6       |                                                  |              |            |             |             |     |
|               | <b>2.1</b>       | 970           | 613     | 5680                 | 0.85      | <b>K</b><br><b>KF</b><br><b>KA</b><br><b>KAF</b> | <b>67R37</b> | <b>DR</b>  | <b>63L4</b> | 46          | 523 |
|               | <b>2.4</b>       | 860           | 542     | 9920                 | 0.95      |                                                  |              |            |             | 51          | 523 |
|               | <b>2.8</b>       | 775           | 471     | 10700                | 1.05      |                                                  |              |            |             | 43          | 523 |
|               | <b>3.1</b>       | 665           | 420     | 11500                | 1.25      |                                                  |              |            |             | 49          | 523 |
|               | <b>3.6</b>       | 590           | 361     | 11900                | 1.40      |                                                  |              |            |             |             |     |
|               | <b>4.0</b>       | 520           | 323     | 12300                | 1.55      |                                                  |              |            |             |             |     |
|               | <b>4.7</b>       | 440           | 279     | 12600                | 1.85      |                                                  |              |            |             |             |     |
|               | <b>5.3</b>       | 390           | 246     | 12800                | 2.1       |                                                  |              |            |             |             |     |
|               | <b>6.0</b>       | 345           | 217     | 13000                | 2.4       |                                                  |              |            |             |             |     |
|               | <b>3.1</b>       | 665           | 421     | 4200                 | 0.90      | <b>K</b><br><b>KF</b><br><b>KA</b><br><b>KAF</b> | <b>57R37</b> | <b>DR</b>  | <b>63L4</b> | 40          | 523 |
|               | <b>3.6</b>       | 590           | 362     | 7690                 | 1.00      |                                                  |              |            |             | 45          | 523 |
|               | <b>4.1</b>       | 520           | 319     | 8260                 | 1.15      |                                                  |              |            |             | 38          | 523 |
|               | <b>4.6</b>       | 440           | 280     | 8680                 | 1.35      |                                                  |              |            |             | 43          | 523 |
|               | <b>5.3</b>       | 390           | 246     | 8920                 | 1.55      |                                                  |              |            |             |             |     |
|               | <b>6.0</b>       | 345           | 215     | 9110                 | 1.75      |                                                  |              |            |             |             |     |
|               | <b>6.8</b>       | 305           | 192     | 9260                 | 1.95      |                                                  |              |            |             |             |     |
|               | <b>7.8</b>       | 265           | 166     | 9410                 | 2.3       |                                                  |              |            |             |             |     |
|               | <b>9.0</b>       | 230           | 145     | 9530                 | 2.6       |                                                  |              |            |             |             |     |
|               | <b>10</b>        | 210           | 129     | 9600                 | 2.8       |                                                  |              |            |             |             |     |
|               | <b>12</b>        | 178           | 111     | 9700                 | 3.4       |                                                  |              |            |             |             |     |
|               | <b>13</b>        | 156           | 97      | 9770                 | 3.8       |                                                  |              |            |             |             |     |
|               | <b>4.7</b>       | 510           | 192.18  | 19700                | 2.8       | <b>K</b>                                         | <b>77</b>    | <b>DRS</b> | <b>71S6</b> | 62          | 489 |
|               | <b>5.0</b>       | 475           | 179.37  | 19700                | 3.0       | <b>KF</b>                                        | <b>77</b>    | <b>DRS</b> | <b>71S6</b> | 71          | 490 |
|               | <b>5.8</b>       | 410           | 154.02  | 19800                | 3.8       | <b>KA</b>                                        | <b>77</b>    | <b>DRS</b> | <b>71S6</b> | 55          | 491 |
|               | <b>6.6</b>       | 360           | 135.28  | 19900                | 4.3       | <b>KAF</b>                                       | <b>77</b>    | <b>DRS</b> | <b>71S6</b> | 63          | 490 |
|               | <b>6.2</b>       | 385           | 144.79* | 12900                | 2.1       | <b>K</b>                                         | <b>67</b>    | <b>DRS</b> | <b>71S6</b> | 36          | 484 |
|               | <b>7.2</b>       | 325           | 123.54  | 13000                | 2.5       | <b>KF</b>                                        | <b>67</b>    | <b>DRS</b> | <b>71S6</b> | 42          | 485 |
|               | <b>8.3</b>       | 285           | 108.03  | 13000                | 2.8       | <b>KA</b>                                        | <b>67</b>    | <b>DRS</b> | <b>71S6</b> | 34          | 486 |
|               | <b>8.7</b>       | 270           | 102.62  | 13000                | 3.0       | <b>KAF</b>                                       | <b>67</b>    | <b>DRS</b> | <b>71S6</b> | 39          | 485 |
|               | <b>9.0</b>       | 265           | 144.79* | 13000                | 3.1       | <b>K</b>                                         | <b>67</b>    | <b>DR</b>  | <b>63L4</b> | 35          | 484 |
|               | <b>11</b>        | 225           | 123.54  | 13000                | 3.6       | <b>KF</b>                                        | <b>67</b>    | <b>DR</b>  | <b>63L4</b> | 40          | 485 |
|               | <b>12</b>        | 198           | 108.03  | 13000                | 4.1       | <b>KA</b>                                        | <b>67</b>    | <b>DR</b>  | <b>63L4</b> | 32          | 486 |
|               | <b>13</b>        | 188           | 102.62  | 13000                | 4.4       | <b>KAF</b>                                       | <b>67</b>    | <b>DR</b>  | <b>63L4</b> | 38          | 485 |

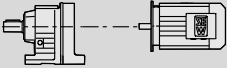


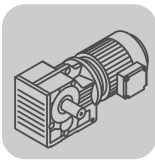
| $P_m$<br>[kW] | $n_a$<br>[1/min] | $M_a$<br>[Nm] | $i$     | $F_{Ra}^{1)}$<br>[N] | SEW $f_B$ |     |        |     |      | $m$<br>[kg] |     |
|---------------|------------------|---------------|---------|----------------------|-----------|-----|--------|-----|------|-------------|-----|
| 0.25          | 6.2              | 385           | 145.14* | 8940                 | 1.55      |     |        |     |      |             |     |
|               | 7.2              | 330           | 123.85  | 9170                 | 1.80      | K   | 57     | DRS | 71S6 | 31          | 479 |
|               | 8.3              | 285           | 108.29  | 9330                 | 2.1       | KF  | 57     | DRS | 71S6 | 35          | 480 |
|               | 8.7              | 270           | 102.88* | 9380                 | 2.2       | KA  | 57     | DRS | 71S6 | 28          | 481 |
|               | 9.9              | 240           | 90.26*  | 9500                 | 2.5       | KAF | 57     | DRS | 71S6 | 34          | 480 |
|               | 12               | 200           | 76.56*  | 9620                 | 2.9       |     |        |     |      |             |     |
|               | 9.0              | 265           | 145.14* | 9410                 | 2.2       |     |        |     |      |             |     |
|               | 10               | 225           | 123.85  | 9540                 | 2.6       | K   | 57     | DR  | 63L4 | 29          | 479 |
|               | 12               | 199           | 108.29  | 9640                 | 3.0       | KF  | 57     | DR  | 63L4 | 34          | 480 |
|               | 13               | 189           | 102.88* | 9670                 | 3.2       | KA  | 57     | DR  | 63L4 | 27          | 481 |
|               | 14               | 166           | 90.26*  | 9740                 | 3.6       | KAF | 57     | DR  | 63L4 | 32          | 480 |
|               | 17               | 141           | 76.56*  | 9810                 | 4.3       |     |        |     |      |             |     |
|               | 6.8              | 350           | 131.87* | 6540                 | 1.15      | K   | 47     | DRS | 71S6 | 25          | 474 |
|               | 7.4              | 320           | 121.48* | 6830                 | 1.25      | KF  | 47     | DRS | 71S6 | 28          | 475 |
|               | 8.6              | 275           | 104.37  | 7240                 | 1.45      | KA  | 47     | DRS | 71S6 | 24          | 476 |
|               |                  |               |         |                      |           | KAF | 47     | DRS | 71S6 | 27          | 475 |
|               | 9.8              | 240           | 90.86   | 7510                 | 1.65      | K   | 47     | DRS | 71S6 | 25          | 474 |
|               | 11               | 225           | 85.12*  | 7610                 | 1.75      | KF  | 47     | DRS | 71S6 | 28          | 475 |
|               |                  |               |         |                      |           | KA  | 47     | DRS | 71S6 | 24          | 476 |
|               |                  |               |         |                      |           | KAF | 47     | DRS | 71S6 | 27          | 475 |
|               | 9.9              | 240           | 131.87* | 7510                 | 1.65      | K   | 47     | DR  | 63L4 | 23          | 474 |
|               | 11               | 220           | 121.48* | 7640                 | 1.80      | KF  | 47     | DR  | 63L4 | 26          | 475 |
|               | 12               | 192           | 104.37  | 7820                 | 2.1       | KA  | 47     | DR  | 63L4 | 22          | 476 |
|               | 14               | 167           | 90.86   | 7930                 | 2.4       | KAF | 47     | DR  | 63L4 | 25          | 475 |
|               | 15               | 156           | 85.12*  | 7980                 | 2.6       |     |        |     |      |             |     |
|               | 11               | 220           | 83.69   | 5350                 | 0.90      | K   | 37     | DRS | 71S6 | 19          | 469 |
|               | 12               | 194           | 72.54   | 5710                 | 1.05      | KF  | 37     | DRS | 71S6 | 21          | 470 |
|               | 13               | 181           | 67.80   | 5840                 | 1.10      | KA  | 37     | DRS | 71S6 | 18          | 471 |
|               | 15               | 156           | 58.60   | 6070                 | 1.30      | KAF | 37     | DRS | 71S6 | 20          | 470 |
|               | 18               | 133           | 49.79   | 6250                 | 1.50      |     |        |     |      |             |     |
|               | 12               | 195           | 106.38  | 5690                 | 1.00      |     |        |     |      |             |     |
|               | 13               | 180           | 97.81   | 5860                 | 1.10      |     |        |     |      |             |     |
|               | 16               | 154           | 83.69   | 6090                 | 1.30      |     |        |     |      |             |     |
|               | 18               | 133           | 72.54   | 6240                 | 1.50      |     |        |     |      |             |     |
|               | 19               | 124           | 67.80   | 6220                 | 1.60      |     |        |     |      |             |     |
|               | 22               | 108           | 58.60   | 6030                 | 1.85      |     |        |     |      |             |     |
|               | 26               | 91            | 49.79   | 5810                 | 2.2       |     |        |     |      |             |     |
|               | 29               | 82            | 44.46   | 5650                 | 2.4       |     |        |     |      |             |     |
|               | 34               | 70            | 37.97   | 5430                 | 2.9       |     |        |     |      |             |     |
|               | 37               | 65            | 35.57   | 5340                 | 3.1       |     |        |     |      |             |     |
|               | 43               | 55            | 29.96   | 5100                 | 3.6       | K   | 37     | DR  | 63L4 | 17          | 469 |
|               | 45               | 53            | 28.83   | 5050                 | 3.8       | KF  | 37     | DR  | 63L4 | 19          | 470 |
|               | 52               | 46            | 24.99   | 4860                 | 4.4       | KA  | 37     | DR  | 63L4 | 16          | 471 |
|               | 56               | 43            | 23.36   | 4770                 | 4.6       | KAF | 37     | DR  | 63L4 | 18          | 470 |
|               | 64               | 37            | 20.19   | 4580                 | 5.0       |     |        |     |      |             |     |
|               | 76               | 32            | 17.15   | 4370                 | 5.7       |     |        |     |      |             |     |
|               | 85               | 28            | 15.31   | 4220                 | 6.2       |     |        |     |      |             |     |
|               | 99               | 24            | 13.08   | 4030                 | 6.9       |     |        |     |      |             |     |
|               | 107              | 22            | 12.14   | 3940                 | 7.2       |     |        |     |      |             |     |
|               | 124              | 19            | 10.49   | 3780                 | 8.3       |     |        |     |      |             |     |
|               | 146              | 16            | 8.91    | 3590                 | 9.8       |     |        |     |      |             |     |
|               | 163              | 15            | 7.96    | 3470                 | 11        |     |        |     |      |             |     |
|               | 191              | 12            | 6.80    | 3300                 | 12        |     |        |     |      |             |     |
|               | 204              | 12            | 6.37    | 3240                 | 12        |     |        |     |      |             |     |
| 0.37          | 0.18             | 16500         | 7482    | 72700                | 0.80      |     |        |     |      |             |     |
|               | 0.21             | 14500         | 6565    | 76900                | 0.90      |     |        |     |      |             |     |
|               | 0.24             | 12600         | 5804    | 79400                | 1.05      | K   | 127R77 | DRS | 71S4 | 470         | 523 |
|               | 0.27             | 11000         | 5027    | 80200                | 1.20      | KF  | 127R77 | DRS | 71S4 | 510         | 523 |
|               | 0.31             | 9610          | 4423    | 80800                | 1.35      | KA  | 127R77 | DRS | 71S4 | 445         | 523 |
|               | 0.35             | 8410          | 3889    | 81300                | 1.55      | KAF | 127R77 | DRS | 71S4 | 480         | 523 |
|               | 0.42             | 7080          | 3311    | 81800                | 1.85      |     |        |     |      |             |     |
|               | 0.72             | 4280          | 1926    | 82400                | 3.0       | K   | 127R77 | DRS | 71S4 | 470         | 523 |
|               | 0.79             | 3900          | 1757    | 82500                | 3.3       | KF  | 127R77 | DRS | 71S4 | 510         | 523 |
|               | 0.90             | 3390          | 1541    | 82600                | 3.8       | KA  | 127R77 | DRS | 71S4 | 445         | 523 |
|               |                  |               |         |                      |           | KAF | 127R77 | DRS | 71S4 | 480         | 523 |



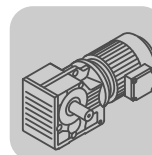
| $P_m$<br>[kW] | $n_a$<br>[1/min] | $M_a$<br>[Nm] | $i$    | $F_{Ra}^{1)}$<br>[N] | SEW $f_B$ |            |               |            |             | $m$<br>[kg] |     |
|---------------|------------------|---------------|--------|----------------------|-----------|------------|---------------|------------|-------------|-------------|-----|
| <b>0.37</b>   | <b>0.36</b>      | 8420          | 3810   | 65000                | 0.95      |            |               |            |             |             |     |
|               | <b>0.41</b>      | 7290          | 3358   | 65000                | 1.10      | <b>K</b>   | <b>107R77</b> | <b>DRS</b> | <b>71S4</b> | 310         | 523 |
|               | <b>0.46</b>      | 6530          | 2977   | 65000                | 1.20      | <b>KF</b>  | <b>107R77</b> | <b>DRS</b> | <b>71S4</b> | 325         | 523 |
|               | <b>0.53</b>      | 5700          | 2599   | 65000                | 1.40      | <b>KA</b>  | <b>107R77</b> | <b>DRS</b> | <b>71S4</b> | 285         | 523 |
|               | <b>0.60</b>      | 4960          | 2286   | 65000                | 1.60      | <b>KAF</b> | <b>107R77</b> | <b>DRS</b> | <b>71S4</b> | 310         | 523 |
|               | <b>0.71</b>      | 4210          | 1939   | 65000                | 1.90      |            |               |            |             |             |     |
|               | <b>0.81</b>      | 3830          | 1713   | 65000                | 2.1       | <b>K</b>   | <b>107R77</b> | <b>DRS</b> | <b>71S4</b> | 310         | 523 |
|               | <b>0.89</b>      | 3470          | 1554   | 65000                | 2.3       | <b>KF</b>  | <b>107R77</b> | <b>DRS</b> | <b>71S4</b> | 325         | 523 |
|               | <b>1.0</b>       | 2990          | 1336   | 65000                | 2.7       | <b>KA</b>  | <b>107R77</b> | <b>DRS</b> | <b>71S4</b> | 285         | 523 |
|               | <b>1.2</b>       | 2600          | 1166   | 65000                | 3.1       | <b>KAF</b> | <b>107R77</b> | <b>DRS</b> | <b>71S4</b> | 305         | 523 |
|               | <b>0.65</b>      | 4850          | 2123   | 40000                | 0.90      |            |               |            |             |             |     |
|               | <b>0.74</b>      | 4270          | 1856   | 40000                | 1.00      |            |               |            |             |             |     |
|               | <b>0.85</b>      | 3670          | 1625   | 40000                | 1.15      |            |               |            |             |             |     |
|               | <b>0.96</b>      | 3200          | 1430   | 40000                | 1.35      |            |               |            |             |             |     |
|               | <b>1.1</b>       | 2900          | 1261   | 40000                | 1.50      | <b>K</b>   | <b>97R57</b>  | <b>DRS</b> | <b>71S4</b> | 180         | 523 |
|               | <b>1.2</b>       | 2530          | 1102   | 40000                | 1.70      | <b>KF</b>  | <b>97R57</b>  | <b>DRS</b> | <b>71S4</b> | 200         | 523 |
|               | <b>1.4</b>       | 2220          | 957    | 40000                | 1.95      | <b>KA</b>  | <b>97R57</b>  | <b>DRS</b> | <b>71S4</b> | 160         | 523 |
|               | <b>1.6</b>       | 1980          | 855    | 40000                | 2.2       | <b>KAF</b> | <b>97R57</b>  | <b>DRS</b> | <b>71S4</b> | 185         | 523 |
|               | <b>1.9</b>       | 1640          | 743    | 40000                | 2.6       |            |               |            |             |             |     |
|               | <b>2.1</b>       | 1450          | 652    | 40000                | 3.0       |            |               |            |             |             |     |
|               | <b>2.4</b>       | 1310          | 573    | 40000                | 3.3       |            |               |            |             |             |     |
|               | <b>0.97</b>      | 3250          | 1415   | 26500                | 0.85      |            |               |            |             |             |     |
|               | <b>1.1</b>       | 2820          | 1229   | 27100                | 0.95      |            |               |            |             |             |     |
|               | <b>1.3</b>       | 2460          | 1078   | 27600                | 1.10      |            |               |            |             |             |     |
|               | <b>1.4</b>       | 2140          | 951    | 27900                | 1.25      | <b>K</b>   | <b>87R57</b>  | <b>DRS</b> | <b>71S4</b> | 120         | 523 |
|               | <b>1.6</b>       | 1870          | 837    | 28200                | 1.45      | <b>KF</b>  | <b>87R57</b>  | <b>DRS</b> | <b>71S4</b> | 130         | 523 |
|               | <b>1.9</b>       | 1620          | 726    | 28400                | 1.65      | <b>KA</b>  | <b>87R57</b>  | <b>DRS</b> | <b>71S4</b> | 110         | 523 |
|               | <b>2.2</b>       | 1440          | 638    | 28500                | 1.85      | <b>KAF</b> | <b>87R57</b>  | <b>DRS</b> | <b>71S4</b> | 120         | 523 |
|               | <b>2.5</b>       | 1250          | 562    | 28600                | 2.2       |            |               |            |             |             |     |
|               | <b>2.9</b>       | 1050          | 474    | 28800                | 2.6       |            |               |            |             |             |     |
|               | <b>3.2</b>       | 950           | 426    | 28800                | 2.8       |            |               |            |             |             |     |
|               | <b>3.7</b>       | 830           | 373    | 28900                | 3.2       |            |               |            |             |             |     |
|               | <b>1.7</b>       | 1880          | 815    | 7450                 | 0.80      |            |               |            |             |             |     |
|               | <b>2.0</b>       | 1590          | 709    | 15100                | 0.95      |            |               |            |             |             |     |
|               | <b>2.2</b>       | 1390          | 622    | 16400                | 1.10      |            |               |            |             |             |     |
|               | <b>2.5</b>       | 1250          | 552    | 17200                | 1.25      |            |               |            |             |             |     |
|               | <b>2.8</b>       | 1090          | 485    | 17900                | 1.40      |            |               |            |             |             |     |
|               | <b>3.2</b>       | 960           | 428    | 18400                | 1.60      | <b>K</b>   | <b>77R37</b>  | <b>DRS</b> | <b>71S4</b> | 72          | 523 |
|               | <b>3.8</b>       | 840           | 367    | 18900                | 1.85      | <b>KF</b>  | <b>77R37</b>  | <b>DRS</b> | <b>71S4</b> | 80          | 523 |
|               | <b>4.2</b>       | 745           | 328    | 19100                | 2.1       | <b>KA</b>  | <b>77R37</b>  | <b>DRS</b> | <b>71S4</b> | 64          | 523 |
|               | <b>4.8</b>       | 665           | 290    | 19400                | 2.3       | <b>KAF</b> | <b>77R37</b>  | <b>DRS</b> | <b>71S4</b> | 72          | 523 |
|               | <b>5.5</b>       | 570           | 252    | 19600                | 2.7       |            |               |            |             |             |     |
|               | <b>6.2</b>       | 500           | 221    | 19700                | 3.1       |            |               |            |             |             |     |
|               | <b>7.1</b>       | 440           | 195    | 19800                | 3.5       |            |               |            |             |             |     |
|               | <b>7.9</b>       | 390           | 175    | 19900                | 4.0       |            |               |            |             |             |     |
|               | <b>9.0</b>       | 345           | 154    | 19900                | 4.5       |            |               |            |             |             |     |
|               | <b>3.3</b>       | 940           | 420    | 8130                 | 0.85      |            |               |            |             |             |     |
|               | <b>3.8</b>       | 830           | 361    | 10200                | 1.00      |            |               |            |             |             |     |
|               | <b>4.3</b>       | 740           | 323    | 10900                | 1.10      |            |               |            |             |             |     |
|               | <b>5.0</b>       | 630           | 279    | 11700                | 1.30      | <b>K</b>   | <b>67R37</b>  | <b>DRS</b> | <b>71S4</b> | 48          | 523 |
|               | <b>5.6</b>       | 555           | 246    | 12100                | 1.50      | <b>KF</b>  | <b>67R37</b>  | <b>DRS</b> | <b>71S4</b> | 53          | 523 |
|               | <b>6.4</b>       | 490           | 217    | 12400                | 1.65      | <b>KA</b>  | <b>67R37</b>  | <b>DRS</b> | <b>71S4</b> | 45          | 523 |
|               | <b>7.2</b>       | 430           | 191    | 12700                | 1.90      | <b>KAF</b> | <b>67R37</b>  | <b>DRS</b> | <b>71S4</b> | 51          | 523 |
|               | <b>8.3</b>       | 370           | 166    | 12900                | 2.2       |            |               |            |             |             |     |
|               | <b>9.6</b>       | 325           | 144    | 13000                | 2.5       |            |               |            |             |             |     |
|               | <b>11</b>        | 275           | 122    | 13000                | 2.9       |            |               |            |             |             |     |
|               | <b>4.9</b>       | 630           | 280    | 7350                 | 0.95      |            |               |            |             |             |     |
|               | <b>5.6</b>       | 555           | 246    | 7980                 | 1.10      |            |               |            |             |             |     |
|               | <b>6.4</b>       | 490           | 215    | 8460                 | 1.20      |            |               |            |             |             |     |
|               | <b>7.2</b>       | 435           | 192    | 8720                 | 1.40      | <b>K</b>   | <b>57R37</b>  | <b>DRS</b> | <b>71S4</b> | 42          | 523 |
|               | <b>8.3</b>       | 375           | 166    | 8980                 | 1.60      | <b>KF</b>  | <b>57R37</b>  | <b>DRS</b> | <b>71S4</b> | 47          | 523 |
|               | <b>9.6</b>       | 330           | 145    | 9170                 | 1.80      | <b>KA</b>  | <b>57R37</b>  | <b>DRS</b> | <b>71S4</b> | 40          | 523 |
|               | <b>11</b>        | 295           | 129    | 9290                 | 2.0       | <b>KAF</b> | <b>57R37</b>  | <b>DRS</b> | <b>71S4</b> | 45          | 523 |
|               | <b>12</b>        | 250           | 111    | 9460                 | 2.4       |            |               |            |             |             |     |
|               | <b>14</b>        | 220           | 97     | 9560                 | 2.7       |            |               |            |             |             |     |
|               | <b>4.6</b>       | 770           | 197.37 | 28900                | 3.5       | <b>K</b>   | <b>87</b>     | <b>DRS</b> | <b>71M6</b> | 99          | 494 |
|               | <b>5.2</b>       | 680           | 174.19 | 28900                | 4.0       | <b>KF</b>  | <b>87</b>     | <b>DRS</b> | <b>71M6</b> | 110         | 495 |
|               |                  |               |        |                      |           | <b>KA</b>  | <b>87</b>     | <b>DRS</b> | <b>71M6</b> | 87          | 496 |
|               |                  |               |        |                      |           | <b>KAF</b> | <b>87</b>     | <b>DRS</b> | <b>71M6</b> | 100         | 495 |

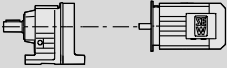


| $P_m$<br>[kW] | $n_a$<br>[1/min] | $M_a$<br>[Nm] | $i$     | $F_{Ra}^{1)}$<br>[N] | SEW $f_B$ |  |    |     |      | $m$<br>[kg] |  |
|---------------|------------------|---------------|---------|----------------------|-----------|------------------------------------------------------------------------------------|----|-----|------|-------------|-------------------------------------------------------------------------------------|
| 0.37          | 5.9              | 600           | 154.02  | 19500                | 2.6       | K                                                                                  | 77 | DRS | 71M6 | 64          | 489                                                                                 |
|               | 6.7              | 525           | 135.28  | 19600                | 2.9       | KF                                                                                 | 77 | DRS | 71M6 | 72          | 490                                                                                 |
|               | 7.0              | 500           | 128.52  | 19700                | 3.1       | KA                                                                                 | 77 | DRS | 71M6 | 56          | 491                                                                                 |
|               | 8.0              | 440           | 113.56  | 19800                | 3.5       | KAF                                                                                | 77 | DRS | 71M6 | 64          | 490                                                                                 |
|               | 7.2              | 490           | 192.18  | 19700                | 3.0       | K                                                                                  | 77 | DRS | 71S4 | 62          | 489                                                                                 |
|               | 7.7              | 455           | 179.37  | 19800                | 3.2       | KF                                                                                 | 77 | DRS | 71S4 | 71          | 490                                                                                 |
|               | 9.0              | 390           | 154.02  | 19900                | 3.9       | KA                                                                                 | 77 | DRS | 71S4 | 55          | 491                                                                                 |
|               |                  |               |         |                      |           | KAF                                                                                | 77 | DRS | 71S4 | 63          | 490                                                                                 |
|               | 7.3              | 480           | 123.54  | 12500                | 1.70      | K                                                                                  | 67 | DRS | 71M6 | 38          | 484                                                                                 |
|               | 8.4              | 420           | 108.03  | 12700                | 1.95      | KF                                                                                 | 67 | DRS | 71M6 | 43          | 485                                                                                 |
|               | 8.8              | 400           | 102.62  | 12800                | 2.0       | KA                                                                                 | 67 | DRS | 71M6 | 35          | 486                                                                                 |
|               | 10               | 350           | 90.04   | 13000                | 2.3       | KAF                                                                                | 67 | DRS | 71M6 | 41          | 485                                                                                 |
|               | 9.5              | 370           | 144.79* | 12900                | 2.2       | K                                                                                  | 67 | DRS | 71S4 | 36          | 484                                                                                 |
|               | 11               | 315           | 123.54  | 13000                | 2.6       | KF                                                                                 | 67 | DRS | 71S4 | 42          | 485                                                                                 |
|               | 13               | 275           | 108.03  | 13000                | 3.0       | KA                                                                                 | 67 | DRS | 71S4 | 34          | 486                                                                                 |
|               | 15               | 230           | 90.04   | 13000                | 3.6       | KAF                                                                                | 67 | DRS | 71S4 | 39          | 485                                                                                 |
|               | 18               | 196           | 76.37   | 13000                | 4.2       |                                                                                    |    |     |      |             |                                                                                     |
|               | 7.3              | 480           | 123.85  | 8500                 | 1.25      |                                                                                    |    |     |      |             |                                                                                     |
|               | 8.4              | 420           | 108.29  | 8780                 | 1.40      | K                                                                                  | 57 | DRS | 71M6 | 32          | 479                                                                                 |
|               | 8.8              | 400           | 102.88* | 8880                 | 1.50      | KF                                                                                 | 57 | DRS | 71M6 | 37          | 480                                                                                 |
|               | 10               | 350           | 90.26*  | 9080                 | 1.70      | KA                                                                                 | 57 | DRS | 71M6 | 30          | 481                                                                                 |
|               | 12               | 295           | 76.56*  | 9290                 | 2.0       | KAF                                                                                | 57 | DRS | 71M6 | 35          | 480                                                                                 |
|               | 13               | 265           | 69.12   | 9400                 | 2.2       |                                                                                    |    |     |      |             |                                                                                     |
|               | 9.5              | 370           | 145.14* | 9000                 | 1.60      |                                                                                    |    |     |      |             |                                                                                     |
|               | 11               | 315           | 123.85  | 9220                 | 1.90      | K                                                                                  | 57 | DRS | 71S4 | 31          | 479                                                                                 |
|               | 13               | 275           | 108.29  | 9370                 | 2.2       | KF                                                                                 | 57 | DRS | 71S4 | 35          | 480                                                                                 |
|               | 13               | 260           | 102.88* | 9420                 | 2.3       | KA                                                                                 | 57 | DRS | 71S4 | 28          | 481                                                                                 |
|               | 15               | 230           | 90.26*  | 9530                 | 2.6       | KAF                                                                                | 57 | DRS | 71S4 | 34          | 480                                                                                 |
|               | 18               | 196           | 76.56*  | 9640                 | 3.1       |                                                                                    |    |     |      |             |                                                                                     |
|               | 20               | 177           | 69.12   | 9700                 | 3.4       |                                                                                    |    |     |      |             |                                                                                     |
|               | 8.7              | 405           | 104.37  | 5720                 | 1.00      | K                                                                                  | 47 | DRS | 71M6 | 26          | 474                                                                                 |
|               | 10.0             | 350           | 90.86   | 6500                 | 1.15      | KF                                                                                 | 47 | DRS | 71M6 | 29          | 475                                                                                 |
|               | 11               | 330           | 85.12*  | 6750                 | 1.20      | KA                                                                                 | 47 | DRS | 71M6 | 25          | 476                                                                                 |
|               | 12               | 290           | 75.20*  | 7120                 | 1.35      | KAF                                                                                | 47 | DRS | 71M6 | 28          | 475                                                                                 |
|               | 10               | 335           | 131.87* | 6690                 | 1.20      | K                                                                                  | 47 | DRS | 71S4 | 25          | 474                                                                                 |
|               | 11               | 310           | 121.48* | 6960                 | 1.30      | KF                                                                                 | 47 | DRS | 71S4 | 28          | 475                                                                                 |
|               | 13               | 265           | 104.37  | 7330                 | 1.50      | KA                                                                                 | 47 | DRS | 71S4 | 24          | 476                                                                                 |
|               |                  |               |         |                      |           | KAF                                                                                | 47 | DRS | 71S4 | 27          | 475                                                                                 |
|               | 15               | 230           | 90.86   | 7580                 | 1.70      | K                                                                                  | 47 | DRS | 71S4 | 25          | 474                                                                                 |
|               | 16               | 215           | 85.12*  | 7670                 | 1.85      | KF                                                                                 | 47 | DRS | 71S4 | 28          | 475                                                                                 |
|               | 18               | 192           | 75.20*  | 7810                 | 2.1       | KA                                                                                 | 47 | DRS | 71S4 | 24          | 476                                                                                 |
|               | 20               | 179           | 69.84   | 7880                 | 2.2       | KAF                                                                                | 47 | DRS | 71S4 | 27          | 475                                                                                 |
|               | 22               | 162           | 63.30*  | 7960                 | 2.5       |                                                                                    |    |     |      |             |                                                                                     |
|               | 14               | 250           | 97.81   | 2520                 | 0.80      |                                                                                    |    |     |      |             |                                                                                     |
|               | 16               | 210           | 83.69   | 5470                 | 0.95      |                                                                                    |    |     |      |             |                                                                                     |
|               | 19               | 186           | 72.54   | 5690                 | 1.10      |                                                                                    |    |     |      |             |                                                                                     |
|               | 20               | 174           | 67.80   | 5630                 | 1.15      |                                                                                    |    |     |      |             |                                                                                     |
|               | 24               | 150           | 58.60   | 5500                 | 1.35      |                                                                                    |    |     |      |             |                                                                                     |
|               | 28               | 128           | 49.79   | 5350                 | 1.55      |                                                                                    |    |     |      |             |                                                                                     |
|               | 31               | 114           | 44.46   | 5230                 | 1.75      |                                                                                    |    |     |      |             |                                                                                     |
|               | 36               | 97            | 37.97   | 5060                 | 2.1       |                                                                                    |    |     |      |             |                                                                                     |
|               | 39               | 91            | 35.57   | 4990                 | 2.2       |                                                                                    |    |     |      |             |                                                                                     |
|               | 46               | 77            | 29.96   | 4800                 | 2.6       |                                                                                    |    |     |      |             |                                                                                     |
|               | 48               | 74            | 28.83   | 4750                 | 2.7       | K                                                                                  | 37 | DRS | 71S4 | 19          | 469                                                                                 |
|               | 55               | 64            | 24.99   | 4590                 | 3.1       | KF                                                                                 | 37 | DRS | 71S4 | 21          | 470                                                                                 |
|               | 59               | 60            | 23.36   | 4510                 | 3.3       | KA                                                                                 | 37 | DRS | 71S4 | 18          | 471                                                                                 |
|               | 68               | 52            | 20.19   | 4350                 | 3.6       | KAF                                                                                | 37 | DRS | 71S4 | 20          | 470                                                                                 |
|               | 80               | 44            | 17.15   | 4160                 | 4.1       |                                                                                    |    |     |      |             |                                                                                     |
|               | 90               | 39            | 15.31   | 4040                 | 4.5       |                                                                                    |    |     |      |             |                                                                                     |
|               | 105              | 34            | 13.08   | 3860                 | 4.9       |                                                                                    |    |     |      |             |                                                                                     |
|               | 114              | 31            | 12.14   | 3780                 | 5.1       |                                                                                    |    |     |      |             |                                                                                     |
|               | 132              | 27            | 10.49   | 3630                 | 6.0       |                                                                                    |    |     |      |             |                                                                                     |
|               | 155              | 23            | 8.91    | 3460                 | 7.0       |                                                                                    |    |     |      |             |                                                                                     |
|               | 173              | 20            | 7.96    | 3350                 | 7.6       |                                                                                    |    |     |      |             |                                                                                     |
|               | 203              | 17            | 6.80    | 3190                 | 8.6       |                                                                                    |    |     |      |             |                                                                                     |
|               | 217              | 16            | 6.37    | 3130                 | 8.9       |                                                                                    |    |     |      |             |                                                                                     |
|               | 257              | 14            | 5.36    | 2970                 | 10        |                                                                                    |    |     |      |             |                                                                                     |

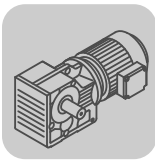


| $P_m$<br>[kW] | $n_a$<br>[1/min] | $M_a$<br>[Nm] | $i$   | $F_{Ra}^{1)}$<br>[N] | SEW $f_B$ |            |               |            |             | $m$<br>[kg] |     |
|---------------|------------------|---------------|-------|----------------------|-----------|------------|---------------|------------|-------------|-------------|-----|
| <b>0.55</b>   | <b>0.08</b>      | 54100         | 16978 | 190000               | 0.90      | <b>K</b>   | <b>187R97</b> | <b>DRS</b> | <b>71M4</b> | 1770        | 523 |
|               | <b>0.10</b>      | 45400         | 14272 | 190000               | 1.10      |            |               |            |             |             |     |
|               | <b>0.11</b>      | 41300         | 13116 | 190000               | 1.20      |            |               |            |             |             |     |
|               | <b>0.12</b>      | 36000         | 11647 | 190000               | 1.40      |            |               |            |             |             |     |
|               | <b>0.19</b>      | 23300         | 7343  | 190000               | 2.1       | <b>KH</b>  | <b>187R97</b> | <b>DRS</b> | <b>71M4</b> | 1700        | 523 |
|               | <b>0.12</b>      | 36900         | 11573 | 150000               | 0.85      |            |               |            |             |             |     |
|               | <b>0.13</b>      | 32700         | 10264 | 150000               | 1.00      |            |               |            |             |             |     |
|               | <b>0.16</b>      | 27400         | 8628  | 150000               | 1.15      |            |               |            |             |             |     |
|               | <b>0.21</b>      | 20800         | 6562  | 150000               | 1.55      | <b>KH</b>  | <b>167R97</b> | <b>DRS</b> | <b>71M4</b> | 1180        | 523 |
|               | <b>0.26</b>      | 16500         | 5355  | 150000               | 1.95      |            |               |            |             |             |     |
|               | <b>0.34</b>      | 12800         | 4079  | 150000               | 2.5       |            |               |            |             |             |     |
|               | <b>0.20</b>      | 21900         | 6881  | 110000               | 0.80      |            |               |            |             |             |     |
|               | <b>0.23</b>      | 18800         | 5931  | 111700               | 0.95      | <b>K</b>   | <b>157R97</b> | <b>DRS</b> | <b>71M4</b> | 790         | 523 |
|               | <b>0.35</b>      | 12600         | 3979  | 114500               | 1.40      | <b>KF</b>  | <b>157R97</b> | <b>DRS</b> | <b>71M4</b> | 870         | 523 |
|               | <b>0.45</b>      | 9710          | 3051  | 115400               | 1.85      | <b>KA</b>  | <b>157R97</b> | <b>DRS</b> | <b>71M4</b> | 750         | 523 |
|               | <b>0.31</b>      | 14600         | 4423  | 76600                | 0.90      | <b>KAF</b> | <b>157R97</b> | <b>DRS</b> | <b>71M4</b> | 810         | 523 |
|               | <b>0.35</b>      | 12800         | 3889  | 79200                | 1.00      | <b>K</b>   | <b>127R77</b> | <b>DRS</b> | <b>71M4</b> | 475         | 523 |
|               | <b>0.42</b>      | 10800         | 3311  | 80300                | 1.20      | <b>KF</b>  | <b>127R77</b> | <b>DRS</b> | <b>71M4</b> | 520         | 523 |
|               | <b>0.46</b>      | 9840          | 3009  | 80700                | 1.30      | <b>KA</b>  | <b>127R77</b> | <b>DRS</b> | <b>71M4</b> | 445         | 523 |
|               | <b>0.53</b>      | 8450          | 2607  | 81300                | 1.55      | <b>KAF</b> | <b>127R77</b> | <b>DRS</b> | <b>71M4</b> | 485         | 523 |
|               | <b>0.72</b>      | 6520          | 1926  | 81900                | 2.00      | <b>K</b>   | <b>127R77</b> | <b>DRS</b> | <b>71M4</b> | 470         | 523 |
|               | <b>0.79</b>      | 5940          | 1757  | 82100                | 2.2       |            |               |            |             |             |     |
|               | <b>0.90</b>      | 5180          | 1541  | 82300                | 2.5       |            |               |            |             |             |     |
|               | <b>1.0</b>       | 4540          | 1342  | 82400                | 2.9       |            |               |            |             |             |     |
|               | <b>1.2</b>       | 3950          | 1177  | 82500                | 3.3       | <b>KF</b>  | <b>127R77</b> | <b>DRS</b> | <b>71M4</b> | 510         | 523 |
|               | <b>1.4</b>       | 3460          | 1025  | 82600                | 3.8       | <b>KA</b>  | <b>127R77</b> | <b>DRS</b> | <b>71M4</b> | 445         | 523 |
|               | <b>0.46</b>      | 9950          | 2977  | 65000                | 0.80      | <b>KAF</b> | <b>127R77</b> | <b>DRS</b> | <b>71M4</b> | 480         | 523 |
|               | <b>0.53</b>      | 8690          | 2599  | 65000                | 0.90      | <b>K</b>   | <b>107R77</b> | <b>DRS</b> | <b>71M4</b> | 315         | 523 |
|               | <b>0.60</b>      | 7590          | 2286  | 65000                | 1.05      | <b>KF</b>  | <b>107R77</b> | <b>DRS</b> | <b>71M4</b> | 325         | 523 |
|               | <b>0.71</b>      | 6440          | 1939  | 65000                | 1.25      | <b>KA</b>  | <b>107R77</b> | <b>DRS</b> | <b>71M4</b> | 285         | 523 |
|               | <b>0.81</b>      | 5820          | 1713  | 65000                | 1.35      | <b>KAF</b> | <b>107R77</b> | <b>DRS</b> | <b>71M4</b> | 310         | 523 |
|               | <b>0.89</b>      | 5280          | 1554  | 65000                | 1.50      | <b>K</b>   | <b>107R77</b> | <b>DRS</b> | <b>71M4</b> | 310         | 523 |
|               | <b>1.0</b>       | 4540          | 1336  | 65000                | 1.75      |            |               |            |             |             |     |
|               | <b>1.2</b>       | 3960          | 1166  | 65000                | 2.0       |            |               |            |             |             |     |
|               | <b>1.3</b>       | 3400          | 1030  | 65000                | 2.4       |            |               |            |             |             |     |
|               | <b>1.5</b>       | 2960          | 904   | 65000                | 2.7       |            |               |            |             |             |     |
|               | <b>1.7</b>       | 2680          | 793   | 65000                | 3.0       |            |               |            |             |             |     |
|               | <b>2.0</b>       | 2330          | 696   | 65000                | 3.4       |            |               |            |             |             |     |
|               | <b>2.2</b>       | 2010          | 615   | 65000                | 4.0       |            |               |            |             |             |     |
|               | <b>0.96</b>      | 4860          | 1430  | 40000                | 0.90      | <b>K</b>   | <b>97R57</b>  | <b>DRS</b> | <b>71M4</b> | 180         | 523 |
|               | <b>1.1</b>       | 4360          | 1261  | 40000                | 1.00      |            |               |            |             |             |     |
|               | <b>1.2</b>       | 3810          | 1102  | 40000                | 1.15      |            |               |            |             |             |     |
|               | <b>1.4</b>       | 3340          | 957   | 40000                | 1.30      |            |               |            |             |             |     |
|               | <b>1.6</b>       | 2990          | 855   | 40000                | 1.45      |            |               |            |             |             |     |
|               | <b>1.9</b>       | 2500          | 743   | 40000                | 1.70      |            |               |            |             |             |     |
|               | <b>2.1</b>       | 2210          | 652   | 40000                | 1.95      |            |               |            |             |             |     |
|               | <b>2.4</b>       | 1980          | 573   | 40000                | 2.2       |            |               |            |             |             |     |
|               | <b>2.7</b>       | 1690          | 504   | 40000                | 2.5       |            |               |            |             |             |     |
|               | <b>3.2</b>       | 1450          | 437   | 40000                | 3.0       |            |               |            |             |             |     |
|               | <b>3.6</b>       | 1300          | 382   | 40000                | 3.3       |            |               |            |             |             |     |
|               | <b>4.5</b>       | 1040          | 305   | 40000                | 4.1       |            |               |            |             |             |     |
|               | <b>1.4</b>       | 3250          | 951   | 26500                | 0.85      | <b>K</b>   | <b>87R57</b>  | <b>DRS</b> | <b>71M4</b> | 120         | 523 |
|               | <b>1.6</b>       | 2840          | 837   | 27100                | 0.95      |            |               |            |             |             |     |
|               | <b>1.9</b>       | 2470          | 726   | 27600                | 1.10      |            |               |            |             |             |     |
|               | <b>2.2</b>       | 2180          | 638   | 27900                | 1.25      |            |               |            |             |             |     |
|               | <b>2.5</b>       | 1910          | 562   | 28100                | 1.40      |            |               |            |             |             |     |
|               | <b>2.9</b>       | 1610          | 474   | 28400                | 1.70      |            |               |            |             |             |     |
|               | <b>3.2</b>       | 1440          | 426   | 28500                | 1.85      |            |               |            |             |             |     |
|               | <b>3.7</b>       | 1270          | 373   | 28600                | 2.1       |            |               |            |             |             |     |
|               | <b>4.2</b>       | 1100          | 330   | 28700                | 2.4       |            |               |            |             |             |     |
|               | <b>4.7</b>       | 990           | 294   | 28800                | 2.7       |            |               |            |             |             |     |
|               | <b>5.5</b>       | 860           | 250   | 28900                | 3.1       |            |               |            |             |             |     |
|               | <b>5.8</b>       | 810           | 236   | 28900                | 3.3       |            |               |            |             |             |     |
|               | <b>6.9</b>       | 685           | 201   | 28900                | 3.9       |            |               |            |             |             |     |



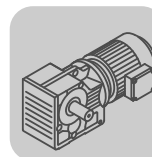
| $P_m$<br>[kW] | $n_a$<br>[1/min] | $M_a$<br>[Nm] | $i$     | $F_{Ra}^{1)}$<br>[N] | SEW $f_B$ |  |       |     |      | $m$<br>[kg] |  |
|---------------|------------------|---------------|---------|----------------------|-----------|------------------------------------------------------------------------------------|-------|-----|------|-------------|-------------------------------------------------------------------------------------|
| 0.55          | 2.8              | 1660          | 485     | 14600                | 0.95      |                                                                                    |       |     |      |             |                                                                                     |
|               | 3.2              | 1460          | 428     | 16000                | 1.05      |                                                                                    |       |     |      |             |                                                                                     |
|               | 3.8              | 1260          | 367     | 17100                | 1.20      |                                                                                    |       |     |      |             |                                                                                     |
|               | 4.2              | 1120          | 328     | 17800                | 1.35      | K                                                                                  | 77R37 | DRS | 71M4 | 73          | 523                                                                                 |
|               | 4.8              | 1000          | 290     | 18300                | 1.55      | KF                                                                                 | 77R37 | DRS | 71M4 | 81          | 523                                                                                 |
|               | 5.5              | 860           | 252     | 18800                | 1.80      | KA                                                                                 | 77R37 | DRS | 71M4 | 65          | 523                                                                                 |
|               | 6.2              | 755           | 221     | 19100                | 2.0       | KAF                                                                                | 77R37 | DRS | 71M4 | 73          | 523                                                                                 |
|               | 7.1              | 665           | 195     | 19300                | 2.3       |                                                                                    |       |     |      |             |                                                                                     |
|               | 7.9              | 595           | 175     | 19500                | 2.6       |                                                                                    |       |     |      |             |                                                                                     |
|               | 9.0              | 525           | 154     | 19600                | 3.0       |                                                                                    |       |     |      |             |                                                                                     |
|               | 5.0              | 950           | 279     | 7650                 | 0.85      |                                                                                    |       |     |      |             |                                                                                     |
|               | 5.6              | 840           | 246     | 10100                | 0.95      | K                                                                                  | 67R37 | DRS | 71M4 | 49          | 523                                                                                 |
|               | 6.4              | 745           | 217     | 10900                | 1.10      | KF                                                                                 | 67R37 | DRS | 71M4 | 54          | 523                                                                                 |
|               | 7.2              | 655           | 191     | 11600                | 1.25      | KA                                                                                 | 67R37 | DRS | 71M4 | 46          | 523                                                                                 |
|               | 8.3              | 565           | 166     | 12100                | 1.45      | KAF                                                                                | 67R37 | DRS | 71M4 | 52          | 523                                                                                 |
|               | 9.6              | 495           | 144     | 12400                | 1.65      |                                                                                    |       |     |      |             |                                                                                     |
|               | 11               | 420           | 122     | 12700                | 1.95      |                                                                                    |       |     |      |             |                                                                                     |
|               | 7.2              | 655           | 192     | 5460                 | 0.90      |                                                                                    |       |     |      |             |                                                                                     |
|               | 8.3              | 570           | 166     | 7870                 | 1.05      | K                                                                                  | 57R37 | DRS | 71M4 | 43          | 523                                                                                 |
|               | 9.6              | 500           | 145     | 8420                 | 1.20      | KF                                                                                 | 57R37 | DRS | 71M4 | 48          | 523                                                                                 |
|               | 11               | 445           | 129     | 8660                 | 1.35      | KA                                                                                 | 57R37 | DRS | 71M4 | 41          | 523                                                                                 |
|               | 12               | 380           | 111     | 8960                 | 1.55      | KAF                                                                                | 57R37 | DRS | 71M4 | 47          | 523                                                                                 |
|               | 14               | 335           | 97      | 9140                 | 1.80      |                                                                                    |       |     |      |             |                                                                                     |
|               | 4.6              | 1130          | 197.37  | 28700                | 2.4       | K                                                                                  | 87    | DRS | 80S6 | 100         | 494                                                                                 |
|               | 5.2              | 990           | 174.19  | 28800                | 2.7       | KF                                                                                 | 87    | DRS | 80S6 | 110         | 495                                                                                 |
|               | 5.6              | 940           | 164.34* | 28800                | 2.9       | KA                                                                                 | 87    | DRS | 80S6 | 90          | 496                                                                                 |
|               | 6.2              | 840           | 147.32* | 28900                | 3.2       | KAF                                                                                | 87    | DRS | 80S6 | 105         | 495                                                                                 |
|               | 5.9              | 880           | 154.02  | 18700                | 1.75      | K                                                                                  | 77    | DRS | 80S6 | 66          | 489                                                                                 |
|               | 6.8              | 775           | 135.28  | 19100                | 2.0       | KF                                                                                 | 77    | DRS | 80S6 | 74          | 490                                                                                 |
|               | 7.1              | 735           | 128.52  | 19200                | 2.1       | KA                                                                                 | 77    | DRS | 80S6 | 59          | 491                                                                                 |
|               | 8.1              | 650           | 113.56  | 19400                | 2.4       | KAF                                                                                | 77    | DRS | 80S6 | 66          | 490                                                                                 |
|               | 9.0              | 585           | 154.02  | 19500                | 2.6       |                                                                                    |       |     |      |             |                                                                                     |
|               | 10               | 510           | 135.28  | 19700                | 3.0       | K                                                                                  | 77    | DRS | 71M4 | 64          | 489                                                                                 |
|               | 11               | 485           | 128.52  | 19700                | 3.2       | KF                                                                                 | 77    | DRS | 71M4 | 72          | 490                                                                                 |
|               | 12               | 430           | 113.56  | 19800                | 3.6       | KA                                                                                 | 77    | DRS | 71M4 | 56          | 491                                                                                 |
|               | 14               | 365           | 97.05   | 19900                | 4.2       | KAF                                                                                | 77    | DRS | 71M4 | 64          | 490                                                                                 |
|               | 7.4              | 705           | 123.54  | 11200                | 1.15      | K                                                                                  | 67    | DRS | 80S6 | 40          | 484                                                                                 |
|               | 8.5              | 620           | 108.03  | 11800                | 1.30      | KF                                                                                 | 67    | DRS | 80S6 | 46          | 485                                                                                 |
|               | 8.9              | 585           | 102.62  | 12000                | 1.40      | KA                                                                                 | 67    | DRS | 80S6 | 37          | 486                                                                                 |
|               | 10               | 515           | 90.04   | 12300                | 1.60      | KAF                                                                                | 67    | DRS | 80S6 | 43          | 485                                                                                 |
|               | 12               | 435           | 76.37   | 12700                | 1.85      | K                                                                                  | 67    | DRS | 80S6 | 40          | 484                                                                                 |
|               |                  |               |         |                      |           | KF                                                                                 | 67    | DRS | 80S6 | 46          | 485                                                                                 |
|               |                  |               |         |                      |           | KA                                                                                 | 67    | DRS | 80S6 | 37          | 486                                                                                 |
|               |                  |               |         |                      |           | KAF                                                                                | 67    | DRS | 80S6 | 43          | 485                                                                                 |
|               | 11               | 470           | 123.54  | 12500                | 1.75      | K                                                                                  | 67    | DRS | 71M4 | 38          | 484                                                                                 |
|               | 13               | 410           | 108.03  | 12800                | 2.00      | KF                                                                                 | 67    | DRS | 71M4 | 43          | 485                                                                                 |
|               | 15               | 340           | 90.04   | 13000                | 2.4       | KA                                                                                 | 67    | DRS | 71M4 | 35          | 486                                                                                 |
|               | 18               | 290           | 76.37   | 13000                | 2.8       | KAF                                                                                | 67    | DRS | 71M4 | 41          | 485                                                                                 |
|               | 8.4              | 620           | 108.29  | 7450                 | 0.95      |                                                                                    |       |     |      |             |                                                                                     |
|               | 8.9              | 590           | 102.88* | 7710                 | 1.00      | K                                                                                  | 57    | DRS | 80S6 | 34          | 479                                                                                 |
|               | 10               | 515           | 90.26*  | 8280                 | 1.15      | KF                                                                                 | 57    | DRS | 80S6 | 39          | 480                                                                                 |
|               | 12               | 435           | 76.56*  | 8710                 | 1.35      | KA                                                                                 | 57    | DRS | 80S6 | 32          | 481                                                                                 |
|               | 13               | 395           | 69.12   | 8900                 | 1.50      | KAF                                                                                | 57    | DRS | 80S6 | 38          | 480                                                                                 |
|               | 15               | 345           | 60.81*  | 9100                 | 1.70      |                                                                                    |       |     |      |             |                                                                                     |
|               | 16               | 325           | 57.42*  | 9170                 | 1.80      |                                                                                    |       |     |      |             |                                                                                     |
|               | 11               | 470           | 123.85  | 8560                 | 1.25      |                                                                                    |       |     |      |             |                                                                                     |
|               | 13               | 410           | 108.29  | 8830                 | 1.45      |                                                                                    |       |     |      |             |                                                                                     |
|               | 13               | 390           | 102.88* | 8920                 | 1.55      | K                                                                                  | 57    | DRS | 71M4 | 32          | 479                                                                                 |
|               | 15               | 340           | 90.26*  | 9120                 | 1.75      | KF                                                                                 | 57    | DRS | 71M4 | 37          | 480                                                                                 |
|               | 18               | 290           | 76.56*  | 9320                 | 2.1       | KA                                                                                 | 57    | DRS | 71M4 | 30          | 481                                                                                 |
|               | 20               | 260           | 69.12   | 9420                 | 2.3       | KAF                                                                                | 57    | DRS | 71M4 | 35          | 480                                                                                 |
|               | 23               | 230           | 60.81*  | 9530                 | 2.6       |                                                                                    |       |     |      |             |                                                                                     |
|               | 24               | 215           | 57.42*  | 9570                 | 2.8       |                                                                                    |       |     |      |             |                                                                                     |
|               | 13               | 395           | 104.37  | 5960                 | 1.00      | K                                                                                  | 47    | DRS | 71M4 | 26          | 474                                                                                 |
|               | 15               | 345           | 90.86   | 6600                 | 1.15      | KF                                                                                 | 47    | DRS | 71M4 | 29          | 475                                                                                 |
|               | 16               | 320           | 85.12*  | 6830                 | 1.25      | KA                                                                                 | 47    | DRS | 71M4 | 25          | 476                                                                                 |
|               | 18               | 285           | 75.20*  | 7180                 | 1.40      | KAF                                                                                | 47    | DRS | 71M4 | 28          | 475                                                                                 |
|               | 20               | 265           | 69.84   | 7340                 | 1.50      |                                                                                    |       |     |      |             |                                                                                     |

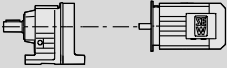


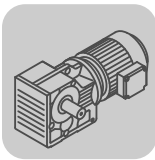


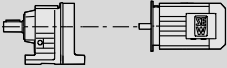
| $P_m$<br>[kW] | $n_a$<br>[1/min] | $M_a$<br>[Nm] | i      | $F_{Ra}^{1)}$<br>[N] | SEW $f_B$ |  |                                      |                          |                              | m<br>[kg]                |  |     |    |     |      |    |     |
|---------------|------------------|---------------|--------|----------------------|-----------|------------------------------------------------------------------------------------|--------------------------------------|--------------------------|------------------------------|--------------------------|-------------------------------------------------------------------------------------|-----|----|-----|------|----|-----|
| 0.55          | 22               | 240           | 63.30* | 7520                 | 1.65      | K                                                                                  | 47                                   | DRS                      | 71M4                         | 26                       | 474                                                                                 |     |    |     |      |    |     |
|               | 24               | 215           | 56.83  | 7680                 | 1.85      | KF                                                                                 | 47                                   | DRS                      | 71M4                         | 29                       | 475                                                                                 |     |    |     |      |    |     |
|               | 28               | 186           | 48.95* | 7840                 | 2.2       | KA                                                                                 | 47                                   | DRS                      | 71M4                         | 25                       | 476                                                                                 |     |    |     |      |    |     |
|               | 30               | 175           | 46.03* | 7900                 | 2.3       | KAF                                                                                | 47                                   | DRS                      | 71M4                         | 28                       | 475                                                                                 |     |    |     |      |    |     |
|               | 24               | 220           | 58.60  | 4840                 | 0.90      |                                                                                    |                                      |                          |                              |                          |                                                                                     |     |    |     |      |    |     |
|               | 28               | 190           | 49.79  | 4780                 | 1.05      |                                                                                    |                                      |                          |                              |                          |                                                                                     |     |    |     |      |    |     |
|               | 31               | 169           | 44.46  | 4730                 | 1.20      |                                                                                    |                                      |                          |                              |                          |                                                                                     |     |    |     |      |    |     |
|               | 36               | 144           | 37.97  | 4630                 | 1.40      |                                                                                    |                                      |                          |                              |                          |                                                                                     |     |    |     |      |    |     |
|               | 39               | 135           | 35.57  | 4580                 | 1.50      |                                                                                    |                                      |                          |                              |                          |                                                                                     |     |    |     |      |    |     |
|               | 46               | 114           | 29.96  | 4460                 | 1.75      |                                                                                    |                                      |                          |                              |                          |                                                                                     |     |    |     |      |    |     |
|               | 48               | 110           | 28.83  | 4420                 | 1.80      |                                                                                    |                                      |                          |                              |                          |                                                                                     |     |    |     |      |    |     |
|               | 55               | 95            | 24.99  | 4310                 | 2.1       |                                                                                    |                                      |                          |                              |                          |                                                                                     |     |    |     |      |    |     |
|               | 59               | 89            | 23.36  | 4250                 | 2.2       |                                                                                    |                                      |                          |                              |                          |                                                                                     |     |    |     |      |    |     |
|               | 68               | 77            | 20.19  | 4120                 | 2.4       |                                                                                    |                                      |                          |                              |                          |                                                                                     | K   | 37 | DRS | 71M4 | 20 | 469 |
|               | 80               | 65            | 17.15  | 3970                 | 2.8       |                                                                                    |                                      |                          |                              |                          |                                                                                     | KF  | 37 | DRS | 71M4 | 22 | 470 |
|               | 90               | 58            | 15.31  | 3860                 | 3.0       |                                                                                    |                                      |                          |                              |                          |                                                                                     | KA  | 37 | DRS | 71M4 | 20 | 471 |
|               | 105              | 50            | 13.08  | 3720                 | 3.3       |                                                                                    |                                      |                          |                              |                          |                                                                                     | KAF | 37 | DRS | 71M4 | 21 | 470 |
|               | 114              | 46            | 12.14  | 3650                 | 3.5       |                                                                                    |                                      |                          |                              |                          |                                                                                     |     |    |     |      |    |     |
|               | 132              | 40            | 10.49  | 3510                 | 4.0       |                                                                                    |                                      |                          |                              |                          |                                                                                     |     |    |     |      |    |     |
|               | 155              | 34            | 8.91   | 3360                 | 4.7       |                                                                                    |                                      |                          |                              |                          |                                                                                     |     |    |     |      |    |     |
|               | 173              | 30            | 7.96   | 3260                 | 5.1       |                                                                                    |                                      |                          |                              |                          |                                                                                     |     |    |     |      |    |     |
|               | 203              | 26            | 6.80   | 3120                 | 5.8       |                                                                                    |                                      |                          |                              |                          |                                                                                     |     |    |     |      |    |     |
|               | 217              | 24            | 6.37   | 3060                 | 6.0       |                                                                                    |                                      |                          |                              |                          |                                                                                     |     |    |     |      |    |     |
|               | 257              | 20            | 5.36   | 2910                 | 6.9       |                                                                                    |                                      |                          |                              |                          |                                                                                     |     |    |     |      |    |     |
|               | 347              | 15            | 3.98   | 2670                 | 8.3       |                                                                                    |                                      |                          |                              |                          |                                                                                     |     |    |     |      |    |     |
| 0.75          | 0.11             | 56600         | 13116  | 190000               | 0.90      | K<br>KH                                                                            | 187R97<br>187R97                     | DRS<br>DRS               | 80S4<br>80S4                 | 1770<br>1700             | 523<br>523                                                                          |     |    |     |      |    |     |
|               | 0.12             | 49600         | 11647  | 190000               | 1.00      |                                                                                    |                                      |                          |                              |                          |                                                                                     |     |    |     |      |    |     |
|               | 0.19             | 31900         | 7343   | 190000               | 1.55      |                                                                                    |                                      |                          |                              |                          |                                                                                     |     |    |     |      |    |     |
|               | 0.21             | 29100         | 6747   | 190000               | 1.70      |                                                                                    |                                      |                          |                              |                          |                                                                                     |     |    |     |      |    |     |
|               | 0.24             | 25500         | 5991   | 190000               | 1.95      |                                                                                    |                                      |                          |                              |                          |                                                                                     |     |    |     |      |    |     |
|               | 0.16             | 37500         | 8628   | 150000               | 0.85      | K<br>KH                                                                            | 167R97<br>167R97                     | DRS<br>DRS               | 80S4<br>80S4                 | 1190<br>1150             | 523<br>523                                                                          |     |    |     |      |    |     |
|               | 0.21             | 28500         | 6562   | 150000               | 1.10      |                                                                                    |                                      |                          |                              |                          |                                                                                     |     |    |     |      |    |     |
|               | 0.26             | 22800         | 5355   | 150000               | 1.40      |                                                                                    |                                      |                          |                              |                          |                                                                                     |     |    |     |      |    |     |
|               | 0.35             | 17600         | 4079   | 150000               | 1.80      |                                                                                    |                                      |                          |                              |                          |                                                                                     |     |    |     |      |    |     |
|               | 0.42             | 14600         | 3376   | 150000               | 2.2       |                                                                                    |                                      |                          |                              |                          |                                                                                     |     |    |     |      |    |     |
|               | 0.35             | 17300         | 3979   | 112500               | 1.05      | K<br>KF<br>KA<br>KAF                                                               | 157R97<br>157R97<br>157R97<br>157R97 | DRS<br>DRS<br>DRS<br>DRS | 80S4<br>80S4<br>80S4<br>80S4 | 790<br>870<br>760<br>810 | 523<br>523<br>523<br>523                                                            |     |    |     |      |    |     |
|               | 0.46             | 13200         | 3051   | 114200               | 1.35      |                                                                                    |                                      |                          |                              |                          |                                                                                     |     |    |     |      |    |     |
|               |                  |               |        |                      |           |                                                                                    |                                      |                          |                              |                          |                                                                                     |     |    |     |      |    |     |
|               |                  |               |        |                      |           |                                                                                    |                                      |                          |                              |                          |                                                                                     |     |    |     |      |    |     |
|               |                  |               |        |                      |           |                                                                                    |                                      |                          |                              |                          |                                                                                     |     |    |     |      |    |     |
|               | 0.85             | 7310          | 1659   | 115900               | 2.5       | K<br>KF<br>KA<br>KAF                                                               | 157R97<br>157R97<br>157R97<br>157R97 | DRS<br>DRS<br>DRS<br>DRS | 80S4<br>80S4<br>80S4<br>80S4 | 790<br>870<br>750<br>810 | 523<br>523<br>523<br>523                                                            |     |    |     |      |    |     |
|               | 1.0              | 5890          | 1365   | 116200               | 3.1       |                                                                                    |                                      |                          |                              |                          |                                                                                     |     |    |     |      |    |     |
|               |                  |               |        |                      |           |                                                                                    |                                      |                          |                              |                          |                                                                                     |     |    |     |      |    |     |
|               |                  |               |        |                      |           |                                                                                    |                                      |                          |                              |                          |                                                                                     |     |    |     |      |    |     |
|               |                  |               |        |                      |           |                                                                                    |                                      |                          |                              |                          |                                                                                     |     |    |     |      |    |     |
|               | 0.43             | 14700         | 3311   | 76400                | 0.90      | K<br>KF<br>KA<br>KAF                                                               | 127R77<br>127R77<br>127R77<br>127R77 | DRS<br>DRS<br>DRS<br>DRS | 80S4<br>80S4<br>80S4<br>80S4 | 475<br>520<br>450<br>485 | 523<br>523<br>523<br>523                                                            |     |    |     |      |    |     |
|               | 0.47             | 13300         | 3009   | 79000                | 0.95      |                                                                                    |                                      |                          |                              |                          |                                                                                     |     |    |     |      |    |     |
|               | 0.54             | 11500         | 2607   | 80000                | 1.15      |                                                                                    |                                      |                          |                              |                          |                                                                                     |     |    |     |      |    |     |
|               |                  |               |        |                      |           |                                                                                    |                                      |                          |                              |                          |                                                                                     |     |    |     |      |    |     |
|               |                  |               |        |                      |           |                                                                                    |                                      |                          |                              |                          |                                                                                     |     |    |     |      |    |     |
|               | 0.73             | 8810          | 1926   | 81200                | 1.50      | K<br>KF<br>KA<br>KAF                                                               | 127R77<br>127R77<br>127R77<br>127R77 | DRS<br>DRS<br>DRS<br>DRS | 80S4<br>80S4<br>80S4<br>80S4 | 475<br>520<br>445<br>485 | 523<br>523<br>523<br>523                                                            |     |    |     |      |    |     |
|               | 0.80             | 8030          | 1757   | 81400                | 1.60      |                                                                                    |                                      |                          |                              |                          |                                                                                     |     |    |     |      |    |     |
|               | 0.91             | 7010          | 1541   | 81800                | 1.85      |                                                                                    |                                      |                          |                              |                          |                                                                                     |     |    |     |      |    |     |
|               | 1.0              | 6130          | 1342   | 82000                | 2.1       |                                                                                    |                                      |                          |                              |                          |                                                                                     |     |    |     |      |    |     |
|               | 1.2              | 5350          | 1177   | 82200                | 2.4       |                                                                                    |                                      |                          |                              |                          |                                                                                     |     |    |     |      |    |     |
|               | 1.4              | 4680          | 1025   | 82400                | 2.8       |                                                                                    |                                      |                          |                              |                          |                                                                                     |     |    |     |      |    |     |
|               | 1.6              | 4090          | 899    | 82500                | 3.2       |                                                                                    |                                      |                          |                              |                          |                                                                                     |     |    |     |      |    |     |
|               | 0.82             | 7860          | 1713   | 65000                | 1.00      | K<br>KF<br>KA<br>KAF                                                               | 107R77<br>107R77<br>107R77<br>107R77 | DRS<br>DRS<br>DRS<br>DRS | 80S4<br>80S4<br>80S4<br>80S4 | 315<br>325<br>285<br>310 | 523<br>523<br>523<br>523                                                            |     |    |     |      |    |     |
|               | 0.91             | 7130          | 1554   | 65000                | 1.10      |                                                                                    |                                      |                          |                              |                          |                                                                                     |     |    |     |      |    |     |
|               | 1.1              | 6130          | 1336   | 65000                | 1.30      |                                                                                    |                                      |                          |                              |                          |                                                                                     |     |    |     |      |    |     |
|               | 1.2              | 5350          | 1166   | 65000                | 1.50      |                                                                                    |                                      |                          |                              |                          |                                                                                     |     |    |     |      |    |     |
|               | 1.4              | 4630          | 1030   | 65000                | 1.75      |                                                                                    |                                      |                          |                              |                          |                                                                                     |     |    |     |      |    |     |
|               | 1.6              | 4030          | 904    | 65000                | 2.00      |                                                                                    |                                      |                          |                              |                          |                                                                                     |     |    |     |      |    |     |
|               | 1.8              | 3620          | 793    | 65000                | 2.2       |                                                                                    |                                      |                          |                              |                          |                                                                                     |     |    |     |      |    |     |
|               | 2.0              | 3160          | 696    | 65000                | 2.5       |                                                                                    |                                      |                          |                              |                          |                                                                                     |     |    |     |      |    |     |
|               | 2.3              | 2740          | 615    | 65000                | 2.9       |                                                                                    |                                      |                          |                              |                          |                                                                                     |     |    |     |      |    |     |

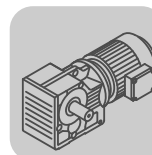


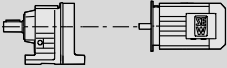


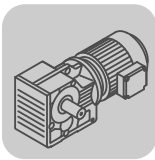
| P <sub>m</sub><br>[kW] | n <sub>a</sub><br>[1/min] | M <sub>a</sub><br>[Nm] | i       | F <sub>Ra</sub> <sup>1)</sup><br>[N] | SEW f <sub>B</sub> |  |       |     |      | m<br>[kg] |  |
|------------------------|---------------------------|------------------------|---------|--------------------------------------|--------------------|------------------------------------------------------------------------------------|-------|-----|------|-----------|-------------------------------------------------------------------------------------|
| 0.75                   | 1.3                       | 5120                   | 1102    | 39800                                | 0.85               |                                                                                    |       |     |      |           |                                                                                     |
|                        | 1.5                       | 4490                   | 957     | 40000                                | 0.95               |                                                                                    |       |     |      |           |                                                                                     |
|                        | 1.6                       | 4010                   | 855     | 40000                                | 1.05               |                                                                                    |       |     |      |           |                                                                                     |
|                        | 1.9                       | 3390                   | 743     | 40000                                | 1.25               |                                                                                    |       |     |      |           |                                                                                     |
|                        | 2.2                       | 2980                   | 652     | 40000                                | 1.45               |                                                                                    |       |     |      |           |                                                                                     |
|                        | 2.5                       | 2670                   | 573     | 40000                                | 1.60               | K                                                                                  | 97R57 | DRS | 80S4 | 185       | 523                                                                                 |
|                        | 2.8                       | 2290                   | 504     | 40000                                | 1.85               | KF                                                                                 | 97R57 | DRS | 80S4 | 205       | 523                                                                                 |
|                        | 3.2                       | 1970                   | 437     | 40000                                | 2.2                | KA                                                                                 | 97R57 | DRS | 80S4 | 165       | 523                                                                                 |
|                        | 3.7                       | 1750                   | 382     | 40000                                | 2.4                | KAF                                                                                | 97R57 | DRS | 80S4 | 190       | 523                                                                                 |
|                        | 4.6                       | 1410                   | 305     | 40000                                | 3.0                |                                                                                    |       |     |      |           |                                                                                     |
|                        | 5.5                       | 1190                   | 258     | 40000                                | 3.6                |                                                                                    |       |     |      |           |                                                                                     |
|                        | 6.1                       | 1070                   | 232     | 40000                                | 4.0                |                                                                                    |       |     |      |           |                                                                                     |
|                        | 7.1                       | 910                    | 199     | 40000                                | 4.7                |                                                                                    |       |     |      |           |                                                                                     |
|                        | 1.9                       | 3330                   | 726     | 26400                                | 0.80               |                                                                                    |       |     |      |           |                                                                                     |
|                        | 2.2                       | 2940                   | 638     | 27000                                | 0.90               |                                                                                    |       |     |      |           |                                                                                     |
|                        | 2.5                       | 2570                   | 562     | 27400                                | 1.05               |                                                                                    |       |     |      |           |                                                                                     |
|                        | 3.0                       | 2170                   | 474     | 27900                                | 1.25               |                                                                                    |       |     |      |           |                                                                                     |
|                        | 3.3                       | 1950                   | 426     | 28100                                | 1.40               | K                                                                                  | 87R57 | DRS | 80S4 | 125       | 523                                                                                 |
|                        | 3.8                       | 1710                   | 373     | 28300                                | 1.55               | KF                                                                                 | 87R57 | DRS | 80S4 | 135       | 523                                                                                 |
|                        | 4.3                       | 1500                   | 330     | 28500                                | 1.80               | KA                                                                                 | 87R57 | DRS | 80S4 | 110       | 523                                                                                 |
|                        | 4.8                       | 1340                   | 294     | 28600                                | 2.0                | KAF                                                                                | 87R57 | DRS | 80S4 | 125       | 523                                                                                 |
|                        | 5.6                       | 1160                   | 250     | 28700                                | 2.3                |                                                                                    |       |     |      |           |                                                                                     |
|                        | 6.0                       | 1090                   | 236     | 28700                                | 2.5                |                                                                                    |       |     |      |           |                                                                                     |
|                        | 7.0                       | 920                    | 201     | 28800                                | 2.9                |                                                                                    |       |     |      |           |                                                                                     |
|                        | 3.8                       | 1700                   | 367     | 14200                                | 0.90               | K                                                                                  | 77R37 | DRS | 80S4 | 75        | 523                                                                                 |
|                        | 4.3                       | 1510                   | 328     | 15600                                | 1.00               | KF                                                                                 | 77R37 | DRS | 80S4 | 83        | 523                                                                                 |
|                        | 4.9                       | 1340                   | 290     | 16700                                | 1.15               | KA                                                                                 | 77R37 | DRS | 80S4 | 68        | 523                                                                                 |
|                        | 5.6                       | 1160                   | 252     | 17600                                | 1.35               | KAF                                                                                | 77R37 | DRS | 80S4 | 76        | 523                                                                                 |
|                        | 6.4                       | 1020                   | 221     | 18200                                | 1.50               |                                                                                    |       |     |      |           |                                                                                     |
|                        | 5.2                       | 1360                   | 174.19  | 28600                                | 2.00               | K                                                                                  | 87    | DRS | 80M6 | 105       | 494                                                                                 |
|                        | 5.6                       | 1280                   | 164.34* | 28600                                | 2.1                | KF                                                                                 | 87    | DRS | 80M6 | 115       | 495                                                                                 |
|                        | 6.2                       | 1150                   | 147.32* | 28700                                | 2.3                | KA                                                                                 | 87    | DRS | 80M6 | 92        | 496                                                                                 |
|                        | 7.2                       | 990                    | 126.91* | 28800                                | 2.7                | KAF                                                                                | 87    | DRS | 80M6 | 105       | 495                                                                                 |
|                        | 7.1                       | 1000                   | 197.37  | 28800                                | 2.7                | K                                                                                  | 87    | DRS | 80S4 | 100       | 494                                                                                 |
|                        | 8.1                       | 880                    | 174.19  | 28800                                | 3.0                | KF                                                                                 | 87    | DRS | 80S4 | 110       | 495                                                                                 |
|                        | 8.6                       | 830                    | 164.34* | 28900                                | 3.2                | KA                                                                                 | 87    | DRS | 80S4 | 90        | 496                                                                                 |
|                        | 9.6                       | 745                    | 147.32* | 28900                                | 3.6                | KAF                                                                                | 87    | DRS | 80S4 | 105       | 495                                                                                 |
|                        | 6.8                       | 1050                   | 135.28  | 18100                                | 1.45               | K                                                                                  | 77    | DRS | 80M6 | 69        | 489                                                                                 |
|                        | 7.1                       | 1000                   | 128.52  | 18300                                | 1.55               | KF                                                                                 | 77    | DRS | 80M6 | 77        | 490                                                                                 |
|                        | 8.1                       | 880                    | 113.56  | 18700                                | 1.75               | KA                                                                                 | 77    | DRS | 80M6 | 61        | 491                                                                                 |
|                        |                           |                        |         |                                      |                    | KAF                                                                                | 77    | DRS | 80M6 | 69        | 490                                                                                 |
|                        |                           |                        |         |                                      |                    | K                                                                                  | 77    | DRS | 80M6 | 69        | 489                                                                                 |
|                        | 9.4                       | 755                    | 97.05   | 19100                                | 2.0                | KF                                                                                 | 77    | DRS | 80M6 | 77        | 490                                                                                 |
|                        | 10                        | 695                    | 88.97   | 19300                                | 2.2                | KA                                                                                 | 77    | DRS | 80M6 | 61        | 491                                                                                 |
|                        |                           |                        |         |                                      |                    | KAF                                                                                | 77    | DRS | 80M6 | 69        | 490                                                                                 |
|                        | 9.2                       | 780                    | 154.02  | 19000                                | 2.00               | K                                                                                  | 77    | DRS | 80S4 | 66        | 489                                                                                 |
|                        | 10                        | 685                    | 135.28  | 19300                                | 2.3                | KF                                                                                 | 77    | DRS | 80S4 | 74        | 490                                                                                 |
|                        | 11                        | 650                    | 128.52  | 19400                                | 2.4                | KA                                                                                 | 77    | DRS | 80S4 | 59        | 491                                                                                 |
|                        | 12                        | 575                    | 113.56  | 19500                                | 2.7                | KAF                                                                                | 77    | DRS | 80S4 | 66        | 490                                                                                 |
|                        | 15                        | 490                    | 97.05   | 19700                                | 3.1                |                                                                                    |       |     |      |           |                                                                                     |
|                        | 11                        | 625                    | 123.54  | 11700                                | 1.30               | K                                                                                  | 67    | DRS | 80S4 | 40        | 484                                                                                 |
|                        | 13                        | 545                    | 108.03  | 12200                                | 1.50               | KF                                                                                 | 67    | DRS | 80S4 | 46        | 485                                                                                 |
|                        | 16                        | 455                    | 90.04   | 12600                                | 1.80               | KA                                                                                 | 67    | DRS | 80S4 | 37        | 486                                                                                 |
|                        |                           |                        |         |                                      |                    | KAF                                                                                | 67    | DRS | 80S4 | 43        | 485                                                                                 |
|                        | 18                        | 385                    | 76.37   | 12900                                | 2.1                | K                                                                                  | 67    | DRS | 80S4 | 40        | 484                                                                                 |
|                        | 20                        | 350                    | 68.95   | 13000                                | 2.3                | KF                                                                                 | 67    | DRS | 80S4 | 46        | 485                                                                                 |
|                        | 23                        | 305                    | 60.66   | 13000                                | 2.7                | KA                                                                                 | 67    | DRS | 80S4 | 37        | 486                                                                                 |
|                        | 25                        | 290                    | 57.28   | 13000                                | 2.8                | KAF                                                                                | 67    | DRS | 80S4 | 43        | 485                                                                                 |
|                        | 11                        | 625                    | 123.85  | 7390                                 | 0.95               |                                                                                    |       |     |      |           |                                                                                     |
|                        | 13                        | 550                    | 108.29  | 8030                                 | 1.10               |                                                                                    |       |     |      |           |                                                                                     |
|                        | 14                        | 520                    | 102.88* | 8250                                 | 1.15               |                                                                                    |       |     |      |           |                                                                                     |
|                        | 16                        | 455                    | 90.26*  | 8620                                 | 1.30               | K                                                                                  | 57    | DRS | 80S4 | 34        | 479                                                                                 |
|                        | 18                        | 385                    | 76.56*  | 8930                                 | 1.55               | KF                                                                                 | 57    | DRS | 80S4 | 39        | 480                                                                                 |
|                        | 20                        | 350                    | 69.12   | 9090                                 | 1.70               | KA                                                                                 | 57    | DRS | 80S4 | 32        | 481                                                                                 |
|                        | 23                        | 305                    | 60.81*  | 9250                                 | 1.95               | KAF                                                                                | 57    | DRS | 80S4 | 38        | 480                                                                                 |
|                        | 25                        | 290                    | 57.42*  | 9320                                 | 2.1                |                                                                                    |       |     |      |           |                                                                                     |
|                        | 29                        | 245                    | 48.89   | 9470                                 | 2.4                |                                                                                    |       |     |      |           |                                                                                     |
|                        | 32                        | 225                    | 44.43   | 9550                                 | 2.7                |                                                                                    |       |     |      |           |                                                                                     |



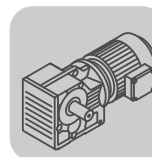
| $P_m$<br>[kW] | $n_a$<br>[1/min] | $M_a$<br>[Nm] | $i$    | $F_{Ra}^{1)}$<br>[N] | SEW $f_B$ |  |        |     |      | $m$<br>[kg] |  |
|---------------|------------------|---------------|--------|----------------------|-----------|------------------------------------------------------------------------------------|--------|-----|------|-------------|-------------------------------------------------------------------------------------|
| 0.75          | 19               | 380           | 75.20* | 6170                 | 1.05      | K                                                                                  | 47     | DRS | 80S4 | 28          | 474                                                                                 |
|               | 20               | 350           | 69.84  | 6500                 | 1.15      | KF                                                                                 | 47     | DRS | 80S4 | 32          | 475                                                                                 |
|               | 22               | 320           | 63.30* | 6860                 | 1.25      | KA                                                                                 | 47     | DRS | 80S4 | 27          | 476                                                                                 |
|               |                  |               |        |                      |           | KAF                                                                                | 47     | DRS | 80S4 | 30          | 475                                                                                 |
|               | 25               | 285           | 56.83  | 7160                 | 1.40      |                                                                                    |        |     |      |             |                                                                                     |
|               | 29               | 245           | 48.95* | 7470                 | 1.60      | K                                                                                  | 47     | DRS | 80S4 | 28          | 474                                                                                 |
|               | 31               | 230           | 46.03* | 7570                 | 1.70      | KF                                                                                 | 47     | DRS | 80S4 | 32          | 475                                                                                 |
|               | 36               | 200           | 39.61  | 7760                 | 2.00      | KA                                                                                 | 47     | DRS | 80S4 | 27          | 476                                                                                 |
|               | 40               | 180           | 35.39  | 7720                 | 2.2       | KAF                                                                                | 47     | DRS | 80S4 | 30          | 475                                                                                 |
|               | 45               | 159           | 31.30  | 7520                 | 2.5       |                                                                                    |        |     |      |             |                                                                                     |
|               | 32               | 225           | 44.46  | 4170                 | 0.90      |                                                                                    |        |     |      |             |                                                                                     |
|               | 37               | 193           | 37.97  | 4150                 | 1.05      |                                                                                    |        |     |      |             |                                                                                     |
|               | 40               | 181           | 35.57  | 4130                 | 1.10      |                                                                                    |        |     |      |             |                                                                                     |
|               | 47               | 152           | 29.96  | 4070                 | 1.30      |                                                                                    |        |     |      |             |                                                                                     |
|               | 49               | 146           | 28.83  | 4050                 | 1.35      |                                                                                    |        |     |      |             |                                                                                     |
|               | 56               | 127           | 24.99  | 3980                 | 1.60      |                                                                                    |        |     |      |             |                                                                                     |
|               | 60               | 119           | 23.36  | 3940                 | 1.65      |                                                                                    |        |     |      |             |                                                                                     |
|               | 70               | 102           | 20.19  | 3850                 | 1.80      |                                                                                    |        |     |      |             |                                                                                     |
|               | 82               | 87            | 17.15  | 3740                 | 2.1       | K                                                                                  | 37     | DRS | 80S4 | 22          | 469                                                                                 |
|               | 92               | 78            | 15.31  | 3650                 | 2.2       | KF                                                                                 | 37     | DRS | 80S4 | 24          | 470                                                                                 |
|               | 108              | 66            | 13.08  | 3530                 | 2.5       | KA                                                                                 | 37     | DRS | 80S4 | 22          | 471                                                                                 |
|               | 116              | 62            | 12.14  | 3480                 | 2.6       | KAF                                                                                | 37     | DRS | 80S4 | 23          | 470                                                                                 |
|               | 134              | 53            | 10.49  | 3360                 | 3.0       |                                                                                    |        |     |      |             |                                                                                     |
|               | 158              | 45            | 8.91   | 3230                 | 3.5       |                                                                                    |        |     |      |             |                                                                                     |
|               | 177              | 40            | 7.96   | 3140                 | 3.8       |                                                                                    |        |     |      |             |                                                                                     |
|               | 207              | 34            | 6.80   | 3010                 | 4.4       |                                                                                    |        |     |      |             |                                                                                     |
|               | 221              | 32            | 6.37   | 2960                 | 4.5       |                                                                                    |        |     |      |             |                                                                                     |
|               | 263              | 27            | 5.36   | 2830                 | 5.2       |                                                                                    |        |     |      |             |                                                                                     |
|               | 354              | 20            | 3.98   | 2600                 | 6.2       |                                                                                    |        |     |      |             |                                                                                     |
| 1.1           | 0.15             | 59200         | 9363   | 190000               | 0.85      |                                                                                    |        |     |      |             |                                                                                     |
|               | 0.17             | 50700         | 8126   | 190000               | 1.00      |                                                                                    |        |     |      |             |                                                                                     |
|               | 0.19             | 48000         | 7343   | 190000               | 1.05      |                                                                                    |        |     |      |             |                                                                                     |
|               | 0.21             | 43900         | 6747   | 190000               | 1.15      | K                                                                                  | 187R97 | DRS | 80M4 | 1770        | 523                                                                                 |
|               | 0.24             | 38600         | 5991   | 190000               | 1.30      | KH                                                                                 | 187R97 | DRS | 80M4 | 1700        | 523                                                                                 |
|               | 0.26             | 34200         | 5358   | 190000               | 1.45      |                                                                                    |        |     |      |             |                                                                                     |
|               | 0.29             | 30400         | 4817   | 190000               | 1.65      |                                                                                    |        |     |      |             |                                                                                     |
|               | 0.32             | 27600         | 4370   | 190000               | 1.80      |                                                                                    |        |     |      |             |                                                                                     |
|               | 0.26             | 34500         | 5355   | 150000               | 0.95      |                                                                                    |        |     |      |             |                                                                                     |
|               | 0.29             | 30500         | 4788   | 150000               | 1.05      |                                                                                    |        |     |      |             |                                                                                     |
|               | 0.35             | 26500         | 4079   | 150000               | 1.20      | K                                                                                  | 167R97 | DRS | 80M4 | 1190        | 523                                                                                 |
|               | 0.42             | 22000         | 3376   | 150000               | 1.45      | KH                                                                                 | 167R97 | DRS | 80M4 | 1150        | 523                                                                                 |
|               | 0.51             | 17700         | 2755   | 150000               | 1.80      |                                                                                    |        |     |      |             |                                                                                     |
|               | 0.65             | 14400         | 2182   | 150000               | 2.2       |                                                                                    |        |     |      |             |                                                                                     |
|               | 0.83             | 11200         | 1704   | 150000               | 2.8       | K                                                                                  | 167R97 | DRS | 80M4 | 1190        | 523                                                                                 |
|               | 1.0              | 9310          | 1408   | 150000               | 3.4       | KH                                                                                 | 167R97 | DRS | 80M4 | 1150        | 523                                                                                 |
|               | 1.1              | 8530          | 1296   | 150000               | 3.8       |                                                                                    |        |     |      |             |                                                                                     |
|               | 0.40             | 22400         | 3516   | 109600               | 0.80      | K                                                                                  | 157R97 | DRS | 80M4 | 800         | 523                                                                                 |
|               | 0.46             | 19900         | 3051   | 111100               | 0.90      | KF                                                                                 | 157R97 | DRS | 80M4 | 870         | 523                                                                                 |
|               | 0.54             | 16500         | 2610   | 112900               | 1.10      | KA                                                                                 | 157R97 | DRS | 80M4 | 760         | 523                                                                                 |
|               | 0.61             | 14600         | 2322   | 113700               | 1.20      | KAF                                                                                | 157R97 | DRS | 80M4 | 820         | 523                                                                                 |
|               | 0.85             | 10900         | 1659   | 115000               | 1.65      |                                                                                    |        |     |      |             |                                                                                     |
|               | 1.0              | 8910          | 1365   | 115600               | 2.0       | K                                                                                  | 157R97 | DRS | 80M4 | 790         | 523                                                                                 |
|               | 1.2              | 7940          | 1229   | 115800               | 2.3       | KF                                                                                 | 157R97 | DRS | 80M4 | 870         | 523                                                                                 |
|               | 1.3              | 7070          | 1093   | 116000               | 2.5       | KA                                                                                 | 157R97 | DRS | 80M4 | 760         | 523                                                                                 |
|               | 1.5              | 6090          | 942    | 116100               | 3.0       | KAF                                                                                | 157R97 | DRS | 80M4 | 810         | 523                                                                                 |
|               | 1.6              | 5460          | 854    | 116200               | 3.3       |                                                                                    |        |     |      |             |                                                                                     |
|               | 0.73             | 13000         | 1926   | 79100                | 1.00      |                                                                                    |        |     |      |             |                                                                                     |
|               | 0.80             | 11900         | 1757   | 79800                | 1.10      |                                                                                    |        |     |      |             |                                                                                     |
|               | 0.91             | 10400         | 1541   | 80500                | 1.25      |                                                                                    |        |     |      |             |                                                                                     |
|               | 1.0              | 9100          | 1342   | 81000                | 1.45      |                                                                                    |        |     |      |             |                                                                                     |
|               | 1.2              | 7960          | 1177   | 81500                | 1.65      | K                                                                                  | 127R77 | DRS | 80M4 | 480         | 523                                                                                 |
|               | 1.4              | 6950          | 1025   | 81800                | 1.85      | KF                                                                                 | 127R77 | DRS | 80M4 | 520         | 523                                                                                 |
|               | 1.6              | 6080          | 899    | 82000                | 2.1       | KA                                                                                 | 127R77 | DRS | 80M4 | 450         | 523                                                                                 |
|               | 1.8              | 5230          | 790    | 82200                | 2.5       | KAF                                                                                | 127R77 | DRS | 80M4 | 485         | 523                                                                                 |
|               | 2.0              | 4740          | 704    | 82400                | 2.7       |                                                                                    |        |     |      |             |                                                                                     |
|               | 2.3              | 4080          | 610    | 82500                | 3.2       |                                                                                    |        |     |      |             |                                                                                     |
|               | 2.6              | 3680          | 549    | 82500                | 3.5       |                                                                                    |        |     |      |             |                                                                                     |
|               | 3.0              | 3160          | 477    | 82600                | 4.1       |                                                                                    |        |     |      |             |                                                                                     |



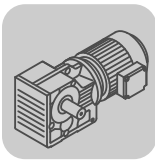
| $P_m$<br>[kW] | $n_a$<br>[1/min] | $M_a$<br>[Nm] | $i$     | $F_{Ra}^{1)}$<br>[N] | SEW $f_B$ |  |                                      |                          |                              | $m$<br>[kg]              |  |
|---------------|------------------|---------------|---------|----------------------|-----------|------------------------------------------------------------------------------------|--------------------------------------|--------------------------|------------------------------|--------------------------|-------------------------------------------------------------------------------------|
| 1.1           | 1.2              | 7930          | 1166    | 65000                | 1.00      | K<br>KF<br>KA<br>KAF                                                               | 107R77<br>107R77<br>107R77<br>107R77 | DRS<br>DRS<br>DRS<br>DRS | 80M4<br>80M4<br>80M4<br>80M4 | 315<br>330<br>290<br>315 | 523<br>523<br>523<br>523                                                            |
|               | 1.4              | 6910          | 1030    | 65000                | 1.15      |                                                                                    |                                      |                          |                              |                          |                                                                                     |
|               | 1.6              | 6030          | 904     | 65000                | 1.30      |                                                                                    |                                      |                          |                              |                          |                                                                                     |
|               | 1.8              | 5380          | 793     | 65000                | 1.50      |                                                                                    |                                      |                          |                              |                          |                                                                                     |
|               | 2.0              | 4700          | 696     | 65000                | 1.70      |                                                                                    |                                      |                          |                              |                          |                                                                                     |
|               | 2.3              | 4110          | 615     | 65000                | 1.95      |                                                                                    |                                      |                          |                              |                          |                                                                                     |
|               | 2.7              | 3480          | 522     | 65000                | 2.3       |                                                                                    |                                      |                          |                              |                          |                                                                                     |
|               | 3.1              | 3060          | 461     | 65000                | 2.6       |                                                                                    |                                      |                          |                              |                          |                                                                                     |
|               | 3.4              | 2700          | 408     | 65000                | 3.0       |                                                                                    |                                      |                          |                              |                          |                                                                                     |
|               | 3.9              | 2440          | 364     | 65000                | 3.3       |                                                                                    |                                      |                          |                              |                          |                                                                                     |
|               | 4.4              | 2130          | 318     | 65000                | 3.7       |                                                                                    |                                      |                          |                              |                          |                                                                                     |
|               | 1.9              | 5030          | 743     | 39900                | 0.85      | K<br>KF<br>KA<br>KAF                                                               | 97R57<br>97R57<br>97R57<br>97R57     | DRS<br>DRS<br>DRS<br>DRS | 80M4<br>80M4<br>80M4<br>80M4 | 185<br>205<br>170<br>195 | 523<br>523<br>523<br>523                                                            |
|               | 2.2              | 4420          | 652     | 40000                | 0.95      |                                                                                    |                                      |                          |                              |                          |                                                                                     |
|               | 2.5              | 3950          | 573     | 40000                | 1.10      |                                                                                    |                                      |                          |                              |                          |                                                                                     |
|               | 2.8              | 3400          | 504     | 40000                | 1.25      |                                                                                    |                                      |                          |                              |                          |                                                                                     |
|               | 3.2              | 2940          | 437     | 40000                | 1.45      |                                                                                    |                                      |                          |                              |                          |                                                                                     |
|               | 3.7              | 2600          | 382     | 40000                | 1.65      |                                                                                    |                                      |                          |                              |                          |                                                                                     |
|               | 4.1              | 2290          | 342     | 40000                | 1.85      | K<br>KF<br>KA<br>KAF                                                               | 87R57<br>87R57<br>87R57<br>87R57     | DRS<br>DRS<br>DRS<br>DRS | 80M4<br>80M4<br>80M4<br>80M4 | 125<br>135<br>115<br>125 | 523<br>523<br>523<br>523                                                            |
|               | 3.0              | 3220          | 474     | 26600                | 0.85      |                                                                                    |                                      |                          |                              |                          |                                                                                     |
|               | 3.3              | 2890          | 426     | 27000                | 0.95      |                                                                                    |                                      |                          |                              |                          |                                                                                     |
|               | 3.8              | 2550          | 373     | 27500                | 1.05      |                                                                                    |                                      |                          |                              |                          |                                                                                     |
|               | 4.3              | 2230          | 330     | 27800                | 1.20      |                                                                                    |                                      |                          |                              |                          |                                                                                     |
|               | 4.8              | 1990          | 294     | 28100                | 1.35      |                                                                                    |                                      |                          |                              |                          |                                                                                     |
|               | 5.6              | 1720          | 250     | 28300                | 1.55      |                                                                                    |                                      |                          |                              |                          |                                                                                     |
|               | 6.0              | 1620          | 236     | 28400                | 1.65      |                                                                                    |                                      |                          |                              |                          |                                                                                     |
|               | 7.0              | 1370          | 201     | 28600                | 1.95      | K<br>KF<br>KA<br>KAF                                                               | 97<br>97<br>97<br>97                 | DRS<br>DRS<br>DRS<br>DRS | 90L6<br>90L6<br>90L6<br>90L6 | 170<br>190<br>150<br>175 | 499<br>500<br>501<br>500                                                            |
|               | 5.3              | 1980          | 176.05* | 40000                | 2.2       |                                                                                    |                                      |                          |                              |                          |                                                                                     |
|               | 6.1              | 1730          | 153.21* | 40000                | 2.5       |                                                                                    |                                      |                          |                              |                          |                                                                                     |
|               | 6.6              | 1580          | 140.28  | 40000                | 2.7       |                                                                                    |                                      |                          |                              |                          |                                                                                     |
|               | 7.5              | 1390          | 123.93* | 40000                | 3.1       | K<br>KF<br>KA<br>KAF                                                               | 97<br>97<br>97<br>97                 | DRS<br>DRS<br>DRS<br>DRS | 80M4<br>80M4<br>80M4<br>80M4 | 165<br>185<br>145<br>170 | 499<br>500<br>501<br>500                                                            |
|               | 8.0              | 1310          | 176.05* | 40000                | 3.3       |                                                                                    |                                      |                          |                              |                          |                                                                                     |
|               | 9.2              | 1140          | 153.21* | 40000                | 3.8       |                                                                                    |                                      |                          |                              |                          |                                                                                     |
|               | 10               | 1040          | 140.28  | 40000                | 4.1       |                                                                                    |                                      |                          |                              |                          |                                                                                     |
|               | 6.3              | 1660          | 147.32* | 28300                | 1.60      | K<br>KF<br>KA<br>KAF                                                               | 87<br>87<br>87<br>87                 | DRS<br>DRS<br>DRS<br>DRS | 90L6<br>90L6<br>90L6<br>90L6 | 110<br>120<br>99<br>110  | 494<br>495<br>496<br>495                                                            |
|               | 7.3              | 1430          | 126.91* | 28500                | 1.90      |                                                                                    |                                      |                          |                              |                          |                                                                                     |
|               | 8.1              | 1290          | 174.19  | 28600                | 2.1       |                                                                                    |                                      |                          |                              |                          |                                                                                     |
|               | 8.6              | 1220          | 164.34* | 28700                | 2.2       |                                                                                    |                                      |                          |                              |                          |                                                                                     |
|               | 9.6              | 1090          | 147.32* | 28700                | 2.5       | K<br>KF<br>KA<br>KAF                                                               | 87<br>87<br>87<br>87                 | DRS<br>DRS<br>DRS<br>DRS | 80M4<br>80M4<br>80M4<br>80M4 | 105<br>115<br>92<br>105  | 494<br>495<br>496<br>495                                                            |
|               | 11               | 940           | 126.91* | 28800                | 2.9       |                                                                                    |                                      |                          |                              |                          |                                                                                     |
|               | 12               | 860           | 115.82  | 28900                | 3.1       |                                                                                    |                                      |                          |                              |                          |                                                                                     |
|               | 8.2              | 1280          | 113.56  | 17000                | 1.20      | K<br>KF<br>KA<br>KAF                                                               | 77<br>77<br>77<br>77                 | DRS<br>DRS<br>DRS<br>DRS | 90L6<br>90L6<br>90L6<br>90L6 | 75<br>83<br>68<br>75     | 489<br>490<br>491<br>490                                                            |
|               | 9.6              | 1090          | 97.05   | 17900                | 1.40      |                                                                                    |                                      |                          |                              |                          |                                                                                     |
|               | 10               | 1000          | 135.28  | 18300                | 1.55      |                                                                                    |                                      |                          |                              |                          |                                                                                     |
|               | 11               | 950           | 128.52  | 18500                | 1.60      |                                                                                    |                                      |                          |                              |                          |                                                                                     |
|               | 12               | 840           | 113.56  | 18800                | 1.85      | K<br>KF<br>KA<br>KAF                                                               | 77<br>77<br>77<br>77                 | DRS<br>DRS<br>DRS<br>DRS | 80M4<br>80M4<br>80M4<br>80M4 | 69<br>77<br>61<br>69     | 489<br>490<br>491<br>490                                                            |
|               | 15               | 720           | 97.05   | 19200                | 2.1       |                                                                                    |                                      |                          |                              |                          |                                                                                     |
|               | 16               | 660           | 88.97   | 19400                | 2.3       |                                                                                    |                                      |                          |                              |                          |                                                                                     |
|               | 18               | 580           | 78.07   | 19500                | 2.7       |                                                                                    |                                      |                          |                              |                          |                                                                                     |
|               | 19               | 550           | 73.99   | 19600                | 2.8       | K<br>KF<br>KA<br>KAF                                                               | 67<br>67<br>67<br>67                 | DRS<br>DRS<br>DRS<br>DRS | 80M4<br>80M4<br>80M4<br>80M4 | 43<br>48<br>40<br>46     | 484<br>485<br>486<br>485                                                            |
|               | 13               | 800           | 108.03  | 10400                | 1.00      |                                                                                    |                                      |                          |                              |                          |                                                                                     |
|               | 14               | 760           | 102.62  | 10800                | 1.05      |                                                                                    |                                      |                          |                              |                          |                                                                                     |
|               | 16               | 670           | 90.04   | 11500                | 1.20      |                                                                                    |                                      |                          |                              |                          |                                                                                     |
|               | 18               | 565           | 76.37   | 12100                | 1.45      |                                                                                    |                                      |                          |                              |                          |                                                                                     |
|               | 20               | 510           | 68.95   | 12300                | 1.60      |                                                                                    |                                      |                          |                              |                          |                                                                                     |
|               | 23               | 450           | 60.66   | 12600                | 1.80      | K<br>KF<br>KA<br>KAF                                                               | 67<br>67<br>67<br>67                 | DRS<br>DRS<br>DRS<br>DRS | 80M4<br>80M4<br>80M4<br>80M4 | 43<br>48<br>40<br>46     | 484<br>485<br>486<br>485                                                            |
|               | 25               | 425           | 57.28   | 12700                | 1.90      |                                                                                    |                                      |                          |                              |                          |                                                                                     |
|               | 29               | 360           | 48.77   | 12900                | 2.3       |                                                                                    |                                      |                          |                              |                          |                                                                                     |
|               | 32               | 330           | 44.32   | 13000                | 2.5       |                                                                                    |                                      |                          |                              |                          |                                                                                     |
|               | 37               | 285           | 38.39   | 13000                | 2.8       |                                                                                    |                                      |                          |                              |                          |                                                                                     |



| $P_m$<br>[kW] | $n_a$<br>[1/min] | $M_a$<br>[Nm] | $i$    | $F_{Ra}^{1)}$<br>[N] | SEW $f_B$ |            |               |            |             | $m$<br>[kg] |     |
|---------------|------------------|---------------|--------|----------------------|-----------|------------|---------------|------------|-------------|-------------|-----|
| <b>1.1</b>    | <b>16</b>        | 670           | 90.26* | 3500                 | 0.90      | <b>K</b>   | <b>57</b>     | <b>DRS</b> | <b>80M4</b> | 37          | 479 |
|               | <b>18</b>        | 570           | 76.56* | 7870                 | 1.05      |            |               |            |             |             |     |
|               | <b>20</b>        | 510           | 69.12  | 8300                 | 1.15      |            |               |            |             |             |     |
|               | <b>23</b>        | 450           | 60.81* | 8640                 | 1.30      |            |               |            |             |             |     |
|               | <b>25</b>        | 425           | 57.42* | 8760                 | 1.40      |            |               |            |             |             |     |
|               | <b>29</b>        | 360           | 48.89  | 9030                 | 1.65      | <b>KF</b>  | <b>57</b>     | <b>DRS</b> | <b>80M4</b> | 42          | 480 |
|               | <b>32</b>        | 330           | 44.43  | 9170                 | 1.80      |            |               |            |             |             |     |
|               | <b>37</b>        | 285           | 38.49  | 9340                 | 2.1       |            |               |            |             |             |     |
|               | <b>39</b>        | 265           | 35.70  | 9410                 | 2.3       |            |               |            |             |             |     |
|               | <b>47</b>        | 225           | 30.28  | 9550                 | 2.7       |            |               |            |             |             |     |
|               | <b>52</b>        | 200           | 27.34  | 9500                 | 3.0       | <b>KA</b>  | <b>57</b>     | <b>DRS</b> | <b>80M4</b> | 35          | 481 |
|               | <b>59</b>        | 179           | 24.05  | 9200                 | 3.4       |            |               |            |             |             |     |
|               | <b>62</b>        | 169           | 22.71  | 9070                 | 3.6       |            |               |            |             |             |     |
|               | <b>73</b>        | 144           | 19.34  | 8710                 | 4.0       |            |               |            |             |             |     |
|               | <b>80</b>        | 131           | 17.57  | 8490                 | 4.2       |            |               |            |             |             |     |
|               | <b>93</b>        | 113           | 15.22  | 8170                 | 4.7       | <b>KAF</b> | <b>57</b>     | <b>DRS</b> | <b>80M4</b> | 40          | 480 |
|               | <b>106</b>       | 99            | 13.25  | 7860                 | 5.2       |            |               |            |             |             |     |
|               | <b>118</b>       | 89            | 11.92  | 7550                 | 4.7       |            |               |            |             |             |     |
|               | <b>125</b>       | 84            | 11.26  | 7440                 | 5.0       |            |               |            |             |             |     |
|               | <b>147</b>       | 71            | 9.59   | 7110                 | 5.7       |            |               |            |             |             |     |
|               | <b>162</b>       | 65            | 8.71   | 6920                 | 6.0       | <b>K</b>   | <b>47</b>     | <b>DRS</b> | <b>80M4</b> | 31          | 474 |
|               | <b>187</b>       | 56            | 7.55   | 6630                 | 6.5       |            |               |            |             |             |     |
|               | <b>215</b>       | 49            | 6.57   | 6370                 | 7.1       |            |               |            |             |             |     |
|               | <b>301</b>       | 35            | 4.69   | 5760                 | 8.6       |            |               |            |             |             |     |
|               | <b>25</b>        | 420           | 56.83  | 3810                 | 0.95      | <b>KF</b>  | <b>47</b>     | <b>DRS</b> | <b>80M4</b> | 34          | 475 |
|               | <b>29</b>        | 360           | 48.95* | 6390                 | 1.10      |            |               |            |             |             |     |
|               | <b>31</b>        | 340           | 46.03* | 6640                 | 1.15      |            |               |            |             |             |     |
|               | <b>36</b>        | 295           | 39.61  | 7100                 | 1.35      |            |               |            |             |             |     |
|               | <b>40</b>        | 260           | 35.39  | 7080                 | 1.50      |            |               |            |             |             |     |
|               | <b>45</b>        | 230           | 31.30  | 6950                 | 1.70      | <b>KA</b>  | <b>47</b>     | <b>DRS</b> | <b>80M4</b> | 30          | 476 |
|               | <b>48</b>        | 215           | 29.32  | 6880                 | 1.85      |            |               |            |             |             |     |
|               | <b>54</b>        | 193           | 25.91  | 6720                 | 2.1       |            |               |            |             |             |     |
|               | <b>65</b>        | 162           | 21.81  | 6500                 | 2.5       |            |               |            |             |             |     |
|               | <b>72</b>        | 146           | 19.58  | 6350                 | 2.7       |            |               |            |             |             |     |
|               | <b>47</b>        | 220           | 29.96  | 3420                 | 0.90      | <b>K</b>   | <b>37</b>     | <b>DRS</b> | <b>80M4</b> | 25          | 469 |
|               | <b>56</b>        | 186           | 24.99  | 3440                 | 1.05      |            |               |            |             |             |     |
|               | <b>60</b>        | 174           | 23.36  | 3440                 | 1.10      |            |               |            |             |             |     |
|               | <b>70</b>        | 150           | 20.19  | 3410                 | 1.25      |            |               |            |             |             |     |
|               | <b>82</b>        | 128           | 17.15  | 3370                 | 1.40      |            |               |            |             |             |     |
|               | <b>92</b>        | 114           | 15.31  | 3320                 | 1.55      | <b>KF</b>  | <b>37</b>     | <b>DRS</b> | <b>80M4</b> | 27          | 470 |
|               | <b>108</b>       | 98            | 13.08  | 3250                 | 1.70      |            |               |            |             |             |     |
|               | <b>116</b>       | 90            | 12.14  | 3220                 | 1.75      |            |               |            |             |             |     |
|               | <b>134</b>       | 78            | 10.49  | 3140                 | 2.0       |            |               |            |             |             |     |
|               | <b>158</b>       | 66            | 8.91   | 3040                 | 2.4       |            |               |            |             |             |     |
|               | <b>177</b>       | 59            | 7.96   | 2970                 | 2.6       | <b>KA</b>  | <b>37</b>     | <b>DRS</b> | <b>80M4</b> | 24          | 471 |
|               | <b>207</b>       | 51            | 6.80   | 2870                 | 3.0       |            |               |            |             |             |     |
|               | <b>221</b>       | 47            | 6.37   | 2820                 | 3.1       |            |               |            |             |             |     |
|               | <b>263</b>       | 40            | 5.36   | 2710                 | 3.5       |            |               |            |             |             |     |
|               | <b>354</b>       | 30            | 3.98   | 2510                 | 4.2       |            |               |            |             |             |     |
| <b>1.5</b>    | <b>0.21</b>      | 61200         | 6747   | 190000               | 0.80      | <b>K</b>   | <b>187R97</b> | <b>DRS</b> | <b>90M4</b> | 1770        | 523 |
|               | <b>0.23</b>      | 54000         | 5991   | 190000               | 0.95      |            |               |            |             |             |     |
|               | <b>0.26</b>      | 47900         | 5358   | 190000               | 1.05      |            |               |            |             |             |     |
|               | <b>0.29</b>      | 42800         | 4817   | 190000               | 1.15      |            |               |            |             |             |     |
|               | <b>0.32</b>      | 38800         | 4370   | 190000               | 1.30      |            |               |            |             |             |     |
|               | <b>0.39</b>      | 33200         | 3609   | 190000               | 1.50      | <b>KH</b>  | <b>187R97</b> | <b>DRS</b> | <b>90M4</b> | 1710        | 523 |
|               | <b>0.46</b>      | 28200         | 3062   | 190000               | 1.75      |            |               |            |             |             |     |
|               | <b>0.56</b>      | 22900         | 2519   | 190000               | 2.2       |            |               |            |             |             |     |
|               | <b>0.62</b>      | 20500         | 2268   | 190000               | 2.4       |            |               |            |             |             |     |
|               | <b>0.34</b>      | 37000         | 4079   | 150000               | 0.85      | <b>K</b>   | <b>167R97</b> | <b>DRS</b> | <b>90M4</b> | 1190        | 523 |
|               | <b>0.41</b>      | 30700         | 3376   | 150000               | 1.05      |            |               |            |             |             |     |
|               | <b>0.51</b>      | 24800         | 2755   | 150000               | 1.30      |            |               |            |             |             |     |
|               | <b>0.64</b>      | 20100         | 2182   | 150000               | 1.60      |            |               |            |             |             |     |
|               | <b>0.82</b>      | 15600         | 1704   | 150000               | 2.0       |            |               |            |             |             |     |
|               | <b>0.99</b>      | 12900         | 1408   | 150000               | 2.5       | <b>KH</b>  | <b>167R97</b> | <b>DRS</b> | <b>90M4</b> | 1150        | 523 |
|               | <b>1.1</b>       | 11900         | 1296   | 150000               | 2.7       |            |               |            |             |             |     |

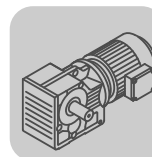


| $P_m$<br>[kW] | $n_a$<br>[1/min] | $M_a$<br>[Nm] | $i$     | $F_{Ra}^{1)}$<br>[N] | SEW $f_B$ |                      |        |     |       | $m$<br>[kg] |     |
|---------------|------------------|---------------|---------|----------------------|-----------|----------------------|--------|-----|-------|-------------|-----|
| 1.5           | 0.60             | 20600         | 2322    | 110700               | 0.85      | K                    | 157R97 | DRS | 90M4  | 800         | 523 |
|               |                  |               |         |                      |           | KF                   | 157R97 | DRS | 90M4  | 880         | 523 |
|               |                  |               |         |                      |           | KA                   | 157R97 | DRS | 90M4  | 760         | 523 |
|               |                  |               |         |                      |           | KAF                  | 157R97 | DRS | 90M4  | 820         | 523 |
|               | 0.84             | 15200         | 1659    | 113400               | 1.20      | K<br>KF<br>KA<br>KAF | 157R97 | DRS | 90M4  | 800         | 523 |
|               | 1.0              | 12400         | 1365    | 114500               | 1.45      |                      |        |     |       |             |     |
|               | 1.1              | 11100         | 1229    | 115000               | 1.60      |                      |        |     |       |             |     |
|               | 1.3              | 9910          | 1093    | 115300               | 1.80      |                      |        |     |       |             |     |
|               | 1.5              | 8540          | 942     | 115700               | 2.1       |                      |        |     |       |             |     |
|               | 1.6              | 7680          | 854     | 115800               | 2.3       |                      |        |     |       |             |     |
|               | 2.5              | 5050          | 567     | 116300               | 3.6       |                      |        |     |       |             |     |
|               | 2.8              | 4490          | 504     | 116400               | 4.0       |                      |        |     |       |             |     |
|               | 2.6              | 4860          | 536     | 82300                | 2.7       | K<br>KF<br>KA<br>KAF | 127R87 | DRS | 90M4  | 500         | 523 |
|               | 3.4              | 3830          | 418     | 82500                | 3.4       |                      |        |     |       |             |     |
|               | 3.8              | 3370          | 367     | 82600                | 3.8       |                      |        |     |       |             |     |
|               | 3.8              | 3370          | 367     | 82600                | 3.8       |                      |        |     |       |             |     |
|               | 0.80             | 16400         | 1757    | 72900                | 0.80      | K<br>KF<br>KA<br>KAF | 127R77 | DRS | 90M4  | 480         | 523 |
|               | 0.91             | 14400         | 1541    | 77100                | 0.90      |                      |        |     |       |             |     |
|               | 1.0              | 12500         | 1342    | 79400                | 1.05      |                      |        |     |       |             |     |
|               | 1.2              | 11000         | 1177    | 80200                | 1.20      |                      |        |     |       |             |     |
|               | 1.4              | 9610          | 1025    | 80800                | 1.35      |                      |        |     |       |             |     |
|               | 1.6              | 8410          | 899     | 81300                | 1.55      |                      |        |     |       |             |     |
|               | 1.8              | 7290          | 790     | 81700                | 1.80      |                      |        |     |       |             |     |
|               | 2.0              | 6570          | 704     | 81900                | 2.00      |                      |        |     |       |             |     |
|               | 2.3              | 5660          | 610     | 82100                | 2.3       |                      |        |     |       |             |     |
|               | 2.6              | 5110          | 549     | 82300                | 2.5       |                      |        |     |       |             |     |
|               | 2.9              | 4400          | 477     | 82400                | 3.0       |                      |        |     |       |             |     |
|               | 3.4              | 3890          | 418     | 82500                | 3.3       |                      |        |     |       |             |     |
|               | 1.4              | 9580          | 1030    | 65000                | 0.85      | K<br>KF<br>KA<br>KAF | 107R77 | DRS | 90M4  | 320         | 523 |
|               | 1.6              | 8380          | 904     | 65000                | 0.95      |                      |        |     |       |             |     |
|               | 1.8              | 7440          | 793     | 65000                | 1.10      |                      |        |     |       |             |     |
|               | 2.0              | 6510          | 696     | 65000                | 1.25      |                      |        |     |       |             |     |
|               | 2.3              | 5700          | 615     | 65000                | 1.40      |                      |        |     |       |             |     |
|               | 2.7              | 4840          | 522     | 65000                | 1.65      |                      |        |     |       |             |     |
|               | 3.0              | 4260          | 461     | 65000                | 1.90      |                      |        |     |       |             |     |
|               | 3.4              | 3760          | 408     | 65000                | 2.1       |                      |        |     |       |             |     |
|               | 3.8              | 3390          | 364     | 65000                | 2.4       |                      |        |     |       |             |     |
|               | 4.4              | 2960          | 318     | 65000                | 2.7       |                      |        |     |       |             |     |
|               | 2.4              | 5460          | 573     | 39400                | 0.80      | K<br>KF<br>KA<br>KAF | 97R57  | DRS | 90M4  | 190         | 523 |
|               | 2.8              | 4710          | 504     | 40000                | 0.90      |                      |        |     |       |             |     |
|               | 3.2              | 4070          | 437     | 40000                | 1.05      |                      |        |     |       |             |     |
|               | 3.7              | 3590          | 382     | 40000                | 1.20      |                      |        |     |       |             |     |
|               | 4.1              | 3180          | 342     | 40000                | 1.35      |                      |        |     |       |             |     |
|               | 4.6              | 2890          | 305     | 40000                | 1.50      |                      |        |     |       |             |     |
|               | 5.4              | 2440          | 258     | 40000                | 1.75      |                      |        |     |       |             |     |
|               | 6.0              | 2200          | 232     | 40000                | 1.95      |                      |        |     |       |             |     |
|               | 7.0              | 1880          | 199     | 40000                | 2.3       |                      |        |     |       |             |     |
|               | 4.2              | 3080          | 330     | 26800                | 0.85      | K<br>KF<br>KA<br>KAF | 87R57  | DRS | 90M4  | 130         | 523 |
|               | 4.8              | 2760          | 294     | 27200                | 1.00      |                      |        |     |       |             |     |
|               | 5.6              | 2370          | 250     | 27700                | 1.15      |                      |        |     |       |             |     |
|               | 5.9              | 2240          | 236     | 27800                | 1.20      |                      |        |     |       |             |     |
|               | 7.0              | 1900          | 201     | 28100                | 1.40      |                      |        |     |       |             |     |
|               | 7.7              | 1720          | 183     | 28300                | 1.55      |                      |        |     |       |             |     |
|               | 5.2              | 2720          | 176.05* | 40000                | 1.60      | K<br>KF<br>KA<br>KAF | 97     | DRS | 100M6 | 175         | 499 |
|               | 6.0              | 2370          | 153.21* | 40000                | 1.80      |                      |        |     |       |             |     |
|               | 6.6              | 2170          | 140.28  | 40000                | 2.00      |                      |        |     |       |             |     |
|               | 7.5              | 1910          | 123.93* | 40000                | 2.2       |                      |        |     |       |             |     |
|               | 8.0              | 1800          | 176.05* | 40000                | 2.4       | K<br>KF<br>KA<br>KAF | 97     | DRS | 90M4  | 170         | 499 |
|               | 9.1              | 1560          | 153.21* | 40000                | 2.7       |                      |        |     |       |             |     |
|               | 10.0             | 1430          | 140.28  | 40000                | 3.0       |                      |        |     |       |             |     |
|               | 11               | 1260          | 123.93* | 40000                | 3.4       |                      |        |     |       |             |     |
|               | 6.3              | 2280          | 147.32* | 27800                | 1.20      | K<br>KF<br>KA<br>KAF | 87     | DRS | 100M6 | 115         | 494 |
|               | 7.3              | 1960          | 126.91* | 28100                | 1.35      |                      |        |     |       |             |     |
|               | 8.0              | 1790          | 115.82  | 28200                | 1.50      |                      |        |     |       |             |     |
|               | 9.0              | 1590          | 102.71* | 28400                | 1.70      |                      |        |     |       |             |     |



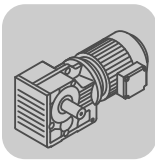
| $P_m$<br>[kW] | $n_a$<br>[1/min] | $M_a$<br>[Nm] | $i$     | $F_{Ra}^{1)}$<br>[N] | SEW $f_B$ |            |           |            |              | $m$<br>[kg] |     |
|---------------|------------------|---------------|---------|----------------------|-----------|------------|-----------|------------|--------------|-------------|-----|
| <b>1.5</b>    | <b>8.0</b>       | 1780          | 174.19  | 28300                | 1.50      |            |           |            |              |             |     |
|               | <b>8.5</b>       | 1680          | 164.34* | 28300                | 1.60      | <b>K</b>   | <b>87</b> | <b>DRS</b> | <b>90M4</b>  | 110         | 494 |
|               | <b>9.5</b>       | 1500          | 147.32* | 28500                | 1.80      | <b>KF</b>  | <b>87</b> | <b>DRS</b> | <b>90M4</b>  | 120         | 495 |
|               | <b>11</b>        | 1290          | 126.91* | 28600                | 2.1       | <b>KA</b>  | <b>87</b> | <b>DRS</b> | <b>90M4</b>  | 96          | 496 |
|               | <b>12</b>        | 1180          | 115.82  | 28700                | 2.3       | <b>KAF</b> | <b>87</b> | <b>DRS</b> | <b>90M4</b>  | 110         | 495 |
|               | <b>14</b>        | 1050          | 102.71* | 28800                | 2.6       |            |           |            |              |             |     |
|               | <b>16</b>        | 880           | 86.34   | 28800                | 3.1       |            |           |            |              |             |     |
|               | <b>8.2</b>       | 1750          | 113.56  | 13700                | 0.90      | <b>K</b>   | <b>77</b> | <b>DRS</b> | <b>100M6</b> | 80          | 489 |
|               | <b>9.5</b>       | 1500          | 97.05   | 15700                | 1.05      | <b>KF</b>  | <b>77</b> | <b>DRS</b> | <b>100M6</b> | 88          | 490 |
|               | <b>10</b>        | 1370          | 88.97   | 16500                | 1.15      | <b>KA</b>  | <b>77</b> | <b>DRS</b> | <b>100M6</b> | 72          | 491 |
|               | <b>12</b>        | 1200          | 78.07   | 17400                | 1.30      | <b>KAF</b> | <b>77</b> | <b>DRS</b> | <b>100M6</b> | 80          | 490 |
|               | <b>10</b>        | 1380          | 135.28  | 16500                | 1.10      | <b>K</b>   | <b>77</b> | <b>DRS</b> | <b>90M4</b>  | 72          | 489 |
|               | <b>11</b>        | 1310          | 128.52  | 16800                | 1.20      | <b>KF</b>  | <b>77</b> | <b>DRS</b> | <b>90M4</b>  | 81          | 490 |
|               | <b>12</b>        | 1160          | 113.56  | 17600                | 1.35      | <b>KA</b>  | <b>77</b> | <b>DRS</b> | <b>90M4</b>  | 65          | 491 |
|               | <b>14</b>        | 990           | 97.05   | 18300                | 1.55      | <b>KAF</b> | <b>77</b> | <b>DRS</b> | <b>90M4</b>  | 73          | 490 |
|               | <b>16</b>        | 910           | 88.97   | 18600                | 1.70      |            |           |            |              |             |     |
|               | <b>18</b>        | 795           | 78.07   | 19000                | 1.95      |            |           |            |              |             |     |
|               | <b>19</b>        | 755           | 73.99   | 19100                | 2.0       | <b>K</b>   | <b>77</b> | <b>DRS</b> | <b>90M4</b>  | 72          | 489 |
|               | <b>22</b>        | 660           | 64.75   | 19400                | 2.3       | <b>KF</b>  | <b>77</b> | <b>DRS</b> | <b>90M4</b>  | 81          | 490 |
|               | <b>24</b>        | 595           | 58.34   | 19500                | 2.6       | <b>KA</b>  | <b>77</b> | <b>DRS</b> | <b>90M4</b>  | 65          | 491 |
|               | <b>27</b>        | 520           | 51.18   | 19700                | 3.0       | <b>KAF</b> | <b>77</b> | <b>DRS</b> | <b>90M4</b>  | 73          | 490 |
|               | <b>31</b>        | 460           | 45.16   | 19800                | 3.4       |            |           |            |              |             |     |
|               | <b>35</b>        | 405           | 40.04   | 19800                | 3.8       |            |           |            |              |             |     |
|               | <b>16</b>        | 920           | 90.04   | 9290                 | 0.90      | <b>K</b>   | <b>67</b> | <b>DRS</b> | <b>90M4</b>  | 48          | 484 |
|               | <b>18</b>        | 780           | 76.37   | 10600                | 1.05      | <b>KF</b>  | <b>67</b> | <b>DRS</b> | <b>90M4</b>  | 53          | 485 |
|               | <b>20</b>        | 705           | 68.95   | 11200                | 1.15      | <b>KA</b>  | <b>67</b> | <b>DRS</b> | <b>90M4</b>  | 45          | 486 |
|               | <b>23</b>        | 620           | 60.66   | 11800                | 1.30      | <b>KAF</b> | <b>67</b> | <b>DRS</b> | <b>90M4</b>  | 51          | 485 |
|               | <b>24</b>        | 585           | 57.28   | 12000                | 1.40      |            |           |            |              |             |     |
|               | <b>29</b>        | 495           | 48.77   | 12400                | 1.65      |            |           |            |              |             |     |
|               | <b>32</b>        | 450           | 44.32   | 12600                | 1.80      | <b>K</b>   | <b>67</b> | <b>DRS</b> | <b>90M4</b>  | 48          | 484 |
|               | <b>36</b>        | 390           | 38.39   | 12800                | 2.0       | <b>KF</b>  | <b>67</b> | <b>DRS</b> | <b>90M4</b>  | 53          | 485 |
|               | <b>39</b>        | 360           | 35.62   | 12900                | 2.2       | <b>KA</b>  | <b>67</b> | <b>DRS</b> | <b>90M4</b>  | 45          | 486 |
|               | <b>46</b>        | 305           | 30.22   | 13000                | 2.6       | <b>KAF</b> | <b>67</b> | <b>DRS</b> | <b>90M4</b>  | 51          | 485 |
|               | <b>51</b>        | 275           | 27.28   | 13000                | 2.9       |            |           |            |              |             |     |
|               | <b>58</b>        | 245           | 24.00   | 13000                | 3.3       |            |           |            |              |             |     |
|               | <b>23</b>        | 620           | 60.81*  | 7450                 | 0.95      | <b>K</b>   | <b>57</b> | <b>DRS</b> | <b>90M4</b>  | 42          | 479 |
|               | <b>24</b>        | 585           | 57.42*  | 7730                 | 1.00      | <b>KF</b>  | <b>57</b> | <b>DRS</b> | <b>90M4</b>  | 47          | 480 |
|               | <b>29</b>        | 500           | 48.89   | 8420                 | 1.20      | <b>KA</b>  | <b>57</b> | <b>DRS</b> | <b>90M4</b>  | 40          | 481 |
|               | <b>32</b>        | 450           | 44.43   | 8640                 | 1.30      | <b>KAF</b> | <b>57</b> | <b>DRS</b> | <b>90M4</b>  | 45          | 480 |
|               | <b>36</b>        | 390           | 38.49   | 8910                 | 1.50      | <b>K</b>   | <b>57</b> | <b>DRS</b> | <b>90M4</b>  | 42          | 479 |
|               | <b>39</b>        | 365           | 35.70   | 9030                 | 1.65      | <b>KF</b>  | <b>57</b> | <b>DRS</b> | <b>90M4</b>  | 47          | 480 |
|               | <b>46</b>        | 305           | 30.28   | 9200                 | 1.95      | <b>KA</b>  | <b>57</b> | <b>DRS</b> | <b>90M4</b>  | 40          | 481 |
|               | <b>51</b>        | 275           | 27.34   | 9020                 | 2.2       | <b>KAF</b> | <b>57</b> | <b>DRS</b> | <b>90M4</b>  | 45          | 480 |
|               | <b>58</b>        | 245           | 24.05   | 8790                 | 2.4       |            |           |            |              |             |     |
|               | <b>62</b>        | 230           | 22.71   | 8680                 | 2.6       |            |           |            |              |             |     |
|               | <b>72</b>        | 198           | 19.34   | 8380                 | 2.9       |            |           |            |              |             |     |
|               | <b>35</b>        | 405           | 39.61   | 5850                 | 1.00      | <b>K</b>   | <b>47</b> | <b>DRS</b> | <b>90M4</b>  | 36          | 474 |
|               | <b>40</b>        | 360           | 35.39   | 6360                 | 1.10      | <b>KF</b>  | <b>47</b> | <b>DRS</b> | <b>90M4</b>  | 39          | 475 |
|               | <b>45</b>        | 320           | 31.30   | 6310                 | 1.25      | <b>KA</b>  | <b>47</b> | <b>DRS</b> | <b>90M4</b>  | 35          | 476 |
|               |                  |               |         |                      |           | <b>KAF</b> | <b>47</b> | <b>DRS</b> | <b>90M4</b>  | 38          | 475 |
|               | <b>48</b>        | 300           | 29.32   | 6280                 | 1.35      |            |           |            |              |             |     |
|               | <b>54</b>        | 265           | 25.91   | 6200                 | 1.50      | <b>K</b>   | <b>47</b> | <b>DRS</b> | <b>90M4</b>  | 36          | 474 |
|               | <b>64</b>        | 220           | 21.81   | 6060                 | 1.80      | <b>KF</b>  | <b>47</b> | <b>DRS</b> | <b>90M4</b>  | 39          | 475 |
|               | <b>72</b>        | 200           | 19.58   | 5960                 | 2.0       | <b>KA</b>  | <b>47</b> | <b>DRS</b> | <b>90M4</b>  | 35          | 476 |
|               | <b>83</b>        | 172           | 16.86   | 5800                 | 2.2       | <b>KAF</b> | <b>47</b> | <b>DRS</b> | <b>90M4</b>  | 38          | 475 |
|               | <b>88</b>        | 162           | 15.86   | 5740                 | 2.3       |            |           |            |              |             |     |
|               | <b>103</b>       | 140           | 13.65   | 5570                 | 2.6       |            |           |            |              |             |     |
|               | <b>115</b>       | 125           | 12.19   | 5440                 | 2.8       |            |           |            |              |             |     |
|               | <b>119</b>       | 120           | 11.77   | 5340                 | 2.3       |            |           |            |              |             |     |

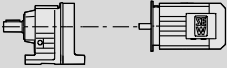


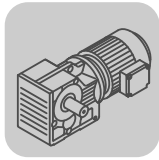


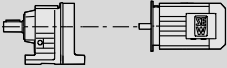
| $P_m$<br>[kW] | $n_a$<br>[1/min] | $M_a$<br>[Nm] | $i$     | $F_{Ra}^{1)}$<br>[N] | SEW $f_B$ |            |               |            |              | $m$<br>[kg] |     |
|---------------|------------------|---------------|---------|----------------------|-----------|------------|---------------|------------|--------------|-------------|-----|
| <b>1.5</b>    | <b>60</b>        | 235           | 23.36   | 2860                 | 0.80      |            |               |            |              |             |     |
|               | <b>69</b>        | 205           | 20.19   | 2910                 | 0.90      |            |               |            |              |             |     |
|               | <b>82</b>        | 176           | 17.15   | 2940                 | 1.05      |            |               |            |              |             |     |
|               | <b>91</b>        | 157           | 15.31   | 2950                 | 1.10      |            |               |            |              |             |     |
|               | <b>107</b>       | 134           | 13.08   | 2930                 | 1.25      |            |               |            |              |             |     |
|               | <b>115</b>       | 124           | 12.14   | 2920                 | 1.30      | <b>K</b>   | <b>37</b>     | <b>DRS</b> | <b>90M4</b>  | 29          | 469 |
|               | <b>133</b>       | 107           | 10.49   | 2880                 | 1.50      | <b>KF</b>  | <b>37</b>     | <b>DRS</b> | <b>90M4</b>  | 31          | 470 |
|               | <b>157</b>       | 91            | 8.91    | 2820                 | 1.75      | <b>KA</b>  | <b>37</b>     | <b>DRS</b> | <b>90M4</b>  | 29          | 471 |
|               | <b>176</b>       | 81            | 7.96    | 2780                 | 1.90      | <b>KAF</b> | <b>37</b>     | <b>DRS</b> | <b>90M4</b>  | 30          | 470 |
|               | <b>206</b>       | 70            | 6.80    | 2700                 | 2.2       |            |               |            |              |             |     |
|               | <b>220</b>       | 65            | 6.37    | 2670                 | 2.2       |            |               |            |              |             |     |
|               | <b>261</b>       | 55            | 5.36    | 2580                 | 2.6       |            |               |            |              |             |     |
|               | <b>352</b>       | 41            | 3.98    | 2420                 | 3.1       |            |               |            |              |             |     |
| <b>2.2</b>    | <b>0.32</b>      | 58100         | 4370    | 190000               | 0.85      | <b>K</b>   | <b>187R97</b> | <b>DRS</b> | <b>90L4</b>  | 1780        | 523 |
|               | <b>0.50</b>      | 36600         | 2818    | 190000               | 1.35      | <b>KH</b>  | <b>187R97</b> | <b>DRS</b> | <b>90L4</b>  | 1710        | 523 |
|               | <b>0.39</b>      | 49300         | 3609    | 190000               | 1.00      |            |               |            |              |             |     |
|               | <b>0.46</b>      | 41800         | 3062    | 190000               | 1.20      |            |               |            |              |             |     |
|               | <b>0.56</b>      | 34200         | 2519    | 190000               | 1.45      |            |               |            |              |             |     |
|               | <b>0.62</b>      | 30600         | 2268    | 190000               | 1.65      | <b>K</b>   | <b>187R97</b> | <b>DRS</b> | <b>90L4</b>  | 1770        | 523 |
|               | <b>0.68</b>      | 27600         | 2054    | 190000               | 1.80      | <b>KH</b>  | <b>187R97</b> | <b>DRS</b> | <b>90L4</b>  | 1710        | 523 |
|               | <b>0.77</b>      | 24300         | 1821    | 190000               | 2.0       |            |               |            |              |             |     |
|               | <b>0.87</b>      | 21600         | 1605    | 190000               | 2.3       |            |               |            |              |             |     |
|               | <b>0.51</b>      | 36900         | 2755    | 150000               | 0.85      | <b>K</b>   | <b>167R97</b> | <b>DRS</b> | <b>90L4</b>  | 1190        | 523 |
|               | <b>0.62</b>      | 29700         | 2263    | 150000               | 1.10      | <b>KH</b>  | <b>167R97</b> | <b>DRS</b> | <b>90L4</b>  | 1160        | 523 |
|               | <b>0.64</b>      | 29800         | 2182    | 150000               | 1.05      |            |               |            |              |             |     |
|               | <b>0.82</b>      | 23200         | 1704    | 150000               | 1.40      |            |               |            |              |             |     |
|               | <b>0.99</b>      | 19200         | 1408    | 150000               | 1.65      | <b>K</b>   | <b>167R97</b> | <b>DRS</b> | <b>90L4</b>  | 1190        | 523 |
|               | <b>1.1</b>       | 17600         | 1296    | 150000               | 1.80      | <b>KH</b>  | <b>167R97</b> | <b>DRS</b> | <b>90L4</b>  | 1150        | 523 |
|               | <b>1.3</b>       | 14700         | 1101    | 150000               | 2.2       |            |               |            |              |             |     |
|               | <b>1.5</b>       | 12700         | 944     | 150000               | 2.5       |            |               |            |              |             |     |
|               | <b>0.84</b>      | 22600         | 1659    | 109500               | 0.80      |            |               |            |              |             |     |
|               | <b>1.0</b>       | 18500         | 1365    | 111900               | 0.95      |            |               |            |              |             |     |
|               | <b>1.1</b>       | 16600         | 1229    | 112900               | 1.10      | <b>K</b>   | <b>157R97</b> | <b>DRS</b> | <b>90L4</b>  | 800         | 523 |
|               | <b>1.3</b>       | 14700         | 1093    | 113700               | 1.20      | <b>KF</b>  | <b>157R97</b> | <b>DRS</b> | <b>90L4</b>  | 880         | 523 |
|               | <b>1.5</b>       | 12700         | 942     | 114400               | 1.40      | <b>KA</b>  | <b>157R97</b> | <b>DRS</b> | <b>90L4</b>  | 760         | 523 |
|               | <b>1.6</b>       | 11400         | 854     | 114900               | 1.55      | <b>KAF</b> | <b>157R97</b> | <b>DRS</b> | <b>90L4</b>  | 820         | 523 |
|               | <b>1.8</b>       | 9950          | 756     | 115300               | 1.80      |            |               |            |              |             |     |
|               | <b>2.6</b>       | 7250          | 536     | 81700                | 1.80      | <b>K</b>   | <b>127R87</b> | <b>DRS</b> | <b>90L4</b>  | 500         | 523 |
|               | <b>3.0</b>       | 6340          | 473     | 82000                | 2.0       | <b>KF</b>  | <b>127R87</b> | <b>DRS</b> | <b>90L4</b>  | 550         | 523 |
|               | <b>3.4</b>       | 5710          | 418     | 82100                | 2.3       | <b>KA</b>  | <b>127R87</b> | <b>DRS</b> | <b>90L4</b>  | 475         | 523 |
|               | <b>3.8</b>       | 5010          | 367     | 82300                | 2.6       | <b>KAF</b> | <b>127R87</b> | <b>DRS</b> | <b>90L4</b>  | 510         | 523 |
|               | <b>4.2</b>       | 4490          | 330     | 82400                | 2.9       |            |               |            |              |             |     |
|               | <b>1.4</b>       | 14100         | 1025    | 77600                | 0.90      |            |               |            |              |             |     |
|               | <b>1.6</b>       | 12400         | 899     | 79500                | 1.05      |            |               |            |              |             |     |
|               | <b>1.8</b>       | 10800         | 790     | 80300                | 1.20      | <b>K</b>   | <b>127R77</b> | <b>DRS</b> | <b>90L4</b>  | 485         | 523 |
|               | <b>2.0</b>       | 9710          | 704     | 80800                | 1.35      | <b>KF</b>  | <b>127R77</b> | <b>DRS</b> | <b>90L4</b>  | 530         | 523 |
|               | <b>2.3</b>       | 8380          | 610     | 81300                | 1.55      | <b>KA</b>  | <b>127R77</b> | <b>DRS</b> | <b>90L4</b>  | 455         | 523 |
|               | <b>2.6</b>       | 7560          | 549     | 81600                | 1.70      | <b>KAF</b> | <b>127R77</b> | <b>DRS</b> | <b>90L4</b>  | 495         | 523 |
|               | <b>2.9</b>       | 6530          | 477     | 81900                | 2.00      |            |               |            |              |             |     |
|               | <b>3.4</b>       | 5760          | 418     | 82100                | 2.3       |            |               |            |              |             |     |
|               | <b>2.3</b>       | 8450          | 615     | 65000                | 0.95      |            |               |            |              |             |     |
|               | <b>2.7</b>       | 7160          | 522     | 65000                | 1.10      |            |               |            |              |             |     |
|               | <b>3.0</b>       | 6310          | 461     | 65000                | 1.25      | <b>K</b>   | <b>107R77</b> | <b>DRS</b> | <b>90L4</b>  | 325         | 523 |
|               | <b>3.4</b>       | 5580          | 408     | 65000                | 1.45      | <b>KF</b>  | <b>107R77</b> | <b>DRS</b> | <b>90L4</b>  | 335         | 523 |
|               | <b>3.8</b>       | 5010          | 364     | 65000                | 1.60      | <b>KA</b>  | <b>107R77</b> | <b>DRS</b> | <b>90L4</b>  | 295         | 523 |
|               | <b>4.4</b>       | 4380          | 318     | 65000                | 1.85      | <b>KAF</b> | <b>107R77</b> | <b>DRS</b> | <b>90L4</b>  | 320         | 523 |
|               | <b>4.9</b>       | 3940          | 286     | 65000                | 2.0       |            |               |            |              |             |     |
|               | <b>5.6</b>       | 3450          | 251     | 65000                | 2.3       |            |               |            |              |             |     |
|               | <b>3.7</b>       | 5290          | 382     | 39600                | 0.80      |            |               |            |              |             |     |
|               | <b>4.1</b>       | 4710          | 342     | 40000                | 0.90      | <b>K</b>   | <b>97R57</b>  | <b>DRS</b> | <b>90L4</b>  | 195         | 523 |
|               | <b>4.6</b>       | 4270          | 305     | 40000                | 1.00      | <b>KF</b>  | <b>97R57</b>  | <b>DRS</b> | <b>90L4</b>  | 215         | 523 |
|               | <b>5.4</b>       | 3600          | 258     | 40000                | 1.20      | <b>KA</b>  | <b>97R57</b>  | <b>DRS</b> | <b>90L4</b>  | 175         | 523 |
|               | <b>6.0</b>       | 3240          | 232     | 40000                | 1.30      | <b>KAF</b> | <b>97R57</b>  | <b>DRS</b> | <b>90L4</b>  | 200         | 523 |
|               | <b>7.0</b>       | 2780          | 199     | 40000                | 1.55      |            |               |            |              |             |     |
|               | <b>6.2</b>       | 3370          | 153.21* | 40000                | 1.30      | <b>K</b>   | <b>97</b>     | <b>DRS</b> | <b>112M6</b> | 190         | 499 |
|               | <b>6.8</b>       | 3080          | 140.28  | 40000                | 1.40      | <b>KF</b>  | <b>97</b>     | <b>DRS</b> | <b>112M6</b> | 210         | 500 |
|               | <b>7.7</b>       | 2720          | 123.93* | 40000                | 1.60      | <b>KA</b>  | <b>97</b>     | <b>DRS</b> | <b>112M6</b> | 170         | 501 |
|               |                  |               |         |                      |           | <b>KAF</b> | <b>97</b>     | <b>DRS</b> | <b>112M6</b> | 195         | 500 |

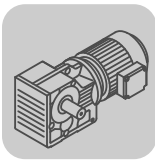


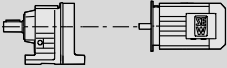


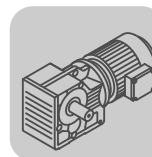
| $P_m$<br>[kW] | $n_a$<br>[1/min] | $M_a$<br>[Nm] | $i$     | $F_{Ra}^{1)}$<br>[N] | SEW $f_B$ |  |           |            |              | $m$<br>[kg] |  |
|---------------|------------------|---------------|---------|----------------------|-----------|------------------------------------------------------------------------------------|-----------|------------|--------------|-------------|-------------------------------------------------------------------------------------|
| <b>2.2</b>    |                  |               |         |                      |           | <b>K</b>                                                                           | <b>97</b> | <b>DRS</b> | <b>112M6</b> | 190         | 499                                                                                 |
|               | <b>9.1</b>       | 2310          | 105.13  | 40000                | 1.85      | <b>KF</b>                                                                          | <b>97</b> | <b>DRS</b> | <b>112M6</b> | 210         | 500                                                                                 |
|               |                  |               |         |                      |           | <b>KA</b>                                                                          | <b>97</b> | <b>DRS</b> | <b>112M6</b> | 170         | 501                                                                                 |
|               |                  |               |         |                      |           | <b>KAF</b>                                                                         | <b>97</b> | <b>DRS</b> | <b>112M6</b> | 195         | 500                                                                                 |
|               | <b>8.0</b>       | 2640          | 176.05* | 40000                | 1.65      | <b>K</b>                                                                           | <b>97</b> | <b>DRS</b> | <b>90L4</b>  | 170         | 499                                                                                 |
|               | <b>9.1</b>       | 2290          | 153.21* | 40000                | 1.85      | <b>KF</b>                                                                          | <b>97</b> | <b>DRS</b> | <b>90L4</b>  | 190         | 500                                                                                 |
|               | <b>10.0</b>      | 2100          | 140.28  | 40000                | 2.0       | <b>KA</b>                                                                          | <b>97</b> | <b>DRS</b> | <b>90L4</b>  | 150         | 501                                                                                 |
|               | <b>11</b>        | 1850          | 123.93* | 40000                | 2.3       | <b>KAF</b>                                                                         | <b>97</b> | <b>DRS</b> | <b>90L4</b>  | 175         | 500                                                                                 |
|               | <b>13</b>        | 1570          | 105.13  | 40000                | 2.7       | <b>K</b>                                                                           | <b>97</b> | <b>DRS</b> | <b>90L4</b>  | 170         | 499                                                                                 |
|               | <b>14</b>        | 1450          | 96.80   | 40000                | 3.0       | <b>KF</b>                                                                          | <b>97</b> | <b>DRS</b> | <b>90L4</b>  | 190         | 500                                                                                 |
|               |                  |               |         |                      |           | <b>KA</b>                                                                          | <b>97</b> | <b>DRS</b> | <b>90L4</b>  | 150         | 501                                                                                 |
|               |                  |               |         |                      |           | <b>KAF</b>                                                                         | <b>97</b> | <b>DRS</b> | <b>90L4</b>  | 175         | 500                                                                                 |
|               | <b>9.5</b>       | 2210          | 147.32* | 27800                | 1.20      | <b>K</b>                                                                           | <b>87</b> | <b>DRS</b> | <b>90L4</b>  | 110         | 494                                                                                 |
|               | <b>11</b>        | 1900          | 126.91* | 28100                | 1.40      | <b>KF</b>                                                                          | <b>87</b> | <b>DRS</b> | <b>90L4</b>  | 120         | 495                                                                                 |
|               | <b>12</b>        | 1730          | 115.82  | 28300                | 1.55      | <b>KA</b>                                                                          | <b>87</b> | <b>DRS</b> | <b>90L4</b>  | 99          | 496                                                                                 |
|               |                  |               |         |                      |           | <b>KAF</b>                                                                         | <b>87</b> | <b>DRS</b> | <b>90L4</b>  | 110         | 495                                                                                 |
|               | <b>14</b>        | 1540          | 102.71* | 28400                | 1.75      | <b>K</b>                                                                           | <b>87</b> | <b>DRS</b> | <b>90L4</b>  | 110         | 494                                                                                 |
|               | <b>16</b>        | 1290          | 86.34   | 28600                | 2.1       | <b>KF</b>                                                                          | <b>87</b> | <b>DRS</b> | <b>90L4</b>  | 120         | 495                                                                                 |
|               | <b>18</b>        | 1190          | 79.34   | 28700                | 2.3       | <b>KA</b>                                                                          | <b>87</b> | <b>DRS</b> | <b>90L4</b>  | 99          | 496                                                                                 |
|               | <b>20</b>        | 1050          | 70.46   | 28800                | 2.6       | <b>KAF</b>                                                                         | <b>87</b> | <b>DRS</b> | <b>90L4</b>  | 110         | 495                                                                                 |
|               | <b>22</b>        | 940           | 63.00*  | 28800                | 2.9       |                                                                                    |           |            |              |             |                                                                                     |
|               | <b>12</b>        | 1700          | 113.56  | 14200                | 0.90      | <b>K</b>                                                                           | <b>77</b> | <b>DRS</b> | <b>90L4</b>  | 75          | 489                                                                                 |
|               | <b>14</b>        | 1450          | 97.05   | 16000                | 1.05      | <b>KF</b>                                                                          | <b>77</b> | <b>DRS</b> | <b>90L4</b>  | 83          | 490                                                                                 |
|               | <b>16</b>        | 1330          | 88.97   | 16700                | 1.15      | <b>KA</b>                                                                          | <b>77</b> | <b>DRS</b> | <b>90L4</b>  | 68          | 491                                                                                 |
|               | <b>18</b>        | 1170          | 78.07   | 17600                | 1.30      | <b>KAF</b>                                                                         | <b>77</b> | <b>DRS</b> | <b>90L4</b>  | 75          | 490                                                                                 |
|               | <b>19</b>        | 1110          | 73.99   | 17900                | 1.40      |                                                                                    |           |            |              |             |                                                                                     |
|               | <b>22</b>        | 970           | 64.75   | 18400                | 1.60      |                                                                                    |           |            |              |             |                                                                                     |
|               | <b>24</b>        | 870           | 58.34   | 18800                | 1.75      |                                                                                    |           |            |              |             |                                                                                     |
|               | <b>27</b>        | 765           | 51.18   | 19100                | 2.0       | <b>K</b>                                                                           | <b>77</b> | <b>DRS</b> | <b>90L4</b>  | 75          | 489                                                                                 |
|               | <b>31</b>        | 675           | 45.16   | 19300                | 2.3       | <b>KF</b>                                                                          | <b>77</b> | <b>DRS</b> | <b>90L4</b>  | 83          | 490                                                                                 |
|               | <b>35</b>        | 600           | 40.04   | 19500                | 2.6       | <b>KA</b>                                                                          | <b>77</b> | <b>DRS</b> | <b>90L4</b>  | 68          | 491                                                                                 |
|               | <b>40</b>        | 525           | 35.20   | 19600                | 2.9       | <b>KAF</b>                                                                         | <b>77</b> | <b>DRS</b> | <b>90L4</b>  | 75          | 490                                                                                 |
|               | <b>45</b>        | 460           | 30.89   | 19800                | 3.3       |                                                                                    |           |            |              |             |                                                                                     |
|               | <b>48</b>        | 435           | 29.27   | 19800                | 3.5       |                                                                                    |           |            |              |             |                                                                                     |
|               | <b>55</b>        | 380           | 25.62   | 19900                | 4.0       |                                                                                    |           |            |              |             |                                                                                     |
|               | <b>23</b>        | 910           | 60.66   | 9420                 | 0.90      | <b>K</b>                                                                           | <b>67</b> | <b>DRS</b> | <b>90L4</b>  | 50          | 484                                                                                 |
|               | <b>24</b>        | 850           | 57.28   | 9940                 | 0.95      | <b>KF</b>                                                                          | <b>67</b> | <b>DRS</b> | <b>90L4</b>  | 56          | 485                                                                                 |
|               | <b>29</b>        | 730           | 48.77   | 11000                | 1.10      | <b>KA</b>                                                                          | <b>67</b> | <b>DRS</b> | <b>90L4</b>  | 47          | 486                                                                                 |
|               | <b>32</b>        | 665           | 44.32   | 11500                | 1.25      | <b>KAF</b>                                                                         | <b>67</b> | <b>DRS</b> | <b>90L4</b>  | 53          | 485                                                                                 |
|               | <b>36</b>        | 575           | 38.39   | 12000                | 1.40      |                                                                                    |           |            |              |             |                                                                                     |
|               | <b>39</b>        | 530           | 35.62   | 12200                | 1.55      |                                                                                    |           |            |              |             |                                                                                     |
|               | <b>46</b>        | 450           | 30.22   | 12600                | 1.80      |                                                                                    |           |            |              |             |                                                                                     |
|               | <b>51</b>        | 405           | 27.28   | 12800                | 2.0       |                                                                                    |           |            |              |             |                                                                                     |
|               | <b>58</b>        | 360           | 24.00   | 12900                | 2.2       | <b>K</b>                                                                           | <b>67</b> | <b>DRS</b> | <b>90L4</b>  | 50          | 484                                                                                 |
|               | <b>62</b>        | 340           | 22.66   | 13000                | 2.3       | <b>KF</b>                                                                          | <b>67</b> | <b>DRS</b> | <b>90L4</b>  | 56          | 485                                                                                 |
|               | <b>73</b>        | 285           | 19.30   | 13000                | 2.6       | <b>KA</b>                                                                          | <b>67</b> | <b>DRS</b> | <b>90L4</b>  | 47          | 486                                                                                 |
|               | <b>80</b>        | 260           | 17.54   | 13000                | 2.8       | <b>KAF</b>                                                                         | <b>67</b> | <b>DRS</b> | <b>90L4</b>  | 53          | 485                                                                                 |
|               | <b>92</b>        | 225           | 15.19   | 13000                | 3.1       |                                                                                    |           |            |              |             |                                                                                     |
|               | <b>106</b>       | 198           | 13.22   | 13000                | 3.4       |                                                                                    |           |            |              |             |                                                                                     |
|               | <b>112</b>       | 187           | 12.48   | 13000                | 2.8       |                                                                                    |           |            |              |             |                                                                                     |
|               | <b>132</b>       | 160           | 10.63   | 13000                | 3.1       |                                                                                    |           |            |              |             |                                                                                     |
|               | <b>145</b>       | 145           | 9.66    | 13000                | 3.3       |                                                                                    |           |            |              |             |                                                                                     |
|               | <b>167</b>       | 126           | 8.37    | 13000                | 3.5       |                                                                                    |           |            |              |             |                                                                                     |
|               | <b>192</b>       | 109           | 7.28    | 12800                | 3.8       |                                                                                    |           |            |              |             |                                                                                     |
|               | <b>269</b>       | 78            | 5.20    | 11700                | 4.5       |                                                                                    |           |            |              |             |                                                                                     |
|               | <b>32</b>        | 665           | 44.43   | 4450                 | 0.90      | <b>K</b>                                                                           | <b>57</b> | <b>DRS</b> | <b>90L4</b>  | 44          | 479                                                                                 |
|               | <b>36</b>        | 575           | 38.49   | 7820                 | 1.05      | <b>KF</b>                                                                          | <b>57</b> | <b>DRS</b> | <b>90L4</b>  | 49          | 480                                                                                 |
|               | <b>39</b>        | 535           | 35.70   | 8140                 | 1.10      | <b>KA</b>                                                                          | <b>57</b> | <b>DRS</b> | <b>90L4</b>  | 42          | 481                                                                                 |
|               | <b>46</b>        | 450           | 30.28   | 8260                 | 1.30      | <b>KAF</b>                                                                         | <b>57</b> | <b>DRS</b> | <b>90L4</b>  | 48          | 480                                                                                 |
|               | <b>51</b>        | 410           | 27.34   | 8170                 | 1.45      |                                                                                    |           |            |              |             |                                                                                     |
|               | <b>58</b>        | 360           | 24.05   | 8040                 | 1.65      | <b>K</b>                                                                           | <b>57</b> | <b>DRS</b> | <b>90L4</b>  | 44          | 479                                                                                 |
|               | <b>62</b>        | 340           | 22.71   | 7980                 | 1.75      | <b>KF</b>                                                                          | <b>57</b> | <b>DRS</b> | <b>90L4</b>  | 49          | 480                                                                                 |
|               | <b>72</b>        | 290           | 19.34   | 7770                 | 2.00      | <b>KA</b>                                                                          | <b>57</b> | <b>DRS</b> | <b>90L4</b>  | 42          | 481                                                                                 |
|               | <b>80</b>        | 260           | 17.57   | 7640                 | 2.1       | <b>KAF</b>                                                                         | <b>57</b> | <b>DRS</b> | <b>90L4</b>  | 48          | 480                                                                                 |
|               | <b>92</b>        | 225           | 15.22   | 7440                 | 2.3       |                                                                                    |           |            |              |             |                                                                                     |
|               | <b>106</b>       | 199           | 13.25   | 7230                 | 2.6       |                                                                                    |           |            |              |             |                                                                                     |
|               | <b>117</b>       | 179           | 11.92   | 6900                 | 2.3       |                                                                                    |           |            |              |             |                                                                                     |
|               | <b>124</b>       | 169           | 11.26   | 6820                 | 2.5       |                                                                                    |           |            |              |             |                                                                                     |

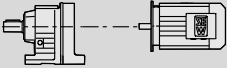


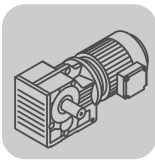
| $P_m$<br>[kW] | $n_a$<br>[1/min] | $M_a$<br>[Nm] | $i$   | $F_{Ra}^{1)}$<br>[N] | SEW $f_B$ |  |        |     |       | $m$<br>[kg] |  |
|---------------|------------------|---------------|-------|----------------------|-----------|------------------------------------------------------------------------------------|--------|-----|-------|-------------|-------------------------------------------------------------------------------------|
| 2.2           | 54               | 385           | 25.91 | 5250                 | 1.05      | K                                                                                  | 47     | DRS | 90L4  | 38          | 474                                                                                 |
|               | 64               | 325           | 21.81 | 5260                 | 1.20      | KF                                                                                 | 47     | DRS | 90L4  | 42          | 475                                                                                 |
|               | 72               | 290           | 19.58 | 5240                 | 1.35      | KA                                                                                 | 47     | DRS | 90L4  | 38          | 476                                                                                 |
|               |                  |               |       |                      |           | KAF                                                                                | 47     | DRS | 90L4  | 40          | 475                                                                                 |
|               | 83               | 250           | 16.86 | 5190                 | 1.50      |                                                                                    |        |     |       |             |                                                                                     |
|               | 88               | 235           | 15.86 | 5160                 | 1.60      |                                                                                    |        |     |       |             |                                                                                     |
|               | 103              | 200           | 13.65 | 5080                 | 1.75      | K                                                                                  | 47     | DRS | 90L4  | 38          | 474                                                                                 |
|               | 115              | 183           | 12.19 | 5000                 | 1.90      | KF                                                                                 | 47     | DRS | 90L4  | 42          | 475                                                                                 |
|               | 119              | 177           | 11.77 | 4890                 | 1.60      | KA                                                                                 | 47     | DRS | 90L4  | 38          | 476                                                                                 |
|               | 133              | 158           | 10.56 | 4810                 | 1.75      | KAF                                                                                | 47     | DRS | 90L4  | 40          | 475                                                                                 |
|               | 154              | 136           | 9.10  | 4700                 | 2.0       |                                                                                    |        |     |       |             |                                                                                     |
|               | 107              | 196           | 13.08 | 2360                 | 0.85      |                                                                                    |        |     |       |             |                                                                                     |
|               | 133              | 157           | 10.49 | 2430                 | 1.00      |                                                                                    |        |     |       |             |                                                                                     |
|               | 157              | 134           | 8.91  | 2440                 | 1.20      | K                                                                                  | 37     | DRS | 90L4  | 31          | 469                                                                                 |
|               | 176              | 119           | 7.96  | 2430                 | 1.30      | KF                                                                                 | 37     | DRS | 90L4  | 34          | 470                                                                                 |
|               | 206              | 102           | 6.80  | 2410                 | 1.45      | KA                                                                                 | 37     | DRS | 90L4  | 31          | 471                                                                                 |
|               | 220              | 96            | 6.37  | 2400                 | 1.50      | KAF                                                                                | 37     | DRS | 90L4  | 33          | 470                                                                                 |
|               | 261              | 80            | 5.36  | 2350                 | 1.75      |                                                                                    |        |     |       |             |                                                                                     |
|               | 352              | 60            | 3.98  | 2250                 | 2.1       |                                                                                    |        |     |       |             |                                                                                     |
| 3.0           | 0.50             | 50800         | 2818  | 190000               | 1.00      | K                                                                                  | 187R97 | DRS | 100M4 | 1780        | 523                                                                                 |
|               |                  |               |       |                      |           | KH                                                                                 | 187R97 | DRS | 100M4 | 1710        | 523                                                                                 |
|               | 0.46             | 57400         | 3062  | 190000               | 0.85      |                                                                                    |        |     |       |             |                                                                                     |
|               | 0.56             | 47000         | 2519  | 190000               | 1.05      |                                                                                    |        |     |       |             |                                                                                     |
|               | 0.62             | 42200         | 2268  | 190000               | 1.20      |                                                                                    |        |     |       |             |                                                                                     |
|               | 0.68             | 38100         | 2054  | 190000               | 1.30      | K                                                                                  | 187R97 | DRS | 100M4 | 1780        | 523                                                                                 |
|               | 0.77             | 33600         | 1821  | 190000               | 1.50      | KH                                                                                 | 187R97 | DRS | 100M4 | 1710        | 523                                                                                 |
|               | 0.87             | 29700         | 1605  | 190000               | 1.70      |                                                                                    |        |     |       |             |                                                                                     |
|               | 1.0              | 25400         | 1395  | 190000               | 1.95      |                                                                                    |        |     |       |             |                                                                                     |
|               | 1.2              | 22000         | 1196  | 190000               | 2.3       |                                                                                    |        |     |       |             |                                                                                     |
|               | 0.82             | 31900         | 1704  | 150000               | 1.00      |                                                                                    |        |     |       |             |                                                                                     |
|               | 0.99             | 26400         | 1408  | 150000               | 1.20      |                                                                                    |        |     |       |             |                                                                                     |
|               | 1.1              | 24200         | 1296  | 150000               | 1.30      | K                                                                                  | 167R97 | DRS | 100M4 | 1200        | 523                                                                                 |
|               | 1.3              | 20300         | 1101  | 150000               | 1.55      | KH                                                                                 | 167R97 | DRS | 100M4 | 1160        | 523                                                                                 |
|               | 1.5              | 17500         | 944   | 150000               | 1.85      |                                                                                    |        |     |       |             |                                                                                     |
|               | 1.7              | 15400         | 843   | 150000               | 2.1       |                                                                                    |        |     |       |             |                                                                                     |
|               | 1.8              | 13900         | 757   | 150000               | 2.3       |                                                                                    |        |     |       |             |                                                                                     |
|               | 1.1              | 22800         | 1229  | 109300               | 0.80      |                                                                                    |        |     |       |             |                                                                                     |
|               | 1.3              | 20300         | 1093  | 110900               | 0.90      | K                                                                                  | 157R97 | DRS | 100M4 | 800         | 523                                                                                 |
|               | 1.5              | 17500         | 942   | 112400               | 1.05      | KF                                                                                 | 157R97 | DRS | 100M4 | 880         | 523                                                                                 |
|               | 1.6              | 15800         | 854   | 113200               | 1.15      | KA                                                                                 | 157R97 | DRS | 100M4 | 770         | 523                                                                                 |
|               | 1.8              | 13800         | 756   | 114000               | 1.30      | KAF                                                                                | 157R97 | DRS | 100M4 | 830         | 523                                                                                 |
|               | 2.5              | 10400         | 567   | 115200               | 1.70      |                                                                                    |        |     |       |             |                                                                                     |
|               | 2.8              | 9310          | 504   | 115500               | 1.95      |                                                                                    |        |     |       |             |                                                                                     |
|               | 2.6              | 9970          | 536   | 80700                | 1.30      |                                                                                    |        |     |       |             |                                                                                     |
|               | 3.0              | 8750          | 473   | 81200                | 1.50      | K                                                                                  | 127R87 | DRS | 100M4 | 510         | 523                                                                                 |
|               | 3.4              | 7860          | 418   | 81500                | 1.65      | KF                                                                                 | 127R87 | DRS | 100M4 | 550         | 523                                                                                 |
|               | 3.8              | 6880          | 367   | 81800                | 1.90      | KA                                                                                 | 127R87 | DRS | 100M4 | 480         | 523                                                                                 |
|               | 4.2              | 6170          | 330   | 82000                | 2.1       | KAF                                                                                | 127R87 | DRS | 100M4 | 520         | 523                                                                                 |
|               | 4.9              | 5300          | 287   | 82200                | 2.4       |                                                                                    |        |     |       |             |                                                                                     |
|               | 1.8              | 14800         | 790   | 76300                | 0.90      |                                                                                    |        |     |       |             |                                                                                     |
|               | 2.0              | 13300         | 704   | 79000                | 1.00      | K                                                                                  | 127R77 | DRS | 100M4 | 490         | 523                                                                                 |
|               | 2.3              | 11400         | 610   | 80000                | 1.15      | KF                                                                                 | 127R77 | DRS | 100M4 | 530         | 523                                                                                 |
|               | 2.6              | 10300         | 549   | 80500                | 1.25      | KA                                                                                 | 127R77 | DRS | 100M4 | 460         | 523                                                                                 |
|               | 2.9              | 8960          | 477   | 81100                | 1.45      | KAF                                                                                | 127R77 | DRS | 100M4 | 500         | 523                                                                                 |
|               | 3.4              | 7890          | 418   | 81500                | 1.65      |                                                                                    |        |     |       |             |                                                                                     |
|               | 3.0              | 8650          | 461   | 65000                | 0.90      |                                                                                    |        |     |       |             |                                                                                     |
|               | 3.4              | 7660          | 408   | 65000                | 1.05      |                                                                                    |        |     |       |             |                                                                                     |
|               | 3.8              | 6860          | 364   | 65000                | 1.15      |                                                                                    |        |     |       |             |                                                                                     |
|               | 4.4              | 6000          | 318   | 65000                | 1.35      | K                                                                                  | 107R77 | DRS | 100M4 | 330         | 523                                                                                 |
|               | 4.9              | 5400          | 286   | 65000                | 1.50      | KF                                                                                 | 107R77 | DRS | 100M4 | 340         | 523                                                                                 |
|               | 5.6              | 4730          | 251   | 65000                | 1.70      | KA                                                                                 | 107R77 | DRS | 100M4 | 300         | 523                                                                                 |
|               | 6.3              | 4160          | 222   | 65000                | 1.90      | KAF                                                                                | 107R77 | DRS | 100M4 | 325         | 523                                                                                 |
|               | 7.1              | 3690          | 196   | 65000                | 2.2       |                                                                                    |        |     |       |             |                                                                                     |
|               | 8.1              | 3300          | 174   | 65000                | 2.2       |                                                                                    |        |     |       |             |                                                                                     |
|               | 9.1              | 2920          | 154   | 65000                | 2.5       |                                                                                    |        |     |       |             |                                                                                     |
|               | 10               | 2650          | 140   | 65000                | 2.7       |                                                                                    |        |     |       |             |                                                                                     |

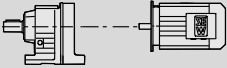


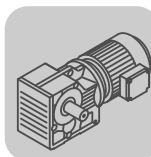
| $P_m$<br>[kW] | $n_a$<br>[1/min] | $M_a$<br>[Nm] | $i$     | $F_{Ra}^{1)}$<br>[N] | SEW $f_B$ |  |              |            |              | $m$<br>[kg] |  |
|---------------|------------------|---------------|---------|----------------------|-----------|------------------------------------------------------------------------------------|--------------|------------|--------------|-------------|-------------------------------------------------------------------------------------|
| <b>3.0</b>    | <b>5.4</b>       | 4930          | 258     | 40000                | 0.85      | <b>K</b>                                                                           | <b>97R57</b> | <b>DRS</b> | <b>100M4</b> | 200         | 523                                                                                 |
|               | <b>6.0</b>       | 4430          | 232     | 40000                | 0.95      | <b>KF</b>                                                                          | <b>97R57</b> | <b>DRS</b> | <b>100M4</b> | 220         | 523                                                                                 |
|               | <b>7.0</b>       | 3800          | 199     | 40000                | 1.15      | <b>KA</b>                                                                          | <b>97R57</b> | <b>DRS</b> | <b>100M4</b> | 180         | 523                                                                                 |
|               |                  |               |         |                      |           | <b>KAF</b>                                                                         | <b>97R57</b> | <b>DRS</b> | <b>100M4</b> | 205         | 523                                                                                 |
|               | <b>6.6</b>       | 4340          | 143.47* | 65000                | 1.85      | <b>K</b>                                                                           | <b>107</b>   | <b>DRS</b> | <b>112M6</b> | 305         | 504                                                                                 |
|               | <b>7.8</b>       | 3680          | 121.46  | 65000                | 2.2       | <b>KF</b>                                                                          | <b>107</b>   | <b>DRS</b> | <b>112M6</b> | 315         | 505                                                                                 |
|               | <b>8.4</b>       | 3400          | 112.41* | 65000                | 2.4       | <b>KA</b>                                                                          | <b>107</b>   | <b>DRS</b> | <b>112M6</b> | 275         | 506                                                                                 |
|               | <b>9.4</b>       | 3050          | 100.75  | 65000                | 2.6       | <b>KAF</b>                                                                         | <b>107</b>   | <b>DRS</b> | <b>112M6</b> | 300         | 505                                                                                 |
|               |                  |               |         |                      |           | <b>K</b>                                                                           | <b>107</b>   | <b>DRS</b> | <b>100M4</b> | 290         | 504                                                                                 |
|               | <b>9.8</b>       | 2930          | 143.47* | 65000                | 2.7       | <b>KF</b>                                                                          | <b>107</b>   | <b>DRS</b> | <b>100M4</b> | 300         | 505                                                                                 |
|               | <b>12</b>        | 2480          | 121.46  | 65000                | 3.2       | <b>KA</b>                                                                          | <b>107</b>   | <b>DRS</b> | <b>100M4</b> | 265         | 506                                                                                 |
|               |                  |               |         |                      |           | <b>KAF</b>                                                                         | <b>107</b>   | <b>DRS</b> | <b>100M4</b> | 285         | 505                                                                                 |
|               |                  |               |         |                      |           | <b>K</b>                                                                           | <b>97</b>    | <b>DRS</b> | <b>112M6</b> | 190         | 499                                                                                 |
|               | <b>7.6</b>       | 3750          | 123.93* | 40000                | 1.15      | <b>KF</b>                                                                          | <b>97</b>    | <b>DRS</b> | <b>112M6</b> | 210         | 500                                                                                 |
|               |                  |               |         |                      |           | <b>KA</b>                                                                          | <b>97</b>    | <b>DRS</b> | <b>112M6</b> | 170         | 501                                                                                 |
|               |                  |               |         |                      |           | <b>KAF</b>                                                                         | <b>97</b>    | <b>DRS</b> | <b>112M6</b> | 195         | 500                                                                                 |
|               | <b>9.0</b>       | 3180          | 105.13  | 40000                | 1.35      | <b>K</b>                                                                           | <b>97</b>    | <b>DRS</b> | <b>112M6</b> | 190         | 499                                                                                 |
|               | <b>9.8</b>       | 2930          | 96.80   | 40000                | 1.45      | <b>KF</b>                                                                          | <b>97</b>    | <b>DRS</b> | <b>112M6</b> | 210         | 500                                                                                 |
|               | <b>11</b>        | 2620          | 86.52   | 40000                | 1.65      | <b>KA</b>                                                                          | <b>97</b>    | <b>DRS</b> | <b>112M6</b> | 170         | 501                                                                                 |
|               |                  |               |         |                      |           | <b>KAF</b>                                                                         | <b>97</b>    | <b>DRS</b> | <b>112M6</b> | 195         | 500                                                                                 |
|               | <b>8.0</b>       | 3600          | 176.05* | 40000                | 1.20      | <b>K</b>                                                                           | <b>97</b>    | <b>DRS</b> | <b>100M4</b> | 175         | 499                                                                                 |
|               | <b>9.1</b>       | 3130          | 153.21* | 40000                | 1.35      | <b>KF</b>                                                                          | <b>97</b>    | <b>DRS</b> | <b>100M4</b> | 195         | 500                                                                                 |
|               | <b>10.0</b>      | 2870          | 140.28  | 40000                | 1.50      | <b>KA</b>                                                                          | <b>97</b>    | <b>DRS</b> | <b>100M4</b> | 155         | 501                                                                                 |
|               | <b>11</b>        | 2530          | 123.93* | 40000                | 1.70      | <b>KAF</b>                                                                         | <b>97</b>    | <b>DRS</b> | <b>100M4</b> | 180         | 500                                                                                 |
|               | <b>13</b>        | 2150          | 105.13  | 40000                | 2.0       | <b>K</b><br><b>KF</b><br><b>KA</b><br><b>KAF</b>                                   | <b>97</b>    | <b>DRS</b> | <b>100M4</b> | 175         | 499                                                                                 |
|               | <b>14</b>        | 1980          | 96.80   | 40000                | 2.2       |                                                                                    |              |            |              |             |                                                                                     |
|               | <b>16</b>        | 1770          | 86.52   | 40000                | 2.4       |                                                                                    |              |            |              |             |                                                                                     |
|               | <b>18</b>        | 1590          | 77.89*  | 40000                | 2.7       |                                                                                    |              |            |              |             |                                                                                     |
|               | <b>20</b>        | 1440          | 70.54   | 40000                | 3.0       |                                                                                    |              |            |              |             |                                                                                     |
|               | <b>22</b>        | 1270          | 62.55   | 40000                | 3.4       | <b>K</b><br><b>KF</b><br><b>KA</b><br><b>KAF</b>                                   | <b>87</b>    | <b>DRS</b> | <b>100M4</b> | 115         | 494                                                                                 |
|               | <b>25</b>        | 1150          | 56.55   | 40000                | 3.7       |                                                                                    |              |            |              |             |                                                                                     |
|               | <b>9.5</b>       | 3010          | 147.32* | 26900                | 0.90      |                                                                                    |              |            |              |             |                                                                                     |
|               | <b>11</b>        | 2590          | 126.91* | 27400                | 1.05      |                                                                                    |              |            |              |             |                                                                                     |
|               | <b>12</b>        | 2360          | 115.82  | 27700                | 1.15      |                                                                                    |              |            |              |             |                                                                                     |
|               | <b>14</b>        | 2100          | 102.71* | 28000                | 1.30      |                                                                                    |              |            |              |             |                                                                                     |
|               | <b>16</b>        | 1760          | 86.34   | 28300                | 1.55      | <b>K</b><br><b>KF</b><br><b>KA</b><br><b>KAF</b>                                   | <b>87</b>    | <b>DRS</b> | <b>100M4</b> | 115         | 494                                                                                 |
|               | <b>18</b>        | 1620          | 79.34   | 28400                | 1.65      |                                                                                    |              |            |              |             |                                                                                     |
|               | <b>20</b>        | 1440          | 70.46   | 28500                | 1.85      |                                                                                    |              |            |              |             |                                                                                     |
|               | <b>22</b>        | 1280          | 63.00*  | 28600                | 2.1       |                                                                                    |              |            |              |             |                                                                                     |
|               | <b>25</b>        | 1150          | 56.64   | 28700                | 2.3       |                                                                                    |              |            |              |             |                                                                                     |
|               | <b>28</b>        | 1000          | 49.16   | 28800                | 2.7       | <b>K</b><br><b>KF</b><br><b>KA</b><br><b>KAF</b>                                   | <b>77</b>    | <b>DRS</b> | <b>100M4</b> | 80          | 489                                                                                 |
|               | <b>32</b>        | 900           | 44.02   | 28800                | 2.9       |                                                                                    |              |            |              |             |                                                                                     |
|               | <b>38</b>        | 745           | 36.52*  | 28400                | 3.4       |                                                                                    |              |            |              |             |                                                                                     |
|               | <b>16</b>        | 1820          | 88.97   | 13100                | 0.85      |                                                                                    |              |            |              |             |                                                                                     |
|               | <b>18</b>        | 1590          | 78.07   | 15000                | 0.95      | <b>K</b><br><b>KF</b><br><b>KA</b><br><b>KAF</b>                                   | <b>67</b>    | <b>DRS</b> | <b>100M4</b> | 55          | 484                                                                                 |
|               | <b>19</b>        | 1510          | 73.99   | 15600                | 1.00      |                                                                                    |              |            |              |             |                                                                                     |
|               | <b>22</b>        | 1320          | 64.75   | 16800                | 1.15      |                                                                                    |              |            |              |             |                                                                                     |
|               | <b>24</b>        | 1190          | 58.34   | 17500                | 1.30      |                                                                                    |              |            |              |             |                                                                                     |
|               | <b>27</b>        | 1040          | 51.18   | 18100                | 1.50      |                                                                                    |              |            |              |             |                                                                                     |
|               | <b>31</b>        | 920           | 45.16   | 18600                | 1.70      | <b>K</b><br><b>KF</b><br><b>KA</b><br><b>KAF</b>                                   | <b>67</b>    | <b>DRS</b> | <b>100M4</b> | 61          | 485                                                                                 |
|               | <b>35</b>        | 810           | 40.04   | 18900                | 1.90      |                                                                                    |              |            |              |             |                                                                                     |
|               | <b>40</b>        | 720           | 35.20   | 19200                | 2.2       |                                                                                    |              |            |              |             |                                                                                     |
|               | <b>45</b>        | 630           | 30.89   | 19400                | 2.4       |                                                                                    |              |            |              |             |                                                                                     |
|               | <b>32</b>        | 900           | 44.32   | 9450                 | 0.90      | <b>K</b><br><b>KF</b><br><b>KA</b><br><b>KAF</b>                                   | <b>67</b>    | <b>DRS</b> | <b>100M4</b> | 52          | 486                                                                                 |
|               | <b>36</b>        | 785           | 38.39   | 10600                | 1.00      |                                                                                    |              |            |              |             |                                                                                     |
|               | <b>39</b>        | 725           | 35.62   | 11100                | 1.15      |                                                                                    |              |            |              |             |                                                                                     |
|               | <b>46</b>        | 615           | 30.22   | 11800                | 1.35      |                                                                                    |              |            |              |             |                                                                                     |
|               | <b>51</b>        | 555           | 27.28   | 12100                | 1.45      |                                                                                    |              |            |              |             |                                                                                     |
|               | <b>58</b>        | 490           | 24.00   | 12400                | 1.65      | <b>K</b><br><b>KF</b><br><b>KA</b><br><b>KAF</b>                                   | <b>67</b>    | <b>DRS</b> | <b>100M4</b> | 58          | 485                                                                                 |
|               | <b>62</b>        | 460           | 22.66   | 12600                | 1.70      |                                                                                    |              |            |              |             |                                                                                     |
|               | <b>73</b>        | 390           | 19.30   | 12800                | 1.95      |                                                                                    |              |            |              |             |                                                                                     |
|               | <b>80</b>        | 355           | 17.54   | 13000                | 2.1       |                                                                                    |              |            |              |             |                                                                                     |
|               | <b>92</b>        | 310           | 15.19   | 13000                | 2.2       |                                                                                    |              |            |              |             |                                                                                     |
|               | <b>106</b>       | 270           | 13.22   | 13000                | 2.5       | <b>K</b><br><b>KF</b><br><b>KA</b><br><b>KAF</b>                                   | <b>67</b>    | <b>DRS</b> | <b>100M4</b> | 52          | 486                                                                                 |
|               | <b>112</b>       | 255           | 12.48   | 13000                | 2.1       |                                                                                    |              |            |              |             |                                                                                     |
|               | <b>132</b>       | 215           | 10.63   | 13000                | 2.3       |                                                                                    |              |            |              |             |                                                                                     |
|               | <b>145</b>       | 198           | 9.66    | 13000                | 2.4       |                                                                                    |              |            |              |             |                                                                                     |

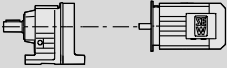


| $P_m$<br>[kW] | $n_a$<br>[1/min] | $M_a$<br>[Nm] | $i$   | $F_{Ra}^{1)}$<br>[N] | SEW $f_B$ |  |         |     |        | $m$<br>[kg] |  |
|---------------|------------------|---------------|-------|----------------------|-----------|------------------------------------------------------------------------------------|---------|-----|--------|-------------|-------------------------------------------------------------------------------------|
| 3.0           | 46               | 615           | 30.28 | 7180                 | 0.95      | K                                                                                  | 57      | DRS | 100M4  | 49          | 479                                                                                 |
|               | 51               | 555           | 27.34 | 7190                 | 1.05      | KF                                                                                 | 57      | DRS | 100M4  | 54          | 480                                                                                 |
|               | 58               | 490           | 24.05 | 7180                 | 1.20      | KA                                                                                 | 57      | DRS | 100M4  | 47          | 481                                                                                 |
|               |                  |               |       |                      |           | KAF                                                                                | 57      | DRS | 100M4  | 53          | 480                                                                                 |
|               | 62               | 460           | 22.71 | 7160                 | 1.30      |                                                                                    |         |     |        |             |                                                                                     |
|               | 72               | 395           | 19.34 | 7080                 | 1.45      |                                                                                    |         |     |        |             |                                                                                     |
|               | 80               | 355           | 17.57 | 7020                 | 1.55      |                                                                                    |         |     |        |             |                                                                                     |
|               | 92               | 310           | 15.22 | 6890                 | 1.70      |                                                                                    |         |     |        |             |                                                                                     |
|               | 106              | 270           | 13.25 | 6750                 | 1.90      |                                                                                    |         |     |        |             |                                                                                     |
|               | 117              | 240           | 11.92 | 6420                 | 1.70      | K                                                                                  | 57      | DRS | 100M4  | 49          | 479                                                                                 |
|               | 124              | 230           | 11.26 | 6360                 | 1.80      | KF                                                                                 | 57      | DRS | 100M4  | 54          | 480                                                                                 |
|               | 146              | 196           | 9.59  | 6200                 | 2.1       | KA                                                                                 | 57      | DRS | 100M4  | 47          | 481                                                                                 |
|               | 161              | 178           | 8.71  | 6090                 | 2.2       | KAF                                                                                | 57      | DRS | 100M4  | 53          | 480                                                                                 |
|               | 186              | 154           | 7.55  | 5920                 | 2.4       |                                                                                    |         |     |        |             |                                                                                     |
|               | 213              | 134           | 6.57  | 5750                 | 2.6       |                                                                                    |         |     |        |             |                                                                                     |
|               | 298              | 96            | 4.69  | 5320                 | 3.1       |                                                                                    |         |     |        |             |                                                                                     |
|               | 72               | 400           | 19.58 | 4430                 | 1.00      | K                                                                                  | 47      | DRS | 100M4  | 43          | 474                                                                                 |
|               | 83               | 345           | 16.86 | 4490                 | 1.10      | KF                                                                                 | 47      | DRS | 100M4  | 47          | 475                                                                                 |
|               | 88               | 320           | 15.86 | 4500                 | 1.15      | KA                                                                                 | 47      | DRS | 100M4  | 42          | 476                                                                                 |
|               |                  |               |       |                      |           | KAF                                                                                | 47      | DRS | 100M4  | 45          | 475                                                                                 |
|               | 103              | 275           | 13.65 | 4510                 | 1.30      |                                                                                    |         |     |        |             |                                                                                     |
|               | 115              | 245           | 12.19 | 4490                 | 1.40      |                                                                                    |         |     |        |             |                                                                                     |
|               | 119              | 240           | 11.77 | 4370                 | 1.15      |                                                                                    |         |     |        |             |                                                                                     |
|               | 133              | 215           | 10.56 | 4350                 | 1.30      | K                                                                                  | 47      | DRS | 100M4  | 43          | 474                                                                                 |
|               | 154              | 186           | 9.10  | 4290                 | 1.50      | KF                                                                                 | 47      | DRS | 100M4  | 47          | 475                                                                                 |
|               | 164              | 175           | 8.56  | 4270                 | 1.55      | KA                                                                                 | 47      | DRS | 100M4  | 42          | 476                                                                                 |
|               | 190              | 151           | 7.36  | 4190                 | 1.65      | KAF                                                                                | 47      | DRS | 100M4  | 45          | 475                                                                                 |
|               | 213              | 135           | 6.58  | 4120                 | 1.80      |                                                                                    |         |     |        |             |                                                                                     |
|               | 241              | 119           | 5.81  | 4030                 | 1.95      |                                                                                    |         |     |        |             |                                                                                     |
|               | 302              | 95            | 4.64  | 3860                 | 2.2       |                                                                                    |         |     |        |             |                                                                                     |
|               | 157              | 182           | 8.91  | 2000                 | 0.90      |                                                                                    |         |     |        |             |                                                                                     |
|               | 176              | 163           | 7.96  | 2040                 | 0.95      | K                                                                                  | 37      | DRS | 100M4  | 37          | 469                                                                                 |
|               | 206              | 139           | 6.80  | 2080                 | 1.10      | KF                                                                                 | 37      | DRS | 100M4  | 39          | 470                                                                                 |
|               | 220              | 130           | 6.37  | 2080                 | 1.10      | KA                                                                                 | 37      | DRS | 100M4  | 36          | 471                                                                                 |
|               | 261              | 110           | 5.36  | 2090                 | 1.30      | KAF                                                                                | 37      | DRS | 100M4  | 38          | 470                                                                                 |
|               | 352              | 81            | 3.98  | 2050                 | 1.55      |                                                                                    |         |     |        |             |                                                                                     |
| 4.0           | 1.7              | 19700         | 835   | 190000               | 2.5       | K                                                                                  | 187R107 | DRS | 100LC4 | 1830        | 523                                                                                 |
|               | 2.8              | 12400         | 520   | 190000               | 4.0       | KH                                                                                 | 187R107 | DRS | 100LC4 | 1760        | 523                                                                                 |
|               | 0.57             | 61000         | 2519  | 190000               | 0.80      |                                                                                    |         |     |        |             |                                                                                     |
|               | 0.64             | 54800         | 2268  | 190000               | 0.90      |                                                                                    |         |     |        |             |                                                                                     |
|               | 0.70             | 49500         | 2054  | 190000               | 1.00      |                                                                                    |         |     |        |             |                                                                                     |
|               | 0.79             | 43700         | 1821  | 190000               | 1.15      | K                                                                                  | 187R97  | DRS | 100LC4 | 1780        | 523                                                                                 |
|               | 0.90             | 38700         | 1605  | 190000               | 1.30      | KH                                                                                 | 187R97  | DRS | 100LC4 | 1720        | 523                                                                                 |
|               | 1.0              | 33200         | 1395  | 190000               | 1.50      |                                                                                    |         |     |        |             |                                                                                     |
|               | 1.2              | 28700         | 1196  | 190000               | 1.75      |                                                                                    |         |     |        |             |                                                                                     |
|               | 1.4              | 25100         | 1046  | 190000               | 2.00      |                                                                                    |         |     |        |             |                                                                                     |
|               | 1.5              | 22600         | 945   | 190000               | 2.2       |                                                                                    |         |     |        |             |                                                                                     |
|               | 1.0              | 34200         | 1408  | 150000               | 0.95      |                                                                                    |         |     |        |             |                                                                                     |
|               | 1.1              | 31400         | 1296  | 150000               | 1.00      |                                                                                    |         |     |        |             |                                                                                     |
|               | 1.3              | 26400         | 1101  | 150000               | 1.20      | K                                                                                  | 167R97  | DRS | 100LC4 | 1200        | 523                                                                                 |
|               | 1.5              | 22700         | 944   | 150000               | 1.40      | KH                                                                                 | 167R97  | DRS | 100LC4 | 1160        | 523                                                                                 |
|               | 1.7              | 20000         | 843   | 150000               | 1.60      |                                                                                    |         |     |        |             |                                                                                     |
|               | 1.9              | 18100         | 757   | 150000               | 1.75      |                                                                                    |         |     |        |             |                                                                                     |
|               | 2.3              | 15100         | 632   | 150000               | 2.1       |                                                                                    |         |     |        |             |                                                                                     |
|               | 1.7              | 20500         | 854   | 110800               | 0.85      | K                                                                                  | 157R97  | DRS | 100LC4 | 810         | 523                                                                                 |
|               | 1.9              | 18000         | 756   | 112200               | 1.00      | KF                                                                                 | 157R97  | DRS | 100LC4 | 890         | 523                                                                                 |
|               | 2.6              | 13600         | 567   | 114100               | 1.30      | KA                                                                                 | 157R97  | DRS | 100LC4 | 770         | 523                                                                                 |
|               | 2.9              | 12100         | 504   | 114600               | 1.50      | KAF                                                                                | 157R97  | DRS | 100LC4 | 830         | 523                                                                                 |
|               | 3.3              | 10300         | 434   | 115200               | 1.75      |                                                                                    |         |     |        |             |                                                                                     |
|               | 2.7              | 12900         | 536   | 79200                | 1.00      |                                                                                    |         |     |        |             |                                                                                     |
|               | 3.0              | 11300         | 473   | 80000                | 1.15      | K                                                                                  | 127R87  | DRS | 100LC4 | 510         | 523                                                                                 |
|               | 3.5              | 10200         | 418   | 80600                | 1.25      | KF                                                                                 | 127R87  | DRS | 100LC4 | 560         | 523                                                                                 |
|               | 3.9              | 8930          | 367   | 81100                | 1.45      | KA                                                                                 | 127R87  | DRS | 100LC4 | 485         | 523                                                                                 |
|               | 4.4              | 8010          | 330   | 81500                | 1.60      | KAF                                                                                | 127R87  | DRS | 100LC4 | 520         | 523                                                                                 |
|               | 5.0              | 6890          | 287   | 81800                | 1.90      |                                                                                    |         |     |        |             |                                                                                     |
|               | 5.7              | 6090          | 253   | 82000                | 2.1       |                                                                                    |         |     |        |             |                                                                                     |

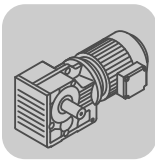


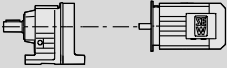
| $P_m$<br>[kW] | $n_a$<br>[1/min] | $M_a$<br>[Nm] | $i$     | $F_{Ra}^{1)}$<br>[N] | SEW $f_B$ |  |               |            |               | $m$<br>[kg] |  |
|---------------|------------------|---------------|---------|----------------------|-----------|------------------------------------------------------------------------------------|---------------|------------|---------------|-------------|-------------------------------------------------------------------------------------|
| <b>4.0</b>    | <b>2.4</b>       | 14900         | 610     | 76200                | 0.85      | <b>K</b>                                                                           | <b>127R77</b> | <b>DRS</b> | <b>100LC4</b> | 495         | 523                                                                                 |
|               | <b>2.6</b>       | 13400         | 549     | 78900                | 0.95      | <b>KF</b>                                                                          | <b>127R77</b> | <b>DRS</b> | <b>100LC4</b> | 540         | 523                                                                                 |
|               | <b>3.0</b>       | 11600         | 477     | 79900                | 1.10      | <b>KA</b>                                                                          | <b>127R77</b> | <b>DRS</b> | <b>100LC4</b> | 465         | 523                                                                                 |
|               | <b>3.4</b>       | 10200         | 418     | 80600                | 1.25      | <b>KAF</b>                                                                         | <b>127R77</b> | <b>DRS</b> | <b>100LC4</b> | 500         | 523                                                                                 |
|               | <b>4.0</b>       | 8890          | 364     | 65000                | 0.90      |                                                                                    |               |            |               |             |                                                                                     |
|               | <b>4.6</b>       | 7770          | 318     | 65000                | 1.05      |                                                                                    |               |            |               |             |                                                                                     |
|               | <b>5.0</b>       | 6990          | 286     | 65000                | 1.15      | <b>K</b>                                                                           | <b>107R77</b> | <b>DRS</b> | <b>100LC4</b> | 335         | 523                                                                                 |
|               | <b>5.8</b>       | 6130          | 251     | 65000                | 1.30      | <b>KF</b>                                                                          | <b>107R77</b> | <b>DRS</b> | <b>100LC4</b> | 345         | 523                                                                                 |
|               | <b>6.5</b>       | 5400          | 222     | 65000                | 1.50      | <b>KA</b>                                                                          | <b>107R77</b> | <b>DRS</b> | <b>100LC4</b> | 305         | 523                                                                                 |
|               | <b>7.4</b>       | 4780          | 196     | 65000                | 1.65      | <b>KAF</b>                                                                         | <b>107R77</b> | <b>DRS</b> | <b>100LC4</b> | 330         | 523                                                                                 |
|               | <b>8.3</b>       | 4270          | 174     | 65000                | 1.70      |                                                                                    |               |            |               |             |                                                                                     |
|               | <b>9.4</b>       | 3780          | 154     | 65000                | 1.90      |                                                                                    |               |            |               |             |                                                                                     |
|               | <b>10</b>        | 3430          | 140     | 65000                | 2.1       |                                                                                    |               |            |               |             |                                                                                     |
|               | <b>7.2</b>       | 4930          | 199     | 40000                | 0.85      | <b>K</b>                                                                           | <b>97R57</b>  | <b>DRS</b> | <b>100LC4</b> | 205         | 523                                                                                 |
|               |                  |               |         |                      |           | <b>KF</b>                                                                          | <b>97R57</b>  | <b>DRS</b> | <b>100LC4</b> | 225         | 523                                                                                 |
|               |                  |               |         |                      |           | <b>KA</b>                                                                          | <b>97R57</b>  | <b>DRS</b> | <b>100LC4</b> | 185         | 523                                                                                 |
|               |                  |               |         |                      |           | <b>KAF</b>                                                                         | <b>97R57</b>  | <b>DRS</b> | <b>100LC4</b> | 210         | 523                                                                                 |
|               | <b>6.4</b>       | 5930          | 146.07  | 82100                | 2.2       | <b>K</b>                                                                           | <b>127</b>    | <b>DRS</b> | <b>132S6</b>  | 470         | 509                                                                                 |
|               | <b>6.9</b>       | 5530          | 136.14  | 82200                | 2.4       | <b>KF</b>                                                                          | <b>127</b>    | <b>DRS</b> | <b>132S6</b>  | 510         | 510                                                                                 |
|               | <b>7.7</b>       | 4970          | 122.48  | 82300                | 2.6       | <b>KA</b>                                                                          | <b>127</b>    | <b>DRS</b> | <b>132S6</b>  | 440         | 511                                                                                 |
|               | <b>8.5</b>       | 4470          | 110.18  | 82400                | 2.9       | <b>KAF</b>                                                                         | <b>127</b>    | <b>DRS</b> | <b>132S6</b>  | 475         | 510                                                                                 |
|               | <b>6.6</b>       | 5830          | 143.47* | 65000                | 1.35      | <b>K</b>                                                                           | <b>107</b>    | <b>DRS</b> | <b>132S6</b>  | 305         | 504                                                                                 |
|               | <b>7.7</b>       | 4930          | 121.46  | 65000                | 1.60      | <b>KF</b>                                                                          | <b>107</b>    | <b>DRS</b> | <b>132S6</b>  | 320         | 505                                                                                 |
|               | <b>8.4</b>       | 4560          | 112.41* | 65000                | 1.75      | <b>KA</b>                                                                          | <b>107</b>    | <b>DRS</b> | <b>132S6</b>  | 280         | 506                                                                                 |
|               | <b>9.3</b>       | 4090          | 100.75  | 65000                | 1.95      | <b>KAF</b>                                                                         | <b>107</b>    | <b>DRS</b> | <b>132S6</b>  | 305         | 505                                                                                 |
|               | <b>10</b>        | 3690          | 90.96*  | 65000                | 2.2       |                                                                                    |               |            |               |             |                                                                                     |
|               | <b>10</b>        | 3790          | 143.47* | 65000                | 2.1       |                                                                                    |               |            |               |             |                                                                                     |
|               | <b>12</b>        | 3210          | 121.46  | 65000                | 2.5       | <b>K</b>                                                                           | <b>107</b>    | <b>DRS</b> | <b>100LC4</b> | 295         | 504                                                                                 |
|               | <b>13</b>        | 2970          | 112.41* | 65000                | 2.7       | <b>KF</b>                                                                          | <b>107</b>    | <b>DRS</b> | <b>100LC4</b> | 310         | 505                                                                                 |
|               | <b>14</b>        | 2660          | 100.75  | 65000                | 3.0       | <b>KA</b>                                                                          | <b>107</b>    | <b>DRS</b> | <b>100LC4</b> | 270         | 506                                                                                 |
|               | <b>16</b>        | 2400          | 90.96*  | 65000                | 3.3       | <b>KAF</b>                                                                         | <b>107</b>    | <b>DRS</b> | <b>100LC4</b> | 290         | 505                                                                                 |
|               | <b>17</b>        | 2180          | 82.61   | 65000                | 3.7       |                                                                                    |               |            |               |             |                                                                                     |
|               | <b>20</b>        | 1930          | 73.30   | 65000                | 4.1       |                                                                                    |               |            |               |             |                                                                                     |
|               | <b>9.4</b>       | 4050          | 153.21* | 40000                | 1.05      | <b>K</b>                                                                           | <b>97</b>     | <b>DRS</b> | <b>100LC4</b> | 180         | 499                                                                                 |
|               | <b>10</b>        | 3700          | 140.28  | 40000                | 1.15      | <b>KF</b>                                                                          | <b>97</b>     | <b>DRS</b> | <b>100LC4</b> | 200         | 500                                                                                 |
|               | <b>12</b>        | 3270          | 123.93* | 40000                | 1.30      | <b>KA</b>                                                                          | <b>97</b>     | <b>DRS</b> | <b>100LC4</b> | 160         | 501                                                                                 |
|               |                  |               |         |                      |           | <b>KAF</b>                                                                         | <b>97</b>     | <b>DRS</b> | <b>100LC4</b> | 185         | 500                                                                                 |
|               | <b>14</b>        | 2770          | 105.13  | 40000                | 1.55      | <b>K</b>                                                                           | <b>97</b>     | <b>DRS</b> | <b>100LC4</b> | 180         | 499                                                                                 |
|               | <b>15</b>        | 2550          | 96.80   | 40000                | 1.70      | <b>KF</b>                                                                          | <b>97</b>     | <b>DRS</b> | <b>100LC4</b> | 200         | 500                                                                                 |
|               | <b>17</b>        | 2280          | 86.52   | 40000                | 1.90      | <b>KA</b>                                                                          | <b>97</b>     | <b>DRS</b> | <b>100LC4</b> | 160         | 501                                                                                 |
|               | <b>19</b>        | 2050          | 77.89*  | 40000                | 2.1       | <b>KAF</b>                                                                         | <b>97</b>     | <b>DRS</b> | <b>100LC4</b> | 185         | 500                                                                                 |
|               | <b>20</b>        | 1860          | 70.54   | 40000                | 2.3       |                                                                                    |               |            |               |             |                                                                                     |
|               | <b>12</b>        | 3060          | 115.82  | 26800                | 0.90      | <b>K</b>                                                                           | <b>87</b>     | <b>DRS</b> | <b>100LC4</b> | 120         | 494                                                                                 |
|               | <b>14</b>        | 2710          | 102.71* | 27300                | 1.00      | <b>KF</b>                                                                          | <b>87</b>     | <b>DRS</b> | <b>100LC4</b> | 130         | 495                                                                                 |
|               | <b>17</b>        | 2280          | 86.34   | 27800                | 1.20      | <b>KA</b>                                                                          | <b>87</b>     | <b>DRS</b> | <b>100LC4</b> | 110         | 496                                                                                 |
|               | <b>18</b>        | 2090          | 79.34   | 28000                | 1.30      | <b>KAF</b>                                                                         | <b>87</b>     | <b>DRS</b> | <b>100LC4</b> | 120         | 495                                                                                 |
|               | <b>21</b>        | 1860          | 70.46   | 28200                | 1.45      | <b>K</b>                                                                           | <b>87</b>     | <b>DRS</b> | <b>100LC4</b> | 120         | 494                                                                                 |
|               | <b>23</b>        | 1660          | 63.00*  | 28300                | 1.60      | <b>KF</b>                                                                          | <b>87</b>     | <b>DRS</b> | <b>100LC4</b> | 130         | 495                                                                                 |
|               | <b>26</b>        | 1490          | 56.64   | 28500                | 1.80      | <b>KA</b>                                                                          | <b>87</b>     | <b>DRS</b> | <b>100LC4</b> | 110         | 496                                                                                 |
|               | <b>29</b>        | 1290          | 49.16   | 28600                | 2.1       | <b>KAF</b>                                                                         | <b>87</b>     | <b>DRS</b> | <b>100LC4</b> | 120         | 495                                                                                 |
|               | <b>33</b>        | 1160          | 44.02   | 28200                | 2.2       |                                                                                    |               |            |               |             |                                                                                     |
|               | <b>40</b>        | 960           | 36.52*  | 27200                | 2.6       |                                                                                    |               |            |               |             |                                                                                     |
|               | <b>22</b>        | 1710          | 64.75   | 14100                | 0.90      | <b>K</b>                                                                           | <b>77</b>     | <b>DRS</b> | <b>100LC4</b> | 85          | 489                                                                                 |
|               | <b>25</b>        | 1540          | 58.34   | 15400                | 1.00      | <b>KF</b>                                                                          | <b>77</b>     | <b>DRS</b> | <b>100LC4</b> | 93          | 490                                                                                 |
|               | <b>28</b>        | 1350          | 51.18   | 16600                | 1.15      | <b>KA</b>                                                                          | <b>77</b>     | <b>DRS</b> | <b>100LC4</b> | 77          | 491                                                                                 |
|               | <b>32</b>        | 1190          | 45.16   | 17500                | 1.30      | <b>KAF</b>                                                                         | <b>77</b>     | <b>DRS</b> | <b>100LC4</b> | 85          | 490                                                                                 |
|               | <b>36</b>        | 1050          | 40.04   | 18100                | 1.45      |                                                                                    |               |            |               |             |                                                                                     |
|               | <b>38</b>        | 1010          | 38.39   | 18300                | 1.50      |                                                                                    |               |            |               |             |                                                                                     |
|               | <b>41</b>        | 930           | 35.20   | 18600                | 1.65      | <b>K</b>                                                                           | <b>77</b>     | <b>DRS</b> | <b>100LC4</b> | 85          | 489                                                                                 |
|               | <b>47</b>        | 810           | 30.89   | 18900                | 1.90      | <b>KF</b>                                                                          | <b>77</b>     | <b>DRS</b> | <b>100LC4</b> | 93          | 490                                                                                 |
|               | <b>49</b>        | 770           | 29.27   | 19100                | 2.0       | <b>KA</b>                                                                          | <b>77</b>     | <b>DRS</b> | <b>100LC4</b> | 77          | 491                                                                                 |
|               | <b>56</b>        | 675           | 25.62   | 19300                | 2.3       | <b>KAF</b>                                                                         | <b>77</b>     | <b>DRS</b> | <b>100LC4</b> | 85          | 490                                                                                 |
|               | <b>63</b>        | 610           | 23.08   | 19500                | 2.5       |                                                                                    |               |            |               |             |                                                                                     |
|               | <b>71</b>        | 535           | 20.25   | 19600                | 2.8       |                                                                                    |               |            |               |             |                                                                                     |
|               | <b>48</b>        | 795           | 30.22   | 10500                | 1.05      | <b>K</b>                                                                           | <b>67</b>     | <b>DRS</b> | <b>100LC4</b> | 60          | 484                                                                                 |
|               | <b>53</b>        | 720           | 27.28   | 11100                | 1.15      | <b>KF</b>                                                                          | <b>67</b>     | <b>DRS</b> | <b>100LC4</b> | 66          | 485                                                                                 |
|               | <b>60</b>        | 630           | 24.00   | 11700                | 1.25      | <b>KA</b>                                                                          | <b>67</b>     | <b>DRS</b> | <b>100LC4</b> | 57          | 486                                                                                 |
|               | <b>64</b>        | 595           | 22.66   | 11900                | 1.30      | <b>KAF</b>                                                                         | <b>67</b>     | <b>DRS</b> | <b>100LC4</b> | 63          | 485                                                                                 |

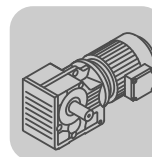


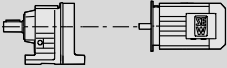
| $P_m$<br>[kW] | $n_a$<br>[1/min] | $M_a$<br>[Nm] | $i$     | $F_{Ra}^{1)}$<br>[N] | SEW $f_B$ |  |               |            |               | $m$<br>[kg] |  |
|---------------|------------------|---------------|---------|----------------------|-----------|------------------------------------------------------------------------------------|---------------|------------|---------------|-------------|-------------------------------------------------------------------------------------|
| <b>4.0</b>    | <b>75</b>        | 505           | 19.30   | 12400                | 1.50      |                                                                                    |               |            |               |             |                                                                                     |
|               | <b>82</b>        | 460           | 17.54   | 12600                | 1.60      |                                                                                    |               |            |               |             |                                                                                     |
|               | <b>95</b>        | 400           | 15.19   | 12800                | 1.75      |                                                                                    |               |            |               |             |                                                                                     |
|               | <b>109</b>       | 345           | 13.22   | 13000                | 1.90      | <b>K</b>                                                                           | <b>67</b>     | <b>DRS</b> | <b>100LC4</b> | 60          | 484                                                                                 |
|               | <b>116</b>       | 325           | 12.48   | 13000                | 1.60      | <b>KF</b>                                                                          | <b>67</b>     | <b>DRS</b> | <b>100LC4</b> | 66          | 485                                                                                 |
|               | <b>136</b>       | 280           | 10.63   | 13000                | 1.80      | <b>KA</b>                                                                          | <b>67</b>     | <b>DRS</b> | <b>100LC4</b> | 57          | 486                                                                                 |
|               | <b>150</b>       | 255           | 9.66    | 12800                | 1.90      | <b>KAF</b>                                                                         | <b>67</b>     | <b>DRS</b> | <b>100LC4</b> | 63          | 485                                                                                 |
|               | <b>173</b>       | 220           | 8.37    | 12500                | 2.00      |                                                                                    |               |            |               |             |                                                                                     |
|               | <b>198</b>       | 192           | 7.28    | 12100                | 2.2       |                                                                                    |               |            |               |             |                                                                                     |
|               | <b>278</b>       | 138           | 5.20    | 11200                | 2.6       |                                                                                    |               |            |               |             |                                                                                     |
|               | <b>60</b>        | 635           | 24.05   | 6130                 | 0.95      |                                                                                    |               |            |               |             |                                                                                     |
|               | <b>64</b>        | 600           | 22.71   | 6170                 | 1.00      |                                                                                    |               |            |               |             |                                                                                     |
|               | <b>75</b>        | 510           | 19.34   | 6220                 | 1.10      |                                                                                    |               |            |               |             |                                                                                     |
|               | <b>82</b>        | 460           | 17.57   | 6230                 | 1.20      |                                                                                    |               |            |               |             |                                                                                     |
|               | <b>95</b>        | 400           | 15.22   | 6200                 | 1.35      | <b>K</b>                                                                           | <b>57</b>     | <b>DRS</b> | <b>100LC4</b> | 54          | 479                                                                                 |
|               | <b>109</b>       | 350           | 13.25   | 6140                 | 1.45      | <b>KF</b>                                                                          | <b>57</b>     | <b>DRS</b> | <b>100LC4</b> | 59          | 480                                                                                 |
|               | <b>121</b>       | 315           | 11.92   | 5800                 | 1.30      | <b>KA</b>                                                                          | <b>57</b>     | <b>DRS</b> | <b>100LC4</b> | 52          | 481                                                                                 |
|               | <b>128</b>       | 295           | 11.26   | 5780                 | 1.40      | <b>KAF</b>                                                                         | <b>57</b>     | <b>DRS</b> | <b>100LC4</b> | 58          | 480                                                                                 |
|               | <b>151</b>       | 250           | 9.59    | 5690                 | 1.60      |                                                                                    |               |            |               |             |                                                                                     |
|               | <b>166</b>       | 230           | 8.71    | 5630                 | 1.70      |                                                                                    |               |            |               |             |                                                                                     |
|               | <b>191</b>       | 200           | 7.55    | 5510                 | 1.85      |                                                                                    |               |            |               |             |                                                                                     |
|               | <b>220</b>       | 174           | 6.57    | 5390                 | 2.00      |                                                                                    |               |            |               |             |                                                                                     |
|               | <b>308</b>       | 124           | 4.69    | 5050                 | 2.4       |                                                                                    |               |            |               |             |                                                                                     |
| <b>5.5</b>    | <b>0.79</b>      | 60600         | 1821    | 190000               | 0.80      |                                                                                    |               |            |               |             |                                                                                     |
|               | <b>0.90</b>      | 53500         | 1605    | 190000               | 0.95      |                                                                                    |               |            |               |             |                                                                                     |
|               | <b>1.0</b>       | 46100         | 1395    | 190000               | 1.10      |                                                                                    |               |            |               |             |                                                                                     |
|               | <b>1.2</b>       | 39800         | 1196    | 190000               | 1.25      | <b>K</b>                                                                           | <b>187R97</b> | <b>DRS</b> | <b>132S4</b>  | 1800        | 523                                                                                 |
|               | <b>1.4</b>       | 34800         | 1046    | 190000               | 1.45      | <b>KH</b>                                                                          | <b>187R97</b> | <b>DRS</b> | <b>132S4</b>  | 1730        | 523                                                                                 |
|               | <b>1.5</b>       | 31300         | 945     | 190000               | 1.60      |                                                                                    |               |            |               |             |                                                                                     |
|               | <b>2.0</b>       | 24500         | 738     | 190000               | 2.0       |                                                                                    |               |            |               |             |                                                                                     |
|               | <b>2.3</b>       | 20600         | 621     | 190000               | 2.4       |                                                                                    |               |            |               |             |                                                                                     |
|               | <b>1.3</b>       | 36600         | 1101    | 150000               | 0.85      |                                                                                    |               |            |               |             |                                                                                     |
|               | <b>1.5</b>       | 31500         | 944     | 150000               | 1.00      |                                                                                    |               |            |               |             |                                                                                     |
|               | <b>1.7</b>       | 27900         | 843     | 150000               | 1.15      |                                                                                    |               |            |               |             |                                                                                     |
|               | <b>1.9</b>       | 25100         | 757     | 150000               | 1.25      | <b>K</b>                                                                           | <b>167R97</b> | <b>DRS</b> | <b>132S4</b>  | 1220        | 523                                                                                 |
|               | <b>2.3</b>       | 21000         | 632     | 150000               | 1.50      | <b>KH</b>                                                                          | <b>167R97</b> | <b>DRS</b> | <b>132S4</b>  | 1180        | 523                                                                                 |
|               | <b>2.6</b>       | 18400         | 561     | 150000               | 1.75      |                                                                                    |               |            |               |             |                                                                                     |
|               | <b>3.0</b>       | 16000         | 481     | 150000               | 2.0       |                                                                                    |               |            |               |             |                                                                                     |
|               | <b>3.4</b>       | 13900         | 423     | 150000               | 2.3       |                                                                                    |               |            |               |             |                                                                                     |
|               | <b>2.2</b>       | 21700         | 661     | 110100               | 0.85      | <b>K</b>                                                                           | <b>157R97</b> | <b>DRS</b> | <b>132S4</b>  | 820         | 523                                                                                 |
|               | <b>2.6</b>       | 18800         | 567     | 111700               | 0.95      | <b>KF</b>                                                                          | <b>157R97</b> | <b>DRS</b> | <b>132S4</b>  | 900         | 523                                                                                 |
|               | <b>2.9</b>       | 16700         | 504     | 112800               | 1.05      | <b>KA</b>                                                                          | <b>157R97</b> | <b>DRS</b> | <b>132S4</b>  | 790         | 523                                                                                 |
|               | <b>3.3</b>       | 14300         | 434     | 113800               | 1.25      | <b>KAF</b>                                                                         | <b>157R97</b> | <b>DRS</b> | <b>132S4</b>  | 850         | 523                                                                                 |
|               | <b>3.8</b>       | 12400         | 379     | 114500               | 1.45      |                                                                                    |               |            |               |             |                                                                                     |
|               | <b>4.3</b>       | 11000         | 333     | 115000               | 1.65      |                                                                                    |               |            |               |             |                                                                                     |
|               | <b>3.5</b>       | 14100         | 418     | 77700                | 0.90      |                                                                                    |               |            |               |             |                                                                                     |
|               | <b>3.9</b>       | 12300         | 367     | 79600                | 1.05      |                                                                                    |               |            |               |             |                                                                                     |
|               | <b>4.4</b>       | 11000         | 330     | 80200                | 1.15      | <b>K</b>                                                                           | <b>127R87</b> | <b>DRS</b> | <b>132S4</b>  | 530         | 523                                                                                 |
|               | <b>5.0</b>       | 9540          | 287     | 80900                | 1.35      | <b>KF</b>                                                                          | <b>127R87</b> | <b>DRS</b> | <b>132S4</b>  | 570         | 523                                                                                 |
|               | <b>5.7</b>       | 8440          | 253     | 81300                | 1.55      | <b>KA</b>                                                                          | <b>127R87</b> | <b>DRS</b> | <b>132S4</b>  | 500         | 523                                                                                 |
|               | <b>6.8</b>       | 7090          | 213     | 81800                | 1.85      | <b>KAF</b>                                                                         | <b>127R87</b> | <b>DRS</b> | <b>132S4</b>  | 540         | 523                                                                                 |
|               | <b>7.2</b>       | 6760          | 200     | 81800                | 1.75      |                                                                                    |               |            |               |             |                                                                                     |
|               | <b>8.7</b>       | 5590          | 166     | 82200                | 2.1       |                                                                                    |               |            |               |             |                                                                                     |
|               | <b>9.8</b>       | 4930          | 147     | 82300                | 2.4       |                                                                                    |               |            |               |             |                                                                                     |
|               | <b>6.5</b>       | 7450          | 222     | 65000                | 1.05      | <b>K</b>                                                                           | <b>107R77</b> | <b>DRS</b> | <b>132S4</b>  | 350         | 523                                                                                 |
|               | <b>7.4</b>       | 6600          | 196     | 65000                | 1.20      | <b>KF</b>                                                                          | <b>107R77</b> | <b>DRS</b> | <b>132S4</b>  | 360         | 523                                                                                 |
|               | <b>8.3</b>       | 5900          | 174     | 65000                | 1.20      | <b>KA</b>                                                                          | <b>107R77</b> | <b>DRS</b> | <b>132S4</b>  | 320         | 523                                                                                 |
|               | <b>9.4</b>       | 5220          | 154     | 65000                | 1.40      | <b>KAF</b>                                                                         | <b>107R77</b> | <b>DRS</b> | <b>132S4</b>  | 345         | 523                                                                                 |
|               | <b>10</b>        | 4740          | 140     | 65000                | 1.50      |                                                                                    |               |            |               |             |                                                                                     |
|               | <b>7.0</b>       | 7440          | 136.14  | 81600                | 1.75      | <b>K</b>                                                                           | <b>127</b>    | <b>DRS</b> | <b>160S6</b>  | 490         | 509                                                                                 |
|               | <b>7.8</b>       | 6700          | 122.48  | 81900                | 1.95      | <b>KF</b>                                                                          | <b>127</b>    | <b>DRS</b> | <b>160S6</b>  | 530         | 510                                                                                 |
|               | <b>8.7</b>       | 6020          | 110.18  | 82100                | 2.2       | <b>KA</b>                                                                          | <b>127</b>    | <b>DRS</b> | <b>160S6</b>  | 460         | 511                                                                                 |
|               | <b>11</b>        | 4910          | 89.89   | 82300                | 2.6       | <b>KAF</b>                                                                         | <b>127</b>    | <b>DRS</b> | <b>160S6</b>  | 500         | 510                                                                                 |
|               | <b>8.5</b>       | 6140          | 112.41* | 65000                | 1.30      | <b>K</b>                                                                           | <b>107</b>    | <b>DRS</b> | <b>160S6</b>  | 335         | 504                                                                                 |
|               | <b>9.5</b>       | 5510          | 100.75  | 65000                | 1.45      | <b>KF</b>                                                                          | <b>107</b>    | <b>DRS</b> | <b>160S6</b>  | 350         | 505                                                                                 |
|               | <b>11</b>        | 4970          | 90.96*  | 65000                | 1.60      | <b>KA</b>                                                                          | <b>107</b>    | <b>DRS</b> | <b>160S6</b>  | 310         | 506                                                                                 |
|               |                  |               |         |                      |           | <b>KAF</b>                                                                         | <b>107</b>    | <b>DRS</b> | <b>160S6</b>  | 330         | 505                                                                                 |

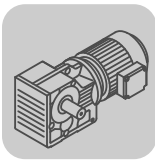




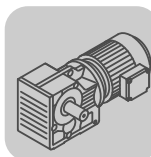
| $P_m$<br>[kW] | $n_a$<br>[1/min] | $M_a$<br>[Nm] | $i$     | $F_{Ra}^{1)}$<br>[N] | SEW $f_B$ |  |                |            |              | $m$<br>[kg] |  |
|---------------|------------------|---------------|---------|----------------------|-----------|------------------------------------------------------------------------------------|----------------|------------|--------------|-------------|-------------------------------------------------------------------------------------|
| <b>5.5</b>    | <b>12</b>        | 4510          | 82.61   | 65000                | 1.75      | <b>K</b>                                                                           | <b>107</b>     | <b>DRS</b> | <b>160S6</b> | 335         | 504                                                                                 |
|               |                  |               |         |                      |           | <b>KF</b>                                                                          | <b>107</b>     | <b>DRS</b> | <b>160S6</b> | 350         | 505                                                                                 |
|               |                  |               |         |                      |           | <b>KA</b>                                                                          | <b>107</b>     | <b>DRS</b> | <b>160S6</b> | 310         | 506                                                                                 |
|               |                  |               |         |                      |           | <b>KAF</b>                                                                         | <b>107</b>     | <b>DRS</b> | <b>160S6</b> | 330         | 505                                                                                 |
|               | <b>10</b>        | 5210          | 143.47* | 65000                | 1.55      | <b>K</b>                                                                           | <b>107</b>     | <b>DRS</b> | <b>132S4</b> | 310         | 504                                                                                 |
|               | <b>12</b>        | 4410          | 121.46  | 65000                | 1.80      |                                                                                    |                |            |              |             |                                                                                     |
|               | <b>13</b>        | 4080          | 112.41* | 65000                | 1.95      |                                                                                    |                |            |              |             |                                                                                     |
|               | <b>14</b>        | 3660          | 100.75  | 65000                | 2.2       |                                                                                    |                |            |              |             |                                                                                     |
|               | <b>16</b>        | 3300          | 90.96*  | 65000                | 2.4       | <b>KAF</b>                                                                         | <b>107</b>     | <b>DRS</b> | <b>132S4</b> | 280         | 506                                                                                 |
|               | <b>17</b>        | 3000          | 82.61   | 65000                | 2.7       |                                                                                    |                |            |              |             |                                                                                     |
|               | <b>12</b>        | 4500          | 123.93* | 40000                | 0.95      | <b>K</b>                                                                           | <b>97</b>      | <b>DRS</b> | <b>132S4</b> | 195         | 499                                                                                 |
|               | <b>14</b>        | 3820          | 105.13  | 40000                | 1.15      | <b>KF</b>                                                                          | <b>97</b>      | <b>DRS</b> | <b>132S4</b> | 215         | 500                                                                                 |
|               | <b>15</b>        | 3510          | 96.80   | 40000                | 1.20      | <b>KA</b>                                                                          | <b>97</b>      | <b>DRS</b> | <b>132S4</b> | 175         | 501                                                                                 |
|               | <b>17</b>        | 3140          | 86.52   | 40000                | 1.35      | <b>KAF</b>                                                                         | <b>97</b>      | <b>DRS</b> | <b>132S4</b> | 200         | 500                                                                                 |
|               | <b>19</b>        | 2830          | 77.89*  | 40000                | 1.50      | <b>K</b>                                                                           | <b>97</b>      | <b>DRS</b> | <b>132S4</b> | 195         | 499                                                                                 |
|               | <b>20</b>        | 2560          | 70.54   | 40000                | 1.70      |                                                                                    |                |            |              |             |                                                                                     |
|               | <b>23</b>        | 2270          | 62.55   | 40000                | 1.90      |                                                                                    |                |            |              |             |                                                                                     |
|               | <b>26</b>        | 2050          | 56.55   | 39700                | 2.1       |                                                                                    |                |            |              |             |                                                                                     |
|               | <b>30</b>        | 1740          | 47.93*  | 38500                | 2.5       | <b>KAF</b>                                                                         | <b>97</b>      | <b>DRS</b> | <b>132S4</b> | 200         | 500                                                                                 |
|               | <b>17</b>        | 3130          | 86.34   | 26700                | 0.85      | <b>K</b>                                                                           | <b>87</b>      | <b>DRS</b> | <b>132S4</b> | 135         | 494                                                                                 |
|               | <b>18</b>        | 2880          | 79.34   | 27000                | 0.95      |                                                                                    |                |            |              |             |                                                                                     |
|               | <b>21</b>        | 2560          | 70.46   | 27500                | 1.05      |                                                                                    |                |            |              |             |                                                                                     |
|               | <b>23</b>        | 2280          | 63.00*  | 27400                | 1.20      |                                                                                    |                |            |              |             |                                                                                     |
|               | <b>26</b>        | 2050          | 56.64   | 27200                | 1.30      | <b>KAF</b>                                                                         | <b>87</b>      | <b>DRS</b> | <b>132S4</b> | 135         | 495                                                                                 |
|               | <b>29</b>        | 1780          | 49.16   | 26800                | 1.50      | <b>K</b>                                                                           | <b>87</b>      | <b>DRS</b> | <b>132S4</b> | 135         | 494                                                                                 |
|               | <b>33</b>        | 1600          | 44.02   | 26500                | 1.60      |                                                                                    |                |            |              |             |                                                                                     |
|               | <b>40</b>        | 1320          | 36.52*  | 25800                | 1.90      |                                                                                    |                |            |              |             |                                                                                     |
|               | <b>46</b>        | 1140          | 31.39   | 25200                | 2.4       |                                                                                    |                |            |              |             |                                                                                     |
|               | <b>52</b>        | 1010          | 27.88   | 24600                | 2.6       | <b>KAF</b>                                                                         | <b>87</b>      | <b>DRS</b> | <b>132S4</b> | 135         | 495                                                                                 |
|               | <b>32</b>        | 1640          | 45.16   | 14700                | 0.95      | <b>K</b>                                                                           | <b>77</b>      | <b>DRS</b> | <b>132S4</b> | 100         | 489                                                                                 |
|               | <b>36</b>        | 1450          | 40.04   | 16000                | 1.05      |                                                                                    |                |            |              |             |                                                                                     |
|               | <b>47</b>        | 1120          | 30.89   | 17800                | 1.40      |                                                                                    |                |            |              |             |                                                                                     |
|               | <b>49</b>        | 1060          | 29.27   | 18100                | 1.45      |                                                                                    |                |            |              |             |                                                                                     |
|               | <b>56</b>        | 930           | 25.62   | 18600                | 1.65      | <b>KAF</b>                                                                         | <b>77</b>      | <b>DRS</b> | <b>132S4</b> | 100         | 490                                                                                 |
|               | <b>63</b>        | 830           | 23.08   | 18900                | 1.85      | <b>K</b>                                                                           | <b>77</b>      | <b>DRS</b> | <b>132S4</b> | 100         | 489                                                                                 |
|               | <b>71</b>        | 735           | 20.25   | 19200                | 2.0       |                                                                                    |                |            |              |             |                                                                                     |
|               | <b>81</b>        | 645           | 17.87   | 19400                | 2.2       |                                                                                    |                |            |              |             |                                                                                     |
|               | <b>91</b>        | 575           | 15.84   | 19200                | 2.4       |                                                                                    |                |            |              |             |                                                                                     |
|               | <b>107</b>       | 490           | 13.52   | 18600                | 2.7       | <b>KA</b>                                                                          | <b>77</b>      | <b>DRS</b> | <b>132S4</b> | 93          | 491                                                                                 |
|               | <b>117</b>       | 445           | 12.36   | 17900                | 2.2       | <b>KAF</b>                                                                         | <b>77</b>      | <b>DRS</b> | <b>132S4</b> | 100         | 490                                                                                 |
|               | <b>133</b>       | 390           | 10.84   | 17400                | 2.5       |                                                                                    |                |            |              |             |                                                                                     |
|               | <b>60</b>        | 870           | 24.00   | 9820                 | 0.90      | <b>K</b>                                                                           | <b>67</b>      | <b>DRS</b> | <b>132S4</b> | 75          | 484                                                                                 |
|               | <b>64</b>        | 820           | 22.66   | 10300                | 0.95      |                                                                                    |                |            |              |             |                                                                                     |
|               | <b>75</b>        | 700           | 19.30   | 11300                | 1.10      |                                                                                    |                |            |              |             |                                                                                     |
|               | <b>82</b>        | 635           | 17.54   | 11700                | 1.15      |                                                                                    |                |            |              |             |                                                                                     |
|               | <b>95</b>        | 550           | 15.19   | 12200                | 1.25      | <b>KAF</b>                                                                         | <b>67</b>      | <b>DRS</b> | <b>132S4</b> | 73          | 486                                                                                 |
|               | <b>109</b>       | 480           | 13.22   | 12500                | 1.40      |                                                                                    |                |            |              |             |                                                                                     |
|               | <b>116</b>       | 450           | 12.48   | 12600                | 1.15      | <b>K</b>                                                                           | <b>67</b>      | <b>DRS</b> | <b>132S4</b> | 75          | 484                                                                                 |
|               | <b>136</b>       | 385           | 10.63   | 12400                | 1.30      |                                                                                    |                |            |              |             |                                                                                     |
|               | <b>150</b>       | 350           | 9.66    | 12200                | 1.35      |                                                                                    |                |            |              |             |                                                                                     |
|               | <b>173</b>       | 300           | 8.37    | 11900                | 1.45      |                                                                                    |                |            |              |             |                                                                                     |
|               | <b>198</b>       | 260           | 7.28    | 11600                | 1.60      | <b>KAF</b>                                                                         | <b>67</b>      | <b>DRS</b> | <b>132S4</b> | 73          | 486                                                                                 |
|               | <b>278</b>       | 189           | 5.20    | 10800                | 1.85      |                                                                                    |                |            |              |             |                                                                                     |
| <b>7.5</b>    | <b>1.7</b>       | 37700         | 835     | 190000               | 1.30      | <b>K</b>                                                                           | <b>187R107</b> | <b>DRS</b> | <b>132M4</b> | 1860        | 523                                                                                 |
|               | <b>2.0</b>       | 32800         | 729     | 190000               | 1.50      | <b>KH</b>                                                                          | <b>187R107</b> | <b>DRS</b> | <b>132M4</b> | 1790        | 523                                                                                 |
|               | <b>2.3</b>       | 27900         | 622     | 190000               | 1.80      |                                                                                    |                |            |              |             |                                                                                     |
|               | <b>1.2</b>       | 54500         | 1196    | 190000               | 0.90      | <b>K</b>                                                                           | <b>187R97</b>  | <b>DRS</b> | <b>132M4</b> | 1810        | 523                                                                                 |
|               | <b>1.4</b>       | 47700         | 1046    | 190000               | 1.05      |                                                                                    |                |            |              |             |                                                                                     |
|               | <b>1.5</b>       | 43000         | 945     | 190000               | 1.15      |                                                                                    |                |            |              |             |                                                                                     |
|               | <b>2.0</b>       | 33600         | 738     | 190000               | 1.50      |                                                                                    |                |            |              |             |                                                                                     |
|               | <b>2.3</b>       | 28200         | 621     | 190000               | 1.75      |                                                                                    |                |            |              |             |                                                                                     |
|               | <b>2.8</b>       | 23900         | 527     | 190000               | 2.1       |                                                                                    |                |            |              |             |                                                                                     |
|               | <b>1.7</b>       | 38300         | 843     | 150000               | 0.85      | <b>KH</b>                                                                          | <b>167R97</b>  | <b>DRS</b> | <b>132M4</b> | 1230        | 523                                                                                 |
|               | <b>1.9</b>       | 34400         | 757     | 150000               | 0.95      |                                                                                    |                |            |              |             |                                                                                     |
|               | <b>2.3</b>       | 28800         | 632     | 150000               | 1.10      |                                                                                    |                |            |              |             |                                                                                     |
|               | <b>2.6</b>       | 25300         | 561     | 150000               | 1.25      |                                                                                    |                |            |              |             |                                                                                     |
|               | <b>3.0</b>       | 21900         | 481     | 150000               | 1.45      |                                                                                    |                |            |              |             |                                                                                     |
|               | <b>3.4</b>       | 19100         | 423     | 150000               | 1.65      |                                                                                    |                |            |              |             |                                                                                     |
|               | <b>3.9</b>       | 16700         | 369     | 150000               | 1.90      |                                                                                    |                |            |              |             |                                                                                     |

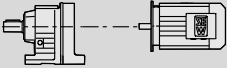


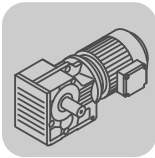
| $P_m$<br>[kW] | $n_a$<br>[1/min] | $M_a$<br>[Nm] | $i$     | $F_{Ra}^{1)}$<br>[N] | SEW $f_B$ |  |        |     |       | $m$<br>[kg] |  |
|---------------|------------------|---------------|---------|----------------------|-----------|------------------------------------------------------------------------------------|--------|-----|-------|-------------|-------------------------------------------------------------------------------------|
| 7.5           | 3.3              | 19700         | 434     | 111300               | 0.90      | K                                                                                  | 157R97 | DRS | 132M4 | 830         | 523                                                                                 |
|               | 3.8              | 17100         | 379     | 112600               | 1.05      | KF                                                                                 | 157R97 | DRS | 132M4 | 910         | 523                                                                                 |
|               | 4.3              | 15100         | 333     | 113500               | 1.20      | KA                                                                                 | 157R97 | DRS | 132M4 | 800         | 523                                                                                 |
|               | 5.0              | 13100         | 291     | 114300               | 1.35      | KAF                                                                                | 157R97 | DRS | 132M4 | 860         | 523                                                                                 |
|               | 4.4              | 15100         | 330     | 75700                | 0.85      |                                                                                    |        |     |       |             |                                                                                     |
|               | 5.0              | 13000         | 287     | 79100                | 1.00      | K                                                                                  | 127R87 | DRS | 132M4 | 540         | 523                                                                                 |
|               | 5.7              | 11500         | 253     | 79900                | 1.10      | KF                                                                                 | 127R87 | DRS | 132M4 | 580         | 523                                                                                 |
|               | 6.8              | 9720          | 213     | 80800                | 1.35      | KA                                                                                 | 127R87 | DRS | 132M4 | 510         | 523                                                                                 |
|               | 7.2              | 9260          | 200     | 81000                | 1.30      | KAF                                                                                | 127R87 | DRS | 132M4 | 550         | 523                                                                                 |
|               | 8.7              | 7660          | 166     | 81600                | 1.55      |                                                                                    |        |     |       |             |                                                                                     |
|               | 9.8              | 6760          | 147     | 81800                | 1.75      |                                                                                    |        |     |       |             |                                                                                     |
|               | 5.8              | 12300         | 164.50  | 150000               | 2.6       | K                                                                                  | 167    | DRS | 160M6 | 1130        | 519                                                                                 |
|               | 7.1              | 10100         | 134.99  | 150000               | 3.2       | KH                                                                                 | 167    | DRS | 160M6 | 1090        | 520                                                                                 |
|               | 6.4              | 11200         | 150.41  | 114900               | 1.60      | K                                                                                  | 157    | DRS | 160M6 | 730         | 514                                                                                 |
|               | 7.8              | 9170          | 122.39  | 115500               | 1.95      | KF                                                                                 | 157    | DRS | 160M6 | 810         | 515                                                                                 |
|               | 9.5              | 7510          | 100.22  | 115900               | 2.4       | KA                                                                                 | 157    | DRS | 160M6 | 700         | 516                                                                                 |
|               | 10               | 6870          | 91.65   | 116000               | 2.6       | KAF                                                                                | 157    | DRS | 160M6 | 750         | 515                                                                                 |
|               | 12               | 5980          | 79.75   | 116200               | 3.0       |                                                                                    |        |     |       |             |                                                                                     |
|               | 7.0              | 10200         | 136.14  | 80600                | 1.25      | K                                                                                  | 127    | DRS | 160M6 | 500         | 509                                                                                 |
|               | 7.8              | 9180          | 122.48  | 81000                | 1.40      | KF                                                                                 | 127    | DRS | 160M6 | 540         | 510                                                                                 |
|               | 8.7              | 8260          | 110.18  | 81400                | 1.55      | KA                                                                                 | 127    | DRS | 160M6 | 470         | 511                                                                                 |
|               | 11               | 6740          | 89.89   | 81900                | 1.95      | KAF                                                                                | 127    | DRS | 160M6 | 510         | 510                                                                                 |
|               | 9.9              | 7240          | 146.07  | 81700                | 1.80      |                                                                                    |        |     |       |             |                                                                                     |
|               | 11               | 6740          | 136.14  | 81900                | 1.95      | K                                                                                  | 127    | DRS | 132M4 | 480         | 509                                                                                 |
|               | 12               | 6070          | 122.48  | 82000                | 2.1       | KF                                                                                 | 127    | DRS | 132M4 | 520         | 510                                                                                 |
|               | 13               | 5460          | 110.18  | 82200                | 2.4       | KA                                                                                 | 127    | DRS | 132M4 | 455         | 511                                                                                 |
|               | 16               | 4450          | 89.89   | 82400                | 2.9       | KAF                                                                                | 127    | DRS | 132M4 | 490         | 510                                                                                 |
|               | 18               | 4060          | 81.98   | 82500                | 3.2       |                                                                                    |        |     |       |             |                                                                                     |
|               | 20               | 3510          | 70.95*  | 82600                | 3.7       |                                                                                    |        |     |       |             |                                                                                     |
|               | 10               | 7110          | 143.47* | 65000                | 1.15      | K                                                                                  | 107    | DRS | 132M4 | 320         | 504                                                                                 |
|               | 12               | 6020          | 121.46  | 65000                | 1.35      | KF                                                                                 | 107    | DRS | 132M4 | 330         | 505                                                                                 |
|               | 13               | 5570          | 112.41* | 65000                | 1.45      | KA                                                                                 | 107    | DRS | 132M4 | 295         | 506                                                                                 |
|               |                  |               |         |                      |           | KAF                                                                                | 107    | DRS | 132M4 | 315         | 505                                                                                 |
|               | 14               | 4990          | 100.75  | 65000                | 1.60      |                                                                                    |        |     |       |             |                                                                                     |
|               | 16               | 4500          | 90.96*  | 64100                | 1.75      |                                                                                    |        |     |       |             |                                                                                     |
|               | 17               | 4090          | 82.61   | 63100                | 1.95      | K                                                                                  | 107    | DRS | 132M4 | 320         | 504                                                                                 |
|               | 20               | 3630          | 73.30   | 61800                | 2.2       | KF                                                                                 | 107    | DRS | 132M4 | 330         | 505                                                                                 |
|               | 22               | 3290          | 66.52*  | 60700                | 2.4       | KA                                                                                 | 107    | DRS | 132M4 | 295         | 506                                                                                 |
|               | 25               | 2830          | 57.17*  | 59000                | 2.8       | KAF                                                                                | 107    | DRS | 132M4 | 315         | 505                                                                                 |
|               | 29               | 2470          | 49.90   | 57300                | 3.2       |                                                                                    |        |     |       |             |                                                                                     |
|               | 34               | 2090          | 42.33*  | 55300                | 3.5       |                                                                                    |        |     |       |             |                                                                                     |
|               | 39               | 1830          | 37.00*  | 53700                | 3.9       |                                                                                    |        |     |       |             |                                                                                     |
|               | 15               | 4790          | 96.80   | 38300                | 0.90      | K                                                                                  | 97     | DRS | 132M4 | 205         | 499                                                                                 |
|               | 17               | 4280          | 86.52   | 38300                | 1.00      | KF                                                                                 | 97     | DRS | 132M4 | 225         | 500                                                                                 |
|               | 19               | 3860          | 77.89*  | 38100                | 1.10      | KA                                                                                 | 97     | DRS | 132M4 | 190         | 501                                                                                 |
|               | 20               | 3490          | 70.54   | 37900                | 1.25      | KAF                                                                                | 97     | DRS | 132M4 | 215         | 500                                                                                 |
|               | 23               | 3100          | 62.55   | 37500                | 1.40      |                                                                                    |        |     |       |             |                                                                                     |
|               | 26               | 2800          | 56.55   | 37100                | 1.55      | K                                                                                  | 97     | DRS | 132M4 | 205         | 499                                                                                 |
|               | 30               | 2370          | 47.93*  | 36300                | 1.80      | KF                                                                                 | 97     | DRS | 132M4 | 225         | 500                                                                                 |
|               | 35               | 2070          | 41.87   | 35600                | 2.1       | KA                                                                                 | 97     | DRS | 132M4 | 190         | 501                                                                                 |
|               | 38               | 1890          | 38.30   | 35100                | 2.3       | KAF                                                                                | 97     | DRS | 132M4 | 215         | 500                                                                                 |
|               | 42               | 1690          | 34.23   | 34400                | 2.5       |                                                                                    |        |     |       |             |                                                                                     |
|               | 23               | 3120          | 63.00*  | 24100                | 0.85      | K                                                                                  | 87     | DRS | 132M4 | 145         | 494                                                                                 |
|               | 26               | 2800          | 56.64   | 24200                | 0.95      | KF                                                                                 | 87     | DRS | 132M4 | 155         | 495                                                                                 |
|               | 29               | 2430          | 49.16   | 24200                | 1.10      | KA                                                                                 | 87     | DRS | 132M4 | 135         | 496                                                                                 |
|               | 33               | 2180          | 44.02   | 24100                | 1.20      | KAF                                                                                | 87     | DRS | 132M4 | 150         | 495                                                                                 |
|               | 40               | 1810          | 36.52*  | 23800                | 1.40      |                                                                                    |        |     |       |             |                                                                                     |
|               | 46               | 1550          | 31.39   | 23500                | 1.75      |                                                                                    |        |     |       |             |                                                                                     |
|               | 52               | 1380          | 27.88   | 23100                | 1.90      | K                                                                                  | 87     | DRS | 132M4 | 145         | 494                                                                                 |
|               | 58               | 1230          | 24.92   | 22800                | 2.0       | KF                                                                                 | 87     | DRS | 132M4 | 155         | 495                                                                                 |
|               | 64               | 1110          | 22.41   | 22400                | 2.1       | KA                                                                                 | 87     | DRS | 132M4 | 135         | 496                                                                                 |
|               | 74               | 960           | 19.45   | 21900                | 2.4       | KAF                                                                                | 87     | DRS | 132M4 | 150         | 495                                                                                 |
|               | 83               | 860           | 17.42   | 21500                | 2.6       |                                                                                    |        |     |       |             |                                                                                     |
|               | 90               | 790           | 16.00   | 20600                | 2.3       |                                                                                    |        |     |       |             |                                                                                     |
|               | 100              | 715           | 14.45   | 20700                | 2.9       |                                                                                    |        |     |       |             |                                                                                     |



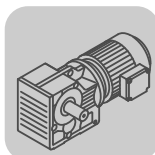
| $P_m$<br>[kW] | $n_a$<br>[1/min] | $M_a$<br>[Nm] | $i$     | $F_{Ra}^{1)}$<br>[N] | SEW $f_B$ |            |                |            |               | $m$<br>[kg] |     |
|---------------|------------------|---------------|---------|----------------------|-----------|------------|----------------|------------|---------------|-------------|-----|
| <b>7.5</b>    | <b>47</b>        | 1530          | 30.89   | 15500                | 1.00      |            |                |            |               |             |     |
|               | <b>49</b>        | 1450          | 29.27   | 16000                | 1.05      | <b>K</b>   | <b>77</b>      | <b>DRS</b> | <b>132M4</b>  | 110         | 489 |
|               | <b>56</b>        | 1260          | 25.62   | 17100                | 1.20      | <b>KF</b>  | <b>77</b>      | <b>DRS</b> | <b>132M4</b>  | 120         | 490 |
|               | <b>63</b>        | 1140          | 23.08   | 17700                | 1.35      | <b>KA</b>  | <b>77</b>      | <b>DRS</b> | <b>132M4</b>  | 105         | 491 |
|               | <b>71</b>        | 1000          | 20.25   | 18300                | 1.50      | <b>KAF</b> | <b>77</b>      | <b>DRS</b> | <b>132M4</b>  | 110         | 490 |
|               | <b>81</b>        | 880           | 17.87   | 18500                | 1.65      |            |                |            |               |             |     |
|               | <b>91</b>        | 780           | 15.84   | 18200                | 1.80      |            |                |            |               |             |     |
|               | <b>107</b>       | 670           | 13.52   | 17700                | 2.0       | <b>K</b>   | <b>77</b>      | <b>DRS</b> | <b>132M4</b>  | 110         | 489 |
|               | <b>117</b>       | 610           | 12.36   | 17000                | 1.65      | <b>KF</b>  | <b>77</b>      | <b>DRS</b> | <b>132M4</b>  | 120         | 490 |
|               | <b>133</b>       | 535           | 10.84   | 16600                | 1.85      | <b>KA</b>  | <b>77</b>      | <b>DRS</b> | <b>132M4</b>  | 105         | 491 |
|               | <b>151</b>       | 470           | 9.56    | 16300                | 2.00      | <b>KAF</b> | <b>77</b>      | <b>DRS</b> | <b>132M4</b>  | 110         | 490 |
|               | <b>170</b>       | 420           | 8.48    | 15900                | 2.1       |            |                |            |               |             |     |
|               | <b>200</b>       | 355           | 7.24    | 15400                | 2.3       |            |                |            |               |             |     |
| <b>9.2</b>    | <b>1.8</b>       | 45800         | 835     | 190000               | 1.10      |            |                |            |               |             |     |
|               | <b>2.0</b>       | 39900         | 729     | 190000               | 1.25      | <b>K</b>   | <b>187R107</b> | <b>DRS</b> | <b>132MC4</b> | 1860        | 523 |
|               | <b>2.4</b>       | 34000         | 622     | 190000               | 1.45      | <b>KH</b>  | <b>187R107</b> | <b>DRS</b> | <b>132MC4</b> | 1790        | 523 |
|               | <b>2.8</b>       | 28800         | 520     | 190000               | 1.75      |            |                |            |               |             |     |
|               | <b>3.2</b>       | 25000         | 454     | 190000               | 2.00      |            |                |            |               |             |     |
|               | <b>1.4</b>       | 57800         | 1046    | 190000               | 0.85      |            |                |            |               |             |     |
|               | <b>1.6</b>       | 52200         | 945     | 190000               | 0.95      | <b>K</b>   | <b>187R97</b>  | <b>DRS</b> | <b>132MC4</b> | 1810        | 523 |
|               | <b>2.0</b>       | 40800         | 738     | 190000               | 1.20      | <b>KH</b>  | <b>187R97</b>  | <b>DRS</b> | <b>132MC4</b> | 1750        | 523 |
|               | <b>2.4</b>       | 34300         | 621     | 190000               | 1.45      |            |                |            |               |             |     |
|               | <b>2.8</b>       | 29000         | 527     | 190000               | 1.70      |            |                |            |               |             |     |
|               | <b>4.6</b>       | 17600         | 318     | 150000               | 1.80      |            |                |            |               |             |     |
|               | <b>5.3</b>       | 15300         | 278     | 150000               | 2.1       | <b>K</b>   | <b>167R107</b> | <b>DRS</b> | <b>132MC4</b> | 1280        | 523 |
|               | <b>6.0</b>       | 13200         | 244     | 150000               | 2.4       | <b>KH</b>  | <b>167R107</b> | <b>DRS</b> | <b>132MC4</b> | 1240        | 523 |
|               | <b>6.9</b>       | 11500         | 213     | 150000               | 2.8       |            |                |            |               |             |     |
|               | <b>7.1</b>       | 11200         | 206     | 150000               | 2.8       |            |                |            |               |             |     |
|               | <b>2.3</b>       | 34900         | 632     | 150000               | 0.90      |            |                |            |               |             |     |
|               | <b>2.6</b>       | 30800         | 561     | 150000               | 1.05      | <b>K</b>   | <b>167R97</b>  | <b>DRS</b> | <b>132MC4</b> | 1230        | 523 |
|               | <b>3.0</b>       | 26600         | 481     | 150000               | 1.20      | <b>KH</b>  | <b>167R97</b>  | <b>DRS</b> | <b>132MC4</b> | 1190        | 523 |
|               | <b>3.5</b>       | 23200         | 423     | 150000               | 1.40      |            |                |            |               |             |     |
|               | <b>4.0</b>       | 20300         | 369     | 150000               | 1.60      |            |                |            |               |             |     |
|               | <b>3.8</b>       | 20800         | 385     | 110600               | 0.85      | <b>K</b>   | <b>157R107</b> | <b>DRS</b> | <b>132MC4</b> | 880         | 523 |
|               | <b>4.5</b>       | 17500         | 325     | 112400               | 1.05      | <b>KF</b>  | <b>157R107</b> | <b>DRS</b> | <b>132MC4</b> | 960         | 523 |
|               | <b>4.9</b>       | 16300         | 299     | 113000               | 1.10      | <b>KA</b>  | <b>157R107</b> | <b>DRS</b> | <b>132MC4</b> | 850         | 523 |
|               | <b>5.8</b>       | 13800         | 253     | 114000               | 1.30      | <b>KAF</b> | <b>157R107</b> | <b>DRS</b> | <b>132MC4</b> | 910         | 523 |
|               | <b>6.4</b>       | 12400         | 230     | 114600               | 1.45      |            |                |            |               |             |     |
|               | <b>3.9</b>       | 20800         | 379     | 110600               | 0.85      | <b>K</b>   | <b>157R97</b>  | <b>DRS</b> | <b>132MC4</b> | 840         | 523 |
|               | <b>4.4</b>       | 18300         | 333     | 112000               | 1.00      | <b>KF</b>  | <b>157R97</b>  | <b>DRS</b> | <b>132MC4</b> | 920         | 523 |
|               | <b>5.0</b>       | 15900         | 291     | 113100               | 1.15      | <b>KA</b>  | <b>157R97</b>  | <b>DRS</b> | <b>132MC4</b> | 800         | 523 |
|               |                  |               |         |                      |           | <b>KAF</b> | <b>157R97</b>  | <b>DRS</b> | <b>132MC4</b> | 860         | 523 |
|               | <b>5.8</b>       | 14000         | 253     | 77900                | 0.95      | <b>K</b>   | <b>127R87</b>  | <b>DRS</b> | <b>132MC4</b> | 540         | 523 |
|               | <b>6.9</b>       | 11700         | 213     | 79800                | 1.10      | <b>KF</b>  | <b>127R87</b>  | <b>DRS</b> | <b>132MC4</b> | 590         | 523 |
|               | <b>7.3</b>       | 11200         | 200     | 80100                | 1.05      | <b>KA</b>  | <b>127R87</b>  | <b>DRS</b> | <b>132MC4</b> | 520         | 523 |
|               | <b>8.8</b>       | 9290          | 166     | 81000                | 1.30      | <b>KAF</b> | <b>127R87</b>  | <b>DRS</b> | <b>132MC4</b> | 550         | 523 |
|               | <b>10.0</b>      | 8200          | 147     | 81400                | 1.45      |            |                |            |               |             |     |
|               | <b>11</b>        | 8160          | 136.14  | 81400                | 1.60      | <b>K</b>   | <b>127</b>     | <b>DRS</b> | <b>132MC4</b> | 485         | 509 |
|               | <b>12</b>        | 7340          | 122.48  | 81700                | 1.75      | <b>KF</b>  | <b>127</b>     | <b>DRS</b> | <b>132MC4</b> | 530         | 510 |
|               | <b>13</b>        | 6600          | 110.18  | 81900                | 1.95      | <b>KA</b>  | <b>127</b>     | <b>DRS</b> | <b>132MC4</b> | 455         | 511 |
|               | <b>16</b>        | 5390          | 89.89   | 82200                | 2.4       | <b>KAF</b> | <b>127</b>     | <b>DRS</b> | <b>132MC4</b> | 495         | 510 |
|               | <b>18</b>        | 4910          | 81.98   | 82300                | 2.6       |            |                |            |               |             |     |
|               | <b>13</b>        | 6740          | 112.41* | 62300                | 1.20      | <b>K</b>   | <b>107</b>     | <b>DRS</b> | <b>132MC4</b> | 325         | 504 |
|               | <b>15</b>        | 6040          | 100.75  | 61700                | 1.30      | <b>KF</b>  | <b>107</b>     | <b>DRS</b> | <b>132MC4</b> | 335         | 505 |
|               | <b>16</b>        | 5450          | 90.96*  | 61000                | 1.45      | <b>KA</b>  | <b>107</b>     | <b>DRS</b> | <b>132MC4</b> | 295         | 506 |
|               |                  |               |         |                      |           | <b>KAF</b> | <b>107</b>     | <b>DRS</b> | <b>132MC4</b> | 320         | 505 |
|               | <b>18</b>        | 4950          | 82.61   | 60300                | 1.60      |            |                |            |               |             |     |
|               | <b>20</b>        | 4390          | 73.30   | 59300                | 1.80      | <b>K</b>   | <b>107</b>     | <b>DRS</b> | <b>132MC4</b> | 325         | 504 |
|               | <b>22</b>        | 3980          | 66.52*  | 58400                | 2.0       | <b>KF</b>  | <b>107</b>     | <b>DRS</b> | <b>132MC4</b> | 335         | 505 |
|               | <b>26</b>        | 3420          | 57.17*  | 57000                | 2.3       | <b>KA</b>  | <b>107</b>     | <b>DRS</b> | <b>132MC4</b> | 295         | 506 |
|               | <b>29</b>        | 2990          | 49.90   | 55500                | 2.6       | <b>KAF</b> | <b>107</b>     | <b>DRS</b> | <b>132MC4</b> | 320         | 505 |
|               | <b>35</b>        | 2530          | 42.33*  | 53800                | 2.9       |            |                |            |               |             |     |
|               | <b>19</b>        | 4670          | 77.89*  | 35100                | 0.90      | <b>K</b>   | <b>97</b>      | <b>DRS</b> | <b>132MC4</b> | 210         | 499 |
|               | <b>21</b>        | 4220          | 70.54   | 35100                | 1.00      | <b>KF</b>  | <b>97</b>      | <b>DRS</b> | <b>132MC4</b> | 230         | 500 |
|               | <b>23</b>        | 3750          | 62.55   | 35000                | 1.15      | <b>KA</b>  | <b>97</b>      | <b>DRS</b> | <b>132MC4</b> | 190         | 501 |
|               | <b>26</b>        | 3390          | 56.55   | 34800                | 1.25      | <b>KAF</b> | <b>97</b>      | <b>DRS</b> | <b>132MC4</b> | 215         | 500 |



| $P_m$<br>[kW] | $n_a$<br>[1/min] | $M_a$<br>[Nm] | $i$    | $F_{Ra}^{1)}$<br>[N] | SEW $f_B$ |  |         |     |        | $m$<br>[kg] |  |
|---------------|------------------|---------------|--------|----------------------|-----------|------------------------------------------------------------------------------------|---------|-----|--------|-------------|-------------------------------------------------------------------------------------|
| 9.2           | 31               | 2870          | 47.93* | 34400                | 1.50      | K<br>KF<br>KA<br>KAF                                                               | 97      | DRS | 132MC4 | 210         | 499                                                                                 |
|               | 35               | 2510          | 41.87  | 33900                | 1.70      |                                                                                    |         |     |        | 230         | 500                                                                                 |
|               | 38               | 2290          | 38.30  | 33500                | 1.85      |                                                                                    |         |     |        | 190         | 501                                                                                 |
|               | 43               | 2050          | 34.23  | 33000                | 2.1       |                                                                                    |         |     |        | 215         | 500                                                                                 |
|               | 48               | 1840          | 30.82  | 32400                | 2.3       | K<br>KF<br>KA<br>KAF                                                               | 87      | DRS | 132MC4 | 150         | 494                                                                                 |
|               | 53               | 1670          | 27.91  | 31900                | 2.6       |                                                                                    |         |     |        | 160         | 495                                                                                 |
|               | 59               | 1480          | 24.75  | 31200                | 2.9       |                                                                                    |         |     |        | 140         | 496                                                                                 |
|               | 30               | 2940          | 49.16  | 22000                | 0.90      |                                                                                    |         |     |        | 150         | 495                                                                                 |
|               | 33               | 2630          | 44.02  | 22200                | 1.00      | K<br>KF<br>KA<br>KAF                                                               | 87      | DRS | 132MC4 | 160         | 495                                                                                 |
|               | 40               | 2190          | 36.52* | 22200                | 1.15      |                                                                                    |         |     |        | 140         | 496                                                                                 |
|               | 47               | 1880          | 31.39  | 22100                | 1.45      |                                                                                    |         |     |        | 150         | 495                                                                                 |
|               | 53               | 1670          | 27.88  | 21900                | 1.55      | K<br>KF<br>KA<br>KAF                                                               | 87      | DRS | 132MC4 | 150         | 494                                                                                 |
|               | 59               | 1490          | 24.92  | 21600                | 1.65      |                                                                                    |         |     |        | 160         | 495                                                                                 |
|               | 65               | 1340          | 22.41  | 21400                | 1.70      |                                                                                    |         |     |        | 140         | 496                                                                                 |
|               | 75               | 1160          | 19.45  | 21000                | 1.95      |                                                                                    |         |     |        | 150         | 495                                                                                 |
|               | 84               | 1040          | 17.42  | 20600                | 2.1       | K<br>KF<br>KA<br>KAF                                                               | 77      | DRS | 132MC4 | 115         | 489                                                                                 |
|               | 92               | 950           | 16.00  | 19700                | 1.90      |                                                                                    |         |     |        | 120         | 490                                                                                 |
|               | 101              | 860           | 14.45  | 20000                | 2.4       |                                                                                    |         |     |        | 105         | 491                                                                                 |
|               | 117              | 750           | 12.56  | 19500                | 2.7       |                                                                                    |         |     |        | 115         | 490                                                                                 |
|               | 131              | 665           | 11.17  | 18600                | 2.2       | K<br>KF<br>KA<br>KAF                                                               | 77      | DRS | 132MC4 | 115         | 489                                                                                 |
|               | 147              | 595           | 10.00  | 18200                | 2.5       |                                                                                    |         |     |        | 120         | 490                                                                                 |
|               | 63               | 1380          | 23.08  | 16500                | 1.10      |                                                                                    |         |     |        | 105         | 491                                                                                 |
|               | 72               | 1210          | 20.25  | 17400                | 1.25      |                                                                                    |         |     |        | 115         | 490                                                                                 |
|               | 82               | 1070          | 17.87  | 17600                | 1.35      | K<br>KF<br>KA<br>KAF                                                               | 77      | DRS | 132MC4 | 115         | 489                                                                                 |
|               | 93               | 940           | 15.84  | 17300                | 1.45      |                                                                                    |         |     |        | 120         | 490                                                                                 |
|               | 108              | 810           | 13.52  | 17000                | 1.65      |                                                                                    |         |     |        | 105         | 491                                                                                 |
|               | 119              | 740           | 12.36  | 16200                | 1.35      |                                                                                    |         |     |        | 115         | 489                                                                                 |
|               | 135              | 645           | 10.84  | 16000                | 1.50      | K<br>KF<br>KA<br>KAF                                                               | 77      | DRS | 132MC4 | 120         | 490                                                                                 |
|               | 153              | 570           | 9.56   | 15600                | 1.65      |                                                                                    |         |     |        | 105         | 491                                                                                 |
|               | 173              | 505           | 8.48   | 15300                | 1.75      |                                                                                    |         |     |        | 115         | 490                                                                                 |
|               | 202              | 430           | 7.24   | 14900                | 1.90      |                                                                                    |         |     |        | 120         | 490                                                                                 |
| 11.0          | 1.8              | 55200         | 835    | 190000               | 0.90      | K<br>KH                                                                            | 187R107 | DRS | 160M4  | 1880        | 523                                                                                 |
|               | 2.0              | 48000         | 729    | 190000               | 1.05      |                                                                                    |         |     |        | 1810        | 523                                                                                 |
|               | 2.4              | 40900         | 622    | 190000               | 1.20      |                                                                                    |         |     |        | 1830        | 523                                                                                 |
|               | 2.8              | 34700         | 520    | 190000               | 1.45      |                                                                                    |         |     |        | 1770        | 523                                                                                 |
|               | 3.2              | 30200         | 454    | 190000               | 1.65      | K<br>KH                                                                            | 187R97  | DRS | 160M4  | 1300        | 523                                                                                 |
|               | 4.1              | 23300         | 355    | 190000               | 2.1       |                                                                                    |         |     |        | 1260        | 523                                                                                 |
|               | 2.0              | 49000         | 738    | 190000               | 1.00      |                                                                                    |         |     |        | 1250        | 523                                                                                 |
|               | 2.4              | 41200         | 621    | 190000               | 1.20      |                                                                                    |         |     |        | 1210        | 523                                                                                 |
|               | 2.8              | 34800         | 527    | 190000               | 1.45      | K<br>KH                                                                            | 167R107 | DRS | 160M4  | 860         | 523                                                                                 |
|               | 4.6              | 21200         | 318    | 150000               | 1.50      |                                                                                    |         |     |        | 940         | 523                                                                                 |
|               | 5.3              | 18400         | 278    | 150000               | 1.75      |                                                                                    |         |     |        | 820         | 523                                                                                 |
|               | 6.0              | 16000         | 244    | 150000               | 2.0       |                                                                                    |         |     |        | 880         | 523                                                                                 |
|               | 6.8              | 13900         | 213    | 150000               | 2.3       | K<br>KF<br>KA<br>KAF                                                               | 157R97  | DRS | 160M4  | 560         | 523                                                                                 |
|               | 7.1              | 13600         | 206    | 150000               | 2.4       |                                                                                    |         |     |        | 610         | 523                                                                                 |
|               | 2.6              | 37000         | 561    | 150000               | 0.85      |                                                                                    |         |     |        | 540         | 523                                                                                 |
|               | 3.0              | 31900         | 481    | 150000               | 1.00      |                                                                                    |         |     |        | 570         | 523                                                                                 |
|               | 3.4              | 27900         | 423    | 150000               | 1.15      | K<br>KH                                                                            | 127R87  | DRS | 160M4  | 1130        | 519                                                                                 |
|               | 4.0              | 24400         | 369    | 150000               | 1.30      |                                                                                    |         |     |        | 1090        | 520                                                                                 |
|               | 4.4              | 22000         | 333    | 109900               | 0.80      |                                                                                    |         |     |        | 730         | 514                                                                                 |
|               | 5.0              | 19200         | 291    | 111500               | 0.95      |                                                                                    |         |     |        | 810         | 515                                                                                 |
|               | 6.8              | 14100         | 213    | 77600                | 0.90      | K<br>KF<br>KA<br>KAF                                                               | 157     | DRS | 160M4  | 700         | 516                                                                                 |
|               | 7.3              | 13400         | 200    | 78900                | 0.90      |                                                                                    |         |     |        | 750         | 515                                                                                 |
|               | 8.8              | 11100         | 166    | 80100                | 1.05      |                                                                                    |         |     |        | 1130        | 519                                                                                 |
|               | 10.0             | 9860          | 147    | 80700                | 1.20      |                                                                                    |         |     |        | 1090        | 520                                                                                 |
|               | 8.9              | 11800         | 164.50 | 150000               | 2.7       | K<br>KH                                                                            | 167     | DRS | 160M4  | 730         | 514                                                                                 |
|               | 11               | 9710          | 134.99 | 150000               | 3.3       |                                                                                    |         |     |        | 810         | 515                                                                                 |
|               | 9.7              | 10800         | 150.41 | 115100               | 1.65      |                                                                                    |         |     |        | 700         | 516                                                                                 |
|               | 12               | 8800          | 122.39 | 115600               | 2.0       |                                                                                    |         |     |        | 750         | 515                                                                                 |
|               | 15               | 7210          | 100.22 | 115900               | 2.5       | K<br>KF<br>KA<br>KAF                                                               | 157     | DRS | 160M4  | 700         | 516                                                                                 |
|               | 16               | 6590          | 91.65  | 116100               | 2.7       |                                                                                    |         |     |        | 750         | 515                                                                                 |

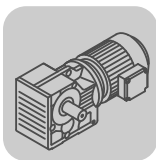


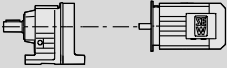
| $P_m$<br>[kW] | $n_a$<br>[1/min] | $M_a$<br>[Nm] | $i$     | $F_{Ra}^{1)}$<br>[N] | SEW $f_B$ |            |                |            |               | $m$<br>[kg] |     |
|---------------|------------------|---------------|---------|----------------------|-----------|------------|----------------|------------|---------------|-------------|-----|
| <b>11.0</b>   | <b>11</b>        | 9790          | 136.14  | 80800                | 1.35      |            |                |            |               |             |     |
|               | <b>12</b>        | 8810          | 122.48  | 81200                | 1.50      | <b>K</b>   | <b>127</b>     | <b>DRS</b> | <b>160M4</b>  | 500         | 509 |
|               | <b>13</b>        | 7920          | 110.18  | 81500                | 1.65      | <b>KF</b>  | <b>127</b>     | <b>DRS</b> | <b>160M4</b>  | 540         | 510 |
|               | <b>16</b>        | 6460          | 89.89   | 81900                | 2.0       | <b>KA</b>  | <b>127</b>     | <b>DRS</b> | <b>160M4</b>  | 470         | 511 |
|               | <b>18</b>        | 5890          | 81.98   | 82100                | 2.2       | <b>KAF</b> | <b>127</b>     | <b>DRS</b> | <b>160M4</b>  | 510         | 510 |
|               | <b>21</b>        | 5100          | 70.95*  | 82300                | 2.6       |            |                |            |               |             |     |
|               | <b>13</b>        | 8080          | 112.41* | 57700                | 1.00      | <b>K</b>   | <b>107</b>     | <b>DRS</b> | <b>160M4</b>  | 345         | 504 |
|               | <b>14</b>        | 7240          | 100.75  | 58200                | 1.10      | <b>KF</b>  | <b>107</b>     | <b>DRS</b> | <b>160M4</b>  | 355         | 505 |
|               | <b>16</b>        | 6540          | 90.96*  | 57900                | 1.20      | <b>KA</b>  | <b>107</b>     | <b>DRS</b> | <b>160M4</b>  | 315         | 506 |
|               | <b>18</b>        | 5940          | 82.61   | 57500                | 1.35      | <b>KAF</b> | <b>107</b>     | <b>DRS</b> | <b>160M4</b>  | 340         | 505 |
|               | <b>20</b>        | 5270          | 73.30   | 56800                | 1.50      | <b>K</b>   | <b>107</b>     | <b>DRS</b> | <b>160M4</b>  | 345         | 504 |
|               | <b>22</b>        | 4780          | 66.52*  | 56100                | 1.65      | <b>KF</b>  | <b>107</b>     | <b>DRS</b> | <b>160M4</b>  | 355         | 505 |
|               | <b>26</b>        | 4110          | 57.17*  | 55000                | 1.95      | <b>KA</b>  | <b>107</b>     | <b>DRS</b> | <b>160M4</b>  | 315         | 506 |
|               | <b>29</b>        | 3590          | 49.90   | 53900                | 2.2       | <b>KAF</b> | <b>107</b>     | <b>DRS</b> | <b>160M4</b>  | 340         | 505 |
|               | <b>34</b>        | 3040          | 42.33*  | 52400                | 2.4       |            |                |            |               |             |     |
|               | <b>39</b>        | 2660          | 37.00*  | 51100                | 2.7       |            |                |            |               |             |     |
|               | <b>21</b>        | 5070          | 70.54   | 32200                | 0.85      | <b>K</b>   | <b>97</b>      | <b>DRS</b> | <b>160M4</b>  | 230         | 499 |
|               | <b>23</b>        | 4500          | 62.55   | 32500                | 0.95      | <b>KF</b>  | <b>97</b>      | <b>DRS</b> | <b>160M4</b>  | 250         | 500 |
|               | <b>26</b>        | 4060          | 56.55   | 32500                | 1.05      | <b>KA</b>  | <b>97</b>      | <b>DRS</b> | <b>160M4</b>  | 210         | 501 |
|               | <b>30</b>        | 3440          | 47.93*  | 32400                | 1.25      | <b>KAF</b> | <b>97</b>      | <b>DRS</b> | <b>160M4</b>  | 235         | 500 |
|               | <b>35</b>        | 3010          | 41.87   | 32200                | 1.45      |            |                |            |               |             |     |
|               | <b>38</b>        | 2750          | 38.30   | 32000                | 1.55      | <b>K</b>   | <b>97</b>      | <b>DRS</b> | <b>160M4</b>  | 230         | 499 |
|               | <b>43</b>        | 2460          | 34.23   | 31600                | 1.75      | <b>KF</b>  | <b>97</b>      | <b>DRS</b> | <b>160M4</b>  | 250         | 500 |
|               | <b>47</b>        | 2210          | 30.82   | 31200                | 1.95      | <b>KA</b>  | <b>97</b>      | <b>DRS</b> | <b>160M4</b>  | 210         | 501 |
|               | <b>52</b>        | 2000          | 27.91   | 30800                | 2.1       | <b>KAF</b> | <b>97</b>      | <b>DRS</b> | <b>160M4</b>  | 235         | 500 |
|               | <b>59</b>        | 1780          | 24.75   | 30200                | 2.4       |            |                |            |               |             |     |
|               | <b>65</b>        | 1600          | 22.37   | 29700                | 2.7       |            |                |            |               |             |     |
|               | <b>33</b>        | 3160          | 44.02   | 20100                | 0.80      | <b>K</b>   | <b>87</b>      | <b>DRS</b> | <b>160M4</b>  | 170         | 494 |
|               | <b>40</b>        | 2620          | 36.52*  | 20500                | 0.95      | <b>KF</b>  | <b>87</b>      | <b>DRS</b> | <b>160M4</b>  | 180         | 495 |
|               | <b>47</b>        | 2250          | 31.39   | 20600                | 1.20      | <b>KA</b>  | <b>87</b>      | <b>DRS</b> | <b>160M4</b>  | 160         | 496 |
|               | <b>52</b>        | 2000          | 27.88   | 20600                | 1.30      | <b>KAF</b> | <b>87</b>      | <b>DRS</b> | <b>160M4</b>  | 170         | 495 |
|               | <b>59</b>        | 1790          | 24.92   | 20500                | 1.40      |            |                |            |               |             |     |
|               | <b>65</b>        | 1610          | 22.41   | 20300                | 1.45      |            |                |            |               |             |     |
|               | <b>75</b>        | 1390          | 19.45   | 20100                | 1.65      |            |                |            |               |             |     |
|               | <b>84</b>        | 1250          | 17.42   | 19800                | 1.75      |            |                |            |               |             |     |
|               | <b>91</b>        | 1150          | 16.00   | 18800                | 1.55      | <b>K</b>   | <b>87</b>      | <b>DRS</b> | <b>160M4</b>  | 170         | 494 |
|               | <b>101</b>       | 1030          | 14.45   | 19300                | 2.0       | <b>KF</b>  | <b>87</b>      | <b>DRS</b> | <b>160M4</b>  | 180         | 495 |
|               | <b>116</b>       | 900           | 12.56   | 18900                | 2.2       | <b>KA</b>  | <b>87</b>      | <b>DRS</b> | <b>160M4</b>  | 160         | 496 |
|               | <b>131</b>       | 800           | 11.17   | 18000                | 1.85      | <b>KAF</b> | <b>87</b>      | <b>DRS</b> | <b>160M4</b>  | 170         | 495 |
|               | <b>146</b>       | 715           | 10.00   | 17600                | 2.1       |            |                |            |               |             |     |
|               | <b>176</b>       | 595           | 8.29    | 17100                | 2.4       |            |                |            |               |             |     |
|               | <b>202</b>       | 515           | 7.21    | 16600                | 2.5       |            |                |            |               |             |     |
|               | <b>63</b>        | 1660          | 23.08   | 14600                | 0.95      |            |                |            |               |             |     |
|               | <b>72</b>        | 1450          | 20.25   | 16000                | 1.05      |            |                |            |               |             |     |
|               | <b>82</b>        | 1280          | 17.87   | 16600                | 1.15      | <b>K</b>   | <b>77</b>      | <b>DRS</b> | <b>160M4</b>  | 135         | 489 |
|               | <b>92</b>        | 1130          | 15.84   | 16500                | 1.25      | <b>KF</b>  | <b>77</b>      | <b>DRS</b> | <b>160M4</b>  | 145         | 490 |
|               | <b>108</b>       | 970           | 13.52   | 16200                | 1.40      | <b>KA</b>  | <b>77</b>      | <b>DRS</b> | <b>160M4</b>  | 130         | 491 |
|               | <b>118</b>       | 880           | 12.36   | 15500                | 1.15      | <b>KAF</b> | <b>77</b>      | <b>DRS</b> | <b>160M4</b>  | 135         | 490 |
|               | <b>135</b>       | 775           | 10.84   | 15300                | 1.25      |            |                |            |               |             |     |
|               | <b>153</b>       | 685           | 9.56    | 15100                | 1.35      |            |                |            |               |             |     |
|               | <b>172</b>       | 610           | 8.48    | 14800                | 1.45      |            |                |            |               |             |     |
|               | <b>202</b>       | 520           | 7.24    | 14400                | 1.55      |            |                |            |               |             |     |
| <b>15.0</b>   | <b>2.4</b>       | 55900         | 622     | 190000               | 0.90      |            |                |            |               |             |     |
|               | <b>2.8</b>       | 47400         | 520     | 190000               | 1.05      | <b>K</b>   | <b>187R107</b> | <b>DRS</b> | <b>160MC4</b> | 1890        | 523 |
|               | <b>3.2</b>       | 41200         | 454     | 190000               | 1.20      | <b>KH</b>  | <b>187R107</b> | <b>DRS</b> | <b>160MC4</b> | 1820        | 523 |
|               | <b>4.1</b>       | 31900         | 355     | 190000               | 1.55      |            |                |            |               |             |     |
|               | <b>5.6</b>       | 23700         | 261     | 190000               | 2.1       |            |                |            |               |             |     |
|               | <b>4.6</b>       | 28900         | 318     | 150000               | 1.10      |            |                |            |               |             |     |
|               | <b>5.3</b>       | 25200         | 278     | 150000               | 1.25      |            |                |            |               |             |     |
|               | <b>6.0</b>       | 21800         | 244     | 150000               | 1.45      | <b>K</b>   | <b>167R107</b> | <b>DRS</b> | <b>160MC4</b> | 1300        | 523 |
|               | <b>6.9</b>       | 19000         | 213     | 150000               | 1.70      | <b>KH</b>  | <b>167R107</b> | <b>DRS</b> | <b>160MC4</b> | 1270        | 523 |
|               | <b>7.1</b>       | 18600         | 206     | 150000               | 1.70      |            |                |            |               |             |     |
|               | <b>8.1</b>       | 16000         | 180     | 150000               | 2.00      |            |                |            |               |             |     |
|               | <b>9.2</b>       | 14500         | 160     | 150000               | 2.2       |            |                |            |               |             |     |

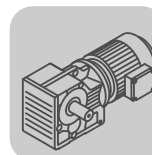


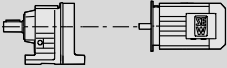
| $P_m$<br>[kW] | $n_a$<br>[1/min] | $M_a$<br>[Nm] | $i$    | $F_{Ra}^{1)}$<br>[N] | SEW $f_B$ |            |                |            |               | $m$<br>[kg] |     |
|---------------|------------------|---------------|--------|----------------------|-----------|------------|----------------|------------|---------------|-------------|-----|
| <b>15.0</b>   | <b>6.4</b>       | 20500         | 230    | 110800               | 0.90      |            |                |            |               |             |     |
|               | <b>6.9</b>       | 19300         | 213    | 111500               | 0.95      | <b>K</b>   | <b>157R107</b> | <b>DRS</b> | <b>160MC4</b> | 910         | 523 |
|               | <b>7.8</b>       | 16600         | 187    | 112800               | 1.10      | <b>KF</b>  | <b>157R107</b> | <b>DRS</b> | <b>160MC4</b> | 990         | 523 |
|               | <b>9.3</b>       | 14100         | 157    | 113900               | 1.25      | <b>KA</b>  | <b>157R107</b> | <b>DRS</b> | <b>160MC4</b> | 870         | 523 |
|               | <b>12</b>        | 11000         | 122    | 115000               | 1.60      | <b>KAF</b> | <b>157R107</b> | <b>DRS</b> | <b>160MC4</b> | 930         | 523 |
|               | <b>14</b>        | 9670          | 107    | 115400               | 1.85      |            |                |            |               |             |     |
|               | <b>8.9</b>       | 16000         | 164.50 | 150000               | 2.00      | <b>K</b>   | <b>167</b>     | <b>DRS</b> | <b>160MC4</b> | 1130        | 519 |
|               | <b>11</b>        | 13100         | 134.99 | 150000               | 2.4       | <b>KH</b>  | <b>167</b>     | <b>DRS</b> | <b>160MC4</b> | 1090        | 520 |
|               | <b>9.7</b>       | 14700         | 150.41 | 113700               | 1.20      | <b>K</b>   | <b>157</b>     | <b>DRS</b> | <b>160MC4</b> | 740         | 514 |
|               | <b>12</b>        | 11900         | 122.39 | 114700               | 1.50      | <b>KF</b>  | <b>157</b>     | <b>DRS</b> | <b>160MC4</b> | 820         | 515 |
|               | <b>15</b>        | 9790          | 100.22 | 114100               | 1.85      | <b>KA</b>  | <b>157</b>     | <b>DRS</b> | <b>160MC4</b> | 700         | 516 |
|               | <b>16</b>        | 8960          | 91.65  | 112400               | 2.0       | <b>KAF</b> | <b>157</b>     | <b>DRS</b> | <b>160MC4</b> | 760         | 515 |
|               | <b>18</b>        | 7790          | 79.75  | 109500               | 2.3       |            |                |            |               |             |     |
|               | <b>11</b>        | 13300         | 136.14 | 79000                | 1.00      | <b>K</b>   | <b>127</b>     | <b>DRS</b> | <b>160MC4</b> | 500         | 509 |
|               | <b>12</b>        | 11900         | 122.48 | 79700                | 1.10      | <b>KF</b>  | <b>127</b>     | <b>DRS</b> | <b>160MC4</b> | 550         | 510 |
|               | <b>13</b>        | 10700         | 110.18 | 80300                | 1.20      | <b>KA</b>  | <b>127</b>     | <b>DRS</b> | <b>160MC4</b> | 475         | 511 |
|               |                  |               |        |                      |           | <b>KAF</b> | <b>127</b>     | <b>DRS</b> | <b>160MC4</b> | 510         | 510 |
|               | <b>16</b>        | 8780          | 89.89  | 81200                | 1.50      |            |                |            |               |             |     |
|               | <b>18</b>        | 8010          | 81.98  | 81500                | 1.60      | <b>K</b>   | <b>127</b>     | <b>DRS</b> | <b>160MC4</b> | 500         | 509 |
|               | <b>21</b>        | 6930          | 70.95* | 81500                | 1.85      | <b>KF</b>  | <b>127</b>     | <b>DRS</b> | <b>160MC4</b> | 550         | 510 |
|               | <b>23</b>        | 6120          | 62.60  | 79900                | 2.1       | <b>KA</b>  | <b>127</b>     | <b>DRS</b> | <b>160MC4</b> | 475         | 511 |
|               | <b>27</b>        | 5280          | 54.07  | 77900                | 2.5       | <b>KAF</b> | <b>127</b>     | <b>DRS</b> | <b>160MC4</b> | 510         | 510 |
|               | <b>31</b>        | 4670          | 47.82  | 76200                | 2.8       |            |                |            |               |             |     |
|               | <b>16</b>        | 8890          | 90.96* | 48200                | 0.90      | <b>K</b>   | <b>107</b>     | <b>DRS</b> | <b>160MC4</b> | 350         | 504 |
|               | <b>18</b>        | 8070          | 82.61  | 49400                | 1.00      | <b>KF</b>  | <b>107</b>     | <b>DRS</b> | <b>160MC4</b> | 360         | 505 |
|               | <b>20</b>        | 7160          | 73.30  | 50500                | 1.10      | <b>KA</b>  | <b>107</b>     | <b>DRS</b> | <b>160MC4</b> | 320         | 506 |
|               | <b>22</b>        | 6500          | 66.52* | 51000                | 1.25      | <b>KAF</b> | <b>107</b>     | <b>DRS</b> | <b>160MC4</b> | 345         | 505 |
|               | <b>26</b>        | 5590          | 57.17* | 50600                | 1.45      |            |                |            |               |             |     |
|               | <b>29</b>        | 4870          | 49.90  | 50000                | 1.60      | <b>K</b>   | <b>107</b>     | <b>DRS</b> | <b>160MC4</b> | 350         | 504 |
|               | <b>35</b>        | 4130          | 42.33* | 49100                | 1.80      | <b>KF</b>  | <b>107</b>     | <b>DRS</b> | <b>160MC4</b> | 360         | 505 |
|               | <b>40</b>        | 3610          | 37.00* | 48200                | 2.00      | <b>KA</b>  | <b>107</b>     | <b>DRS</b> | <b>160MC4</b> | 320         | 506 |
|               | <b>45</b>        | 3190          | 32.69  | 47300                | 2.2       | <b>KAF</b> | <b>107</b>     | <b>DRS</b> | <b>160MC4</b> | 345         | 505 |
|               | <b>47</b>        | 3050          | 31.28* | 46900                | 2.2       |            |                |            |               |             |     |
|               | <b>51</b>        | 2830          | 29.00  | 46300                | 2.5       |            |                |            |               |             |     |
|               | <b>31</b>        | 4680          | 47.93* | 28100                | 0.90      | <b>K</b>   | <b>97</b>      | <b>DRS</b> | <b>160MC4</b> | 235         | 499 |
|               | <b>35</b>        | 4090          | 41.87  | 28400                | 1.05      | <b>KF</b>  | <b>97</b>      | <b>DRS</b> | <b>160MC4</b> | 255         | 500 |
|               | <b>38</b>        | 3740          | 38.30  | 28500                | 1.15      | <b>KA</b>  | <b>97</b>      | <b>DRS</b> | <b>160MC4</b> | 215         | 501 |
|               | <b>43</b>        | 3340          | 34.23  | 28500                | 1.30      | <b>KAF</b> | <b>97</b>      | <b>DRS</b> | <b>160MC4</b> | 240         | 500 |
|               | <b>48</b>        | 3010          | 30.82  | 28400                | 1.45      |            |                |            |               |             |     |
|               | <b>53</b>        | 2720          | 27.91  | 28200                | 1.60      | <b>K</b>   | <b>97</b>      | <b>DRS</b> | <b>160MC4</b> | 235         | 499 |
|               | <b>59</b>        | 2410          | 24.75  | 28000                | 1.80      | <b>KF</b>  | <b>97</b>      | <b>DRS</b> | <b>160MC4</b> | 255         | 500 |
|               | <b>65</b>        | 2180          | 22.37  | 27700                | 1.95      | <b>KA</b>  | <b>97</b>      | <b>DRS</b> | <b>160MC4</b> | 215         | 501 |
|               | <b>77</b>        | 1850          | 18.96  | 27200                | 2.3       | <b>KAF</b> | <b>97</b>      | <b>DRS</b> | <b>160MC4</b> | 240         | 500 |
|               | <b>88</b>        | 1610          | 16.56  | 26600                | 2.7       |            |                |            |               |             |     |
|               | <b>47</b>        | 3060          | 31.39  | 17300                | 0.90      | <b>K</b>   | <b>87</b>      | <b>DRS</b> | <b>160MC4</b> | 175         | 494 |
|               | <b>53</b>        | 2720          | 27.88  | 17600                | 0.95      | <b>KF</b>  | <b>87</b>      | <b>DRS</b> | <b>160MC4</b> | 185         | 495 |
|               | <b>59</b>        | 2430          | 24.92  | 17800                | 1.05      | <b>KA</b>  | <b>87</b>      | <b>DRS</b> | <b>160MC4</b> | 165         | 496 |
|               | <b>65</b>        | 2190          | 22.41  | 18000                | 1.05      | <b>KAF</b> | <b>87</b>      | <b>DRS</b> | <b>160MC4</b> | 175         | 495 |
|               | <b>75</b>        | 1900          | 19.45  | 18000                | 1.20      |            |                |            |               |             |     |
|               | <b>84</b>        | 1700          | 17.42  | 18000                | 1.30      |            |                |            |               |             |     |
|               | <b>92</b>        | 1560          | 16.00  | 16800                | 1.15      |            |                |            |               |             |     |
|               | <b>101</b>       | 1410          | 14.45  | 17800                | 1.50      | <b>K</b>   | <b>87</b>      | <b>DRS</b> | <b>160MC4</b> | 175         | 494 |
|               | <b>117</b>       | 1220          | 12.56  | 17600                | 1.65      | <b>KF</b>  | <b>87</b>      | <b>DRS</b> | <b>160MC4</b> | 185         | 495 |
|               | <b>131</b>       | 1090          | 11.17  | 16600                | 1.35      | <b>KA</b>  | <b>87</b>      | <b>DRS</b> | <b>160MC4</b> | 165         | 496 |
|               | <b>147</b>       | 970           | 10.00  | 16400                | 1.55      | <b>KAF</b> | <b>87</b>      | <b>DRS</b> | <b>160MC4</b> | 175         | 495 |
|               | <b>177</b>       | 810           | 8.29   | 16000                | 1.75      |            |                |            |               |             |     |
|               | <b>203</b>       | 705           | 7.21   | 15700                | 1.85      |            |                |            |               |             |     |
| <b>18.5</b>   | <b>2.8</b>       | 58700         | 520    | 190000               | 0.85      |            |                |            |               |             |     |
|               | <b>3.2</b>       | 51200         | 454    | 190000               | 1.00      | <b>K</b>   | <b>187R107</b> | <b>DRS</b> | <b>180M4</b>  | 1930        | 523 |
|               | <b>4.1</b>       | 39600         | 355    | 190000               | 1.25      | <b>KH</b>  | <b>187R107</b> | <b>DRS</b> | <b>180M4</b>  | 1860        | 523 |
|               | <b>5.6</b>       | 29400         | 261    | 190000               | 1.70      |            |                |            |               |             |     |
|               | <b>6.6</b>       | 24900         | 221    | 190000               | 2.0       |            |                |            |               |             |     |

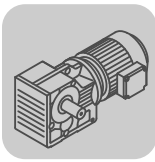


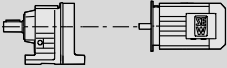


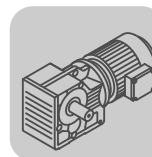
| $P_m$<br>[kW] | $n_a$<br>[1/min] | $M_a$<br>[Nm] | $i$    | $F_{Ra}^{1)}$<br>[N] | SEW $f_B$ |  |                |            |              | $m$<br>[kg] |  |
|---------------|------------------|---------------|--------|----------------------|-----------|------------------------------------------------------------------------------------|----------------|------------|--------------|-------------|-------------------------------------------------------------------------------------|
| <b>18.5</b>   | <b>4.6</b>       | 35900         | 318    | 150000               | 0.90      | <b>K</b>                                                                           | <b>167R107</b> | <b>DRS</b> | <b>180M4</b> | 1350        | 523                                                                                 |
|               | <b>5.3</b>       | 31300         | 278    | 150000               | 1.00      |                                                                                    |                |            |              |             |                                                                                     |
|               | <b>6.0</b>       | 27100         | 244    | 150000               | 1.20      |                                                                                    |                |            |              |             |                                                                                     |
|               | <b>6.8</b>       | 23700         | 213    | 150000               | 1.35      |                                                                                    |                |            |              |             |                                                                                     |
|               | <b>7.1</b>       | 23100         | 206    | 150000               | 1.40      |                                                                                    |                |            |              |             |                                                                                     |
|               | <b>8.1</b>       | 19900         | 180    | 150000               | 1.60      |                                                                                    |                |            |              |             |                                                                                     |
|               | <b>9.2</b>       | 18000         | 160    | 150000               | 1.80      |                                                                                    |                |            |              |             |                                                                                     |
|               | <b>11</b>        | 15200         | 135    | 150000               | 2.1       |                                                                                    |                |            |              |             |                                                                                     |
|               | <b>12</b>        | 13200         | 118    | 150000               | 2.4       | <b>KH</b>                                                                          | <b>167R107</b> | <b>DRS</b> | <b>180M4</b> | 1310        | 523                                                                                 |
|               | <b>7.8</b>       | 20700         | 187    | 110700               | 0.85      |                                                                                    |                |            |              |             |                                                                                     |
|               | <b>9.3</b>       | 17600         | 157    | 112400               | 1.00      |                                                                                    |                |            |              |             |                                                                                     |
|               | <b>12</b>        | 13700         | 122    | 113900               | 1.30      |                                                                                    |                |            |              |             |                                                                                     |
|               | <b>14</b>        | 12000         | 107    | 112100               | 1.50      |                                                                                    |                |            |              |             |                                                                                     |
|               | <b>8.1</b>       | 21700         | 179.86 | 190000               | 2.3       |                                                                                    |                |            |              |             |                                                                                     |
|               | <b>8.8</b>       | 19900         | 165.21 | 190000               | 2.5       |                                                                                    |                |            |              |             |                                                                                     |
|               | <b>10</b>        | 17400         | 144.59 | 190000               | 2.9       |                                                                                    |                |            |              |             |                                                                                     |
|               | <b>11</b>        | 15600         | 129.69 | 190000               | 3.2       |                                                                                    |                |            |              |             |                                                                                     |
|               | <b>11</b>        | 16300         | 134.99 | 150000               | 1.95      | <b>K</b>                                                                           | <b>167</b>     | <b>DRS</b> | <b>180M4</b> | 1170        | 519                                                                                 |
|               | <b>13</b>        | 13200         | 109.83 | 150000               | 2.4       |                                                                                    |                |            |              |             |                                                                                     |
|               | <b>17</b>        | 10600         | 87.86  | 150000               | 3.0       |                                                                                    |                |            |              |             |                                                                                     |
|               | <b>12</b>        | 14800         | 122.39 | 111700               | 1.20      | <b>KH</b>                                                                          | <b>167</b>     | <b>DRS</b> | <b>180M4</b> | 1140        | 520                                                                                 |
|               | <b>15</b>        | 12100         | 100.22 | 109200               | 1.50      |                                                                                    |                |            |              |             |                                                                                     |
|               | <b>16</b>        | 11000         | 91.65  | 107900               | 1.60      |                                                                                    |                |            |              |             |                                                                                     |
|               | <b>18</b>        | 9650          | 79.75  | 105600               | 1.85      | <b>K</b>                                                                           | <b>157</b>     | <b>DRS</b> | <b>180M4</b> | 780         | 514                                                                                 |
|               | <b>21</b>        | 8510          | 70.38  | 103400               | 2.1       |                                                                                    |                |            |              |             |                                                                                     |
|               | <b>24</b>        | 7380          | 61.02  | 100800               | 2.4       |                                                                                    |                |            |              |             |                                                                                     |
|               | <b>27</b>        | 6560          | 54.29  | 98600                | 2.7       |                                                                                    |                |            |              |             |                                                                                     |
|               | <b>31</b>        | 5660          | 46.79  | 95600                | 3.2       |                                                                                    |                |            |              |             |                                                                                     |
|               | <b>38</b>        | 4600          | 38.02  | 91400                | 3.9       |                                                                                    |                |            |              |             |                                                                                     |
|               | <b>13</b>        | 13300         | 110.18 | 79000                | 1.00      | <b>KF</b>                                                                          | <b>127</b>     | <b>DRS</b> | <b>180M4</b> | 550         | 509                                                                                 |
|               | <b>16</b>        | 10800         | 89.89  | 79000                | 1.20      |                                                                                    |                |            |              |             |                                                                                     |
|               | <b>18</b>        | 9910          | 81.98  | 78500                | 1.30      |                                                                                    |                |            |              |             |                                                                                     |
|               | <b>21</b>        | 8580          | 70.95* | 77500                | 1.50      |                                                                                    |                |            |              |             |                                                                                     |
|               | <b>23</b>        | 7570          | 62.60  | 76400                | 1.70      | <b>K</b>                                                                           | <b>127</b>     | <b>DRS</b> | <b>180M4</b> | 550         | 509                                                                                 |
|               | <b>27</b>        | 6540          | 54.07  | 74900                | 2.00      |                                                                                    |                |            |              |             |                                                                                     |
|               | <b>31</b>        | 5780          | 47.82  | 73500                | 2.2       |                                                                                    |                |            |              |             |                                                                                     |
|               | <b>36</b>        | 4860          | 40.19  | 71300                | 2.7       |                                                                                    |                |            |              |             |                                                                                     |
|               | <b>40</b>        | 4380          | 36.25  | 70000                | 3.0       |                                                                                    |                |            |              |             |                                                                                     |
|               | <b>47</b>        | 3790          | 31.37  | 68000                | 3.4       |                                                                                    |                |            |              |             |                                                                                     |
|               | <b>53</b>        | 3340          | 27.68  | 66300                | 3.9       |                                                                                    |                |            |              |             |                                                                                     |
|               | <b>20</b>        | 8860          | 73.30  | 42700                | 0.90      | <b>KF</b>                                                                          | <b>107</b>     | <b>DRS</b> | <b>180M4</b> | 395         | 504                                                                                 |
|               | <b>22</b>        | 8040          | 66.52* | 44200                | 1.00      |                                                                                    |                |            |              |             |                                                                                     |
|               | <b>26</b>        | 6910          | 57.17* | 45700                | 1.15      |                                                                                    |                |            |              |             |                                                                                     |
|               | <b>29</b>        | 6030          | 49.90  | 46600                | 1.30      |                                                                                    |                |            |              |             |                                                                                     |
|               | <b>34</b>        | 5120          | 42.33* | 46300                | 1.45      | <b>K</b>                                                                           | <b>107</b>     | <b>DRS</b> | <b>180M4</b> | 395         | 504                                                                                 |
|               | <b>39</b>        | 4470          | 37.00* | 45700                | 1.60      |                                                                                    |                |            |              |             |                                                                                     |
|               | <b>45</b>        | 3950          | 32.69  | 45100                | 1.80      |                                                                                    |                |            |              |             |                                                                                     |
|               | <b>47</b>        | 3780          | 31.28* | 44900                | 1.80      |                                                                                    |                |            |              |             |                                                                                     |
|               | <b>50</b>        | 3500          | 29.00  | 44400                | 2.0       |                                                                                    |                |            |              |             |                                                                                     |
|               | <b>55</b>        | 3180          | 26.32  | 43800                | 2.3       |                                                                                    |                |            |              |             |                                                                                     |
|               | <b>65</b>        | 2730          | 22.62  | 42800                | 2.6       |                                                                                    |                |            |              |             |                                                                                     |
|               | <b>74</b>        | 2380          | 19.74  | 41700                | 3.0       |                                                                                    |                |            |              |             |                                                                                     |
|               | <b>87</b>        | 2020          | 16.75  | 40500                | 3.5       | <b>KF</b>                                                                          | <b>97</b>      | <b>DRS</b> | <b>180M4</b> | 280         | 499                                                                                 |
|               | <b>35</b>        | 5060          | 41.87  | 25100                | 0.85      |                                                                                    |                |            |              |             |                                                                                     |
|               | <b>47</b>        | 3720          | 30.82  | 26000                | 1.15      |                                                                                    |                |            |              |             |                                                                                     |
|               | <b>52</b>        | 3370          | 27.91  | 26000                | 1.25      |                                                                                    |                |            |              |             |                                                                                     |
|               | <b>59</b>        | 2990          | 24.75  | 26000                | 1.45      | <b>K</b>                                                                           | <b>97</b>      | <b>DRS</b> | <b>180M4</b> | 280         | 499                                                                                 |
|               | <b>65</b>        | 2700          | 22.37  | 25900                | 1.60      |                                                                                    |                |            |              |             |                                                                                     |
|               | <b>77</b>        | 2290          | 18.96  | 25700                | 1.85      |                                                                                    |                |            |              |             |                                                                                     |
|               | <b>88</b>        | 2000          | 16.56  | 25300                | 2.2       |                                                                                    |                |            |              |             |                                                                                     |
|               | <b>105</b>       | 1670          | 13.85  | 24800                | 2.6       | <b>KF</b>                                                                          | <b>97</b>      | <b>DRS</b> | <b>180M4</b> | 300         | 500                                                                                 |
|               | <b>122</b>       | 1450          | 11.99  | 24300                | 2.7       |                                                                                    |                |            |              |             |                                                                                     |

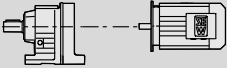


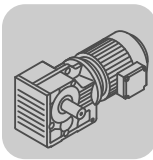
| $P_m$<br>[kW] | $n_a$<br>[1/min] | $M_a$<br>[Nm] | $i$    | $F_{Ra}^{1)}$<br>[N] | SEW $f_B$ |  |         |     |       | $m$<br>[kg] |  |
|---------------|------------------|---------------|--------|----------------------|-----------|------------------------------------------------------------------------------------|---------|-----|-------|-------------|-------------------------------------------------------------------------------------|
| 18.5          | 59               | 3010          | 24.92  | 15500                | 0.85      |                                                                                    |         |     |       |             |                                                                                     |
|               | 65               | 2710          | 22.41  | 15900                | 0.85      |                                                                                    |         |     |       |             |                                                                                     |
|               | 75               | 2350          | 19.45  | 16200                | 1.00      |                                                                                    |         |     |       |             |                                                                                     |
|               | 84               | 2100          | 17.42  | 16400                | 1.05      | K                                                                                  | 87      | DRS | 180M4 | 220         | 494                                                                                 |
|               | 101              | 1740          | 14.45  | 16500                | 1.20      | KF                                                                                 | 87      | DRS | 180M4 | 230         | 495                                                                                 |
|               | 116              | 1510          | 12.56  | 16400                | 1.30      | KA                                                                                 | 87      | DRS | 180M4 | 210         | 496                                                                                 |
|               | 131              | 1350          | 11.17  | 15400                | 1.10      | KAF                                                                                | 87      | DRS | 180M4 | 220         | 495                                                                                 |
|               | 146              | 1200          | 10.00  | 15300                | 1.25      |                                                                                    |         |     |       |             |                                                                                     |
|               | 176              | 1000          | 8.29   | 15200                | 1.40      |                                                                                    |         |     |       |             |                                                                                     |
|               | 202              | 870           | 7.21   | 15000                | 1.50      |                                                                                    |         |     |       |             |                                                                                     |
| 22            | 3.2              | 61000         | 454    | 190000               | 0.80      |                                                                                    |         |     |       |             |                                                                                     |
|               | 4.1              | 47200         | 355    | 190000               | 1.05      |                                                                                    |         |     |       |             |                                                                                     |
|               | 5.6              | 35000         | 261    | 190000               | 1.40      |                                                                                    |         |     |       |             |                                                                                     |
|               | 6.6              | 29700         | 221    | 190000               | 1.70      | K                                                                                  | 187R107 | DRS | 180L4 | 1950        | 523                                                                                 |
|               | 7.6              | 25900         | 193    | 190000               | 1.95      | KH                                                                                 | 187R107 | DRS | 180L4 | 1880        | 523                                                                                 |
|               | 8.9              | 21800         | 163    | 190000               | 2.3       |                                                                                    |         |     |       |             |                                                                                     |
|               | 5.3              | 37300         | 278    | 150000               | 0.85      |                                                                                    |         |     |       |             |                                                                                     |
|               | 6.0              | 32400         | 244    | 150000               | 1.00      |                                                                                    |         |     |       |             |                                                                                     |
|               | 6.8              | 28200         | 213    | 150000               | 1.15      |                                                                                    |         |     |       |             |                                                                                     |
|               | 7.1              | 27500         | 206    | 150000               | 1.15      | K                                                                                  | 167R107 | DRS | 180L4 | 1370        | 523                                                                                 |
|               | 8.1              | 23800         | 180    | 150000               | 1.35      | KH                                                                                 | 167R107 | DRS | 180L4 | 1330        | 523                                                                                 |
|               | 9.2              | 21400         | 160    | 150000               | 1.50      |                                                                                    |         |     |       |             |                                                                                     |
|               | 11               | 18100         | 135    | 150000               | 1.75      |                                                                                    |         |     |       |             |                                                                                     |
|               | 12               | 15800         | 118    | 150000               | 2.0       |                                                                                    |         |     |       |             |                                                                                     |
|               | 9.3              | 21000         | 157    | 109400               | 0.85      | K                                                                                  | 157R107 | DRS | 180L4 | 970         | 523                                                                                 |
|               | 12               | 16400         | 122    | 108100               | 1.10      | KF                                                                                 | 157R107 | DRS | 180L4 | 1050        | 523                                                                                 |
|               | 14               | 14300         | 107    | 107000               | 1.25      | KA                                                                                 | 157R107 | DRS | 180L4 | 940         | 523                                                                                 |
|               |                  |               |        |                      |           | KAF                                                                                | 157R107 | DRS | 180L4 | 1000        | 523                                                                                 |
|               | 8.1              | 25800         | 179.86 | 190000               | 1.95      |                                                                                    |         |     |       |             |                                                                                     |
|               | 8.8              | 23700         | 165.21 | 190000               | 2.1       | K                                                                                  | 187     | DRS | 180L4 | 1780        | 521                                                                                 |
|               | 10               | 20800         | 144.59 | 190000               | 2.4       | KH                                                                                 | 187     | DRS | 180L4 | 1710        | 522                                                                                 |
|               | 11               | 18600         | 129.69 | 190000               | 2.7       |                                                                                    |         |     |       |             |                                                                                     |
|               | 11               | 19400         | 134.99 | 150000               | 1.65      |                                                                                    |         |     |       |             |                                                                                     |
|               | 13               | 15800         | 109.83 | 150000               | 2.0       | K                                                                                  | 167     | DRS | 180L4 | 1190        | 519                                                                                 |
|               | 17               | 12600         | 87.86  | 150000               | 2.5       | KH                                                                                 | 167     | DRS | 180L4 | 1160        | 520                                                                                 |
|               | 19               | 11200         | 78.14  | 150000               | 2.8       |                                                                                    |         |     |       |             |                                                                                     |
|               | 12               | 17600         | 122.39 | 105500               | 1.00      |                                                                                    |         |     |       |             |                                                                                     |
|               | 15               | 14400         | 100.22 | 104100               | 1.25      |                                                                                    |         |     |       |             |                                                                                     |
|               | 16               | 13100         | 91.65  | 103300               | 1.35      |                                                                                    |         |     |       |             |                                                                                     |
|               | 18               | 11400         | 79.75  | 101600               | 1.55      | K                                                                                  | 157     | DRS | 180L4 | 800         | 514                                                                                 |
|               | 21               | 10100         | 70.38  | 99900                | 1.80      | KF                                                                                 | 157     | DRS | 180L4 | 880         | 515                                                                                 |
|               | 24               | 8780          | 61.02  | 97700                | 2.0       | KA                                                                                 | 157     | DRS | 180L4 | 760         | 516                                                                                 |
|               | 27               | 7810          | 54.29  | 95800                | 2.3       | KAF                                                                                | 157     | DRS | 180L4 | 820         | 515                                                                                 |
|               | 31               | 6730          | 46.79  | 93300                | 2.7       |                                                                                    |         |     |       |             |                                                                                     |
|               | 38               | 5470          | 38.02  | 89500                | 3.3       |                                                                                    |         |     |       |             |                                                                                     |
|               | 16               | 12900         | 89.89  | 73900                | 1.00      | K                                                                                  | 127     | DRS | 180L4 | 570         | 509                                                                                 |
|               | 18               | 11700         | 81.98  | 73800                | 1.10      | KF                                                                                 | 127     | DRS | 180L4 | 610         | 510                                                                                 |
|               | 21               | 10200         | 70.95* | 73400                | 1.25      | KA                                                                                 | 127     | DRS | 180L4 | 540         | 511                                                                                 |
|               | 23               | 9000          | 62.60  | 72800                | 1.45      | KAF                                                                                | 127     | DRS | 180L4 | 580         | 510                                                                                 |
|               | 27               | 7770          | 54.07  | 71800                | 1.65      |                                                                                    |         |     |       |             |                                                                                     |
|               | 31               | 6880          | 47.82  | 70700                | 1.90      |                                                                                    |         |     |       |             |                                                                                     |
|               | 36               | 5780          | 40.19  | 69000                | 2.2       | K                                                                                  | 127     | DRS | 180L4 | 570         | 509                                                                                 |
|               | 40               | 5210          | 36.25  | 67900                | 2.5       | KF                                                                                 | 127     | DRS | 180L4 | 610         | 510                                                                                 |
|               | 47               | 4510          | 31.37  | 66200                | 2.9       | KA                                                                                 | 127     | DRS | 180L4 | 540         | 511                                                                                 |
|               | 53               | 3980          | 27.68  | 64700                | 3.3       | KAF                                                                                | 127     | DRS | 180L4 | 580         | 510                                                                                 |
|               | 61               | 3430          | 23.91  | 62800                | 3.8       |                                                                                    |         |     |       |             |                                                                                     |
|               | 69               | 3040          | 21.15  | 61200                | 4.3       |                                                                                    |         |     |       |             |                                                                                     |
|               | 26               | 8220          | 57.17* | 39600                | 0.95      | K                                                                                  | 107     | DRS | 180L4 | 415         | 504                                                                                 |
|               | 29               | 7180          | 49.90  | 41500                | 1.10      | KF                                                                                 | 107     | DRS | 180L4 | 425         | 505                                                                                 |
|               | 34               | 6090          | 42.33* | 42800                | 1.20      | KA                                                                                 | 107     | DRS | 180L4 | 385         | 506                                                                                 |
|               |                  |               |        |                      |           | KAF                                                                                | 107     | DRS | 180L4 | 410         | 505                                                                                 |



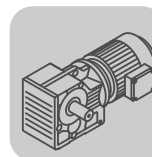
| $P_m$<br>[kW] | $n_a$<br>[1/min] | $M_a$<br>[Nm] | $i$    | $F_{Ra}^{1)}$<br>[N] | SEW $f_B$ |  |                |            |               | $m$<br>[kg] |  |
|---------------|------------------|---------------|--------|----------------------|-----------|------------------------------------------------------------------------------------|----------------|------------|---------------|-------------|-------------------------------------------------------------------------------------|
| <b>22</b>     | <b>39</b>        | 5320          | 37.00* | 43200                | 1.35      | <b>K</b>                                                                           | <b>107</b>     | <b>DRS</b> | <b>180L4</b>  | 415         | 504                                                                                 |
|               | <b>45</b>        | 4700          | 32.69  | 42900                | 1.55      |                                                                                    |                |            |               |             |                                                                                     |
|               | <b>47</b>        | 4500          | 31.28* | 42800                | 1.50      |                                                                                    |                |            |               |             |                                                                                     |
|               | <b>50</b>        | 4170          | 29.00  | 42500                | 1.75      |                                                                                    |                |            |               |             |                                                                                     |
|               | <b>55</b>        | 3780          | 26.32  | 42000                | 1.90      |                                                                                    |                |            |               |             |                                                                                     |
|               | <b>65</b>        | 3250          | 22.62  | 41200                | 2.2       |                                                                                    |                |            |               |             |                                                                                     |
|               | <b>74</b>        | 2840          | 19.74  | 40400                | 2.5       |                                                                                    |                |            |               |             |                                                                                     |
|               | <b>87</b>        | 2400          | 16.75  | 39300                | 2.9       |                                                                                    |                |            |               |             |                                                                                     |
|               | <b>100</b>       | 2100          | 14.64  | 38400                | 3.3       |                                                                                    |                |            |               |             |                                                                                     |
|               | <b>109</b>       | 1930          | 13.43  | 36800                | 2.2       |                                                                                    |                |            |               |             |                                                                                     |
|               | <b>125</b>       | 1680          | 11.73  | 35900                | 2.6       |                                                                                    |                |            |               |             |                                                                                     |
|               | <b>147</b>       | 1430          | 9.94   | 34800                | 2.9       |                                                                                    |                |            |               |             |                                                                                     |
|               | <b>47</b>        | 4430          | 30.82  | 23500                | 0.95      | <b>K</b>                                                                           | <b>97</b>      | <b>DRS</b> | <b>180L4</b>  | 300         | 499                                                                                 |
|               | <b>52</b>        | 4010          | 27.91  | 23800                | 1.05      |                                                                                    |                |            |               |             |                                                                                     |
|               | <b>59</b>        | 3560          | 24.75  | 24100                | 1.20      |                                                                                    |                |            |               |             |                                                                                     |
|               | <b>65</b>        | 3210          | 22.37  | 24200                | 1.35      |                                                                                    |                |            |               |             |                                                                                     |
|               | <b>77</b>        | 2720          | 18.96  | 24200                | 1.60      | <b>K</b>                                                                           | <b>97</b>      | <b>DRS</b> | <b>180L4</b>  | 300         | 499                                                                                 |
|               | <b>88</b>        | 2380          | 16.56  | 24000                | 1.80      |                                                                                    |                |            |               |             |                                                                                     |
|               | <b>105</b>       | 1990          | 13.85  | 23700                | 2.2       |                                                                                    |                |            |               |             |                                                                                     |
|               | <b>122</b>       | 1720          | 11.99  | 23300                | 2.2       |                                                                                    |                |            |               |             |                                                                                     |
|               | <b>140</b>       | 1490          | 10.41  | 21800                | 1.90      | <b>KAF</b>                                                                         | <b>97</b>      | <b>DRS</b> | <b>180L4</b>  | 305         | 500                                                                                 |
|               | <b>168</b>       | 1250          | 8.71   | 21400                | 2.1       |                                                                                    |                |            |               |             |                                                                                     |
|               | <b>75</b>        | 2790          | 19.45  | 14400                | 0.80      | <b>K</b>                                                                           | <b>87</b>      | <b>DRS</b> | <b>180L4</b>  | 240         | 494                                                                                 |
|               | <b>84</b>        | 2500          | 17.42  | 14800                | 0.90      |                                                                                    |                |            |               |             |                                                                                     |
|               | <b>101</b>       | 2070          | 14.45  | 15100                | 1.00      |                                                                                    |                |            |               |             |                                                                                     |
|               | <b>116</b>       | 1800          | 12.56  | 15300                | 1.10      |                                                                                    |                |            |               |             |                                                                                     |
|               | <b>131</b>       | 1600          | 11.17  | 14200                | 0.95      |                                                                                    |                |            |               |             |                                                                                     |
|               | <b>146</b>       | 1430          | 10.00  | 14200                | 1.05      |                                                                                    |                |            |               |             |                                                                                     |
|               | <b>176</b>       | 1190          | 8.29   | 14300                | 1.15      |                                                                                    |                |            |               |             |                                                                                     |
|               | <b>202</b>       | 1030          | 7.21   | 14200                | 1.25      |                                                                                    |                |            |               |             |                                                                                     |
| <b>30</b>     | <b>5.6</b>       | 47600         | 261    | 190000               | 1.05      | <b>K</b>                                                                           | <b>187R107</b> | <b>DRS</b> | <b>180LC4</b> | 1960        | 523                                                                                 |
|               | <b>6.6</b>       | 40300         | 221    | 190000               | 1.25      |                                                                                    |                |            |               |             |                                                                                     |
|               | <b>7.6</b>       | 35200         | 193    | 190000               | 1.40      |                                                                                    |                |            |               |             |                                                                                     |
|               | <b>9.0</b>       | 29700         | 163    | 190000               | 1.70      |                                                                                    |                |            |               |             |                                                                                     |
|               | <b>6.9</b>       | 38400         | 213    | 150000               | 0.85      | <b>K</b>                                                                           | <b>167R107</b> | <b>DRS</b> | <b>180LC4</b> | 1380        | 523                                                                                 |
|               | <b>7.1</b>       | 37400         | 206    | 150000               | 0.85      |                                                                                    |                |            |               |             |                                                                                     |
|               | <b>8.2</b>       | 32400         | 180    | 150000               | 1.00      |                                                                                    |                |            |               |             |                                                                                     |
|               | <b>9.2</b>       | 29100         | 160    | 150000               | 1.10      |                                                                                    |                |            |               |             |                                                                                     |
|               | <b>11</b>        | 24600         | 135    | 150000               | 1.30      |                                                                                    |                |            |               |             |                                                                                     |
|               | <b>12</b>        | 21500         | 118    | 150000               | 1.50      | <b>K</b>                                                                           | <b>187</b>     | <b>DRS</b> | <b>180LC4</b> | 1790        | 521                                                                                 |
|               | <b>8.2</b>       | 35000         | 179.86 | 190000               | 1.45      |                                                                                    |                |            |               |             |                                                                                     |
|               | <b>8.9</b>       | 32100         | 165.21 | 190000               | 1.55      |                                                                                    |                |            |               |             |                                                                                     |
|               | <b>10</b>        | 28100         | 144.59 | 190000               | 1.75      |                                                                                    |                |            |               |             |                                                                                     |
|               | <b>11</b>        | 25200         | 129.69 | 190000               | 2.00      |                                                                                    |                |            |               |             |                                                                                     |
|               | <b>13</b>        | 21900         | 112.60 | 190000               | 2.3       |                                                                                    |                |            |               |             |                                                                                     |
|               | <b>14</b>        | 19900         | 102.16 | 190000               | 2.5       |                                                                                    |                |            |               |             |                                                                                     |
|               | <b>17</b>        | 17100         | 88.00  | 190000               | 2.9       |                                                                                    |                |            |               |             |                                                                                     |
|               | <b>13</b>        | 21400         | 109.83 | 150000               | 1.50      | <b>K</b>                                                                           | <b>167</b>     | <b>DRS</b> | <b>180LC4</b> | 1200        | 519                                                                                 |
|               | <b>17</b>        | 17100         | 87.86  | 150000               | 1.85      |                                                                                    |                |            |               |             |                                                                                     |
|               | <b>19</b>        | 15200         | 78.14  | 150000               | 2.1       |                                                                                    |                |            |               |             |                                                                                     |
|               | <b>22</b>        | 13200         | 68.07  | 150000               | 2.4       |                                                                                    |                |            |               |             |                                                                                     |
|               | <b>24</b>        | 11800         | 60.74  | 150000               | 2.7       |                                                                                    |                |            |               |             |                                                                                     |
|               | <b>15</b>        | 19500         | 100.22 | 92700                | 0.90      | <b>K</b>                                                                           | <b>157</b>     | <b>DRS</b> | <b>180LC4</b> | 810         | 514                                                                                 |
|               | <b>16</b>        | 17800         | 91.65  | 92800                | 1.00      |                                                                                    |                |            |               |             |                                                                                     |
|               | <b>18</b>        | 15500         | 79.75  | 92400                | 1.15      |                                                                                    |                |            |               |             |                                                                                     |
|               | <b>21</b>        | 13700         | 70.38  | 91800                | 1.30      |                                                                                    |                |            |               |             |                                                                                     |
|               | <b>24</b>        | 11800         | 61.02  | 90700                | 1.50      |                                                                                    |                |            |               |             |                                                                                     |
|               | <b>27</b>        | 10500         | 54.29  | 89500                | 1.70      |                                                                                    |                |            |               |             |                                                                                     |
|               | <b>31</b>        | 9110          | 46.79  | 87800                | 1.95      |                                                                                    |                |            |               |             |                                                                                     |
|               | <b>39</b>        | 7400          | 38.02  | 85100                | 2.4       |                                                                                    |                |            |               |             |                                                                                     |
|               | <b>47</b>        | 6100          | 31.30  | 82200                | 3.0       |                                                                                    |                |            |               |             |                                                                                     |

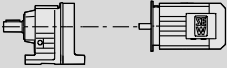


| $P_m$<br>[kW] | $n_a$<br>[1/min] | $M_a$<br>[Nm] | $i$    | $F_{Ra}^{1)}$<br>[N] | SEW $f_B$ |  |         |     |        | $m$<br>[kg] |  |
|---------------|------------------|---------------|--------|----------------------|-----------|------------------------------------------------------------------------------------|---------|-----|--------|-------------|-------------------------------------------------------------------------------------|
| 30            | 21               | 13800         | 70.95* | 64200                | 0.95      | K<br>KF<br>KA<br>KAF                                                               | 127     | DRS | 180LC4 | 580         | 509                                                                                 |
|               | 23               | 12200         | 62.60  | 64600                | 1.05      |                                                                                    |         |     |        |             |                                                                                     |
|               | 27               | 10500         | 54.07  | 64700                | 1.25      |                                                                                    |         |     |        |             |                                                                                     |
|               | 31               | 9310          | 47.82  | 64400                | 1.40      |                                                                                    |         |     |        |             |                                                                                     |
|               | 37               | 7830          | 40.19  | 63700                | 1.65      |                                                                                    |         |     |        |             |                                                                                     |
|               | 41               | 7060          | 36.25  | 63100                | 1.85      |                                                                                    |         |     |        |             |                                                                                     |
|               | 47               | 6110          | 31.37  | 62000                | 2.1       |                                                                                    |         |     |        |             |                                                                                     |
|               | 53               | 5390          | 27.68  | 61000                | 2.4       | K<br>KF<br>KA<br>KAF                                                               | 107     | DRS | 180LC4 | 425         | 504                                                                                 |
|               | 62               | 4650          | 23.91  | 59600                | 2.8       |                                                                                    |         |     |        |             |                                                                                     |
|               | 35               | 8240          | 42.33* | 32400                | 0.90      |                                                                                    |         |     |        |             |                                                                                     |
|               | 40               | 7200          | 37.00* | 34700                | 1.00      |                                                                                    |         |     |        |             |                                                                                     |
|               | 47               | 6090          | 31.28* | 36600                | 1.10      |                                                                                    |         |     |        |             |                                                                                     |
|               | 51               | 5650          | 29.00  | 37200                | 1.25      | K<br>KF<br>KA<br>KAF                                                               | 107     | DRS | 180LC4 | 425         | 504                                                                                 |
|               | 56               | 5120          | 26.32  | 37700                | 1.40      |                                                                                    |         |     |        |             |                                                                                     |
|               | 65               | 4400          | 22.62  | 37700                | 1.65      |                                                                                    |         |     |        |             |                                                                                     |
|               | 74               | 3840          | 19.74  | 37400                | 1.85      |                                                                                    |         |     |        |             |                                                                                     |
|               | 88               | 3260          | 16.75  | 36700                | 2.2       |                                                                                    |         |     |        |             |                                                                                     |
|               | 100              | 2850          | 14.64  | 36100                | 2.4       |                                                                                    |         |     |        |             |                                                                                     |
|               | 109              | 2610          | 13.43  | 34400                | 1.65      | K<br>KF<br>KA<br>KAF                                                               | 97      | DRS | 180LC4 | 310         | 499                                                                                 |
|               | 125              | 2280          | 11.73  | 33800                | 1.90      |                                                                                    |         |     |        |             |                                                                                     |
|               | 148              | 1930          | 9.94   | 33000                | 2.2       |                                                                                    |         |     |        |             |                                                                                     |
|               | 169              | 1690          | 8.69   | 32200                | 2.4       |                                                                                    |         |     |        |             |                                                                                     |
| 37            | 5.6              | 58800         | 261    | 190000               | 0.85      | K<br>KH                                                                            | 187R107 | DRS | 225S4  | 2080        | 523                                                                                 |
|               | 6.6              | 49800         | 221    | 190000               | 1.00      |                                                                                    |         |     |        |             |                                                                                     |
|               | 7.6              | 43500         | 193    | 190000               | 1.15      |                                                                                    |         |     |        |             |                                                                                     |
|               | 9.0              | 36700         | 163    | 190000               | 1.35      |                                                                                    |         |     |        |             |                                                                                     |
|               | 8.2              | 40000         | 180    | 150000               | 0.80      | K<br>KH                                                                            | 167R107 | DRS | 225S4  | 1500        | 523                                                                                 |
|               | 9.2              | 35900         | 160    | 150000               | 0.90      |                                                                                    |         |     |        |             |                                                                                     |
|               | 11               | 30400         | 135    | 150000               | 1.05      |                                                                                    |         |     |        |             |                                                                                     |
|               | 12               | 26600         | 118    | 150000               | 1.20      |                                                                                    |         |     |        |             |                                                                                     |
|               | 8.2              | 43200         | 179.86 | 190000               | 1.15      | K<br>KH                                                                            | 187     | DRS | 225S4  | 1910        | 521                                                                                 |
|               | 8.9              | 39700         | 165.21 | 190000               | 1.25      |                                                                                    |         |     |        |             |                                                                                     |
|               | 10               | 34700         | 144.59 | 190000               | 1.45      |                                                                                    |         |     |        |             |                                                                                     |
|               | 11               | 31100         | 129.69 | 190000               | 1.60      |                                                                                    |         |     |        |             |                                                                                     |
|               | 13               | 27000         | 112.60 | 190000               | 1.85      |                                                                                    |         |     |        |             |                                                                                     |
|               | 14               | 24500         | 102.16 | 190000               | 2.0       |                                                                                    |         |     |        |             |                                                                                     |
|               | 17               | 21100         | 88.00  | 190000               | 2.4       | K<br>KH                                                                            | 167     | DRS | 225S4  | 1320        | 519                                                                                 |
|               | 13               | 26300         | 109.83 | 150000               | 1.20      |                                                                                    |         |     |        |             |                                                                                     |
|               | 17               | 21100         | 87.86  | 150000               | 1.50      |                                                                                    |         |     |        |             |                                                                                     |
|               | 19               | 18700         | 78.14  | 150000               | 1.70      |                                                                                    |         |     |        |             |                                                                                     |
|               | 22               | 16300         | 68.07  | 150000               | 1.95      |                                                                                    |         |     |        |             |                                                                                     |
|               | 24               | 14500         | 60.74  | 150000               | 2.2       |                                                                                    |         |     |        |             |                                                                                     |
|               | 28               | 12400         | 51.77  | 150000               | 2.6       |                                                                                    |         |     |        |             |                                                                                     |
|               | 16               | 22000         | 91.65  | 83600                | 0.80      | K<br>KF<br>KA<br>KAF                                                               | 157     | DRS | 225S4  | 930         | 514                                                                                 |
|               | 18               | 19100         | 79.75  | 84500                | 0.95      |                                                                                    |         |     |        |             |                                                                                     |
|               | 21               | 16900         | 70.38  | 84800                | 1.05      |                                                                                    |         |     |        |             |                                                                                     |
|               | 24               | 14600         | 61.02  | 84600                | 1.25      |                                                                                    |         |     |        |             |                                                                                     |
|               | 27               | 13000         | 54.29  | 84100                | 1.40      | K<br>KF<br>KA<br>KAF                                                               | 127     | DRS | 225S4  | 700         | 509                                                                                 |
|               | 31               | 11200         | 46.79  | 83200                | 1.60      |                                                                                    |         |     |        |             |                                                                                     |
|               | 39               | 9130          | 38.02  | 81300                | 1.95      |                                                                                    |         |     |        |             |                                                                                     |
|               | 47               | 7520          | 31.30  | 79100                | 2.4       |                                                                                    |         |     |        |             |                                                                                     |
|               | 23               | 15000         | 62.60  | 57500                | 0.85      | K<br>KF<br>KA<br>KAF                                                               | 127     | DRS | 225S4  | 740         | 510                                                                                 |
|               | 27               | 12900         | 54.07  | 58500                | 1.00      |                                                                                    |         |     |        |             |                                                                                     |
|               | 31               | 11400         | 47.82  | 59000                | 1.15      |                                                                                    |         |     |        |             |                                                                                     |
|               | 37               | 9650          | 40.19  | 59100                | 1.35      |                                                                                    |         |     |        |             |                                                                                     |

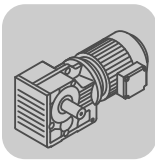


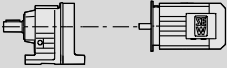
| $P_m$<br>[kW] | $n_a$<br>[1/min] | $M_a$<br>[Nm] | $i$    | $F_{Ra}^{1)}$<br>[N] | SEW $f_B$ |                      |         |     |       | $m$<br>[kg] |     |
|---------------|------------------|---------------|--------|----------------------|-----------|----------------------|---------|-----|-------|-------------|-----|
| 37            | 41               | 8710          | 36.25  | 59000                | 1.50      | K<br>KF<br>KA<br>KAF | 127     | DRS | 225S4 | 700         | 509 |
|               | 47               | 7530          | 31.37  | 58500                | 1.70      |                      |         |     |       |             |     |
|               | 53               | 6650          | 27.68  | 57800                | 1.95      |                      |         |     |       |             |     |
|               | 62               | 5740          | 23.91  | 56900                | 2.3       |                      |         |     |       |             |     |
|               | 70               | 5080          | 21.15  | 56000                | 2.6       |                      |         |     |       |             |     |
|               | 83               | 4270          | 17.77  | 54500                | 3.0       |                      |         |     |       |             |     |
|               | 102              | 3440          | 14.35  | 52500                | 3.5       |                      |         |     |       |             |     |
|               | 115              | 3070          | 12.79  | 50200                | 2.8       |                      |         |     |       |             |     |
|               | 137              | 2580          | 10.74  | 48600                | 3.1       |                      |         |     |       |             |     |
|               | 169              | 2080          | 8.68   | 46600                | 3.5       |                      |         |     |       |             |     |
|               | 40               | 8890          | 37.00* | 25800                | 0.80      | K<br>KF<br>KA<br>KAF | 107     | DRS | 225S4 | 540         | 504 |
|               | 47               | 7510          | 31.28* | 29700                | 0.90      |                      |         |     |       |             |     |
|               | 51               | 6960          | 29.00  | 30900                | 1.05      |                      |         |     |       |             |     |
|               | 56               | 6320          | 26.32  | 32200                | 1.15      |                      |         |     |       |             |     |
|               | 65               | 5430          | 22.62  | 33600                | 1.30      |                      |         |     |       |             |     |
|               | 74               | 4740          | 19.74  | 34400                | 1.50      |                      |         |     |       |             |     |
|               | 88               | 4020          | 16.75  | 34500                | 1.75      |                      |         |     |       |             |     |
|               | 100              | 3510          | 14.64  | 34200                | 1.95      |                      |         |     |       |             |     |
|               | 109              | 3220          | 13.43  | 32300                | 1.35      |                      |         |     |       |             |     |
|               | 125              | 2810          | 11.73  | 32000                | 1.55      |                      |         |     |       |             |     |
|               | 148              | 2380          | 9.94   | 31400                | 1.75      |                      |         |     |       |             |     |
|               | 169              | 2080          | 8.69   | 30900                | 1.95      |                      |         |     |       |             |     |
| 45            | 6.7              | 60200         | 221    | 190000               | 0.85      | K<br>KH              | 187R107 | DRS | 225M4 | 2100        | 523 |
|               | 7.6              | 52600         | 193    | 190000               | 0.95      |                      |         |     |       |             |     |
|               | 9.0              | 44400         | 163    | 190000               | 1.10      | K<br>KH              | 167R107 | DRS | 225M4 | 1520        | 523 |
|               | 11               | 36800         | 135    | 150000               | 0.85      |                      |         |     |       |             |     |
|               | 13               | 32100         | 118    | 150000               | 1.00      | K<br>KH              | 187     | DRS | 225M4 | 1930        | 521 |
|               | 8.2              | 52200         | 179.86 | 190000               | 0.95      |                      |         |     |       |             |     |
|               | 9.0              | 47900         | 165.21 | 190000               | 1.05      |                      |         |     |       |             |     |
|               | 10               | 41900         | 144.59 | 190000               | 1.20      |                      |         |     |       |             |     |
|               | 11               | 37600         | 129.69 | 190000               | 1.35      |                      |         |     |       |             |     |
|               | 13               | 32600         | 112.60 | 190000               | 1.55      |                      |         |     |       |             |     |
|               | 14               | 29600         | 102.16 | 190000               | 1.70      |                      |         |     |       |             |     |
|               | 17               | 25500         | 88.00  | 190000               | 1.95      |                      |         |     |       |             |     |
|               | 20               | 21400         | 73.96  | 187400               | 2.3       | K<br>KH              | 167     | DRS | 225M4 | 1340        | 519 |
|               | 13               | 31800         | 109.83 | 150000               | 1.00      |                      |         |     |       |             |     |
|               | 17               | 25500         | 87.86  | 150000               | 1.25      |                      |         |     |       |             |     |
|               | 19               | 22600         | 78.14  | 150000               | 1.40      |                      |         |     |       |             |     |
|               | 22               | 19700         | 68.07  | 150000               | 1.60      |                      |         |     |       |             |     |
|               | 24               | 17600         | 60.74  | 148900               | 1.80      |                      |         |     |       |             |     |
|               | 29               | 15000         | 51.77  | 145200               | 2.1       | K<br>KF<br>KA<br>KAF | 157     | DRS | 225M4 | 950         | 514 |
|               | 34               | 12400         | 42.89  | 140400               | 2.6       |                      |         |     |       |             |     |
|               | 21               | 20400         | 70.38  | 76800                | 0.90      |                      |         |     |       |             |     |
|               | 24               | 17700         | 61.02  | 77700                | 1.00      |                      |         |     |       |             |     |
|               | 27               | 15700         | 54.29  | 78000                | 1.15      |                      |         |     |       |             |     |
|               | 32               | 13500         | 46.79  | 77800                | 1.30      |                      |         |     |       |             |     |
|               | 39               | 11000         | 38.02  | 76900                | 1.65      |                      |         |     |       |             |     |
|               | 47               | 9080          | 31.30  | 75400                | 2.00      |                      |         |     |       |             |     |
|               | 54               | 8020          | 27.62  | 74300                | 2.2       |                      |         |     |       |             |     |
|               | 62               | 6950          | 23.95  | 72800                | 2.6       |                      |         |     |       |             |     |
|               | 69               | 6180          | 21.31  | 71400                | 2.9       | K<br>KF<br>KA<br>KAF | 127     | DRS | 225M4 | 720         | 509 |
|               | 81               | 5330          | 18.37  | 69600                | 3.4       |                      |         |     |       |             |     |
|               | 31               | 13800         | 47.82  | 52800                | 0.95      |                      |         |     |       |             |     |
|               | 37               | 11600         | 40.19  | 53900                | 1.10      |                      |         |     |       |             |     |
|               | 41               | 10500         | 36.25  | 54200                | 1.25      | K<br>KF<br>KA<br>KAF | 127     | DRS | 225M4 | 760         | 510 |
|               | 47               | 9100          | 31.37  | 54400                | 1.45      |                      |         |     |       |             |     |
|               | 53               | 8030          | 27.68  | 54200                | 1.60      |                      |         |     |       |             |     |
|               | 62               | 6930          | 23.91  | 53800                | 1.85      |                      |         |     |       |             |     |
|               | 70               | 6130          | 21.15  | 53200                | 2.1       |                      |         |     |       |             |     |
|               | 83               | 5150          | 17.77  | 52200                | 2.5       |                      |         |     |       |             |     |
|               | 103              | 4160          | 14.35  | 50600                | 2.9       |                      |         |     |       |             |     |
|               | 116              | 3710          | 12.79  | 48300                | 2.3       |                      |         |     |       |             |     |
|               | 138              | 3110          | 10.74  | 47000                | 2.6       | K<br>KF<br>KA<br>KAF | 107     | DRS | 225M4 | 560         | 504 |
|               | 171              | 2510          | 8.68   | 45200                | 2.9       |                      |         |     |       |             |     |
|               | 51               | 8410          | 29.00  | 22900                | 0.85      |                      |         |     |       |             |     |
|               | 56               | 7630          | 26.32  | 25300                | 0.95      |                      |         |     |       |             |     |
|               | 65               | 6560          | 22.62  | 28100                | 1.10      | K<br>KF<br>KA<br>KAF | 107     | DRS | 225M4 | 580         | 505 |
|               | 75               | 5730          | 19.74  | 29800                | 1.25      |                      |         |     |       |             |     |

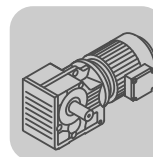


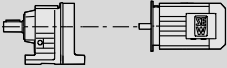
| $P_m$<br>[kW] | $n_a$<br>[1/min] | $M_a$<br>[Nm] | $i$    | $F_{Ra}^{1)}$<br>[N] | SEW $f_B$ |  |            |            |               | $m$<br>[kg] |  |
|---------------|------------------|---------------|--------|----------------------|-----------|------------------------------------------------------------------------------------|------------|------------|---------------|-------------|-------------------------------------------------------------------------------------|
| <b>45</b>     | <b>88</b>        | 4860          | 16.75  | 31100                | 1.45      | <b>K</b>                                                                           | <b>107</b> | <b>DRS</b> | <b>225M4</b>  | 560         | 504                                                                                 |
|               | <b>101</b>       | 4240          | 14.64  | 31700                | 1.60      |                                                                                    |            |            |               |             |                                                                                     |
|               | <b>110</b>       | 3890          | 13.43  | 29900                | 1.10      |                                                                                    |            |            |               |             |                                                                                     |
|               | <b>126</b>       | 3400          | 11.73  | 29900                | 1.25      |                                                                                    |            |            |               |             |                                                                                     |
|               | <b>149</b>       | 2880          | 9.94   | 29600                | 1.45      |                                                                                    |            |            |               |             |                                                                                     |
|               | <b>170</b>       | 2520          | 8.69   | 29300                | 1.60      |                                                                                    |            |            |               |             |                                                                                     |
| <b>55</b>     | <b>10</b>        | 51300         | 144.59 | 190000               | 0.95      | <b>K</b>                                                                           | <b>187</b> | <b>DRS</b> | <b>225MC4</b> | 1940        | 521                                                                                 |
|               | <b>11</b>        | 46000         | 129.69 | 190000               | 1.10      |                                                                                    |            |            |               |             |                                                                                     |
|               | <b>13</b>        | 39900         | 112.60 | 188500               | 1.25      |                                                                                    |            |            |               |             |                                                                                     |
|               | <b>14</b>        | 36200         | 102.16 | 187000               | 1.40      |                                                                                    |            |            |               |             |                                                                                     |
|               | <b>17</b>        | 31200         | 88.00  | 184200               | 1.60      |                                                                                    |            |            |               |             |                                                                                     |
|               | <b>20</b>        | 26200         | 73.96  | 180100               | 1.90      |                                                                                    |            |            |               |             |                                                                                     |
|               | <b>23</b>        | 22700         | 64.04  | 176200               | 2.2       |                                                                                    |            |            |               |             |                                                                                     |
|               | <b>17</b>        | 31100         | 87.86  | 145300               | 1.05      |                                                                                    |            |            |               |             |                                                                                     |
|               | <b>19</b>        | 27700         | 78.14  | 144600               | 1.15      |                                                                                    |            |            |               |             |                                                                                     |
|               | <b>22</b>        | 24100         | 68.07  | 143200               | 1.30      |                                                                                    |            |            |               |             |                                                                                     |
|               | <b>24</b>        | 21500         | 60.74  | 141700               | 1.50      |                                                                                    |            |            |               |             |                                                                                     |
|               | <b>29</b>        | 18300         | 51.77  | 139100               | 1.75      |                                                                                    |            |            |               |             |                                                                                     |
|               | <b>34</b>        | 15200         | 42.89  | 135400               | 2.1       |                                                                                    |            |            |               |             |                                                                                     |
|               | <b>40</b>        | 12900         | 36.61  | 131900               | 2.5       |                                                                                    |            |            |               |             |                                                                                     |
|               | <b>24</b>        | 21600         | 61.02  | 69000                | 0.85      |                                                                                    |            |            |               |             |                                                                                     |
|               | <b>27</b>        | 19200         | 54.29  | 70300                | 0.95      |                                                                                    |            |            |               |             |                                                                                     |
|               | <b>32</b>        | 16600         | 46.79  | 71200                | 1.10      |                                                                                    |            |            |               |             |                                                                                     |
|               | <b>39</b>        | 13400         | 38.02  | 71500                | 1.35      |                                                                                    |            |            |               |             |                                                                                     |
|               | <b>47</b>        | 11100         | 31.30  | 71000                | 1.60      |                                                                                    |            |            |               |             |                                                                                     |
|               | <b>54</b>        | 9800          | 27.62  | 70400                | 1.85      |                                                                                    |            |            |               |             |                                                                                     |
|               | <b>62</b>        | 8490          | 23.95  | 69400                | 2.1       |                                                                                    |            |            |               |             |                                                                                     |
|               | <b>69</b>        | 7560          | 21.31  | 68400                | 2.4       |                                                                                    |            |            |               |             |                                                                                     |
|               | <b>81</b>        | 6510          | 18.37  | 67000                | 2.8       |                                                                                    |            |            |               |             |                                                                                     |
|               | <b>99</b>        | 5290          | 14.92  | 64700                | 3.4       |                                                                                    |            |            |               |             |                                                                                     |
|               | <b>117</b>       | 4490          | 12.65  | 62800                | 3.8       |                                                                                    |            |            |               |             |                                                                                     |
|               | <b>37</b>        | 14200         | 40.19  | 47400                | 0.90      |                                                                                    |            |            |               |             |                                                                                     |
|               | <b>47</b>        | 11100         | 31.37  | 49300                | 1.15      |                                                                                    |            |            |               |             |                                                                                     |
|               | <b>53</b>        | 9820          | 27.68  | 49700                | 1.30      |                                                                                    |            |            |               |             |                                                                                     |
|               | <b>62</b>        | 8480          | 23.91  | 49900                | 1.55      |                                                                                    |            |            |               |             |                                                                                     |
|               | <b>70</b>        | 7500          | 21.15  | 49800                | 1.75      |                                                                                    |            |            |               |             |                                                                                     |
|               | <b>83</b>        | 6300          | 17.77  | 49300                | 2.1       |                                                                                    |            |            |               |             |                                                                                     |
|               | <b>103</b>       | 5090          | 14.35  | 48300                | 2.4       |                                                                                    |            |            |               |             |                                                                                     |
|               | <b>116</b>       | 4530          | 12.79  | 45900                | 1.90      |                                                                                    |            |            |               |             |                                                                                     |
|               | <b>138</b>       | 3810          | 10.74  | 45000                | 2.1       |                                                                                    |            |            |               |             |                                                                                     |
|               | <b>171</b>       | 3070          | 8.68   | 43600                | 2.4       |                                                                                    |            |            |               |             |                                                                                     |
| <b>75</b>     | <b>11</b>        | 62700         | 129.69 | 164100               | 0.80      | <b>K</b>                                                                           | <b>187</b> | <b>DV</b>  | <b>280S4</b>  | 2200        | 521                                                                                 |
|               | <b>13</b>        | 54400         | 112.60 | 166100               | 0.90      |                                                                                    |            |            |               |             |                                                                                     |
|               | <b>14</b>        | 49400         | 102.16 | 166600               | 1.00      |                                                                                    |            |            |               |             |                                                                                     |
|               | <b>17</b>        | 42500         | 88.00  | 166600               | 1.15      |                                                                                    |            |            |               |             |                                                                                     |
|               | <b>20</b>        | 35700         | 73.96  | 165300               | 1.40      |                                                                                    |            |            |               |             |                                                                                     |
|               | <b>23</b>        | 30900         | 64.04  | 163400               | 1.60      |                                                                                    |            |            |               |             |                                                                                     |
|               | <b>28</b>        | 25800         | 53.36  | 160100               | 1.95      |                                                                                    |            |            |               |             |                                                                                     |
|               | <b>33</b>        | 22000         | 45.50* | 156700               | 2.3       |                                                                                    |            |            |               |             |                                                                                     |
|               | <b>19</b>        | 37800         | 78.14  | 126100               | 0.85      |                                                                                    |            |            |               |             |                                                                                     |
|               | <b>22</b>        | 32900         | 68.07  | 127100               | 0.95      |                                                                                    |            |            |               |             |                                                                                     |
|               | <b>24</b>        | 29300         | 60.74  | 127300               | 1.10      |                                                                                    |            |            |               |             |                                                                                     |
|               | <b>29</b>        | 25000         | 51.77  | 126800               | 1.30      |                                                                                    |            |            |               |             |                                                                                     |
|               | <b>34</b>        | 20700         | 42.89  | 125200               | 1.55      |                                                                                    |            |            |               |             |                                                                                     |
|               | <b>40</b>        | 17700         | 36.61  | 123200               | 1.80      |                                                                                    |            |            |               |             |                                                                                     |
|               | <b>46</b>        | 15600         | 32.25  | 121300               | 2.0       |                                                                                    |            |            |               |             |                                                                                     |
|               | <b>51</b>        | 13900         | 28.77  | 119300               | 2.3       |                                                                                    |            |            |               |             |                                                                                     |
|               | <b>60</b>        | 11800         | 24.52  | 116300               | 2.7       |                                                                                    |            |            |               |             |                                                                                     |
|               | <b>39</b>        | 18300         | 38.02  | 60800                | 1.00      |                                                                                    |            |            |               |             |                                                                                     |
|               | <b>47</b>        | 15100         | 31.30  | 62200                | 1.20      |                                                                                    |            |            |               |             |                                                                                     |
|               | <b>54</b>        | 13300         | 27.62  | 62600                | 1.35      |                                                                                    |            |            |               |             |                                                                                     |
|               | <b>62</b>        | 11500         | 23.95  | 62600                | 1.55      |                                                                                    |            |            |               |             |                                                                                     |
|               | <b>69</b>        | 10300         | 21.31  | 62400                | 1.75      |                                                                                    |            |            |               |             |                                                                                     |
|               | <b>81</b>        | 8880          | 18.37  | 61800                | 2.0       |                                                                                    |            |            |               |             |                                                                                     |
|               | <b>99</b>        | 7220          | 14.92  | 60500                | 2.5       |                                                                                    |            |            |               |             |                                                                                     |
|               | <b>117</b>       | 6120          | 12.65  | 59300                | 2.8       |                                                                                    |            |            |               |             |                                                                                     |

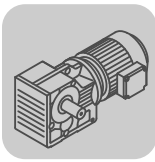




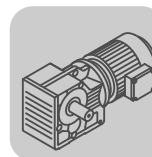
| $P_m$<br>[kW] | $n_a$<br>[1/min] | $M_a$<br>[Nm] | $i$    | $F_{Ra}^{1)}$<br>[N] | SEW $f_B$ |  |            |            |                     | $m$<br>[kg] |  |
|---------------|------------------|---------------|--------|----------------------|-----------|------------------------------------------------------------------------------------|------------|------------|---------------------|-------------|-------------------------------------------------------------------------------------|
| <b>75</b>     | <b>47</b>        | 15100         | 31.37  | 39200                | 0.85      | <b>K</b>                                                                           | <b>127</b> | <b>DV</b>  | <b>280S4</b>        | 990         | 509                                                                                 |
|               | <b>53</b>        | 13300         | 27.68  | 40800                | 0.95      |                                                                                    |            |            |                     |             |                                                                                     |
|               | <b>62</b>        | 11500         | 23.91  | 42200                | 1.10      |                                                                                    |            |            |                     |             |                                                                                     |
|               | <b>70</b>        | 10200         | 21.15  | 42900                | 1.25      |                                                                                    |            |            |                     |             |                                                                                     |
|               | <b>83</b>        | 8590          | 17.77  | 43500                | 1.50      |                                                                                    |            |            |                     |             |                                                                                     |
|               | <b>103</b>       | 6940          | 14.35  | 43700                | 1.75      |                                                                                    |            |            |                     |             |                                                                                     |
|               | <b>116</b>       | 6180          | 12.79  | 41100                | 1.40      |                                                                                    |            |            |                     |             |                                                                                     |
|               | <b>138</b>       | 5190          | 10.74  | 41000                | 1.55      |                                                                                    |            |            |                     |             |                                                                                     |
|               | <b>171</b>       | 4190          | 8.68   | 40400                | 1.70      |                                                                                    |            |            |                     |             |                                                                                     |
| <b>90</b>     | <b>14</b>        | 59300         | 102.16 | 151300               | 0.85      | <b>K</b>                                                                           | <b>187</b> | <b>DV</b>  | <b>280M4</b>        | 2200        | 521                                                                                 |
|               | <b>17</b>        | 51100         | 88.00  | 153400               | 1.00      |                                                                                    |            |            |                     |             |                                                                                     |
|               | <b>20</b>        | 42900         | 73.96  | 154200               | 1.15      |                                                                                    |            |            |                     |             |                                                                                     |
|               | <b>23</b>        | 37100         | 64.04  | 153800               | 1.35      |                                                                                    |            |            |                     |             |                                                                                     |
|               | <b>28</b>        | 30900         | 53.36  | 152200               | 1.60      |                                                                                    |            |            |                     |             |                                                                                     |
|               | <b>33</b>        | 26400         | 45.50* | 149900               | 1.90      |                                                                                    |            |            |                     |             |                                                                                     |
|               | <b>35</b>        | 24600         | 42.51  | 148700               | 2.0       |                                                                                    |            |            |                     |             |                                                                                     |
|               | <b>38</b>        | 22300         | 38.57  | 146900               | 2.2       |                                                                                    |            |            |                     |             |                                                                                     |
|               | <b>22</b>        | 39500         | 68.07  | 115100               | 0.80      | <b>K</b>                                                                           | <b>167</b> | <b>DV</b>  | <b>280M4</b>        | 1620        | 519                                                                                 |
|               | <b>24</b>        | 35200         | 60.74  | 116600               | 0.90      |                                                                                    |            |            |                     |             |                                                                                     |
|               | <b>29</b>        | 30000         | 51.77  | 117600               | 1.05      |                                                                                    |            |            |                     |             |                                                                                     |
|               | <b>34</b>        | 24900         | 42.89  | 117600               | 1.30      |                                                                                    |            |            |                     |             |                                                                                     |
|               | <b>40</b>        | 21200         | 36.61  | 116700               | 1.50      |                                                                                    |            |            |                     |             |                                                                                     |
|               | <b>46</b>        | 18700         | 32.25  | 115500               | 1.70      |                                                                                    |            |            |                     |             |                                                                                     |
|               | <b>51</b>        | 16700         | 28.77  | 114200               | 1.90      |                                                                                    |            |            |                     |             |                                                                                     |
|               | <b>60</b>        | 14200         | 24.52  | 111900               | 2.2       |                                                                                    |            |            |                     |             |                                                                                     |
|               | <b>73</b>        | 11700         | 20.32  | 108800               | 2.7       | <b>K</b>                                                                           | <b>157</b> | <b>DV</b>  | <b>280M4</b>        | 1230        | 514                                                                                 |
|               | <b>85</b>        | 10000         | 17.34  | 106000               | 3.2       |                                                                                    |            |            |                     |             |                                                                                     |
|               | <b>39</b>        | 22000         | 38.02  | 52700                | 0.80      |                                                                                    |            |            |                     |             |                                                                                     |
|               | <b>62</b>        | 13900         | 23.95  | 57500                | 1.30      |                                                                                    |            |            |                     |             |                                                                                     |
|               | <b>69</b>        | 12300         | 21.31  | 57900                | 1.45      |                                                                                    |            |            |                     |             |                                                                                     |
|               | <b>81</b>        | 10600         | 18.37  | 57900                | 1.70      |                                                                                    |            |            |                     |             |                                                                                     |
|               | <b>99</b>        | 8660          | 14.92  | 57400                | 2.1       |                                                                                    |            |            |                     |             |                                                                                     |
|               | <b>117</b>       | 7340          | 12.65  | 56600                | 2.3       |                                                                                    |            |            |                     |             |                                                                                     |
|               | <b>62</b>        | 13800         | 23.91  | 36400                | 0.95      | <b>K</b>                                                                           | <b>127</b> | <b>DV</b>  | <b>280M4</b>        | 990         | 509                                                                                 |
|               | <b>70</b>        | 12200         | 21.15  | 37800                | 1.05      |                                                                                    |            |            |                     |             |                                                                                     |
|               | <b>83</b>        | 10300         | 17.77  | 39200                | 1.25      |                                                                                    |            |            |                     |             |                                                                                     |
|               | <b>103</b>       | 8330          | 14.35  | 40200                | 1.45      |                                                                                    |            |            |                     |             |                                                                                     |
|               | <b>116</b>       | 7420          | 12.79  | 37600                | 1.15      |                                                                                    |            |            |                     |             |                                                                                     |
|               | <b>138</b>       | 6230          | 10.74  | 38000                | 1.30      |                                                                                    |            |            |                     |             |                                                                                     |
|               | <b>171</b>       | 5030          | 8.68   | 38000                | 1.45      |                                                                                    |            |            |                     |             |                                                                                     |
| <b>110</b>    | <b>17</b>        | 62300         | 88.00  | 135900               | 0.80      | <b>K</b>                                                                           | <b>187</b> | <b>DRS</b> | <b>315K4</b>        | 2450        | 521                                                                                 |
|               | <b>20</b>        | 52400         | 73.96  | 139500               | 0.95      |                                                                                    |            |            |                     |             |                                                                                     |
|               | <b>23</b>        | 45300         | 64.04  | 141000               | 1.10      |                                                                                    |            |            |                     |             |                                                                                     |
|               | <b>28</b>        | 37800         | 53.36  | 141500               | 1.30      |                                                                                    |            |            |                     |             |                                                                                     |
|               | <b>33</b>        | 32200         | 45.50* | 140800               | 1.55      |                                                                                    |            |            |                     |             |                                                                                     |
|               | <b>35</b>        | 30100         | 42.51  | 140200               | 1.65      | <b>K</b>                                                                           | <b>187</b> | <b>DRS</b> | <b>315K4/ERF/NS</b> | 2450        | 521                                                                                 |
|               | <b>38</b>        | 27300         | 38.57  | 139200               | 1.85      |                                                                                    |            |            |                     |             |                                                                                     |
|               | <b>45</b>        | 23500         | 33.23  | 137100               | 2.1       | <b>K</b>                                                                           | <b>187</b> | <b>DRS</b> | <b>315K4</b>        | 2450        | 521                                                                                 |
|               | <b>53</b>        | 19700         | 27.92  | 134100               | 2.5       |                                                                                    |            |            |                     |             |                                                                                     |
|               | <b>29</b>        | 36600         | 51.77  | 105400               | 0.85      | <b>K</b>                                                                           | <b>167</b> | <b>DRS</b> | <b>315K4</b>        | 1870        | 519                                                                                 |
|               | <b>35</b>        | 30400         | 42.89  | 107500               | 1.05      |                                                                                    |            |            |                     |             |                                                                                     |
|               | <b>40</b>        | 25900         | 36.61  | 108100               | 1.25      |                                                                                    |            |            |                     |             |                                                                                     |
|               | <b>46</b>        | 22800         | 32.25  | 107900               | 1.40      | <b>K</b>                                                                           | <b>167</b> | <b>DRS</b> | <b>315K4/ERF/NS</b> | 1870        | 519                                                                                 |
|               | <b>52</b>        | 20300         | 28.77  | 107400               | 1.55      |                                                                                    |            |            |                     |             |                                                                                     |
|               | <b>60</b>        | 17300         | 24.52  | 106100               | 1.85      | <b>K</b>                                                                           | <b>167</b> | <b>DRS</b> | <b>315K4</b>        | 1870        | 519                                                                                 |
|               | <b>73</b>        | 14400         | 20.32  | 104000               | 2.2       |                                                                                    |            |            |                     |             |                                                                                     |
|               | <b>85</b>        | 12200         | 17.34  | 101800               | 2.6       |                                                                                    |            |            |                     |             |                                                                                     |
|               | <b>62</b>        | 16900         | 23.95  | 50800                | 1.05      |                                                                                    |            |            |                     |             |                                                                                     |
|               | <b>70</b>        | 15100         | 21.31  | 51800                | 1.20      | <b>K</b>                                                                           | <b>157</b> | <b>DRS</b> | <b>315K4</b>        | 1470        | 514                                                                                 |
|               | <b>81</b>        | 13000         | 18.37  | 52700                | 1.40      |                                                                                    |            |            |                     |             |                                                                                     |
|               | <b>99</b>        | 10500         | 14.92  | 53200                | 1.70      |                                                                                    |            |            |                     |             |                                                                                     |
|               | <b>117</b>       | 8970          | 12.65  | 53000                | 1.90      |                                                                                    |            |            |                     |             |                                                                                     |
|               | <b>62</b>        | 16900         | 23.95  | 50800                | 1.05      |                                                                                    |            |            |                     |             |                                                                                     |
|               | <b>70</b>        | 15100         | 21.31  | 51800                | 1.20      | <b>K</b>                                                                           | <b>157</b> | <b>DRS</b> | <b>315K4</b>        | 1470        | 514                                                                                 |
|               | <b>81</b>        | 13000         | 18.37  | 52700                | 1.40      |                                                                                    |            |            |                     |             |                                                                                     |
|               | <b>99</b>        | 10500         | 14.92  | 53200                | 1.70      |                                                                                    |            |            |                     |             |                                                                                     |
|               | <b>117</b>       | 8970          | 12.65  | 53000                | 1.90      |                                                                                    |            |            |                     |             |                                                                                     |
|               | <b>62</b>        | 16900         | 23.95  | 50800                | 1.05      |                                                                                    |            |            |                     |             |                                                                                     |



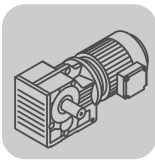
| $P_m$<br>[kW] | $n_a$<br>[1/min] | $M_a$<br>[Nm] | $i$    | $F_{Ra}^{1)}$<br>[N] | SEW $f_B$ |  |     |     |              | $m$<br>[kg] |  |
|---------------|------------------|---------------|--------|----------------------|-----------|------------------------------------------------------------------------------------|-----|-----|--------------|-------------|-------------------------------------------------------------------------------------|
| 132           | 20               | 62900         | 73.96  | 123200               | 0.80      | K                                                                                  | 187 | DRS | 315S4        | 2530        | 521                                                                                 |
|               |                  |               |        |                      |           | KH                                                                                 | 187 | DRS | 315S4        | 2460        | 522                                                                                 |
|               | 23               | 54500         | 64.04  | 127000               | 0.90      | K                                                                                  | 187 | DRS | 315S4        | 2530        | 521                                                                                 |
|               | 28               | 45400         | 53.36  | 129800               | 1.10      | KH                                                                                 | 187 | DRS | 315S4        | 2460        | 522                                                                                 |
|               | 33               | 38700         | 45.50* | 130800               | 1.30      |                                                                                    |     |     |              |             |                                                                                     |
|               | 35               | 36200         | 42.51  | 130900               | 1.40      | K                                                                                  | 187 | DRS | 315S4/ERF/NS | 2530        | 521                                                                                 |
|               | 38               | 32800         | 38.57  | 130700               | 1.50      | KH                                                                                 | 187 | DRS | 315S4/ERF/NS | 2460        | 522                                                                                 |
|               | 45               | 28200         | 33.23  | 129800               | 1.75      |                                                                                    |     |     |              |             |                                                                                     |
|               | 53               | 23700         | 27.92  | 128000               | 2.1       | K                                                                                  | 187 | DRS | 315S4        | 2530        | 521                                                                                 |
|               | 61               | 20500         | 24.18  | 125900               | 2.3       | KH                                                                                 | 187 | DRS | 315S4        | 2460        | 522                                                                                 |
|               | 73               | 17100         | 20.15  | 122800               | 2.6       |                                                                                    |     |     |              |             |                                                                                     |
|               | 86               | 14600         | 17.18  | 119800               | 2.8       |                                                                                    |     |     |              |             |                                                                                     |
|               | 34               | 36500         | 42.89  | 96300                | 0.90      | K                                                                                  | 167 | DRS | 315S4        | 1950        | 519                                                                                 |
|               | 40               | 31100         | 36.61  | 98500                | 1.05      | KH                                                                                 | 167 | DRS | 315S4        | 1910        | 520                                                                                 |
|               | 46               | 27400         | 32.25  | 99500                | 1.15      | K                                                                                  | 167 | DRS | 315S4/ERF/NS | 1950        | 519                                                                                 |
|               | 51               | 24500         | 28.77  | 99900                | 1.30      | KH                                                                                 | 167 | DRS | 315S4/ERF/NS | 1910        | 520                                                                                 |
|               | 60               | 20800         | 24.52  | 99800                | 1.55      | K                                                                                  | 167 | DRS | 315S4        | 1950        | 519                                                                                 |
|               | 73               | 17300         | 20.32  | 98800                | 1.85      | KH                                                                                 | 167 | DRS | 315S4        | 1910        | 520                                                                                 |
|               | 85               | 14700         | 17.34  | 97300                | 2.2       |                                                                                    |     |     |              |             |                                                                                     |
|               | 62               | 20300         | 23.95  | 43300                | 0.90      | K                                                                                  | 157 | DRS | 315S4/ERF/NS | 1550        | 514                                                                                 |
|               | 69               | 18100         | 21.31  | 45200                | 1.00      | KF                                                                                 | 157 | DRS | 315S4/ERF/NS | 1630        | 515                                                                                 |
| 160           |                  |               |        |                      |           | KA                                                                                 | 157 | DRS | 315S4/ERF/NS | 1520        | 516                                                                                 |
|               |                  |               |        |                      |           | KAF                                                                                | 157 | DRS | 315S4/ERF/NS | 1580        | 515                                                                                 |
|               | 81               | 15600         | 18.37  | 47000                | 1.15      | K                                                                                  | 157 | DRS | 315S4        | 1550        | 514                                                                                 |
|               | 99               | 12700         | 14.92  | 48500                | 1.40      | KF                                                                                 | 157 | DRS | 315S4        | 1630        | 515                                                                                 |
|               | 117              | 10700         | 12.65  | 49100                | 1.60      | KA                                                                                 | 157 | DRS | 315S4        | 1520        | 516                                                                                 |
|               |                  |               |        |                      |           | KAF                                                                                | 157 | DRS | 315S4        | 1580        | 515                                                                                 |
|               | 28               | 54900         | 53.36  | 114900               | 0.90      |                                                                                    |     |     |              |             |                                                                                     |
|               | 33               | 46800         | 45.50* | 118100               | 1.05      |                                                                                    |     |     |              |             |                                                                                     |
|               | 45               | 34200         | 33.23  | 120500               | 1.45      | K                                                                                  | 187 | DRS | 315M4        | 2690        | 521                                                                                 |
|               | 53               | 28700         | 27.92  | 120100               | 1.75      | KH                                                                                 | 187 | DRS | 315M4        | 2620        | 522                                                                                 |
|               | 61               | 24900         | 24.18  | 119200               | 1.90      |                                                                                    |     |     |              |             |                                                                                     |
|               | 74               | 20700         | 20.15  | 117200               | 2.1       |                                                                                    |     |     |              |             |                                                                                     |
|               | 86               | 17600         | 17.18  | 114900               | 2.3       |                                                                                    |     |     |              |             |                                                                                     |
|               | 41               | 37700         | 36.61  | 86500                | 0.85      |                                                                                    |     |     |              |             |                                                                                     |
|               | 60               | 25200         | 24.52  | 91700                | 1.25      | K                                                                                  | 167 | DRS | 315M4        | 2110        | 519                                                                                 |
|               | 73               | 20900         | 20.32  | 92000                | 1.55      | KH                                                                                 | 167 | DRS | 315M4        | 2070        | 520                                                                                 |
|               | 86               | 17800         | 17.34  | 91600                | 1.80      |                                                                                    |     |     |              |             |                                                                                     |
|               | 81               | 18900         | 18.37  | 39800                | 0.95      | K                                                                                  | 157 | DRS | 315M4        | 1710        | 514                                                                                 |
|               | 99               | 15300         | 14.92  | 42600                | 1.15      | KF                                                                                 | 157 | DRS | 315M4        | 1790        | 515                                                                                 |
|               | 117              | 13000         | 12.65  | 44100                | 1.30      | KA                                                                                 | 157 | DRS | 315M4        | 1680        | 516                                                                                 |
| 200           |                  |               |        |                      |           | KAF                                                                                | 157 | DRS | 315M4        | 1730        | 515                                                                                 |
|               | 33               | 58600         | 45.50* | 99900                | 0.85      | K                                                                                  | 187 | DRS | 315L4        | 2770        | 521                                                                                 |
|               |                  |               |        |                      |           | KH                                                                                 | 187 | DRS | 315L4        | 2700        | 522                                                                                 |
|               | 45               | 42800         | 33.23  | 107300               | 1.15      | K                                                                                  | 187 | DRS | 315L4/ERF/NS | 2770        | 521                                                                                 |
|               |                  |               |        |                      |           | KH                                                                                 | 187 | DRS | 315L4/ERF/NS | 2700        | 522                                                                                 |
|               | 53               | 36000         | 27.92  | 109000               | 1.40      |                                                                                    |     |     |              |             |                                                                                     |
|               | 61               | 31100         | 24.18  | 109500               | 1.55      | K                                                                                  | 187 | DRS | 315L4        | 2770        | 521                                                                                 |
|               | 74               | 25900         | 20.15  | 109200               | 1.70      | KH                                                                                 | 187 | DRS | 315L4        | 2700        | 522                                                                                 |
|               | 86               | 22100         | 17.18  | 108100               | 1.85      |                                                                                    |     |     |              |             |                                                                                     |
|               | 60               | 31600         | 24.52  | 80100                | 1.00      | K                                                                                  | 167 | DRS | 315L4/ERF/NS | 2190        | 519                                                                                 |
|               |                  |               |        |                      |           | KH                                                                                 | 167 | DRS | 315L4/ERF/NS | 2150        | 520                                                                                 |
|               | 73               | 26200         | 20.32  | 82400                | 1.20      | K                                                                                  | 167 | DRS | 315L4        | 2190        | 519                                                                                 |
|               | 85               | 22300         | 17.34  | 83400                | 1.45      | KH                                                                                 | 167 | DRS | 315L4        | 2150        | 520                                                                                 |
|               |                  |               |        |                      |           | K                                                                                  | 157 | DRS | 315L4        | 1790        | 514                                                                                 |
|               | 99               | 19200         | 14.92  | 34200                | 0.95      | KF                                                                                 | 157 | DRS | 315L4        | 1870        | 515                                                                                 |
|               | 117              | 16300         | 12.65  | 36900                | 1.05      | KA                                                                                 | 157 | DRS | 315L4        | 1760        | 516                                                                                 |
|               |                  |               |        |                      |           | KAF                                                                                | 157 | DRS | 315L4        | 1810        | 515                                                                                 |

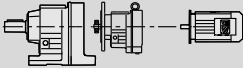

**11.4 K..R..DRS [Nm]**

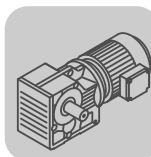
| $M_{a \max}$<br>[Nm] | $n_a$<br>[1/min] | i     | $F_{Ra}^{1)}$<br>[N] |                      |       |     |      | m<br>[kg] |     |
|----------------------|------------------|-------|----------------------|----------------------|-------|-----|------|-----------|-----|
| <b>200</b>           | <b>0.20</b>      | 6832  | 5640                 | K<br>KF<br>KA<br>KAF | 37R17 | DR  | 63S4 | 19        | 523 |
|                      | <b>0.23</b>      | 5922  | 5640                 |                      |       |     |      | 22        | 523 |
|                      | <b>0.25</b>      | 5491  | 5640                 |                      |       |     |      | 19        | 523 |
|                      | <b>0.29</b>      | 4759  | 5640                 |                      |       |     |      | 21        | 523 |
|                      | <b>0.33</b>      | 4160  | 5640                 |                      |       |     |      |           |     |
|                      | <b>0.38</b>      | 3645  | 5640                 |                      |       |     |      |           |     |
|                      | <b>0.43</b>      | 3205  | 5640                 |                      |       |     |      |           |     |
|                      | <b>0.49</b>      | 2801  | 5640                 |                      |       |     |      |           |     |
|                      | <b>0.56</b>      | 2454  | 5640                 |                      |       |     |      |           |     |
|                      | <b>0.64</b>      | 2166  | 5640                 |                      |       |     |      |           |     |
|                      | <b>0.73</b>      | 1891  | 5640                 |                      |       |     |      |           |     |
|                      | <b>0.83</b>      | 1660  | 5640                 |                      |       |     |      |           |     |
|                      | <b>0.94</b>      | 1466  | 5640                 |                      |       |     |      |           |     |
|                      | <b>1.1</b>       | 1288  | 5640                 |                      |       |     |      |           |     |
|                      | <b>1.2</b>       | 1136  | 5640                 |                      |       |     |      |           |     |
|                      | <b>1.4</b>       | 996   | 5640                 | K<br>KF<br>KA<br>KAF | 37R17 | DR  | 63S4 | 19        | 523 |
|                      | <b>1.6</b>       | 876   | 5640                 |                      |       |     |      | 21        | 523 |
|                      | <b>1.8</b>       | 761   | 5640                 |                      |       |     |      | 19        | 523 |
|                      | <b>2.1</b>       | 671   | 5640                 |                      |       |     |      | 20        | 523 |
|                      | <b>2.4</b>       | 585   | 5640                 |                      |       |     |      |           |     |
|                      | <b>2.7</b>       | 512   | 5640                 |                      |       |     |      |           |     |
|                      | <b>3.1</b>       | 451   | 5640                 |                      |       |     |      |           |     |
|                      | <b>3.5</b>       | 396   | 5640                 |                      |       |     |      |           |     |
|                      | <b>4.0</b>       | 346   | 5640                 |                      |       |     |      |           |     |
|                      | <b>4.5</b>       | 304   | 5640                 |                      |       |     |      |           |     |
|                      | <b>4.9</b>       | 267   | 5640                 | K<br>KF<br>KA<br>KAF | 37R17 | DR  | 63M4 | 19        | 523 |
|                      | <b>5.6</b>       | 234   | 5640                 |                      |       |     |      | 21        | 523 |
|                      | <b>6.4</b>       | 205   | 5640                 |                      |       |     |      | 19        | 523 |
|                      | <b>7.3</b>       | 181   | 5640                 |                      |       |     |      | 20        | 523 |
|                      | <b>8.1</b>       | 160   | 5640                 | K<br>KF<br>KA<br>KAF | 37R17 | DR  | 63L4 | 20        | 523 |
|                      | <b>9.5</b>       | 136   | 5640                 |                      |       |     |      | 22        | 523 |
|                      | <b>10</b>        | 127   | 5640                 |                      |       |     |      | 19        | 523 |
|                      |                  |       |                      |                      |       |     |      | 21        | 523 |
|                      | <b>12</b>        | 110   | 5640                 | K<br>KF<br>KA<br>KAF | 37R17 | DRS | 71S4 | 21        | 523 |
|                      |                  |       |                      |                      |       |     |      | 24        | 523 |
|                      | <b>14</b>        | 96    | 5640                 |                      |       |     |      | 21        | 523 |
|                      |                  |       |                      |                      |       |     |      | 23        | 523 |
| <b>400</b>           | <b>0.14</b>      | 10138 | 5920                 | K<br>KF<br>KA<br>KAF | 47R37 | DR  | 63S4 | 34        | 523 |
|                      | <b>0.16</b>      | 8534  | 5920                 |                      |       |     |      | 37        | 523 |
|                      | <b>0.18</b>      | 7662  | 5920                 |                      |       |     |      | 33        | 523 |
|                      | <b>0.20</b>      | 6826  | 5920                 |                      |       |     |      | 36        | 523 |
|                      | <b>0.23</b>      | 5983  | 5920                 |                      |       |     |      |           |     |
|                      | <b>0.27</b>      | 5159  | 5920                 |                      |       |     |      |           |     |
|                      | <b>0.30</b>      | 4601  | 5920                 |                      |       |     |      |           |     |
|                      | <b>0.35</b>      | 3940  | 5920                 |                      |       |     |      |           |     |
|                      | <b>0.40</b>      | 3477  | 5920                 |                      |       |     |      |           |     |
|                      | <b>0.45</b>      | 3043  | 5920                 |                      |       |     |      |           |     |
|                      | <b>0.51</b>      | 2733  | 5920                 |                      |       |     |      |           |     |
|                      | <b>0.59</b>      | 2354  | 5920                 |                      |       |     |      |           |     |
|                      | <b>0.67</b>      | 2063  | 5920                 |                      |       |     |      |           |     |
|                      | <b>0.76</b>      | 1819  | 5920                 |                      |       |     |      |           |     |
|                      | <b>0.87</b>      | 1586  | 5920                 |                      |       |     |      |           |     |
|                      | <b>0.99</b>      | 1388  | 5920                 |                      |       |     |      |           |     |
|                      | <b>1.1</b>       | 1222  | 5920                 | K<br>KF<br>KA<br>KAF | 47R37 | DR  | 63S4 | 33        | 523 |
|                      | <b>1.3</b>       | 1097  | 5920                 |                      |       |     |      | 36        | 523 |
|                      | <b>1.5</b>       | 945   | 5920                 |                      |       |     |      | 32        | 523 |
|                      | <b>1.7</b>       | 831   | 5920                 |                      |       |     |      | 35        | 523 |
|                      | <b>1.9</b>       | 718   | 5920                 |                      |       |     |      |           |     |
|                      | <b>2.2</b>       | 639   | 5920                 |                      |       |     |      |           |     |
|                      | <b>2.4</b>       | 552   | 5920                 | K<br>KF<br>KA<br>KAF | 47R37 | DR  | 63M4 | 33        | 523 |
|                      | <b>2.7</b>       | 495   | 5920                 |                      |       |     |      | 36        | 523 |
|                      | <b>3.1</b>       | 426   | 5920                 |                      |       |     |      | 32        | 523 |
|                      | <b>3.5</b>       | 375   | 5920                 |                      |       |     |      | 35        | 523 |
|                      | <b>4.0</b>       | 327   | 5920                 | K<br>KF<br>KA<br>KAF | 47R37 | DR  | 63L4 | 34        | 523 |
|                      | <b>4.5</b>       | 289   | 5920                 |                      |       |     |      | 37        | 523 |
|                      | <b>5.1</b>       | 256   | 5920                 |                      |       |     |      | 33        | 523 |
|                      |                  |       |                      |                      |       |     |      | 36        | 523 |

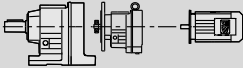


| $M_{a \max}$<br>[Nm] | $n_a$<br>[1/min] | $i$               | $F_{Ra}^{1)}$<br>[N] |                      |       |     |      | $m$<br>[kg] |     |
|----------------------|------------------|-------------------|----------------------|----------------------|-------|-----|------|-------------|-----|
| 400                  | 6.2<br>7.0       | 225<br>198        | 5920<br>5920         | K                    | 47R37 | DRS | 71S4 | 36          | 523 |
|                      |                  |                   |                      | KF                   | 47R37 | DRS | 71S4 | 39          | 523 |
|                      |                  |                   |                      | KA                   | 47R37 | DRS | 71S4 | 35          | 523 |
|                      |                  |                   |                      | KAF                  | 47R37 | DRS | 71S4 | 38          | 523 |
|                      | 8.1<br>9.0<br>11 | 171<br>153<br>131 | 5920<br>5920<br>5920 | K                    | 47R37 | DRS | 71M4 | 37          | 523 |
|                      |                  |                   |                      | KF                   | 47R37 | DRS | 71M4 | 40          | 523 |
|                      |                  |                   |                      | KA                   | 47R37 | DRS | 71M4 | 36          | 523 |
|                      |                  |                   |                      | KAF                  | 47R37 | DRS | 71M4 | 39          | 523 |
| 600                  | 0.11             | 12169             | 7630                 | K<br>KF<br>KA<br>KAF | 57R37 | DR  | 63S4 | 39          | 523 |
|                      | 0.12             | 11162             | 7630                 |                      |       |     |      | 44          | 523 |
|                      | 0.15             | 9503              | 7630                 |                      |       |     |      | 37          | 523 |
|                      | 0.16             | 8547              | 7630                 |                      |       |     |      | 43          | 523 |
|                      | 0.19             | 7277              | 7630                 |                      |       |     |      |             |     |
|                      | 0.21             | 6478              | 7630                 |                      |       |     |      |             |     |
|                      | 0.24             | 5662              | 7630                 |                      |       |     |      |             |     |
|                      | 0.27             | 5033              | 7630                 |                      |       |     |      |             |     |
|                      | 0.32             | 4340              | 7630                 |                      |       |     |      |             |     |
|                      | 0.36             | 3854              | 7630                 |                      |       |     |      |             |     |
|                      | 0.41             | 3390              | 7630                 | K<br>KF<br>KA<br>KAF | 57R37 | DR  | 63S4 | 39          | 523 |
|                      | 0.47             | 2924              | 7630                 |                      |       |     |      | 44          | 523 |
|                      | 0.53             | 2593              | 7630                 |                      |       |     |      | 37          | 523 |
|                      | 0.61             | 2249              | 7630                 |                      |       |     |      | 43          | 523 |
|                      | 0.70             | 1986              | 7630                 |                      |       |     |      |             |     |
|                      | 0.79             | 1743              | 7630                 |                      |       |     |      |             |     |
|                      | 0.90             | 1539              | 7630                 |                      |       |     |      |             |     |
|                      | 1.0              | 1354              | 7630                 |                      |       |     |      |             |     |
|                      | 1.2              | 1174              | 7630                 |                      |       |     |      |             |     |
|                      | 1.3              | 1036              | 7630                 |                      |       |     |      |             |     |
|                      | 1.5              | 906               | 7630                 |                      |       |     |      |             |     |
|                      | 1.6              | 806               | 7630                 | K<br>KF<br>KA<br>KAF | 57R37 | DR  | 63M4 | 39          | 523 |
|                      | 1.9              | 699               | 7630                 |                      |       |     |      | 44          | 523 |
|                      | 2.2              | 615               | 7630                 |                      |       |     |      | 37          | 523 |
|                      |                  |                   |                      |                      |       |     |      | 43          | 523 |
|                      | 2.4              | 544               | 7630                 |                      |       |     |      |             |     |
|                      | 2.8              | 473               | 7630                 |                      |       |     |      |             |     |
|                      | 3.1              | 421               | 7630                 |                      |       |     |      |             |     |
|                      | 3.8              | 362               | 7630                 |                      |       |     |      |             |     |
|                      | 4.3              | 319               | 7630                 |                      |       |     |      |             |     |
|                      | 4.9              | 280               | 7630                 |                      |       |     |      |             |     |
|                      | 5.6              | 246               | 7630                 | K<br>KF<br>KA<br>KAF | 57R37 | DRS | 71M4 | 43          | 523 |
|                      | 6.4              | 215               | 7630                 |                      |       |     |      | 48          | 523 |
|                      | 7.2              | 192               | 7630                 |                      |       |     |      | 41          | 523 |
|                      |                  |                   |                      |                      |       |     |      | 47          | 523 |
|                      | 8.4              | 166               | 7630                 |                      |       |     |      |             |     |
|                      | 9.7              | 145               | 7630                 |                      |       |     |      |             |     |
|                      | 11               | 129               | 7630                 |                      |       |     |      |             |     |
|                      | 13               | 111               | 7630                 |                      |       |     |      |             |     |
|                      | 14               | 97                | 7630                 |                      |       |     |      |             |     |
| 820                  | 0.11             | 12139             | 10300                | K<br>KF<br>KA<br>KAF | 67R37 | DR  | 63S4 | 45          | 523 |
|                      | 0.12             | 11134             | 10300                |                      |       |     |      | 51          | 523 |
|                      | 0.15             | 9479              | 10300                |                      |       |     |      | 43          | 523 |
|                      | 0.17             | 8173              | 10300                |                      |       |     |      | 48          | 523 |
|                      | 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                | K<br>KF<br>KA<br>KAF | 67R37 | DRS | 80M4 | 48          | 523 |
|                      | 0.47             | 2917              | 10300                |                      |       |     |      | 53          | 523 |
|                      | 0.55             | 2532              | 10300                |                      |       |     |      | 46          | 523 |
|                      | 0.62             | 2244              | 10300                |                      |       |     |      | 51          | 523 |
|                      | 0.70             | 1981              | 10300                |                      |       |     |      |             |     |

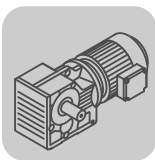


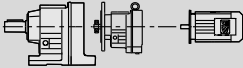
| $M_{a \max}$<br>[Nm] | $n_a$<br>[1/min] | $i$   | $F_{Ra}^{1)}$<br>[N] |  |              |            |             | $m$<br>[kg] |  |
|----------------------|------------------|-------|----------------------|------------------------------------------------------------------------------------|--------------|------------|-------------|-------------|-------------------------------------------------------------------------------------|
| <b>820</b>           | <b>0.79</b>      | 1739  | 10300                | <b>K</b>                                                                           | <b>67R37</b> | <b>DR</b>  | <b>63S4</b> | 45          | 523                                                                                 |
|                      | <b>0.90</b>      | 1535  | 10300                | <b>KF</b>                                                                          | <b>67R37</b> | <b>DR</b>  | <b>63S4</b> | 51          | 523                                                                                 |
|                      | <b>1.0</b>       | 1351  | 10300                | <b>KA</b>                                                                          | <b>67R37</b> | <b>DR</b>  | <b>63S4</b> | 42          | 523                                                                                 |
|                      | <b>1.2</b>       | 1171  | 10300                | <b>KAF</b>                                                                         | <b>67R37</b> | <b>DR</b>  | <b>63S4</b> | 48          | 523                                                                                 |
|                      | <b>1.3</b>       | 1034  | 10300                | <b>K</b>                                                                           | <b>67R37</b> | <b>DR</b>  | <b>63M4</b> | 45          | 523                                                                                 |
|                      | <b>1.5</b>       | 903   | 10300                | <b>KF</b>                                                                          | <b>67R37</b> | <b>DR</b>  | <b>63M4</b> | 51          | 523                                                                                 |
|                      | <b>1.7</b>       | 793   | 10300                | <b>KA</b>                                                                          | <b>67R37</b> | <b>DR</b>  | <b>63M4</b> | 42          | 523                                                                                 |
|                      |                  |       |                      | <b>KAF</b>                                                                         | <b>67R37</b> | <b>DR</b>  | <b>63M4</b> | 48          | 523                                                                                 |
|                      | <b>1.9</b>       | 697   | 10300                | <b>K</b>                                                                           | <b>67R37</b> | <b>DR</b>  | <b>63L4</b> | 46          | 523                                                                                 |
|                      | <b>2.1</b>       | 613   | 10300                | <b>KF</b>                                                                          | <b>67R37</b> | <b>DR</b>  | <b>63L4</b> | 51          | 523                                                                                 |
|                      | <b>2.4</b>       | 542   | 10300                | <b>KA</b>                                                                          | <b>67R37</b> | <b>DR</b>  | <b>63L4</b> | 43          | 523                                                                                 |
|                      |                  |       |                      | <b>KAF</b>                                                                         | <b>67R37</b> | <b>DR</b>  | <b>63L4</b> | 49          | 523                                                                                 |
|                      | <b>2.9</b>       | 471   | 10300                | <b>K</b>                                                                           | <b>67R37</b> | <b>DRS</b> | <b>71S4</b> | 48          | 523                                                                                 |
|                      | <b>3.3</b>       | 420   | 10300                | <b>KF</b>                                                                          | <b>67R37</b> | <b>DRS</b> | <b>71S4</b> | 53          | 523                                                                                 |
|                      | <b>3.8</b>       | 361   | 10300                | <b>KA</b>                                                                          | <b>67R37</b> | <b>DRS</b> | <b>71S4</b> | 45          | 523                                                                                 |
|                      |                  |       |                      | <b>KAF</b>                                                                         | <b>67R37</b> | <b>DRS</b> | <b>71S4</b> | 51          | 523                                                                                 |
|                      | <b>4.3</b>       | 323   | 10300                | <b>K</b>                                                                           | <b>67R37</b> | <b>DRS</b> | <b>71M4</b> | 49          | 523                                                                                 |
|                      | <b>5.0</b>       | 279   | 10300                | <b>KF</b>                                                                          | <b>67R37</b> | <b>DRS</b> | <b>71M4</b> | 54          | 523                                                                                 |
|                      | <b>5.6</b>       | 246   | 10300                | <b>KA</b>                                                                          | <b>67R37</b> | <b>DRS</b> | <b>71M4</b> | 46          | 523                                                                                 |
|                      |                  |       |                      | <b>KAF</b>                                                                         | <b>67R37</b> | <b>DRS</b> | <b>71M4</b> | 52          | 523                                                                                 |
|                      | <b>6.4</b>       | 217   | 10300                | <b>K</b>                                                                           | <b>67R37</b> | <b>DRS</b> | <b>80S4</b> | 51          | 523                                                                                 |
|                      | <b>7.3</b>       | 191   | 10300                | <b>KF</b>                                                                          | <b>67R37</b> | <b>DRS</b> | <b>80S4</b> | 57          | 523                                                                                 |
|                      |                  |       |                      | <b>KA</b>                                                                          | <b>67R37</b> | <b>DRS</b> | <b>80S4</b> | 48          | 523                                                                                 |
|                      |                  |       |                      | <b>KAF</b>                                                                         | <b>67R37</b> | <b>DRS</b> | <b>80S4</b> | 54          | 523                                                                                 |
| <b>1550</b>          | <b>0.09</b>      | 15310 | 15400                |                                                                                    |              |            |             |             |                                                                                     |
|                      | <b>0.10</b>      | 14043 | 15400                |                                                                                    |              |            |             |             |                                                                                     |
|                      | <b>0.12</b>      | 11955 | 15400                |                                                                                    |              |            |             |             |                                                                                     |
|                      | <b>0.14</b>      | 10217 | 15400                |                                                                                    |              |            |             |             |                                                                                     |
|                      | <b>0.16</b>      | 8809  | 15400                |                                                                                    |              |            |             |             |                                                                                     |
|                      | <b>0.18</b>      | 7528  | 15400                | <b>K</b>                                                                           | <b>77R37</b> | <b>DR</b>  | <b>63S4</b> | 69          | 523                                                                                 |
|                      | <b>0.21</b>      | 6606  | 15400                | <b>KF</b>                                                                          | <b>77R37</b> | <b>DR</b>  | <b>63S4</b> | 78          | 523                                                                                 |
|                      | <b>0.24</b>      | 5774  | 15400                | <b>KA</b>                                                                          | <b>77R37</b> | <b>DR</b>  | <b>63S4</b> | 62          | 523                                                                                 |
|                      | <b>0.27</b>      | 5089  | 15400                | <b>KAF</b>                                                                         | <b>77R37</b> | <b>DR</b>  | <b>63S4</b> | 70          | 523                                                                                 |
|                      | <b>0.31</b>      | 4489  | 15400                |                                                                                    |              |            |             |             |                                                                                     |
|                      | <b>0.35</b>      | 3961  | 15400                |                                                                                    |              |            |             |             |                                                                                     |
|                      | <b>0.40</b>      | 3485  | 15400                |                                                                                    |              |            |             |             |                                                                                     |
|                      | <b>0.48</b>      | 2901  | 15400                |                                                                                    |              |            |             |             |                                                                                     |
|                      | <b>0.51</b>      | 2717  | 15400                |                                                                                    |              |            |             |             |                                                                                     |
|                      | <b>0.56</b>      | 2370  | 15400                | <b>K</b>                                                                           | <b>77R37</b> | <b>DR</b>  | <b>63M4</b> | 69          | 523                                                                                 |
|                      |                  |       |                      | <b>KF</b>                                                                          | <b>77R37</b> | <b>DR</b>  | <b>63M4</b> | 78          | 523                                                                                 |
|                      |                  |       |                      | <b>KA</b>                                                                          | <b>77R37</b> | <b>DR</b>  | <b>63M4</b> | 62          | 523                                                                                 |
|                      |                  |       |                      | <b>KAF</b>                                                                         | <b>77R37</b> | <b>DR</b>  | <b>63M4</b> | 70          | 523                                                                                 |
|                      | <b>0.64</b>      | 2050  | 15400                | <b>K</b>                                                                           | <b>77R37</b> | <b>DR</b>  | <b>63M4</b> | 69          | 523                                                                                 |
|                      | <b>0.75</b>      | 1772  | 15400                | <b>KF</b>                                                                          | <b>77R37</b> | <b>DR</b>  | <b>63M4</b> | 77          | 523                                                                                 |
|                      | <b>0.87</b>      | 1514  | 15400                | <b>KA</b>                                                                          | <b>77R37</b> | <b>DR</b>  | <b>63M4</b> | 62          | 523                                                                                 |
|                      | <b>0.95</b>      | 1388  | 15400                | <b>KAF</b>                                                                         | <b>77R37</b> | <b>DR</b>  | <b>63M4</b> | 70          | 523                                                                                 |
|                      | <b>1.1</b>       | 1218  | 15400                | <b>K</b>                                                                           | <b>77R37</b> | <b>DR</b>  | <b>63L4</b> | 70          | 523                                                                                 |
|                      | <b>1.2</b>       | 1053  | 15400                | <b>KF</b>                                                                          | <b>77R37</b> | <b>DR</b>  | <b>63L4</b> | 78          | 523                                                                                 |
|                      |                  |       |                      | <b>KA</b>                                                                          | <b>77R37</b> | <b>DR</b>  | <b>63L4</b> | 62          | 523                                                                                 |
|                      |                  |       |                      | <b>KAF</b>                                                                         | <b>77R37</b> | <b>DR</b>  | <b>63L4</b> | 70          | 523                                                                                 |
|                      | <b>1.5</b>       | 924   | 15400                | <b>K</b>                                                                           | <b>77R37</b> | <b>DRS</b> | <b>71S4</b> | 72          | 523                                                                                 |
|                      | <b>1.7</b>       | 815   | 15400                | <b>KF</b>                                                                          | <b>77R37</b> | <b>DRS</b> | <b>71S4</b> | 80          | 523                                                                                 |
|                      | <b>2.0</b>       | 709   | 15400                | <b>KA</b>                                                                          | <b>77R37</b> | <b>DRS</b> | <b>71S4</b> | 64          | 523                                                                                 |
|                      |                  |       |                      | <b>KAF</b>                                                                         | <b>77R37</b> | <b>DRS</b> | <b>71S4</b> | 72          | 523                                                                                 |
|                      | <b>2.2</b>       | 622   | 15400                | <b>K</b>                                                                           | <b>77R37</b> | <b>DRS</b> | <b>71M4</b> | 73          | 523                                                                                 |
|                      | <b>2.5</b>       | 552   | 15400                | <b>KF</b>                                                                          | <b>77R37</b> | <b>DRS</b> | <b>71M4</b> | 81          | 523                                                                                 |
|                      | <b>2.8</b>       | 485   | 15400                | <b>KA</b>                                                                          | <b>77R37</b> | <b>DRS</b> | <b>71M4</b> | 65          | 523                                                                                 |
|                      |                  |       |                      | <b>KAF</b>                                                                         | <b>77R37</b> | <b>DRS</b> | <b>71M4</b> | 73          | 523                                                                                 |
|                      | <b>3.3</b>       | 428   | 15400                | <b>K</b>                                                                           | <b>77R37</b> | <b>DRS</b> | <b>80S4</b> | 75          | 523                                                                                 |
|                      | <b>3.8</b>       | 367   | 15400                | <b>KF</b>                                                                          | <b>77R37</b> | <b>DRS</b> | <b>80S4</b> | 83          | 523                                                                                 |
|                      |                  |       |                      | <b>KA</b>                                                                          | <b>77R37</b> | <b>DRS</b> | <b>80S4</b> | 68          | 523                                                                                 |
|                      |                  |       |                      | <b>KAF</b>                                                                         | <b>77R37</b> | <b>DRS</b> | <b>80S4</b> | 76          | 523                                                                                 |
|                      | <b>4.3</b>       | 328   | 15400                | <b>K</b>                                                                           | <b>77R37</b> | <b>DRS</b> | <b>80M4</b> | 78          | 523                                                                                 |
|                      | <b>4.9</b>       | 290   | 15400                | <b>KF</b>                                                                          | <b>77R37</b> | <b>DRS</b> | <b>80M4</b> | 86          | 523                                                                                 |
|                      | <b>5.6</b>       | 252   | 15400                | <b>KA</b>                                                                          | <b>77R37</b> | <b>DRS</b> | <b>80M4</b> | 70          | 523                                                                                 |
|                      |                  |       |                      | <b>KAF</b>                                                                         | <b>77R37</b> | <b>DRS</b> | <b>80M4</b> | 78          | 523                                                                                 |

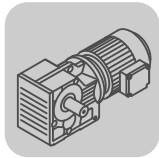


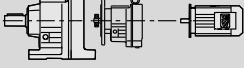
| $M_{a \max}$<br>[Nm] | $n_a$<br>[1/min] | $i$   | $F_{Ra}^{1)}$<br>[N] |  |       |     |      | $m$<br>[kg] |  |
|----------------------|------------------|-------|----------------------|------------------------------------------------------------------------------------|-------|-----|------|-------------|-------------------------------------------------------------------------------------|
| 2700                 | 0.09             | 14829 | 27300                | K<br>KF<br>KA<br>KAF                                                               | 87R57 | DR  | 63S4 | 120         | 523                                                                                 |
|                      | 0.10             | 13168 | 27300                |                                                                                    |       |     |      | 130         | 523                                                                                 |
|                      | 0.12             | 11737 | 27300                |                                                                                    |       |     |      | 105         | 523                                                                                 |
|                      | 0.14             | 10217 | 27300                |                                                                                    |       |     |      | 120         | 523                                                                                 |
|                      | 0.15             | 9073  | 27300                |                                                                                    |       |     |      |             |                                                                                     |
|                      | 0.18             | 7854  | 27300                |                                                                                    |       |     |      |             |                                                                                     |
|                      | 0.20             | 6832  | 27300                |                                                                                    |       |     |      |             |                                                                                     |
|                      | 0.23             | 5930  | 27300                |                                                                                    |       |     |      |             |                                                                                     |
|                      | 0.26             | 5240  | 27300                |                                                                                    |       |     |      |             |                                                                                     |
|                      | 0.30             | 4562  | 27300                |                                                                                    |       |     |      |             |                                                                                     |
|                      | 0.33             | 4037  | 27300                | K                                                                                  | 87R57 | DR  | 63M4 | 120         | 523                                                                                 |
|                      | 0.37             | 3609  | 27300                | KF                                                                                 | 87R57 | DR  | 63M4 | 130         | 523                                                                                 |
|                      | 0.42             | 3107  | 27300                | KA                                                                                 | 87R57 | DR  | 63M4 | 105         | 523                                                                                 |
|                      | 0.48             | 2728  | 27300                | KAF                                                                                | 87R57 | DR  | 63M4 | 120         | 523                                                                                 |
|                      | 0.55             | 2371  | 27300                | K                                                                                  | 87R57 | DR  | 63L4 | 120         | 523                                                                                 |
|                      |                  |       |                      | KF                                                                                 | 87R57 | DR  | 63L4 | 130         | 523                                                                                 |
|                      |                  |       |                      | KA                                                                                 | 87R57 | DR  | 63L4 | 105         | 523                                                                                 |
|                      |                  |       |                      | KAF                                                                                | 87R57 | DR  | 63L4 | 120         | 523                                                                                 |
|                      | 0.62             | 2088  | 27300                | K                                                                                  | 87R57 | DR  | 63L4 | 120         | 523                                                                                 |
|                      |                  |       |                      | KF                                                                                 | 87R57 | DR  | 63L4 | 125         | 523                                                                                 |
|                      |                  |       |                      | KA                                                                                 | 87R57 | DR  | 63L4 | 105         | 523                                                                                 |
|                      |                  |       |                      | KAF                                                                                | 87R57 | DR  | 63L4 | 120         | 523                                                                                 |
|                      | 0.70             | 1854  | 27300                | K                                                                                  | 87R57 | DRS | 71S4 | 120         | 523                                                                                 |
|                      |                  |       |                      | KF                                                                                 | 87R57 | DRS | 71S4 | 130         | 523                                                                                 |
|                      |                  |       |                      | KA                                                                                 | 87R57 | DRS | 71S4 | 110         | 523                                                                                 |
|                      |                  |       |                      | KAF                                                                                | 87R57 | DRS | 71S4 | 120         | 523                                                                                 |
|                      | 0.83             | 1657  | 27300                | K                                                                                  | 87R57 | DRS | 71M4 | 120         | 523                                                                                 |
|                      |                  |       |                      | KF                                                                                 | 87R57 | DRS | 71M4 | 130         | 523                                                                                 |
|                      |                  |       |                      | KA                                                                                 | 87R57 | DRS | 71M4 | 110         | 523                                                                                 |
|                      |                  |       |                      | KAF                                                                                | 87R57 | DRS | 71M4 | 120         | 523                                                                                 |
|                      | 0.97             | 1415  | 27300                | K                                                                                  | 87R57 | DRS | 71M4 | 120         | 523                                                                                 |
|                      |                  |       |                      | KF                                                                                 | 87R57 | DRS | 71M4 | 130         | 523                                                                                 |
|                      |                  |       |                      | KA                                                                                 | 87R57 | DRS | 71M4 | 110         | 523                                                                                 |
|                      |                  |       |                      | KAF                                                                                | 87R57 | DRS | 71M4 | 120         | 523                                                                                 |
|                      | 1.1              | 1229  | 27300                | K                                                                                  | 87R57 | DRS | 71M4 | 120         | 523                                                                                 |
|                      |                  |       |                      | KF                                                                                 | 87R57 | DRS | 71M4 | 130         | 523                                                                                 |
|                      |                  |       |                      | KA                                                                                 | 87R57 | DRS | 71M4 | 110         | 523                                                                                 |
|                      |                  |       |                      | KAF                                                                                | 87R57 | DRS | 71M4 | 120         | 523                                                                                 |
|                      | 1.3              | 1078  | 27300                | K                                                                                  | 87R57 | DRS | 80S4 | 125         | 523                                                                                 |
|                      |                  |       |                      | KF                                                                                 | 87R57 | DRS | 80S4 | 135         | 523                                                                                 |
|                      |                  |       |                      | KA                                                                                 | 87R57 | DRS | 80S4 | 110         | 523                                                                                 |
|                      |                  |       |                      | KAF                                                                                | 87R57 | DRS | 80S4 | 125         | 523                                                                                 |
|                      | 1.9              | 726   | 27300                | K                                                                                  | 87R57 | DRS | 80M4 | 125         | 523                                                                                 |
|                      |                  |       |                      | KF                                                                                 | 87R57 | DRS | 80M4 | 135         | 523                                                                                 |
|                      |                  |       |                      | KA                                                                                 | 87R57 | DRS | 80M4 | 115         | 523                                                                                 |
|                      |                  |       |                      | KAF                                                                                | 87R57 | DRS | 80M4 | 125         | 523                                                                                 |
|                      | 2.2              | 638   | 27300                | K                                                                                  | 87R57 | DRS | 80M4 | 125         | 523                                                                                 |
|                      |                  |       |                      | KF                                                                                 | 87R57 | DRS | 80M4 | 135         | 523                                                                                 |
|                      |                  |       |                      | KA                                                                                 | 87R57 | DRS | 80M4 | 115         | 523                                                                                 |
|                      |                  |       |                      | KAF                                                                                | 87R57 | DRS | 80M4 | 125         | 523                                                                                 |
|                      | 2.5              | 562   | 27300                | K                                                                                  | 87R57 | DRS | 90M4 | 130         | 523                                                                                 |
|                      |                  |       |                      | KF                                                                                 | 87R57 | DRS | 90M4 | 140         | 523                                                                                 |
|                      |                  |       |                      | KA                                                                                 | 87R57 | DRS | 90M4 | 120         | 523                                                                                 |
|                      |                  |       |                      | KAF                                                                                | 87R57 | DRS | 90M4 | 130         | 523                                                                                 |
|                      | 3.0              | 474   | 27300                | K                                                                                  | 87R57 | DRS | 90L4 | 135         | 523                                                                                 |
|                      |                  |       |                      | KF                                                                                 | 87R57 | DRS | 90L4 | 145         | 523                                                                                 |
|                      |                  |       |                      | KA                                                                                 | 87R57 | DRS | 90L4 | 120         | 523                                                                                 |
|                      |                  |       |                      | KAF                                                                                | 87R57 | DRS | 90L4 | 135         | 523                                                                                 |
|                      | 3.3              | 426   | 27300                | K                                                                                  | 87R57 | DRS | 90L4 | 135         | 523                                                                                 |
|                      |                  |       |                      | KF                                                                                 | 87R57 | DRS | 90L4 | 145         | 523                                                                                 |
|                      |                  |       |                      | KA                                                                                 | 87R57 | DRS | 90L4 | 120         | 523                                                                                 |
|                      |                  |       |                      | KAF                                                                                | 87R57 | DRS | 90L4 | 135         | 523                                                                                 |
| 4300                 | 0.08             | 18091 | 40000                | K<br>KF<br>KA<br>KAF                                                               | 97R57 | DR  | 63S4 | 180         | 523                                                                                 |
|                      | 0.08             | 16666 | 40000                |                                                                                    |       |     |      | 200         | 523                                                                                 |
|                      | 0.09             | 14897 | 40000                |                                                                                    |       |     |      | 160         | 523                                                                                 |
|                      | 0.10             | 13182 | 40000                |                                                                                    |       |     |      | 185         | 523                                                                                 |
|                      | 0.12             | 11677 | 40000                |                                                                                    |       |     |      |             |                                                                                     |
|                      | 0.13             | 10317 | 40000                |                                                                                    |       |     |      |             |                                                                                     |
|                      | 0.15             | 9083  | 40000                |                                                                                    |       |     |      |             |                                                                                     |
|                      | 0.17             | 8054  | 40000                |                                                                                    |       |     |      |             |                                                                                     |
|                      | 0.20             | 6970  | 40000                |                                                                                    |       |     |      |             |                                                                                     |
|                      | 0.22             | 6027  | 40000                | K                                                                                  | 97R57 | DR  | 63M4 | 180         | 523                                                                                 |
|                      | 0.24             | 5391  | 40000                | KF                                                                                 | 97R57 | DR  | 63M4 | 200         | 523                                                                                 |
|                      | 0.28             | 4669  | 40000                | KA                                                                                 | 97R57 | DR  | 63M4 | 160         | 523                                                                                 |
|                      | 0.32             | 4082  | 40000                | KAF                                                                                | 97R57 | DR  | 63M4 | 185         | 523                                                                                 |
|                      | 0.36             | 3583  | 40000                | K                                                                                  | 97R57 | DR  | 63L4 | 180         | 523                                                                                 |
|                      | 0.42             | 3108  | 40000                | KF                                                                                 | 97R57 | DR  | 63L4 | 200         | 523                                                                                 |
|                      | 0.47             | 2757  | 40000                | KA                                                                                 | 97R57 | DR  | 63L4 | 160         | 523                                                                                 |
|                      |                  |       |                      | KAF                                                                                | 97R57 | DR  | 63L4 | 185         | 523                                                                                 |
|                      | 0.57             | 2419  | 40000                | K                                                                                  | 97R57 | DRS | 71S4 | 180         | 523                                                                                 |
|                      | 0.65             | 2123  | 40000                | KF                                                                                 | 97R57 | DRS | 71S4 | 200         | 523                                                                                 |
|                      |                  |       |                      | KA                                                                                 | 97R57 | DRS | 71S4 | 160         | 523                                                                                 |
|                      |                  |       |                      | KAF                                                                                | 97R57 | DRS | 71S4 | 185         | 523                                                                                 |

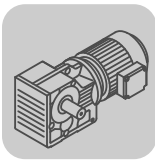


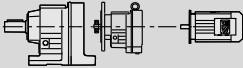


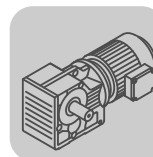
| $M_{a \max}$<br>[Nm] | $n_a$<br>[1/min] | $i$   | $F_{Ra}^{1)}$<br>[N] |  |        |     |        | $m$<br>[kg] |  |
|----------------------|------------------|-------|----------------------|------------------------------------------------------------------------------------|--------|-----|--------|-------------|-------------------------------------------------------------------------------------|
| <b>4300</b>          | <b>0.74</b>      | 1856  | 40000                | K                                                                                  | 97R57  | DRS | 71M4   | 180         | 523                                                                                 |
|                      | <b>0.85</b>      | 1625  | 40000                | KF                                                                                 | 97R57  | DRS | 71M4   | 200         | 523                                                                                 |
|                      | <b>0.96</b>      | 1430  | 40000                | KA                                                                                 | 97R57  | DRS | 71M4   | 165         | 523                                                                                 |
|                      | <b>1.1</b>       | 1261  | 40000                | KAF                                                                                | 97R57  | DRS | 71M4   | 190         | 523                                                                                 |
|                      | <b>1.3</b>       | 1102  | 40000                | K                                                                                  | 97R57  | DRS | 80S4   | 185         | 523                                                                                 |
|                      | <b>1.5</b>       | 957   | 40000                | KF                                                                                 | 97R57  | DRS | 80S4   | 205         | 523                                                                                 |
|                      |                  |       |                      | KA                                                                                 | 97R57  | DRS | 80S4   | 165         | 523                                                                                 |
|                      |                  |       |                      | KAF                                                                                | 97R57  | DRS | 80S4   | 190         | 523                                                                                 |
|                      | <b>1.6</b>       | 855   | 40000                | K                                                                                  | 97R57  | DRS | 80M4   | 185         | 523                                                                                 |
|                      | <b>1.9</b>       | 743   | 40000                | KF                                                                                 | 97R57  | DRS | 80M4   | 205         | 523                                                                                 |
|                      | <b>2.2</b>       | 652   | 40000                | KA                                                                                 | 97R57  | DRS | 80M4   | 170         | 523                                                                                 |
|                      |                  |       |                      | KAF                                                                                | 97R57  | DRS | 80M4   | 195         | 523                                                                                 |
|                      | <b>2.4</b>       | 573   | 40000                | K                                                                                  | 97R57  | DRS | 90M4   | 190         | 523                                                                                 |
|                      | <b>2.8</b>       | 504   | 40000                | KF                                                                                 | 97R57  | DRS | 90M4   | 210         | 523                                                                                 |
|                      |                  |       |                      | KA                                                                                 | 97R57  | DRS | 90M4   | 175         | 523                                                                                 |
|                      |                  |       |                      | KAF                                                                                | 97R57  | DRS | 90M4   | 200         | 523                                                                                 |
|                      | <b>3.2</b>       | 437   | 40000                | K                                                                                  | 97R57  | DRS | 90L4   | 195         | 523                                                                                 |
|                      | <b>3.7</b>       | 382   | 40000                | KF                                                                                 | 97R57  | DRS | 90L4   | 215         | 523                                                                                 |
|                      | <b>4.1</b>       | 342   | 40000                | KA                                                                                 | 97R57  | DRS | 90L4   | 175         | 523                                                                                 |
|                      |                  |       |                      | KAF                                                                                | 97R57  | DRS | 90L4   | 200         | 523                                                                                 |
|                      | <b>4.6</b>       | 305   | 40000                | K                                                                                  | 97R57  | DRS | 100M4  | 200         | 523                                                                                 |
|                      | <b>5.4</b>       | 258   | 40000                | KF                                                                                 | 97R57  | DRS | 100M4  | 220         | 523                                                                                 |
|                      | <b>6.0</b>       | 232   | 40000                | KA                                                                                 | 97R57  | DRS | 100M4  | 180         | 523                                                                                 |
|                      |                  |       |                      | KAF                                                                                | 97R57  | DRS | 100M4  | 205         | 523                                                                                 |
|                      | <b>7.2</b>       | 199   | 40000                | K                                                                                  | 97R57  | DRS | 100LC4 | 205         | 523                                                                                 |
|                      |                  |       |                      | KF                                                                                 | 97R57  | DRS | 100LC4 | 225         | 523                                                                                 |
|                      |                  |       |                      | KA                                                                                 | 97R57  | DRS | 100LC4 | 185         | 523                                                                                 |
|                      |                  |       |                      | KAF                                                                                | 97R57  | DRS | 100LC4 | 210         | 523                                                                                 |
| <b>8000</b>          | <b>0.10</b>      | 14311 | 65000                | K                                                                                  | 107R77 | DR  | 63S4   | 310         | 523                                                                                 |
|                      |                  |       |                      | KF                                                                                 | 107R77 | DR  | 63S4   | 320         | 523                                                                                 |
|                      |                  |       |                      | KA                                                                                 | 107R77 | DR  | 63S4   | 280         | 523                                                                                 |
|                      |                  |       |                      | KAF                                                                                | 107R77 | DR  | 63S4   | 305         | 523                                                                                 |
|                      | <b>0.11</b>      | 12211 | 65000                | K                                                                                  | 107R77 | DR  | 63M4   | 310         | 523                                                                                 |
|                      | <b>0.12</b>      | 10677 | 65000                | KF                                                                                 | 107R77 | DR  | 63M4   | 320         | 523                                                                                 |
|                      | <b>0.14</b>      | 9524  | 65000                | KA                                                                                 | 107R77 | DR  | 63M4   | 280         | 523                                                                                 |
|                      | <b>0.16</b>      | 8328  | 65000                | KAF                                                                                | 107R77 | DR  | 63M4   | 305         | 523                                                                                 |
|                      | <b>0.18</b>      | 7270  | 65000                | K                                                                                  | 107R77 | DR  | 63L4   | 310         | 523                                                                                 |
|                      | <b>0.21</b>      | 6184  | 65000                | KF                                                                                 | 107R77 | DR  | 63L4   | 320         | 523                                                                                 |
|                      | <b>0.23</b>      | 5662  | 65000                | KA                                                                                 | 107R77 | DR  | 63L4   | 285         | 523                                                                                 |
|                      |                  |       |                      | KAF                                                                                | 107R77 | DR  | 63L4   | 305         | 523                                                                                 |
|                      | <b>0.27</b>      | 5138  | 65000                | K                                                                                  | 107R77 | DRS | 71S4   | 310         | 523                                                                                 |
|                      | <b>0.32</b>      | 4359  | 65000                | KF                                                                                 | 107R77 | DRS | 71S4   | 325         | 523                                                                                 |
|                      | <b>0.36</b>      | 3810  | 65000                | KA                                                                                 | 107R77 | DRS | 71S4   | 285         | 523                                                                                 |
|                      |                  |       |                      | KAF                                                                                | 107R77 | DRS | 71S4   | 310         | 523                                                                                 |
|                      | <b>0.41</b>      | 3358  | 65000                | K                                                                                  | 107R77 | DRS | 71M4   | 315         | 523                                                                                 |
|                      | <b>0.46</b>      | 2977  | 65000                | KF                                                                                 | 107R77 | DRS | 71M4   | 325         | 523                                                                                 |
|                      | <b>0.53</b>      | 2599  | 65000                | KA                                                                                 | 107R77 | DRS | 71M4   | 285         | 523                                                                                 |
|                      |                  |       |                      | KAF                                                                                | 107R77 | DRS | 71M4   | 310         | 523                                                                                 |
|                      | <b>0.61</b>      | 2286  | 65000                | K                                                                                  | 107R77 | DRS | 80S4   | 315         | 523                                                                                 |
|                      | <b>0.72</b>      | 1939  | 65000                | KF                                                                                 | 107R77 | DRS | 80S4   | 330         | 523                                                                                 |
|                      |                  |       |                      | KA                                                                                 | 107R77 | DRS | 80S4   | 290         | 523                                                                                 |
|                      |                  |       |                      | KAF                                                                                | 107R77 | DRS | 80S4   | 310         | 523                                                                                 |
|                      | <b>0.82</b>      | 1713  | 65000                | K                                                                                  | 107R77 | DRS | 80M4   | 315         | 523                                                                                 |
|                      | <b>0.91</b>      | 1554  | 65000                | KF                                                                                 | 107R77 | DRS | 80M4   | 330         | 523                                                                                 |
|                      | <b>1.1</b>       | 1336  | 65000                | KA                                                                                 | 107R77 | DRS | 80M4   | 290         | 523                                                                                 |
|                      |                  |       |                      | KAF                                                                                | 107R77 | DRS | 80M4   | 315         | 523                                                                                 |
|                      | <b>1.2</b>       | 1166  | 65000                | K                                                                                  | 107R77 | DRS | 90M4   | 320         | 523                                                                                 |
|                      | <b>1.4</b>       | 1030  | 65000                | KF                                                                                 | 107R77 | DRS | 90M4   | 335         | 523                                                                                 |
|                      | <b>1.5</b>       | 904   | 65000                | KA                                                                                 | 107R77 | DRS | 90M4   | 295         | 523                                                                                 |
|                      |                  |       |                      | KAF                                                                                | 107R77 | DRS | 90M4   | 320         | 523                                                                                 |
|                      | <b>1.8</b>       | 793   | 65000                | K                                                                                  | 107R77 | DRS | 90L4   | 325         | 523                                                                                 |
|                      | <b>2.0</b>       | 696   | 65000                | KF                                                                                 | 107R77 | DRS | 90L4   | 335         | 523                                                                                 |
|                      | <b>2.3</b>       | 615   | 65000                | KA                                                                                 | 107R77 | DRS | 90L4   | 295         | 523                                                                                 |
|                      |                  |       |                      | KAF                                                                                | 107R77 | DRS | 90L4   | 320         | 523                                                                                 |
|                      | <b>2.7</b>       | 522   | 65000                | K                                                                                  | 107R77 | DRS | 100M4  | 330         | 523                                                                                 |
|                      | <b>3.0</b>       | 461   | 65000                | KF                                                                                 | 107R77 | DRS | 100M4  | 340         | 523                                                                                 |
|                      |                  |       |                      | KA                                                                                 | 107R77 | DRS | 100M4  | 300         | 523                                                                                 |
|                      |                  |       |                      | KAF                                                                                | 107R77 | DRS | 100M4  | 325         | 523                                                                                 |

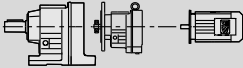


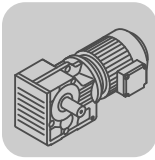
| $M_{a \max}$<br>[Nm] | $n_a$<br>[1/min]             | $i$   | $F_{Ra}^{1)}$<br>[N] |  |        |     |        | $m$<br>[kg] |  |
|----------------------|------------------------------|-------|----------------------|------------------------------------------------------------------------------------|--------|-----|--------|-------------|-------------------------------------------------------------------------------------|
| 8000                 | 3.5<br>4.0                   | 408   | 65000                | K                                                                                  | 107R77 | DRS | 100LC4 | 335         | 523                                                                                 |
|                      |                              | 364   | 65000                | KF                                                                                 | 107R77 | DRS | 100LC4 | 345         | 523                                                                                 |
|                      |                              |       |                      | KA                                                                                 | 107R77 | DRS | 100LC4 | 305         | 523                                                                                 |
|                      |                              |       |                      | KAF                                                                                | 107R77 | DRS | 100LC4 | 330         | 523                                                                                 |
|                      | 4.6<br>5.0<br>5.8            | 318   | 65000                | K                                                                                  | 107R77 | DRS | 132S4  | 345         | 523                                                                                 |
|                      |                              | 286   | 65000                | KF                                                                                 | 107R77 | DRS | 132S4  | 360         | 523                                                                                 |
|                      |                              | 251   | 65000                | KA                                                                                 | 107R77 | DRS | 132S4  | 320         | 523                                                                                 |
|                      |                              |       |                      | KAF                                                                                | 107R77 | DRS | 132S4  | 345         | 523                                                                                 |
| 13000                | 0.08<br>0.08<br>0.09<br>0.11 | 17550 | 79200                | K                                                                                  | 127R77 | DR  | 63M4   | 470         | 523                                                                                 |
|                      |                              | 16006 | 79200                | KF                                                                                 | 127R77 | DR  | 63M4   | 510         | 523                                                                                 |
|                      |                              | 14975 | 79200                | KA                                                                                 | 127R77 | DR  | 63M4   | 440         | 523                                                                                 |
|                      |                              | 12440 | 79200                | KAF                                                                                | 127R77 | DR  | 63M4   | 480         | 523                                                                                 |
|                      | 0.12<br>0.13<br>0.15         | 10915 | 79200                | K                                                                                  | 127R77 | DR  | 63L4   | 470         | 523                                                                                 |
|                      |                              | 9819  | 79200                | KF                                                                                 | 127R77 | DR  | 63L4   | 510         | 523                                                                                 |
|                      |                              | 8443  | 79200                | KA                                                                                 | 127R77 | DR  | 63L4   | 440         | 523                                                                                 |
|                      |                              |       |                      | KAF                                                                                | 127R77 | DR  | 63L4   | 480         | 523                                                                                 |
|                      | 0.18<br>0.21                 | 7482  | 79200                | K                                                                                  | 127R77 | DRS | 71S4   | 470         | 523                                                                                 |
|                      |                              | 6565  | 79200                | KF                                                                                 | 127R77 | DRS | 71S4   | 510         | 523                                                                                 |
|                      |                              |       |                      | KA                                                                                 | 127R77 | DRS | 71S4   | 445         | 523                                                                                 |
|                      |                              |       |                      | KAF                                                                                | 127R77 | DRS | 71S4   | 480         | 523                                                                                 |
|                      | 0.24<br>0.27<br>0.31         | 5804  | 79200                | K                                                                                  | 127R77 | DRS | 71M4   | 475         | 523                                                                                 |
|                      |                              | 5027  | 79200                | KF                                                                                 | 127R77 | DRS | 71M4   | 520         | 523                                                                                 |
|                      |                              | 4423  | 79200                | KA                                                                                 | 127R77 | DRS | 71M4   | 445         | 523                                                                                 |
|                      |                              |       |                      | KAF                                                                                | 127R77 | DRS | 71M4   | 485         | 523                                                                                 |
|                      | 0.36<br>0.42<br>0.47         | 3889  | 79200                | K                                                                                  | 127R77 | DRS | 80S4   | 475         | 523                                                                                 |
|                      |                              | 3311  | 79200                | KF                                                                                 | 127R77 | DRS | 80S4   | 520         | 523                                                                                 |
|                      |                              | 3009  | 79200                | KA                                                                                 | 127R77 | DRS | 80S4   | 450         | 523                                                                                 |
|                      |                              |       |                      | KAF                                                                                | 127R77 | DRS | 80S4   | 485         | 523                                                                                 |
|                      | 0.54<br>0.62                 | 2607  | 79200                | K                                                                                  | 127R77 | DRS | 80M4   | 480         | 523                                                                                 |
|                      |                              | 2268  | 79200                | KF                                                                                 | 127R77 | DRS | 80M4   | 520         | 523                                                                                 |
|                      |                              |       |                      | KA                                                                                 | 127R77 | DRS | 80M4   | 450         | 523                                                                                 |
|                      |                              |       |                      | KAF                                                                                | 127R77 | DRS | 80M4   | 490         | 523                                                                                 |
|                      | 0.73                         | 1926  | 79200                | K                                                                                  | 127R77 | DRS | 80M4   | 480         | 523                                                                                 |
|                      |                              |       |                      | KF                                                                                 | 127R77 | DRS | 80M4   | 520         | 523                                                                                 |
|                      |                              |       |                      | KA                                                                                 | 127R77 | DRS | 80M4   | 450         | 523                                                                                 |
|                      |                              |       |                      | KAF                                                                                | 127R77 | DRS | 80M4   | 485         | 523                                                                                 |
|                      | 0.79<br>0.90                 | 1757  | 79200                | K                                                                                  | 127R77 | DRS | 90M4   | 480         | 523                                                                                 |
|                      |                              | 1541  | 79200                | KF                                                                                 | 127R77 | DRS | 90M4   | 520         | 523                                                                                 |
|                      |                              |       |                      | KA                                                                                 | 127R77 | DRS | 90M4   | 455         | 523                                                                                 |
|                      |                              |       |                      | KAF                                                                                | 127R77 | DRS | 90M4   | 490         | 523                                                                                 |
|                      | 1.0<br>1.2<br>1.4            | 1342  | 79200                | K                                                                                  | 127R77 | DRS | 90L4   | 485         | 523                                                                                 |
|                      |                              | 1177  | 79200                | KF                                                                                 | 127R77 | DRS | 90L4   | 530         | 523                                                                                 |
|                      |                              | 1025  | 79200                | KA                                                                                 | 127R77 | DRS | 90L4   | 455         | 523                                                                                 |
|                      |                              |       |                      | KAF                                                                                | 127R77 | DRS | 90L4   | 495         | 523                                                                                 |
|                      | 1.6<br>1.8<br>2.0            | 899   | 79200                | K                                                                                  | 127R77 | DRS | 100M4  | 490         | 523                                                                                 |
|                      |                              | 790   | 79200                | KF                                                                                 | 127R77 | DRS | 100M4  | 530         | 523                                                                                 |
|                      |                              | 704   | 79200                | KA                                                                                 | 127R77 | DRS | 100M4  | 460         | 523                                                                                 |
|                      |                              |       |                      | KAF                                                                                | 127R77 | DRS | 100M4  | 500         | 523                                                                                 |
|                      | 2.4<br>2.6                   | 610   | 79200                | K                                                                                  | 127R77 | DRS | 100LC4 | 495         | 523                                                                                 |
|                      |                              | 549   | 79200                | KF                                                                                 | 127R77 | DRS | 100LC4 | 540         | 523                                                                                 |
|                      |                              |       |                      | KA                                                                                 | 127R77 | DRS | 100LC4 | 465         | 523                                                                                 |
|                      |                              |       |                      | KAF                                                                                | 127R77 | DRS | 100LC4 | 500         | 523                                                                                 |
|                      | 3.0<br>3.4                   | 477   | 79200                | K                                                                                  | 127R77 | DRS | 132S4  | 510         | 523                                                                                 |
|                      |                              | 418   | 79200                | KF                                                                                 | 127R77 | DRS | 132S4  | 550         | 523                                                                                 |
|                      |                              |       |                      | KA                                                                                 | 127R77 | DRS | 132S4  | 480         | 523                                                                                 |
|                      |                              |       |                      | KAF                                                                                | 127R77 | DRS | 132S4  | 520         | 523                                                                                 |
|                      | 2.7<br>3.0<br>3.5            | 536   | 79200                | K                                                                                  | 127R87 | DRS | 132S4  | 530         | 523                                                                                 |
|                      |                              | 473   | 79200                | KF                                                                                 | 127R87 | DRS | 132S4  | 570         | 523                                                                                 |
|                      |                              | 418   | 79200                | KA                                                                                 | 127R87 | DRS | 132S4  | 500         | 523                                                                                 |
|                      |                              |       |                      | KAF                                                                                | 127R87 | DRS | 132S4  | 540         | 523                                                                                 |
|                      | 3.9<br>4.4<br>5.0            | 367   | 79200                | K                                                                                  | 127R87 | DRS | 132M4  | 540         | 523                                                                                 |
|                      |                              | 330   | 79200                | KF                                                                                 | 127R87 | DRS | 132M4  | 580         | 523                                                                                 |
|                      |                              | 287   | 79200                | KA                                                                                 | 127R87 | DRS | 132M4  | 510         | 523                                                                                 |
|                      |                              |       |                      | KAF                                                                                | 127R87 | DRS | 132M4  | 550         | 523                                                                                 |
|                      | 5.8                          | 253   | 79200                | K                                                                                  | 127R87 | DRS | 132MC4 | 540         | 523                                                                                 |
|                      |                              |       |                      | KF                                                                                 | 127R87 | DRS | 132MC4 | 590         | 523                                                                                 |
|                      |                              |       |                      | KA                                                                                 | 127R87 | DRS | 132MC4 | 520         | 523                                                                                 |
|                      |                              |       |                      | KAF                                                                                | 127R87 | DRS | 132MC4 | 550         | 523                                                                                 |



| $M_{a \max}$<br>[Nm] | $n_a$<br>[1/min] | $i$   | $F_{Ra}^{1)}$<br>[N] |  |                |            |               | $m$<br>[kg] |  |
|----------------------|------------------|-------|----------------------|------------------------------------------------------------------------------------|----------------|------------|---------------|-------------|-------------------------------------------------------------------------------------|
| <b>18000</b>         | <b>0.08</b>      | 17679 | 112200               | <b>K</b>                                                                           | <b>157R97</b>  | <b>DRS</b> | <b>71M4</b>   | 790         | 523                                                                                 |
|                      | <b>0.09</b>      | 15729 | 112200               |                                                                                    |                |            |               | 870         | 523                                                                                 |
|                      | <b>0.09</b>      | 14721 | 112200               |                                                                                    |                |            |               | 750         | 523                                                                                 |
|                      | <b>0.11</b>      | 13097 | 112200               |                                                                                    |                |            |               | 810         | 523                                                                                 |
|                      | <b>0.12</b>      | 11368 | 112200               |                                                                                    |                |            |               |             |                                                                                     |
|                      | <b>0.14</b>      | 10114 | 112200               |                                                                                    |                |            |               |             |                                                                                     |
|                      | <b>0.16</b>      | 8718  | 112200               |                                                                                    |                |            |               |             |                                                                                     |
|                      | <b>0.18</b>      | 7734  | 112200               |                                                                                    |                |            |               |             |                                                                                     |
|                      | <b>0.28</b>      | 5074  | 112200               | <b>KF</b>                                                                          | <b>157R97</b>  | <b>DRS</b> | <b>80S4</b>   | 790         | 523                                                                                 |
|                      | <b>0.31</b>      | 4514  | 112200               |                                                                                    |                |            |               | 870         | 523                                                                                 |
|                      |                  |       |                      |                                                                                    |                |            |               | 760         | 523                                                                                 |
|                      |                  |       |                      |                                                                                    |                |            |               | 810         | 523                                                                                 |
|                      | <b>0.35</b>      | 3979  | 112200               | <b>KA</b>                                                                          | <b>157R97</b>  | <b>DRS</b> | <b>80M4</b>   | 800         | 523                                                                                 |
|                      | <b>0.40</b>      | 3516  | 112200               |                                                                                    |                |            |               | 870         | 523                                                                                 |
|                      | <b>0.46</b>      | 3051  | 112200               |                                                                                    |                |            |               | 760         | 523                                                                                 |
|                      |                  |       |                      |                                                                                    |                |            |               | 820         | 523                                                                                 |
|                      | <b>0.53</b>      | 2610  | 112200               | <b>KAF</b>                                                                         | <b>157R97</b>  | <b>DRS</b> | <b>90M4</b>   | 800         | 523                                                                                 |
|                      | <b>0.60</b>      | 2322  | 112200               |                                                                                    |                |            |               | 880         | 523                                                                                 |
|                      |                  |       |                      |                                                                                    |                |            |               | 760         | 523                                                                                 |
|                      |                  |       |                      |                                                                                    |                |            |               | 820         | 523                                                                                 |
|                      | <b>0.69</b>      | 2029  | 112200               | <b>K</b>                                                                           | <b>157R97</b>  | <b>DRS</b> | <b>90L4</b>   | 800         | 523                                                                                 |
|                      | <b>0.78</b>      | 1805  | 112200               |                                                                                    |                |            |               | 880         | 523                                                                                 |
|                      |                  |       |                      |                                                                                    |                |            |               | 760         | 523                                                                                 |
|                      |                  |       |                      |                                                                                    |                |            |               | 820         | 523                                                                                 |
|                      | <b>0.84</b>      | 1659  | 112200               | <b>KF</b>                                                                          | <b>157R97</b>  | <b>DRS</b> | <b>90L4</b>   | 800         | 523                                                                                 |
|                      | <b>1.0</b>       | 1365  | 112200               |                                                                                    |                |            |               | 880         | 523                                                                                 |
|                      |                  |       |                      |                                                                                    |                |            |               | 760         | 523                                                                                 |
|                      |                  |       |                      |                                                                                    |                |            |               | 820         | 523                                                                                 |
|                      | <b>1.1</b>       | 1229  | 112200               | <b>KA</b>                                                                          | <b>157R97</b>  | <b>DRS</b> | <b>100M4</b>  | 800         | 523                                                                                 |
|                      | <b>1.3</b>       | 1093  | 112200               |                                                                                    |                |            |               | 880         | 523                                                                                 |
|                      |                  |       |                      |                                                                                    |                |            |               | 770         | 523                                                                                 |
|                      |                  |       |                      |                                                                                    |                |            |               | 830         | 523                                                                                 |
|                      | <b>1.5</b>       | 942   | 112200               | <b>KAF</b>                                                                         | <b>157R97</b>  | <b>DRS</b> | <b>100LC4</b> | 810         | 523                                                                                 |
|                      | <b>1.7</b>       | 854   | 112200               |                                                                                    |                |            |               | 890         | 523                                                                                 |
|                      | <b>1.9</b>       | 756   | 112200               |                                                                                    |                |            |               | 770         | 523                                                                                 |
|                      |                  |       |                      |                                                                                    |                |            |               | 830         | 523                                                                                 |
|                      | <b>2.2</b>       | 661   | 112200               | <b>K</b>                                                                           | <b>157R97</b>  | <b>DRS</b> | <b>132S4</b>  | 820         | 523                                                                                 |
|                      | <b>2.6</b>       | 567   | 112200               |                                                                                    |                |            |               | 900         | 523                                                                                 |
|                      |                  |       |                      |                                                                                    |                |            |               | 780         | 523                                                                                 |
|                      |                  |       |                      |                                                                                    |                |            |               | 840         | 523                                                                                 |
|                      | <b>2.9</b>       | 504   | 112200               | <b>KF</b>                                                                          | <b>157R97</b>  | <b>DRS</b> | <b>132M4</b>  | 830         | 523                                                                                 |
|                      | <b>3.3</b>       | 434   | 112200               |                                                                                    |                |            |               | 910         | 523                                                                                 |
|                      |                  |       |                      |                                                                                    |                |            |               | 800         | 523                                                                                 |
|                      |                  |       |                      |                                                                                    |                |            |               | 860         | 523                                                                                 |
|                      | <b>3.9</b>       | 379   | 112200               | <b>KA</b>                                                                          | <b>157R97</b>  | <b>DRS</b> | <b>132MC4</b> | 840         | 523                                                                                 |
|                      | <b>4.4</b>       | 333   | 112200               |                                                                                    |                |            |               | 920         | 523                                                                                 |
|                      |                  |       |                      |                                                                                    |                |            |               | 800         | 523                                                                                 |
|                      |                  |       |                      |                                                                                    |                |            |               | 860         | 523                                                                                 |
|                      | <b>5.0</b>       | 291   | 112200               | <b>KAF</b>                                                                         | <b>157R97</b>  | <b>DRS</b> | <b>160M4</b>  | 860         | 523                                                                                 |
|                      |                  |       |                      |                                                                                    |                |            |               | 940         | 523                                                                                 |
|                      |                  |       |                      |                                                                                    |                |            |               | 820         | 523                                                                                 |
|                      |                  |       |                      |                                                                                    |                |            |               | 880         | 523                                                                                 |
|                      | <b>3.8</b>       | 385   | 112200               | <b>K</b>                                                                           | <b>157R107</b> | <b>DRS</b> | <b>132MC4</b> | 880         | 523                                                                                 |
|                      |                  |       |                      |                                                                                    |                |            |               | 960         | 523                                                                                 |
|                      |                  |       |                      |                                                                                    |                |            |               | 850         | 523                                                                                 |
|                      |                  |       |                      |                                                                                    |                |            |               | 910         | 523                                                                                 |
|                      | <b>4.5</b>       | 325   | 112200               | <b>KF</b>                                                                          | <b>157R107</b> | <b>DRS</b> | <b>160M4</b>  | 910         | 523                                                                                 |
|                      | <b>4.9</b>       | 299   | 112200               |                                                                                    |                |            |               | 980         | 523                                                                                 |
|                      |                  |       |                      |                                                                                    |                |            |               | 870         | 523                                                                                 |
|                      |                  |       |                      |                                                                                    |                |            |               | 930         | 523                                                                                 |
|                      | <b>5.8</b>       | 253   | 112200               | <b>KA</b>                                                                          | <b>157R107</b> | <b>DRS</b> | <b>160MC4</b> | 910         | 523                                                                                 |
|                      | <b>6.4</b>       | 230   | 112200               |                                                                                    |                |            |               | 990         | 523                                                                                 |
|                      | <b>6.9</b>       | 213   | 112200               |                                                                                    |                |            |               | 870         | 523                                                                                 |
|                      |                  |       |                      |                                                                                    |                |            |               | 930         | 523                                                                                 |



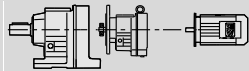
| $M_{a \max}$<br>[Nm] | $n_a$<br>[1/min] | $i$   | $F_{Ra}^{1)}$<br>[N] |  |                    |            |                  | $m$<br>[kg] |  |
|----------------------|------------------|-------|----------------------|------------------------------------------------------------------------------------|--------------------|------------|------------------|-------------|-------------------------------------------------------------------------------------|
| 32000                | 0.07             | 19723 | 150000               | K<br>KH                                                                            | 167R97<br>167R97   | DRS<br>DRS | 71M4<br>71M4     | 1180        | 523                                                                                 |
|                      | 0.08             | 17406 | 150000               |                                                                                    |                    |            |                  | 1150        | 523                                                                                 |
|                      | 0.09             | 15000 | 150000               |                                                                                    |                    |            |                  |             |                                                                                     |
|                      | 0.10             | 13238 | 150000               |                                                                                    |                    |            |                  |             |                                                                                     |
|                      | 0.12             | 11573 | 150000               |                                                                                    |                    |            |                  |             |                                                                                     |
|                      | 0.13             | 10264 | 150000               |                                                                                    |                    |            |                  |             |                                                                                     |
|                      | 0.16             | 8628  | 150000               | K<br>KH                                                                            | 167R97<br>167R97   | DRS<br>DRS | 80S4<br>80S4     | 1190        | 523                                                                                 |
|                      |                  |       |                      |                                                                                    |                    |            |                  | 1150        | 523                                                                                 |
|                      | 0.21             | 6562  | 150000               | K<br>KH                                                                            | 167R97<br>167R97   | DRS<br>DRS | 80M4<br>80M4     | 1190        | 523                                                                                 |
|                      | 0.26             | 5355  | 150000               |                                                                                    |                    |            |                  | 1150        | 523                                                                                 |
|                      | 0.29             | 4788  | 150000               | K<br>KH                                                                            | 167R97<br>167R97   | DRS<br>DRS | 90M4<br>90M4     | 1190        | 523                                                                                 |
|                      | 0.34             | 4079  | 150000               |                                                                                    |                    |            |                  | 1150        | 523                                                                                 |
|                      | 0.41             | 3376  | 150000               | K<br>KH                                                                            | 167R97<br>167R97   | DRS<br>DRS | 90L4<br>90L4     | 1190        | 523                                                                                 |
|                      | 0.51             | 2755  | 150000               |                                                                                    |                    |            |                  | 1160        | 523                                                                                 |
|                      | 0.62             | 2263  | 150000               | K<br>KH                                                                            | 167R97<br>167R97   | DRS<br>DRS | 100M4<br>100M4   | 1200        | 523                                                                                 |
|                      |                  |       |                      |                                                                                    |                    |            |                  | 1160        | 523                                                                                 |
|                      | 0.64             | 2182  | 150000               | K<br>KH                                                                            | 167R97<br>167R97   | DRS<br>DRS | 100M4<br>100M4   | 1200        | 523                                                                                 |
|                      |                  |       |                      |                                                                                    |                    |            |                  | 1160        | 523                                                                                 |
|                      | 0.85             | 1704  | 150000               | K<br>KH                                                                            | 167R97<br>167R97   | DRS<br>DRS | 100LC4<br>100LC4 | 1200        | 523                                                                                 |
|                      | 1.0              | 1408  | 150000               |                                                                                    |                    |            |                  | 1160        | 523                                                                                 |
|                      | 1.1              | 1296  | 150000               | K<br>KH                                                                            | 167R97<br>167R97   | DRS<br>DRS | 132S4<br>132S4   | 1210        | 523                                                                                 |
|                      | 1.3              | 1101  | 150000               |                                                                                    |                    |            |                  | 1180        | 523                                                                                 |
|                      | 1.5              | 944   | 150000               | K<br>KH                                                                            | 167R97<br>167R97   | DRS<br>DRS | 132M4<br>132M4   | 1230        | 523                                                                                 |
|                      | 1.7              | 843   | 150000               |                                                                                    |                    |            |                  | 1190        | 523                                                                                 |
|                      | 1.9              | 757   | 150000               | K<br>KH                                                                            | 167R97<br>167R97   | DRS<br>DRS | 132MC4<br>132MC4 | 1230        | 523                                                                                 |
|                      |                  |       |                      |                                                                                    |                    |            |                  | 1190        | 523                                                                                 |
|                      | 2.3              | 632   | 150000               | K<br>KH                                                                            | 167R97<br>167R97   | DRS<br>DRS | 160M4<br>160M4   | 1250        | 523                                                                                 |
|                      |                  |       |                      |                                                                                    |                    |            |                  | 1210        | 523                                                                                 |
|                      | 2.6              | 561   | 150000               | K<br>KH                                                                            | 167R97<br>167R97   | DRS<br>DRS | 160MC4<br>160MC4 | 1260        | 523                                                                                 |
|                      |                  |       |                      |                                                                                    |                    |            |                  | 1220        | 523                                                                                 |
|                      | 3.0              | 481   | 150000               | K<br>KH                                                                            | 167R107<br>167R107 | DRS<br>DRS | 180M4<br>180M4   | 1350        | 523                                                                                 |
|                      | 3.5              | 423   | 150000               |                                                                                    |                    |            |                  | 1310        | 523                                                                                 |
|                      | 4.0              | 369   | 150000               | K<br>KH                                                                            | 167R107<br>167R107 | DRS<br>DRS | 180L4<br>180L4   | 1370        | 523                                                                                 |
|                      | 4.6              | 318   | 150000               |                                                                                    |                    |            |                  | 1330        | 523                                                                                 |
|                      | 5.3              | 278   | 150000               | K<br>KH                                                                            | 167R107<br>167R107 | DRS<br>DRS | 180LC4<br>180LC4 | 1380        | 523                                                                                 |
|                      | 6.0              | 244   | 150000               |                                                                                    |                    |            |                  | 1340        | 523                                                                                 |
|                      | 6.9              | 213   | 150000               | K<br>KH                                                                            | 167R107<br>167R107 | DRS<br>DRS | 225S4<br>225S4   | 1500        | 523                                                                                 |
|                      | 7.1              | 206   | 150000               |                                                                                    |                    |            |                  | 1460        | 523                                                                                 |
|                      | 8.2              | 180   | 150000               | K<br>KH                                                                            | 167R107<br>167R107 | DRS<br>DRS | 225M4<br>225M4   | 1520        | 523                                                                                 |
|                      | 9.2              | 160   | 150000               |                                                                                    |                    |            |                  | 1480        | 523                                                                                 |
|                      | 11               | 135   | 150000               | K<br>KH                                                                            | 167R107<br>167R107 | DRS<br>DRS | 225M4<br>225M4   | 1520        | 523                                                                                 |
|                      | 13               | 118   | 150000               |                                                                                    |                    |            |                  | 1480        | 523                                                                                 |
| 50000                | 0.04             | 32625 | 190000               | K<br>KH                                                                            | 187R97<br>187R97   | DRS<br>DRS | 71M4<br>71M4     | 1770        | 523                                                                                 |
|                      | 0.05             | 27165 | 190000               |                                                                                    |                    |            |                  | 1700        | 523                                                                                 |
|                      | 0.06             | 24353 | 190000               |                                                                                    |                    |            |                  |             |                                                                                     |
|                      | 0.07             | 19144 | 190000               |                                                                                    |                    |            |                  |             |                                                                                     |
|                      | 0.08             | 16978 | 190000               |                                                                                    |                    |            |                  |             |                                                                                     |
|                      | 0.10             | 14272 | 190000               | K<br>KH                                                                            | 187R97<br>187R97   | DRS<br>DRS | 80S4<br>80S4     | 1770        | 523                                                                                 |
|                      | 0.11             | 13116 | 190000               |                                                                                    |                    |            |                  | 1700        | 523                                                                                 |
|                      | 0.12             | 11647 | 190000               |                                                                                    |                    |            |                  |             |                                                                                     |
|                      | 0.14             | 10413 | 190000               | K<br>KH                                                                            | 187R97<br>187R97   | DRS<br>DRS | 80M4<br>80M4     | 1770        | 523                                                                                 |
|                      | 0.15             | 9363  | 190000               |                                                                                    |                    |            |                  | 1700        | 523                                                                                 |
|                      | 0.17             | 8126  | 190000               |                                                                                    |                    |            |                  |             |                                                                                     |
|                      | 0.19             | 7343  | 190000               | K<br>KH                                                                            | 187R97<br>187R97   | DRS<br>DRS | 90M4<br>90M4     | 1770        | 523                                                                                 |
|                      | 0.21             | 6747  | 190000               |                                                                                    |                    |            |                  | 1710        | 523                                                                                 |
|                      | 0.23             | 5991  | 190000               |                                                                                    |                    |            |                  |             |                                                                                     |
|                      | 0.26             | 5358  | 190000               | K<br>KH                                                                            | 187R97<br>187R97   | DRS<br>DRS | 90L4<br>90L4     | 1780        | 523                                                                                 |
|                      | 0.29             | 4817  | 190000               |                                                                                    |                    |            |                  | 1710        | 523                                                                                 |
|                      | 0.32             | 4370  | 190000               |                                                                                    |                    |            |                  |             |                                                                                     |
|                      | 0.39             | 3609  | 190000               | K<br>KH                                                                            | 187R97<br>187R97   | DRS<br>DRS | 100M4<br>100M4   | 1780        | 523                                                                                 |
|                      | 0.46             | 3062  | 190000               |                                                                                    |                    |            |                  | 1710        | 523                                                                                 |
|                      | 0.57             | 2519  | 190000               | K<br>KH                                                                            | 187R97<br>187R97   | DRS<br>DRS | 100LC4<br>100LC4 | 1780        | 523                                                                                 |
|                      | 0.64             | 2268  | 190000               |                                                                                    |                    |            |                  | 1720        | 523                                                                                 |



## K..DRS K..R..DRS [Nm]



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| M <sub>a max</sub><br>[Nm] | n <sub>a</sub><br>[1/min] | i    | F <sub>Ra</sub> <sup>1)</sup><br>[N] |  |         |     |        | m<br>[kg] |  |
|----------------------------|---------------------------|------|--------------------------------------|------------------------------------------------------------------------------------|---------|-----|--------|-----------|-------------------------------------------------------------------------------------|
| 50000                      | 0.70                      | 2054 | 190000                               |                                                                                    |         |     |        |           |                                                                                     |
|                            | 0.79                      | 1821 | 190000                               | K                                                                                  | 187R97  | DRS | 132S4  | 1800      | 523                                                                                 |
|                            | 0.90                      | 1605 | 190000                               | KH                                                                                 | 187R97  | DRS | 132S4  | 1730      | 523                                                                                 |
|                            | 1.0                       | 1395 | 190000                               | K                                                                                  | 187R97  | DRS | 132M4  | 1810      | 523                                                                                 |
|                            | 1.2                       | 1196 | 190000                               | KH                                                                                 | 187R97  | DRS | 132M4  | 1740      | 523                                                                                 |
|                            | 1.4                       | 1046 | 190000                               | K                                                                                  | 187R97  | DRS | 132MC4 | 1810      | 523                                                                                 |
|                            | 1.6                       | 945  | 190000                               | KH                                                                                 | 187R97  | DRS | 132MC4 | 1750      | 523                                                                                 |
|                            | 2.0                       | 738  | 190000                               | K                                                                                  | 187R97  | DRS | 160MC4 | 1840      | 523                                                                                 |
|                            | 2.4                       | 621  | 190000                               | KH                                                                                 | 187R97  | DRS | 160MC4 | 1770      | 523                                                                                 |
|                            | 2.8                       | 527  | 190000                               | K                                                                                  | 187R97  | DRS | 180M4  | 1880      | 523                                                                                 |
|                            |                           |      |                                      | KH                                                                                 | 187R97  | DRS | 180M4  | 1820      | 523                                                                                 |
|                            | 1.8                       | 835  | 190000                               | K                                                                                  | 187R107 | DRS | 160M4  | 1880      | 523                                                                                 |
|                            |                           |      |                                      | KH                                                                                 | 187R107 | DRS | 160M4  | 1810      | 523                                                                                 |
|                            | 2.0                       | 729  | 190000                               | K                                                                                  | 187R107 | DRS | 160MC4 | 1890      | 523                                                                                 |
|                            | 2.4                       | 622  | 190000                               | KH                                                                                 | 187R107 | DRS | 160MC4 | 1820      | 523                                                                                 |
|                            | 2.8                       | 520  | 190000                               | K                                                                                  | 187R107 | DRS | 180M4  | 1930      | 523                                                                                 |
|                            | 3.2                       | 454  | 190000                               | KH                                                                                 | 187R107 | DRS | 180M4  | 1860      | 523                                                                                 |
|                            | 4.1                       | 355  | 190000                               | K                                                                                  | 187R107 | DRS | 180LC4 | 1960      | 523                                                                                 |
|                            |                           |      |                                      | KH                                                                                 | 187R107 | DRS | 180LC4 | 1890      | 523                                                                                 |
|                            | 5.6                       | 261  | 190000                               | K                                                                                  | 187R107 | DRS | 225S4  | 2080      | 523                                                                                 |
|                            |                           |      |                                      | KH                                                                                 | 187R107 | DRS | 225S4  | 2010      | 523                                                                                 |
|                            | 6.7                       | 221  | 190000                               | K                                                                                  | 187R107 | DRS | 225M4  | 2100      | 523                                                                                 |
|                            | 7.6                       | 193  | 190000                               | KH                                                                                 | 187R107 | DRS | 225M4  | 2030      | 523                                                                                 |
|                            | 9.0                       | 163  | 190000                               | K                                                                                  | 187R107 | DRS | 225MC4 | 2110      | 523                                                                                 |
|                            |                           |      |                                      | KH                                                                                 | 187R107 | DRS | 225MC4 | 2050      | 523                                                                                 |

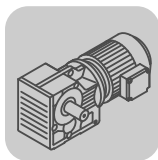


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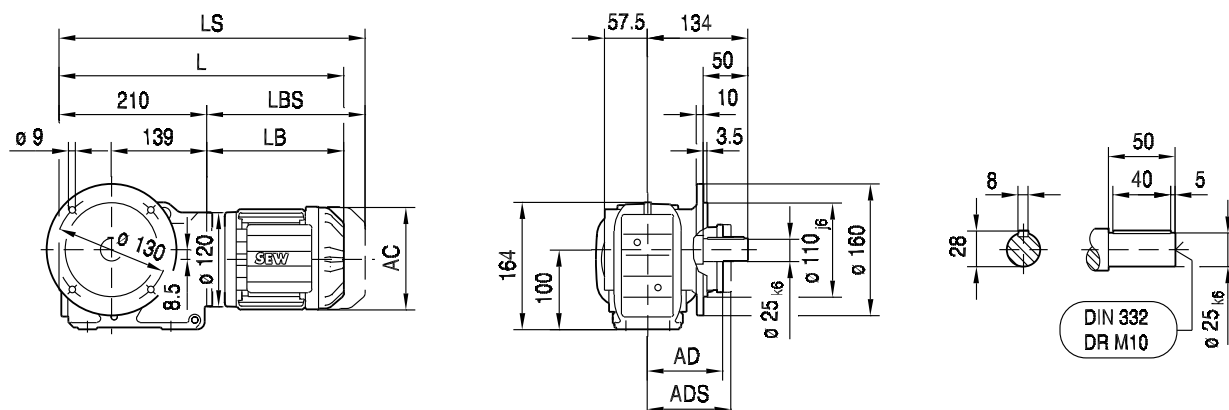
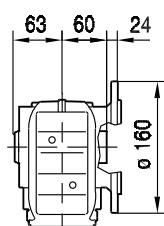
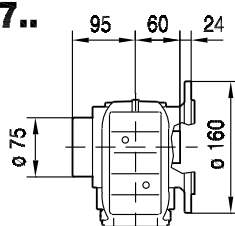
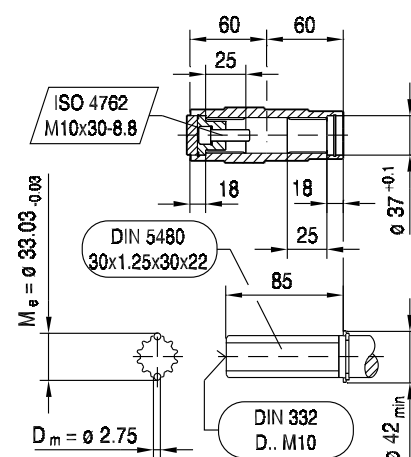
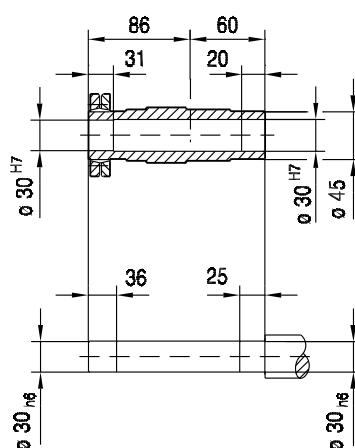
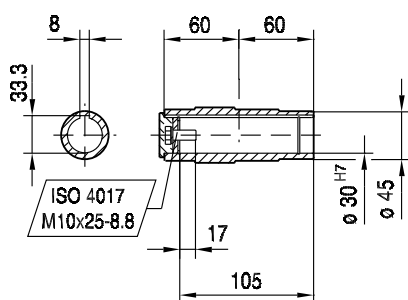
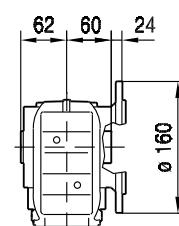


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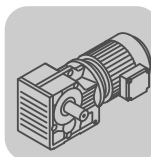
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| (→ 131) | DR63.. | DR71S | DR71M | DR80S | DR80M | DR90M | DR90L | DR100M |
|---------|--------|-------|-------|-------|-------|-------|-------|--------|
| AC      | 132    | 139   | 139   | 156   | 156   | 179   | 179   | 197    |
| AD      | 105    | 119   | 119   | 128   | 128   | 140   | 140   | 157    |
| ADS     | 105    | 129   | 129   | 139   | 139   | 150   | 150   | 158    |
| L       | 401    | 413   | 438   | 447   | 478   | 482   | 502   | 532    |
| LS      | 456    | 481   | 506   | 528   | 559   | 575   | 595   | 625    |
| LB      | 191    | 203   | 228   | 237   | 268   | 272   | 292   | 322    |
| LBS     | 246    | 271   | 296   | 318   | 349   | 365   | 385   | 415    |



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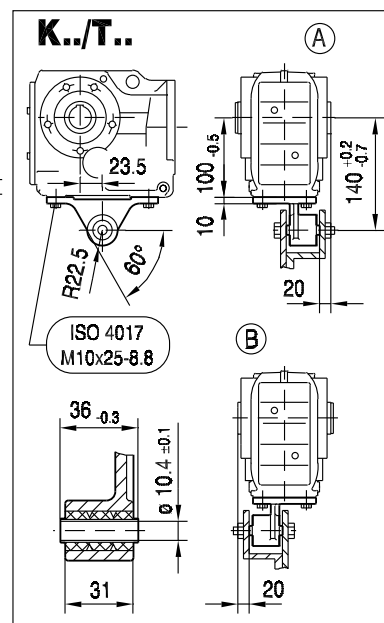
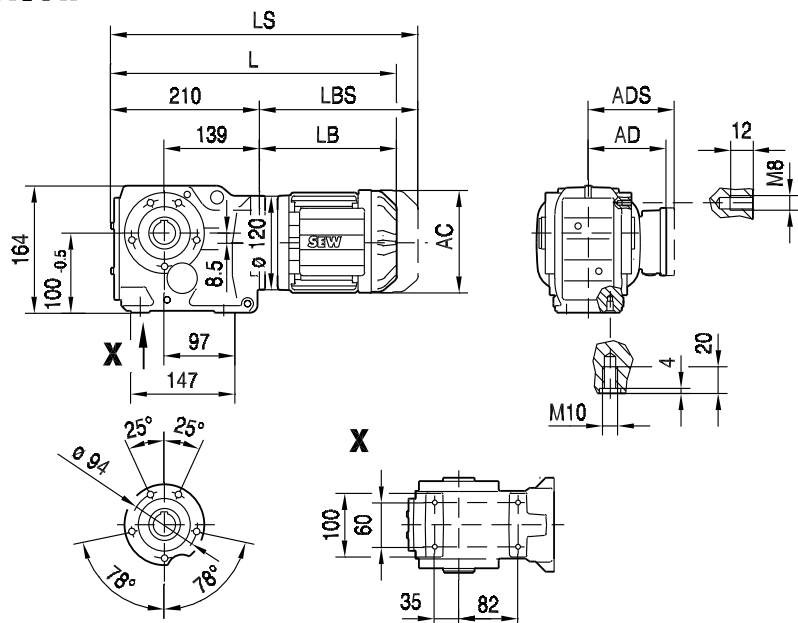
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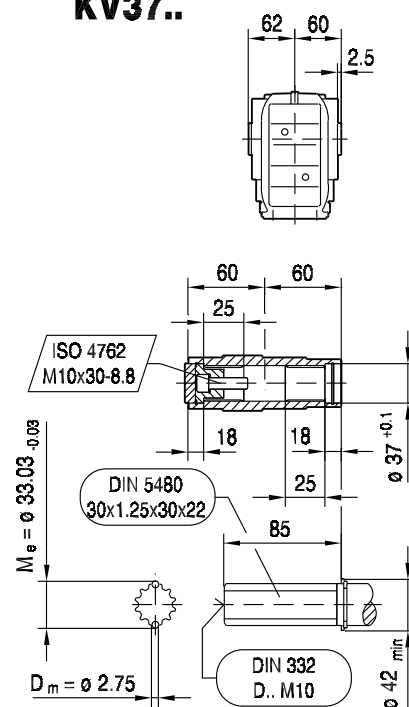
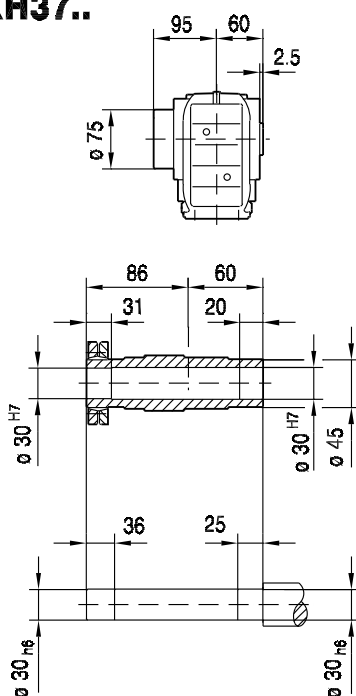
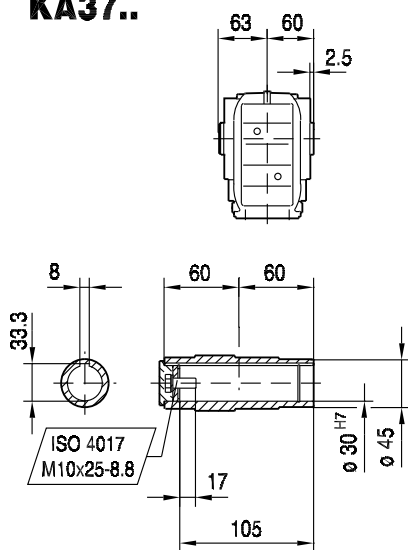
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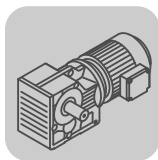
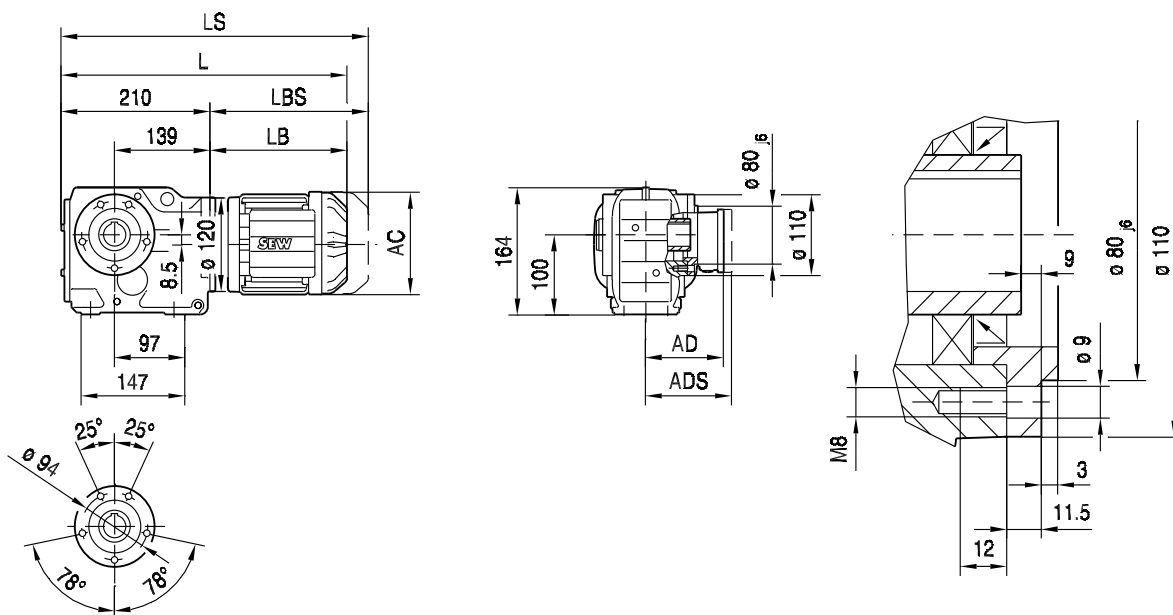
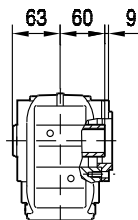
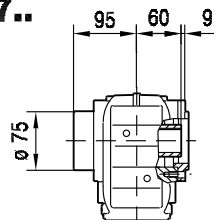
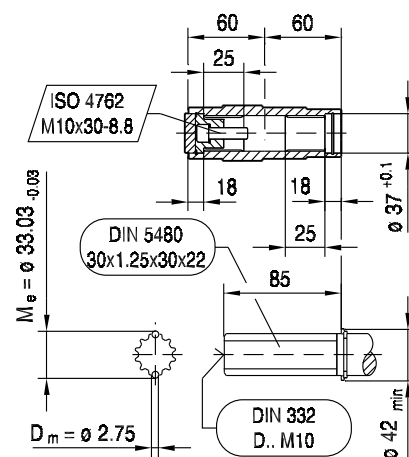
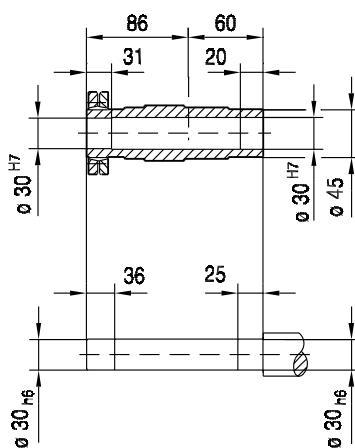
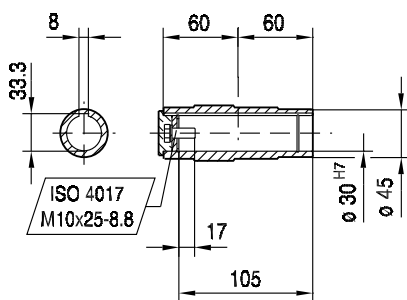
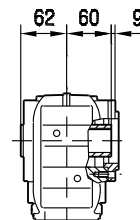
KH37..

KV37..



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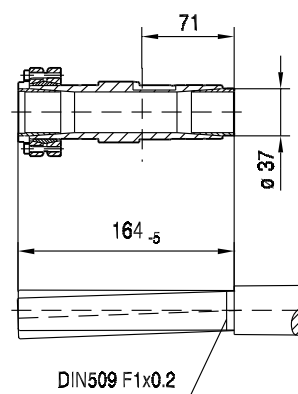
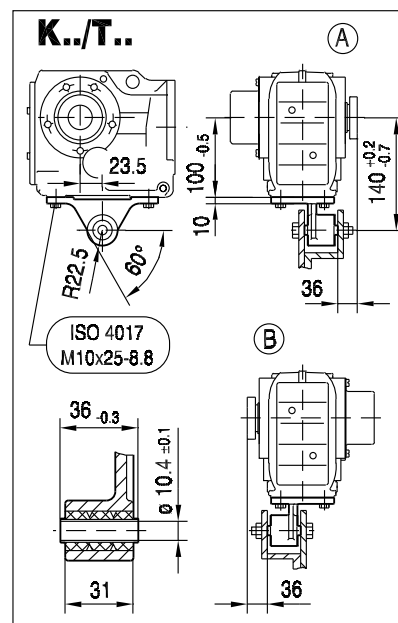
| (→ 131) | DR63.. | DR71S | DR71M | DR80S | DR80M | DR90M | DR90L | DR100M |
|---------|--------|-------|-------|-------|-------|-------|-------|--------|
| AC      | 132    | 139   | 139   | 156   | 156   | 179   | 179   | 197    |
| AD      | 105    | 119   | 119   | 128   | 128   | 140   | 140   | 157    |
| ADS     | 105    | 129   | 129   | 139   | 139   | 150   | 150   | 158    |
| L       | 401    | 413   | 438   | 447   | 478   | 482   | 502   | 532    |
| LS      | 456    | 481   | 506   | 528   | 559   | 575   | 595   | 625    |
| LB      | 191    | 203   | 228   | 237   | 268   | 272   | 292   | 322    |
| LBS     | 246    | 271   | 296   | 318   | 349   | 365   | 385   | 415    |

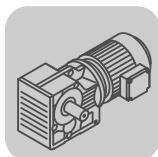
**KAZ37..****KAZ37..****KHZ37..****KVZ37..**

| (→ 131) | DR63.. | DR71S | DR71M | DR80S | DR80M | DR90M | DR90L | DR100M |
|---------|--------|-------|-------|-------|-------|-------|-------|--------|
| AC      | 132    | 139   | 139   | 156   | 156   | 179   | 179   | 197    |
| AD      | 105    | 119   | 119   | 128   | 128   | 140   | 140   | 157    |
| ADS     | 105    | 129   | 129   | 139   | 139   | 150   | 150   | 158    |
| L       | 401    | 413   | 438   | 447   | 478   | 482   | 502   | 532    |
| LS      | 456    | 481   | 506   | 528   | 559   | 575   | 595   | 625    |
| LB      | 191    | 203   | 228   | 237   | 268   | 272   | 292   | 322    |
| LBS     | 246    | 271   | 296   | 318   | 349   | 365   | 385   | 415    |



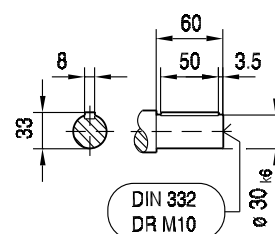
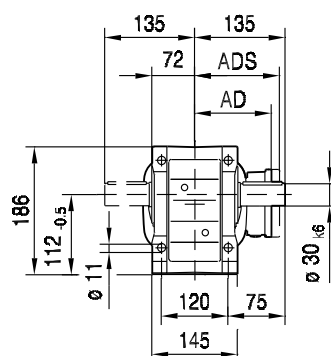
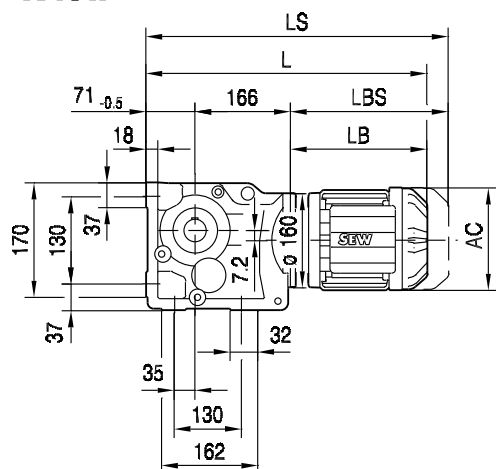
**33 082 00 06**

11

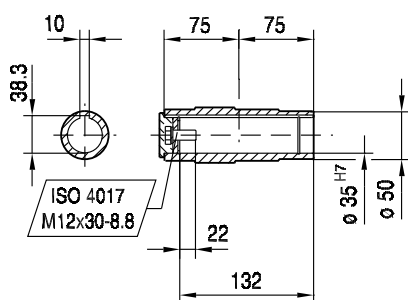
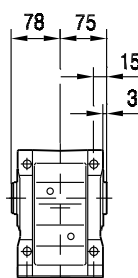


**33 083 00 06**

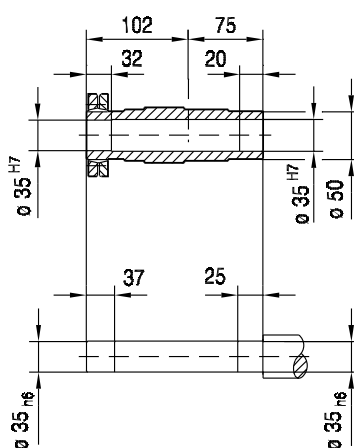
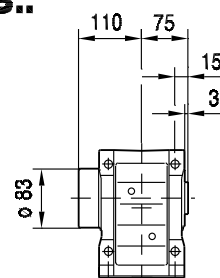
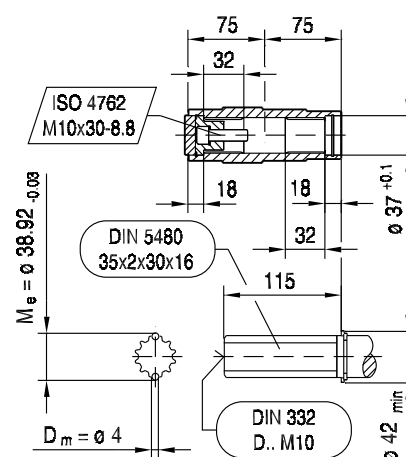
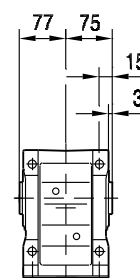
## K47...



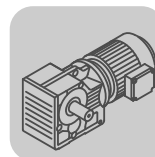
**KA47B..**



## KH47B..

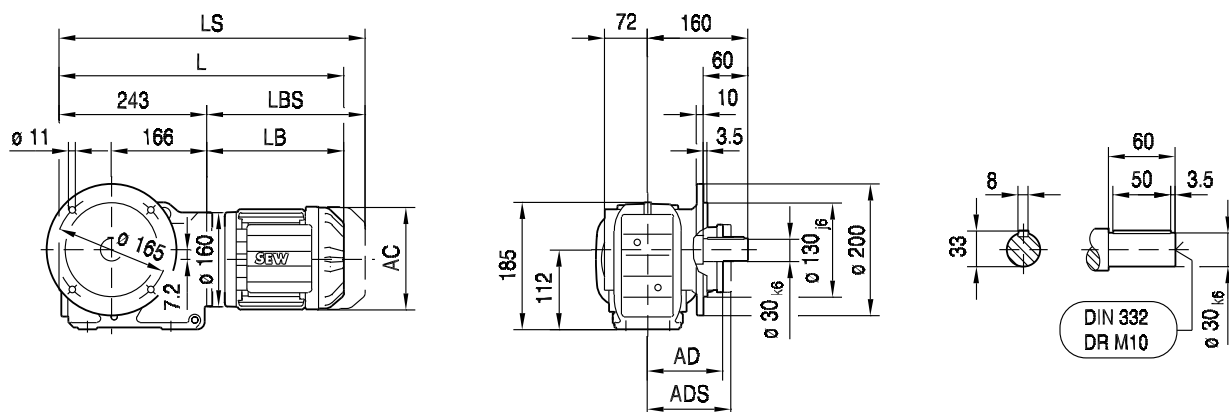
**KV47B..**

| (→  131) | DR63.. | DR71S | DR71M | DR80S | DR80M | DR90M | DR90L | DR100M |
|---------------------------------------------------------------------------------------------|--------|-------|-------|-------|-------|-------|-------|--------|
| AC                                                                                          | 132    | 139   | 139   | 156   | 156   | 179   | 179   | 197    |
| AD                                                                                          | 105    | 119   | 119   | 128   | 128   | 140   | 140   | 157    |
| ADS                                                                                         | 105    | 129   | 129   | 139   | 139   | 150   | 150   | 158    |
| L                                                                                           | 422    | 433   | 458   | 467   | 498   | 500   | 520   | 550    |
| LS                                                                                          | 477    | 501   | 526   | 548   | 579   | 593   | 613   | 643    |
| LB                                                                                          | 185    | 196   | 221   | 230   | 261   | 263   | 283   | 313    |
| LBS                                                                                         | 240    | 264   | 289   | 311   | 342   | 356   | 376   | 406    |



## KF47..

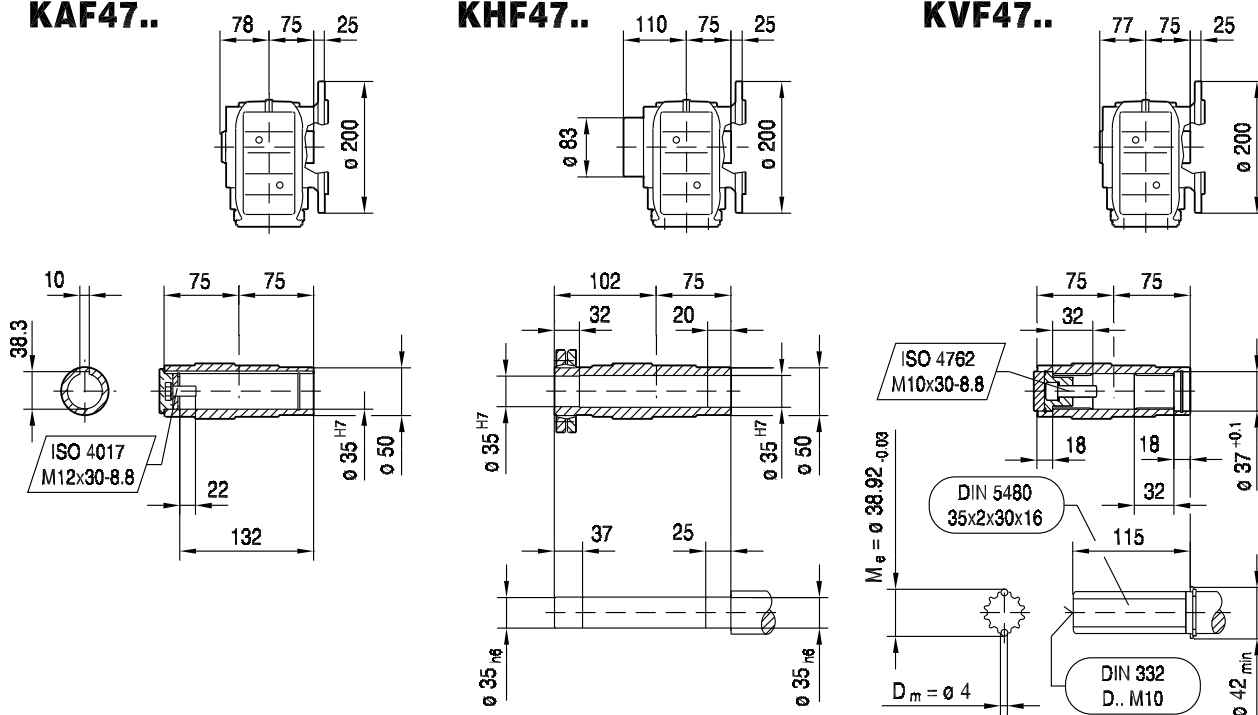
33 084 00 06<sup>L</sup>



## KAF47..

## KHF47..

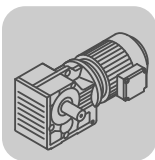
## KVF47..



11

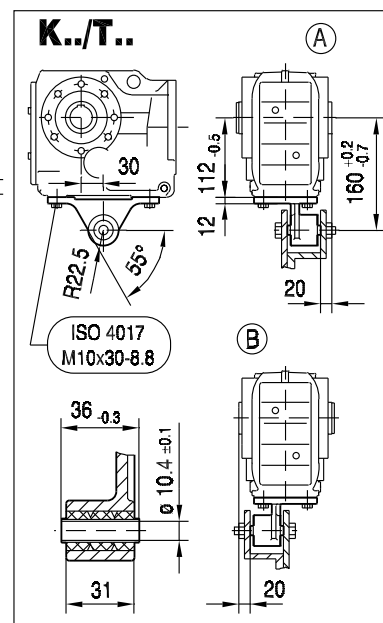
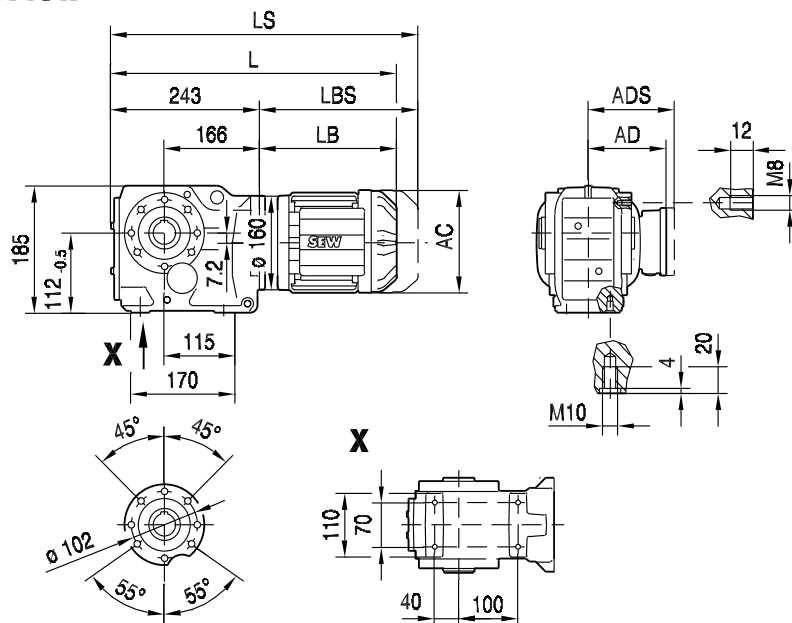
| (→ 131) | DR63.. | DR71S | DR71M | DR80S | DR80M | DR90M | DR90L | DR100M |
|---------|--------|-------|-------|-------|-------|-------|-------|--------|
| AC      | 132    | 139   | 139   | 156   | 156   | 179   | 179   | 197    |
| AD      | 105    | 119   | 119   | 128   | 128   | 140   | 140   | 157    |
| ADS     | 105    | 129   | 129   | 139   | 139   | 150   | 150   | 158    |
| L       | 428    | 439   | 464   | 473   | 504   | 506   | 526   | 556    |
| LS      | 483    | 507   | 532   | 554   | 585   | 599   | 619   | 649    |
| LB      | 185    | 196   | 221   | 230   | 261   | 263   | 283   | 313    |
| LBS     | 240    | 264   | 289   | 311   | 342   | 356   | 376   | 406    |



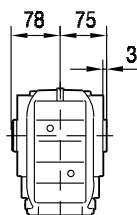


## KA47..

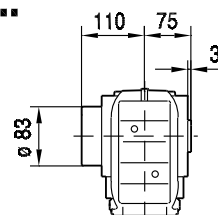
**33 085 00 06**



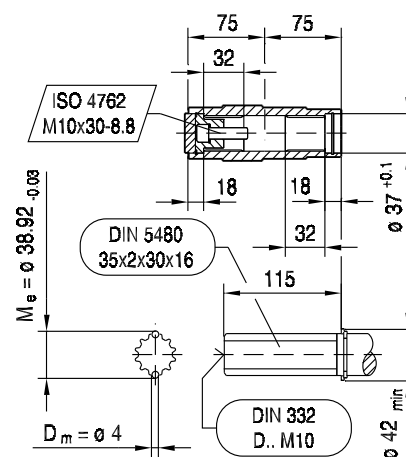
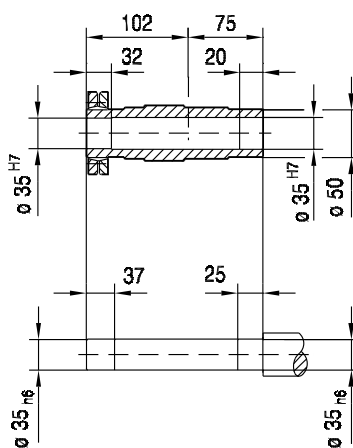
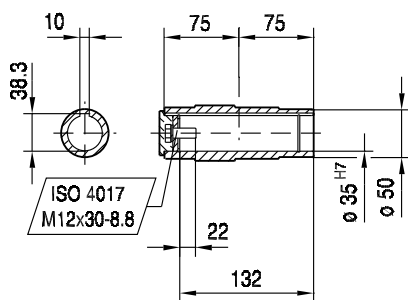
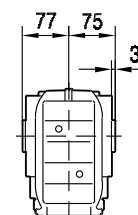
## KA47..



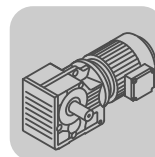
## KH47..



## KV47..

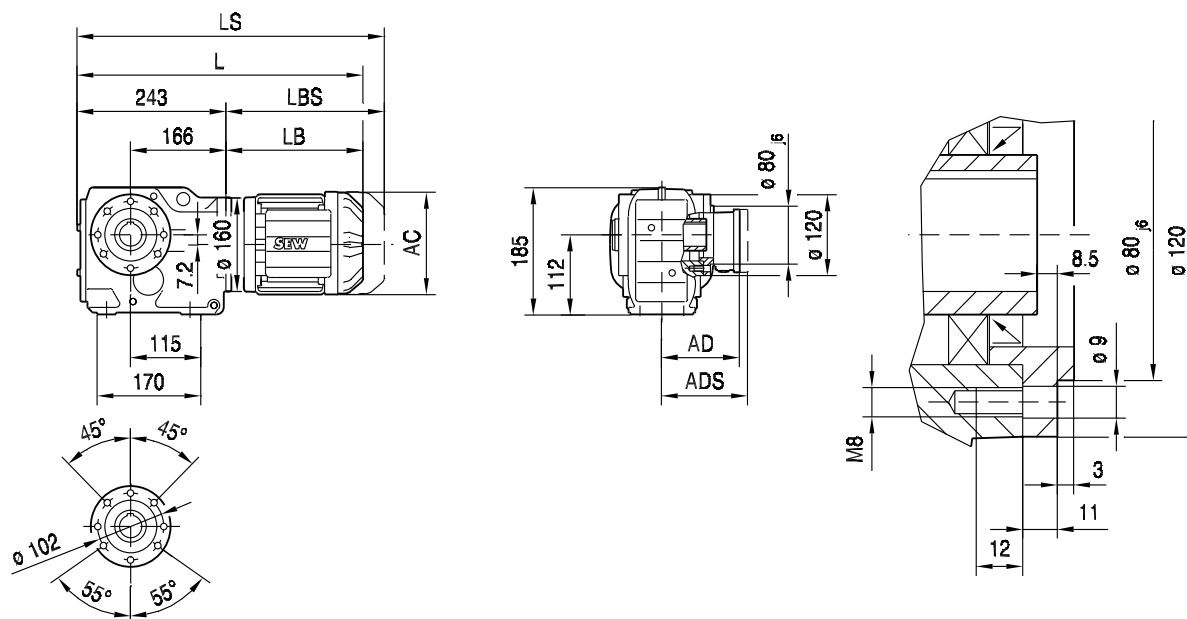


| (→  131) | DR63.. | DR71S | DR71M | DR80S | DR80M | DR90M | DR90L | DR100M |
|---------------------------------------------------------------------------------------------|--------|-------|-------|-------|-------|-------|-------|--------|
| AC                                                                                          | 132    | 139   | 139   | 156   | 156   | 179   | 179   | 197    |
| AD                                                                                          | 105    | 119   | 119   | 128   | 128   | 140   | 140   | 157    |
| ADS                                                                                         | 105    | 129   | 129   | 139   | 139   | 150   | 150   | 158    |
| L                                                                                           | 428    | 439   | 464   | 473   | 504   | 506   | 526   | 556    |
| LS                                                                                          | 483    | 507   | 532   | 554   | 585   | 599   | 619   | 649    |
| LB                                                                                          | 185    | 196   | 221   | 230   | 261   | 263   | 283   | 313    |
| LBS                                                                                         | 240    | 264   | 289   | 311   | 342   | 356   | 376   | 406    |

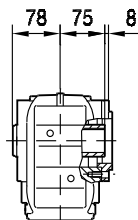


## KAZ47..

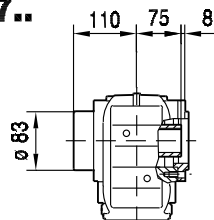
33 086 00 06<sup>L</sup>



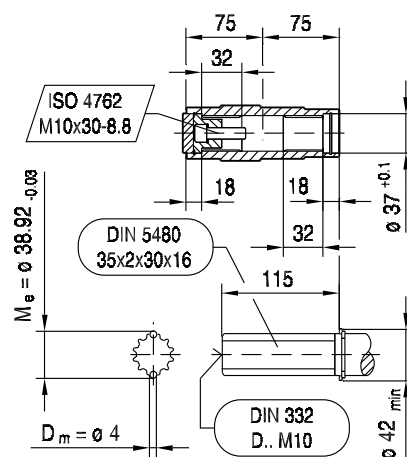
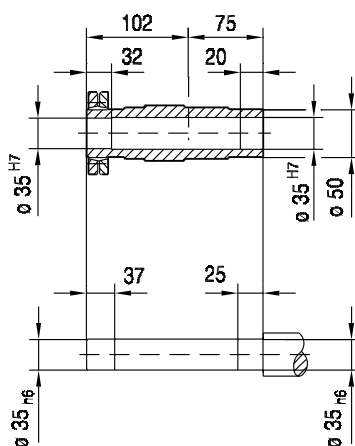
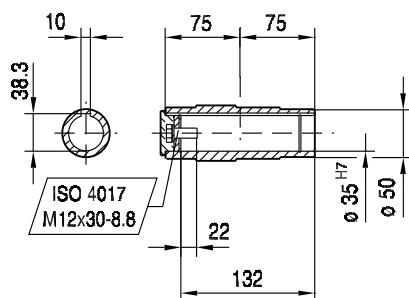
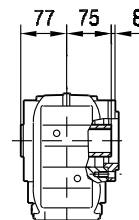
## KAZ47..



## KHZ47..

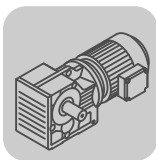
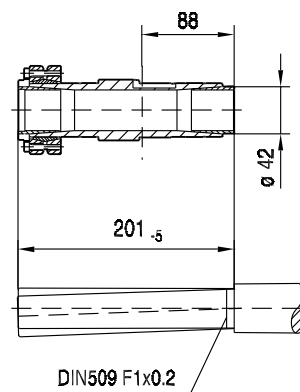
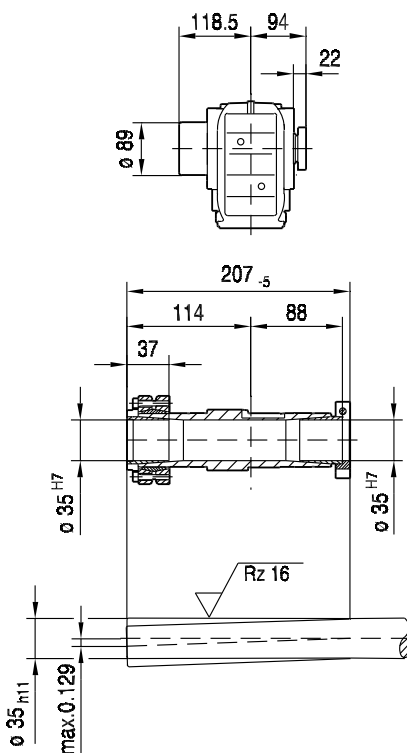
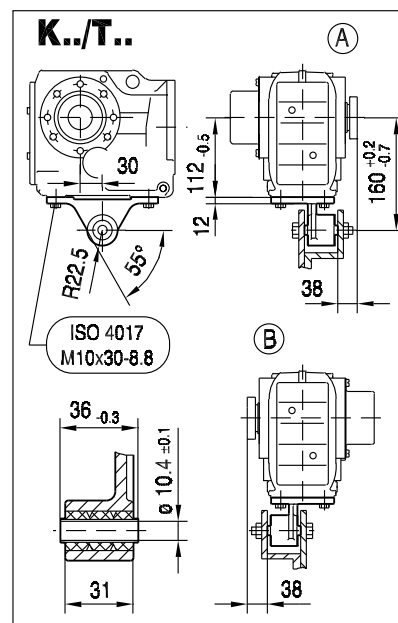
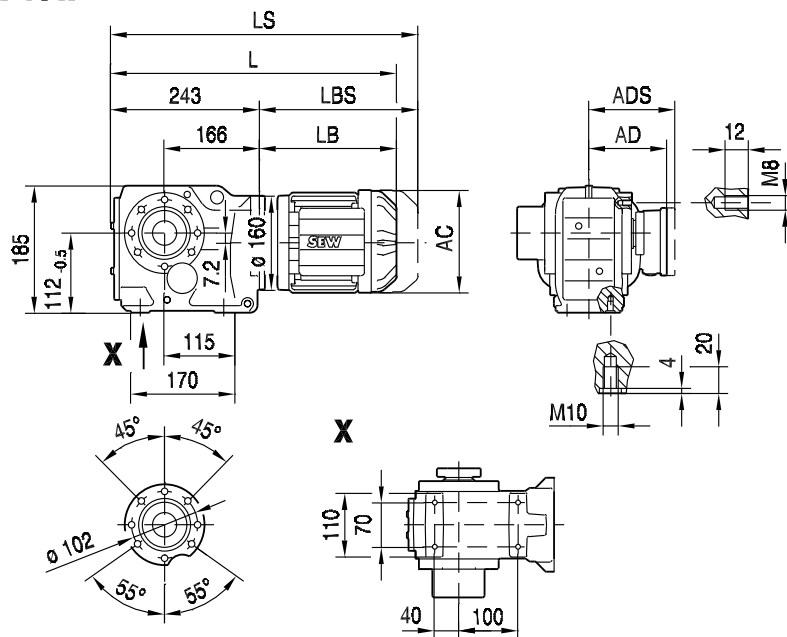


## KVZ47..



11

| (→ 131) | DR63.. | DR71S | DR71M | DR80S | DR80M | DR90M | DR90L | DR100M |
|---------|--------|-------|-------|-------|-------|-------|-------|--------|
| AC      | 132    | 139   | 139   | 156   | 156   | 179   | 179   | 197    |
| AD      | 105    | 119   | 119   | 128   | 128   | 140   | 140   | 157    |
| ADS     | 105    | 129   | 129   | 139   | 139   | 150   | 150   | 158    |
| L       | 428    | 439   | 464   | 473   | 504   | 506   | 526   | 556    |
| LS      | 483    | 507   | 532   | 554   | 585   | 599   | 619   | 649    |
| LB      | 185    | 196   | 221   | 230   | 261   | 263   | 283   | 313    |
| LBS     | 240    | 264   | 289   | 311   | 342   | 356   | 376   | 406    |

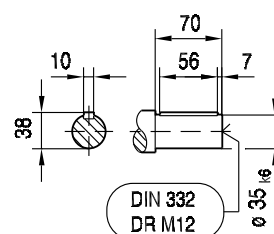
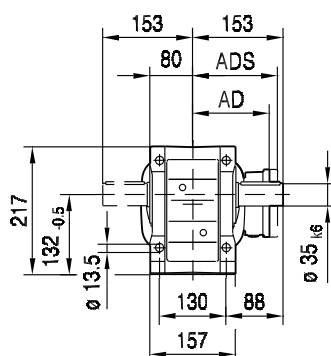
**KT47..****33 087 00 06**

| (→ 131) | DR63.. | DR71S | DR71M | DR80S | DR80M | DR90M | DR90L | DR100M |
|---------|--------|-------|-------|-------|-------|-------|-------|--------|
| AC      | 132    | 139   | 139   | 156   | 156   | 179   | 179   | 197    |
| AD      | 105    | 119   | 119   | 128   | 128   | 140   | 140   | 157    |
| ADS     | 105    | 129   | 129   | 139   | 139   | 150   | 150   | 158    |
| L       | 428    | 439   | 464   | 473   | 504   | 506   | 526   | 556    |
| LS      | 483    | 507   | 532   | 554   | 585   | 599   | 619   | 649    |
| LB      | 185    | 196   | 221   | 230   | 261   | 263   | 283   | 313    |
| LBS     | 240    | 264   | 289   | 311   | 342   | 356   | 376   | 406    |



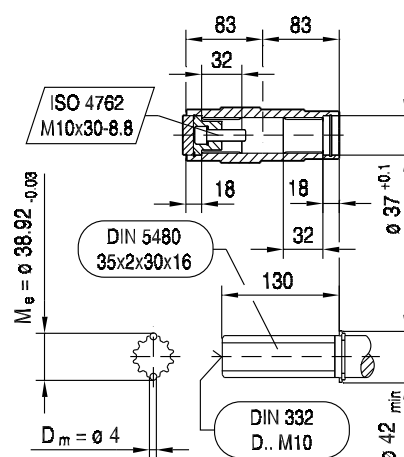
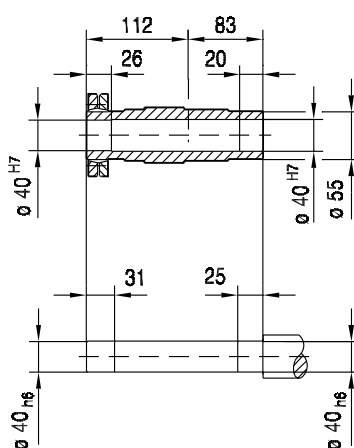
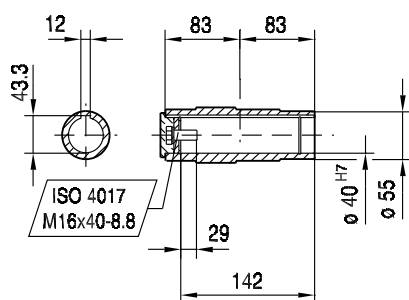
Technical drawing of a motor assembly showing dimensions and labels. The drawing includes the following dimensions and labels:

- Dimensions:**
  - Horizontal dimensions: 80<sub>-0.5</sub>, 173, 21, 13.1, 160, 40, 130, 172.
  - Vertical dimensions: 190, 150, 43, 45, 30.
  - Overall dimensions: LS, L, LBS, LB, AC.
- Labels:**
  - SEW (on the motor housing)
  - 0 (on the motor housing)

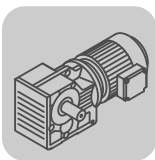


Technical drawing of the front view of a mechanical part. The drawing shows a rectangular component with a central rectangular cutout. Dimensions are indicated: 86 (total width), 83 (width of the central cutout), 18 (height of the central cutout), and 3 (height of the bottom flange). The drawing includes a central vertical axis line and four circular features (likely holes) arranged in a 2x2 grid within the central cutout area.

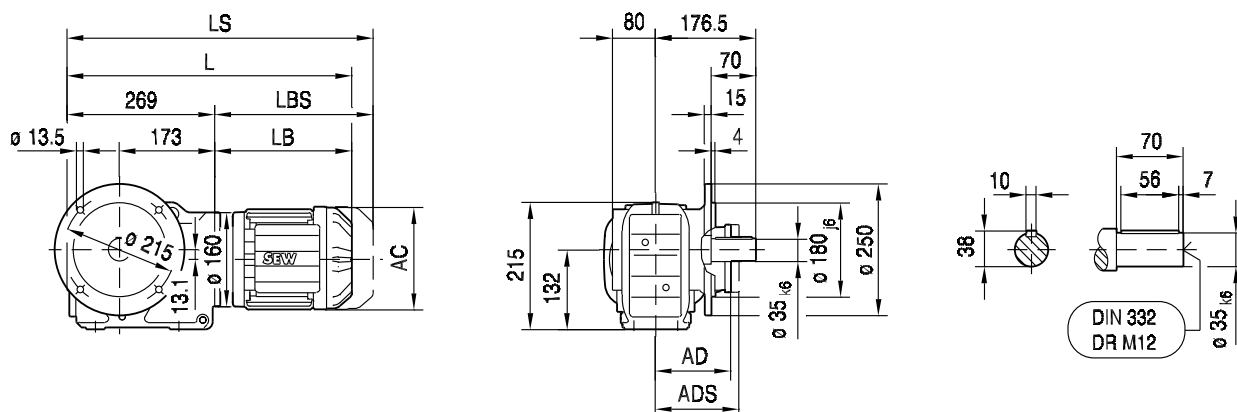
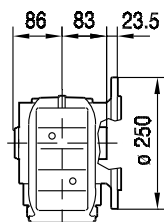
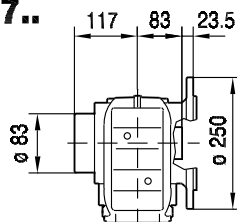
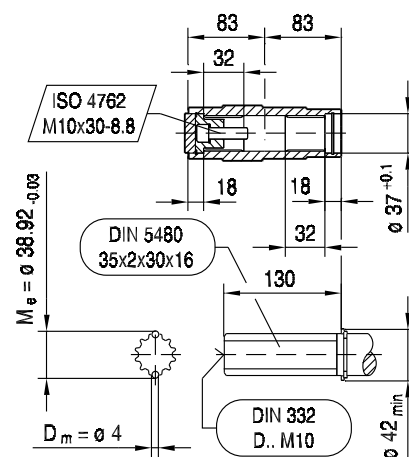
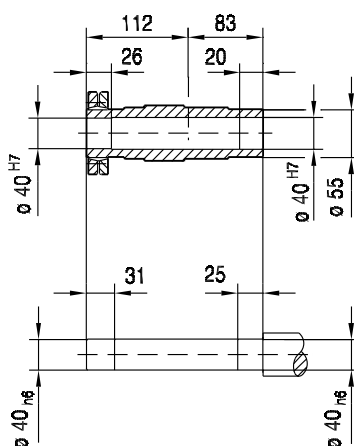
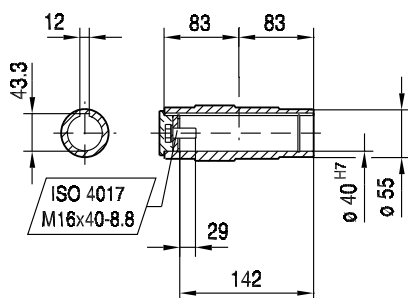
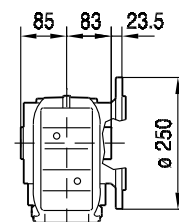
Technical drawing of the front view of a mechanical component. The drawing shows a rectangular base with a central rectangular cutout. The overall width is 85, and the width of the central cutout is 83. The height of the base is 18, and the height of the central cutout is 3. The drawing includes dimension lines and arrows indicating the measurements.



| (→  131) | DR63.. | DR71S | DR71M | DR80S | DR80M | DR90M | DR90L | DR100M | DR100L/LC |
|---------------------------------------------------------------------------------------------|--------|-------|-------|-------|-------|-------|-------|--------|-----------|
| <b>AC</b>                                                                                   | 132    | 139   | 139   | 156   | 156   | 179   | 179   | 197    | 197       |
| <b>AD</b>                                                                                   | 105    | 119   | 119   | 128   | 128   | 140   | 140   | 157    | 157       |
| <b>ADS</b>                                                                                  | 105    | 129   | 129   | 139   | 139   | 150   | 150   | 158    | 158       |
| <b>L</b>                                                                                    | 438    | 449   | 474   | 483   | 514   | 516   | 536   | 566    | 596       |
| <b>LS</b>                                                                                   | 493    | 517   | 542   | 564   | 595   | 609   | 629   | 659    | 689       |
| <b>LB</b>                                                                                   | 185    | 196   | 221   | 230   | 261   | 263   | 283   | 313    | 343       |
| <b>LBS</b>                                                                                  | 240    | 264   | 289   | 311   | 342   | 356   | 376   | 406    | 436       |



33 089 00 06

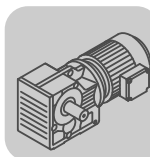
**KF57..****KAF57..****KHF57..****KVF57..**

| (→ 131) | DR63.. | DR71S | DR71M | DR80S | DR80M | DR90M | DR90L | DR100M | DR100L/LC |
|---------|--------|-------|-------|-------|-------|-------|-------|--------|-----------|
| AC      | 132    | 139   | 139   | 156   | 156   | 179   | 179   | 197    | 197       |
| AD      | 105    | 119   | 119   | 128   | 128   | 140   | 140   | 157    | 157       |
| ADS     | 105    | 129   | 129   | 139   | 139   | 150   | 150   | 158    | 158       |
| L       | 454    | 465   | 490   | 499   | 530   | 532   | 552   | 582    | 612       |
| LS      | 509    | 533   | 558   | 580   | 611   | 625   | 645   | 675    | 705       |
| LB      | 185    | 196   | 221   | 230   | 261   | 263   | 283   | 313    | 343       |
| LBS     | 240    | 264   | 289   | 311   | 342   | 356   | 376   | 406    | 436       |



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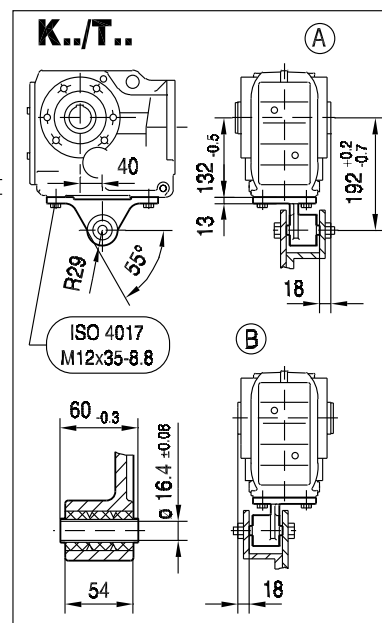
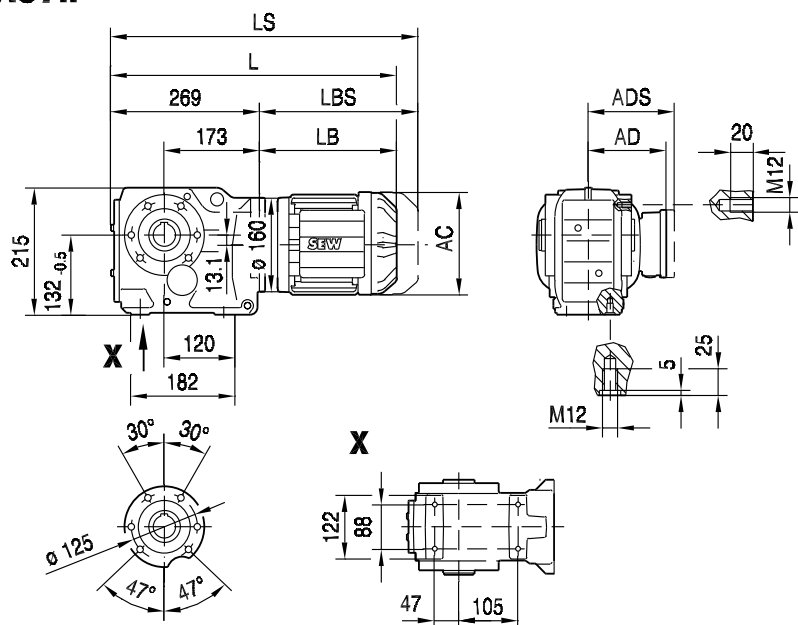
K..DRS  
K..DRS [mm]



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KA57..

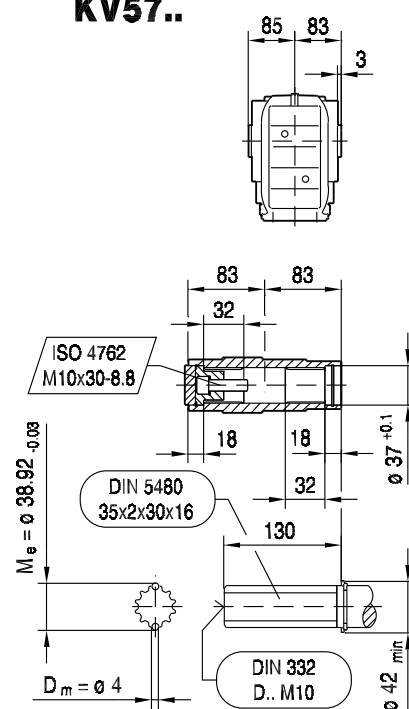
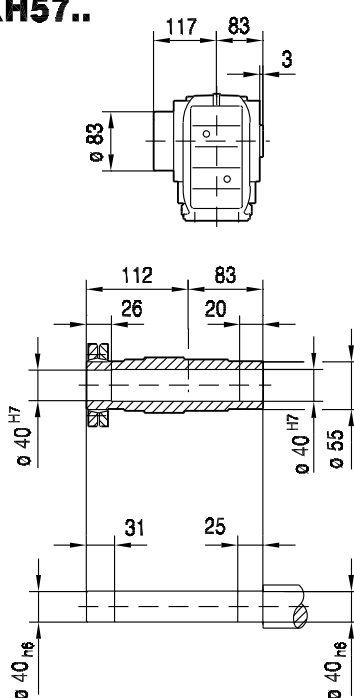
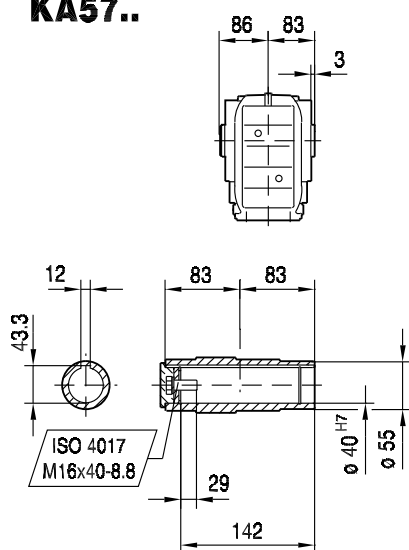
33 090 00 06



KA57..

KH57..

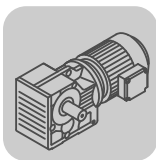
KV57..



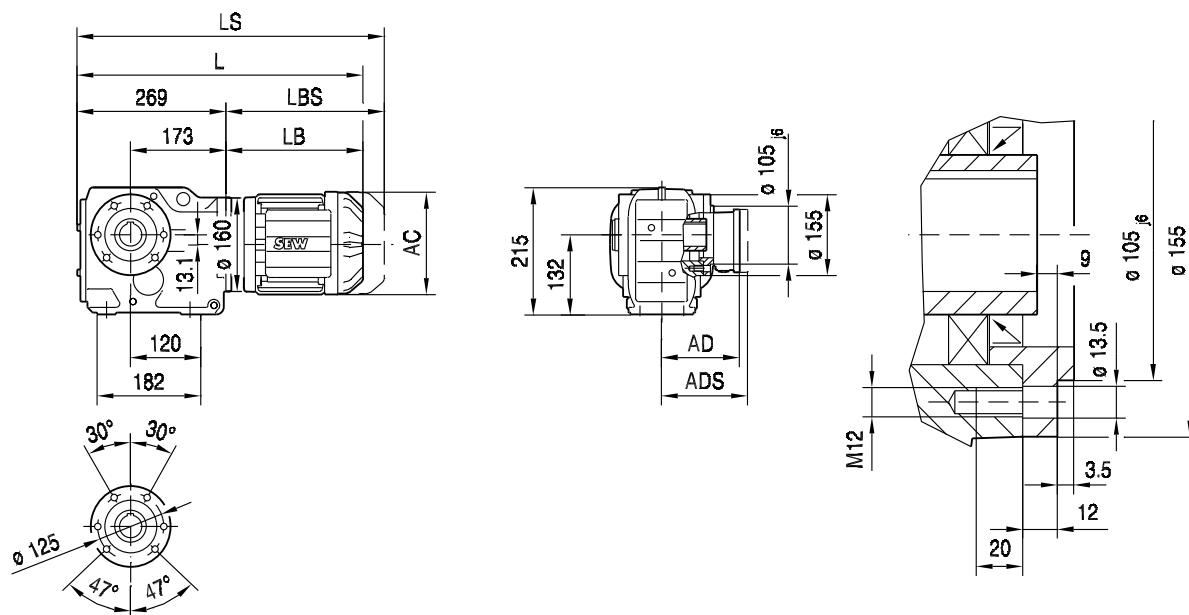
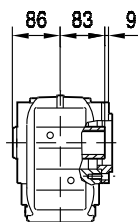
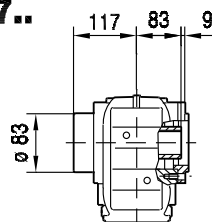
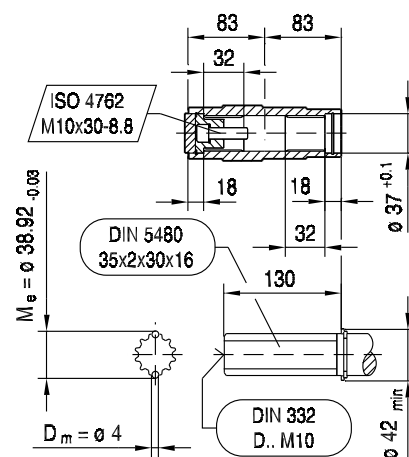
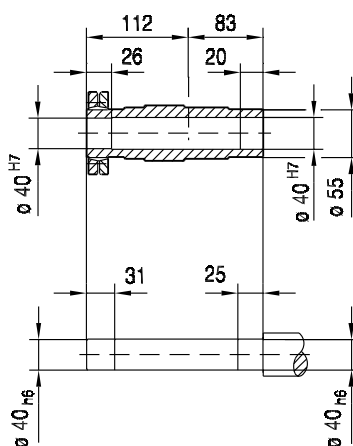
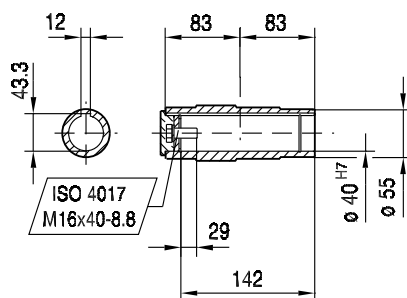
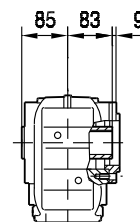
11

| (→ 131) | DR63.. | DR71S | DR71M | DR80S | DR80M | DR90M | DR90L | DR100M | DR100L/LC |
|---------|--------|-------|-------|-------|-------|-------|-------|--------|-----------|
| AC      | 132    | 139   | 139   | 156   | 156   | 179   | 179   | 197    | 197       |
| AD      | 105    | 119   | 119   | 128   | 128   | 140   | 140   | 157    | 157       |
| ADS     | 105    | 129   | 129   | 139   | 139   | 150   | 150   | 158    | 158       |
| L       | 454    | 465   | 490   | 499   | 530   | 532   | 552   | 582    | 612       |
| LS      | 509    | 533   | 558   | 580   | 611   | 625   | 645   | 675    | 705       |
| LB      | 185    | 196   | 221   | 230   | 261   | 263   | 283   | 313    | 343       |
| LBS     | 240    | 264   | 289   | 311   | 342   | 356   | 376   | 406    | 436       |





33 091 00 06

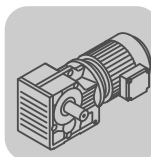
**KAZ57..****KAZ57..****KHZ57..****KVZ57..**

| (→ 131) | DR63.. | DR71S | DR71M | DR80S | DR80M | DR90M | DR90L | DR100M | DR100L/LC |
|---------|--------|-------|-------|-------|-------|-------|-------|--------|-----------|
| AC      | 132    | 139   | 139   | 156   | 156   | 179   | 179   | 197    | 197       |
| AD      | 105    | 119   | 119   | 128   | 128   | 140   | 140   | 157    | 157       |
| ADS     | 105    | 129   | 129   | 139   | 139   | 150   | 150   | 158    | 158       |
| L       | 454    | 465   | 490   | 499   | 530   | 532   | 552   | 582    | 612       |
| LS      | 509    | 533   | 558   | 580   | 611   | 625   | 645   | 675    | 705       |
| LB      | 185    | 196   | 221   | 230   | 261   | 263   | 283   | 313    | 343       |
| LBS     | 240    | 264   | 289   | 311   | 342   | 356   | 376   | 406    | 436       |



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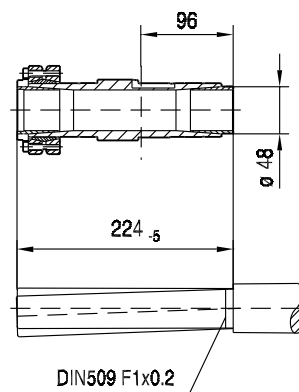
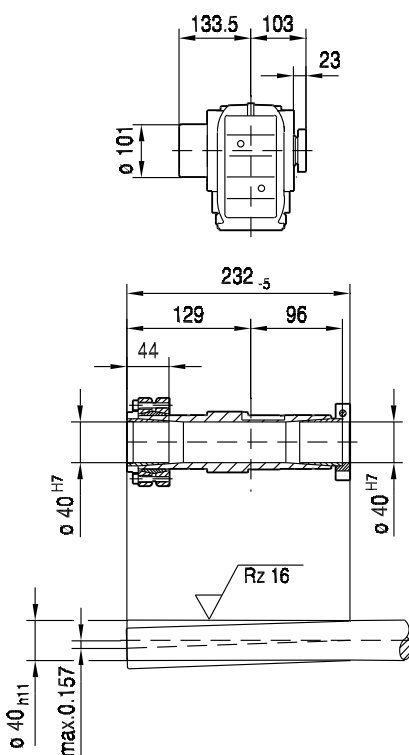
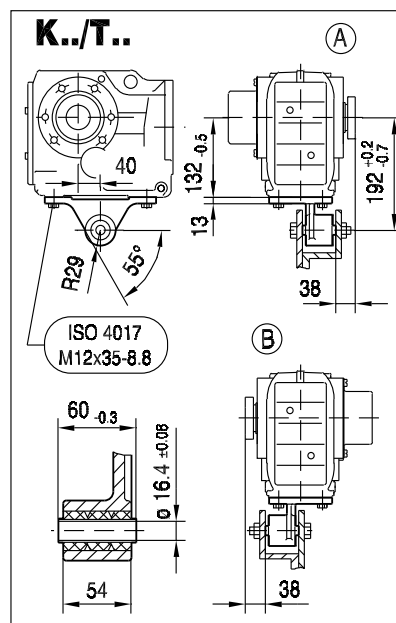
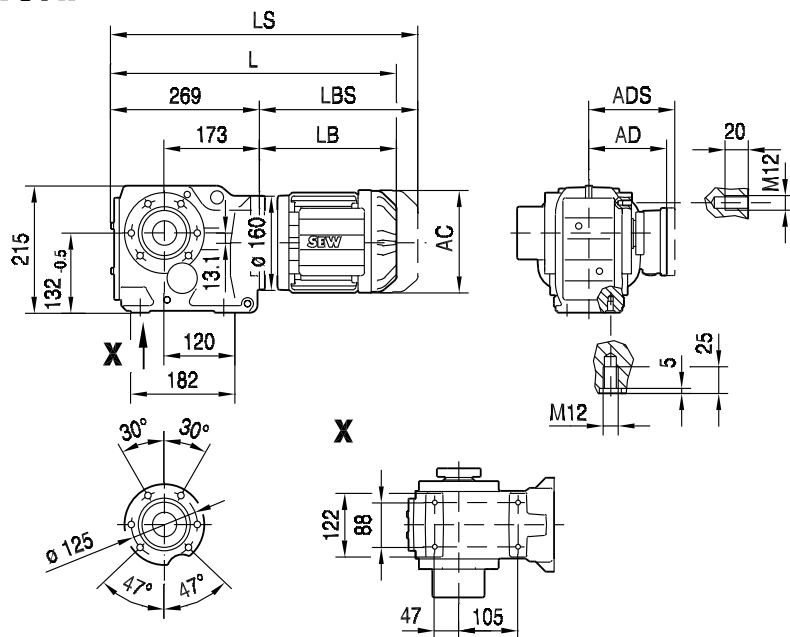
K..DRS  
K..DRS [mm]



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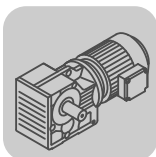
KT57..

33 092 00 06



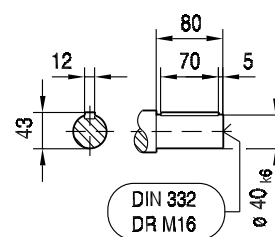
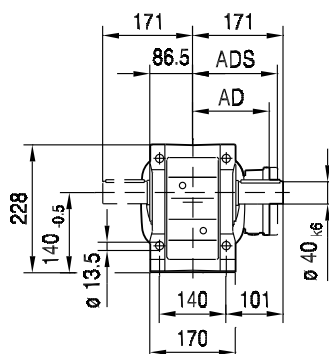
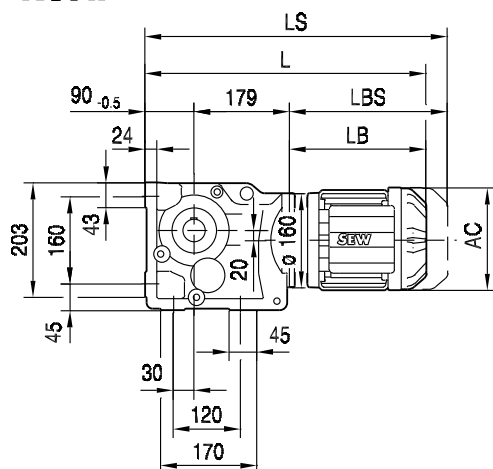
11

| (→ 131) | DR63.. | DR71S | DR71M | DR80S | DR80M | DR90M | DR90L | DR100M | DR100L/LC |
|---------|--------|-------|-------|-------|-------|-------|-------|--------|-----------|
| AC      | 132    | 139   | 139   | 156   | 156   | 179   | 179   | 197    | 197       |
| AD      | 105    | 119   | 119   | 128   | 128   | 140   | 140   | 157    | 157       |
| ADS     | 105    | 129   | 129   | 139   | 139   | 150   | 150   | 158    | 158       |
| L       | 454    | 465   | 490   | 499   | 530   | 532   | 552   | 582    | 612       |
| LS      | 509    | 533   | 558   | 580   | 611   | 625   | 645   | 675    | 705       |
| LB      | 185    | 196   | 221   | 230   | 261   | 263   | 283   | 313    | 343       |
| LBS     | 240    | 264   | 289   | 311   | 342   | 356   | 376   | 406    | 436       |

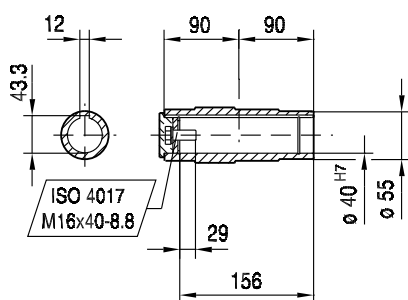
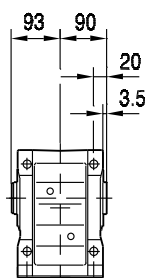


33 093 00 06

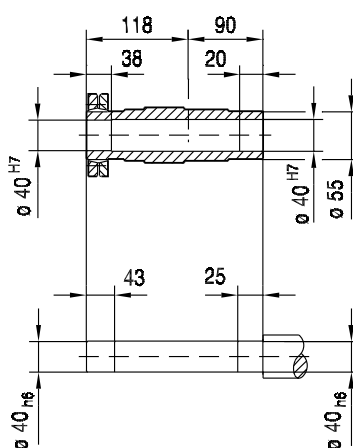
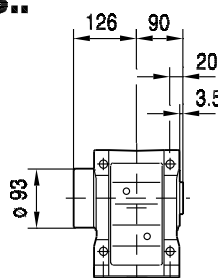
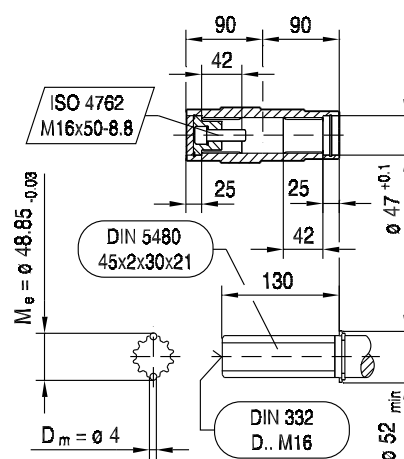
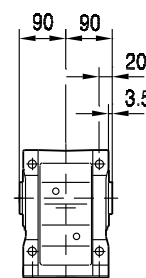
**K67..**



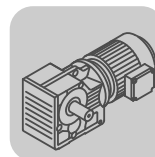
# KA67B..



## KH67B..

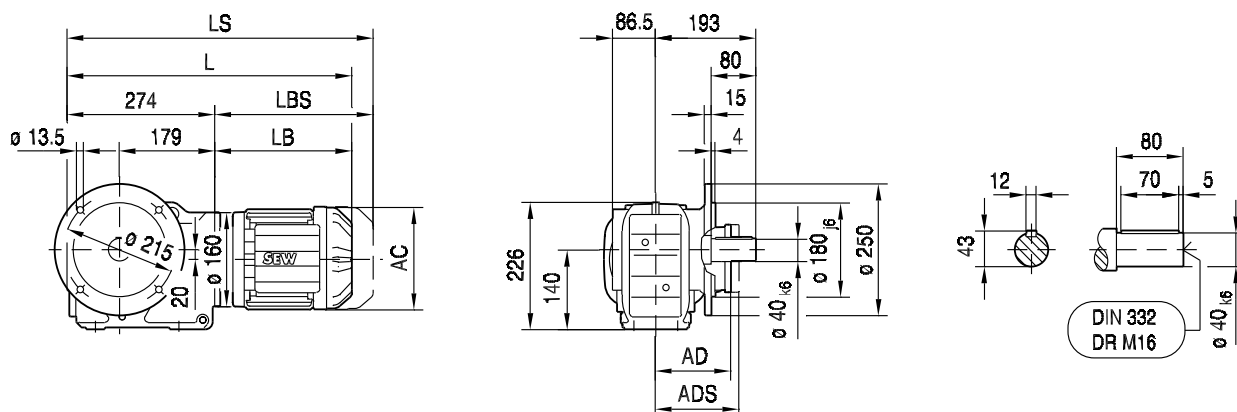
**KV67B..**

| (→  131) | DR63.. | DR71S | DR71M | DR80S | DR80M | DR90M | DR90L | DR100M | DR100L/LC | DR132S |
|---------------------------------------------------------------------------------------------|--------|-------|-------|-------|-------|-------|-------|--------|-----------|--------|
| <b>AC</b>                                                                                   | 132    | 139   | 139   | 156   | 156   | 179   | 179   | 197    | 197       | 221    |
| <b>AD</b>                                                                                   | 105    | 119   | 119   | 128   | 128   | 140   | 140   | 157    | 157       | 170    |
| <b>ADS</b>                                                                                  | 105    | 129   | 129   | 139   | 139   | 150   | 150   | 158    | 158       | 172    |
| <b>L</b>                                                                                    | 454    | 465   | 490   | 499   | 530   | 532   | 552   | 582    | 612       | 659    |
| <b>LS</b>                                                                                   | 509    | 533   | 558   | 580   | 611   | 625   | 645   | 675    | 705       | 771    |
| <b>LB</b>                                                                                   | 185    | 196   | 221   | 230   | 261   | 263   | 283   | 313    | 343       | 390    |
| <b>LBS</b>                                                                                  | 240    | 264   | 289   | 311   | 342   | 356   | 376   | 406    | 436       | 502    |



## KF67..

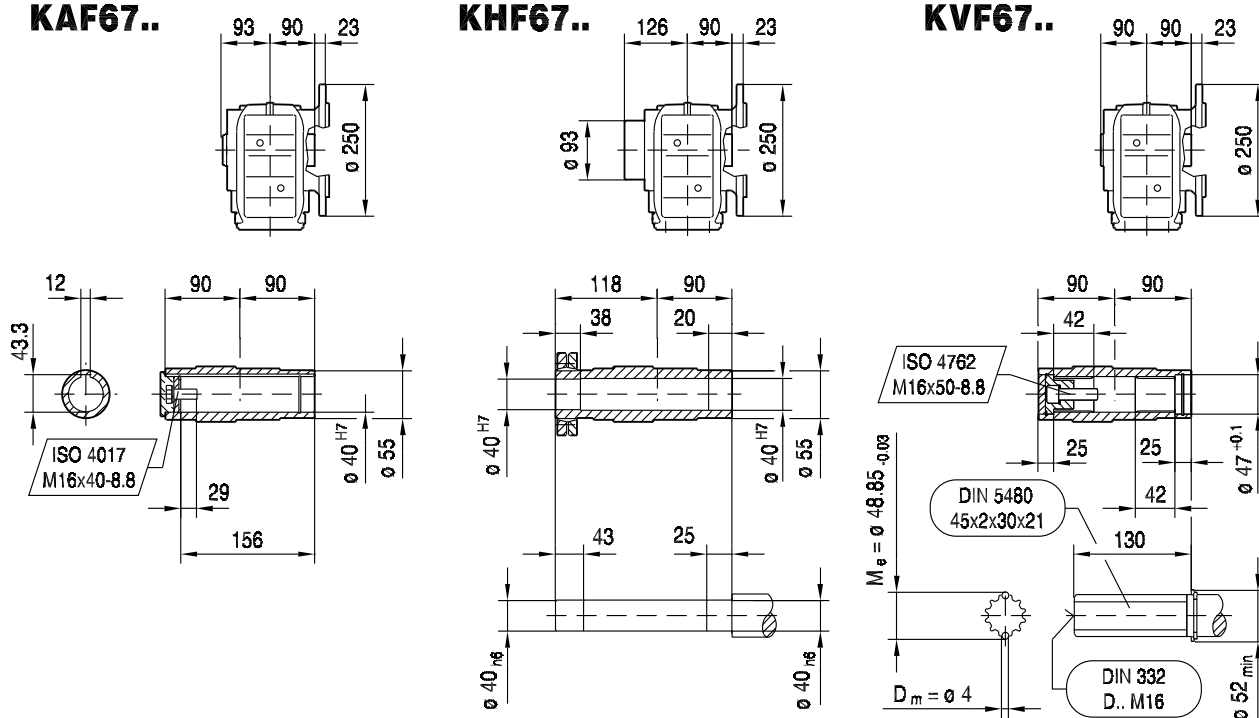
33 094 00 06<sup>L</sup>



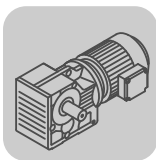
## KAF67..

## KHF67..

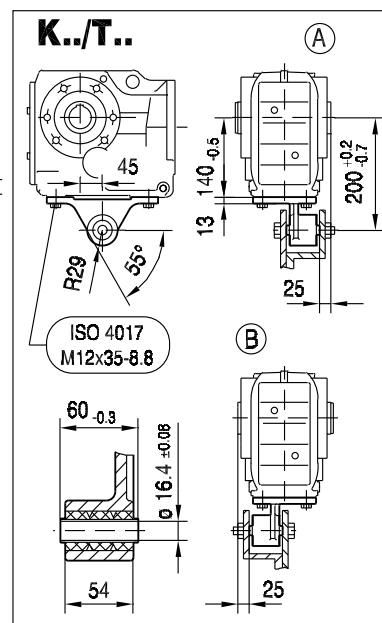
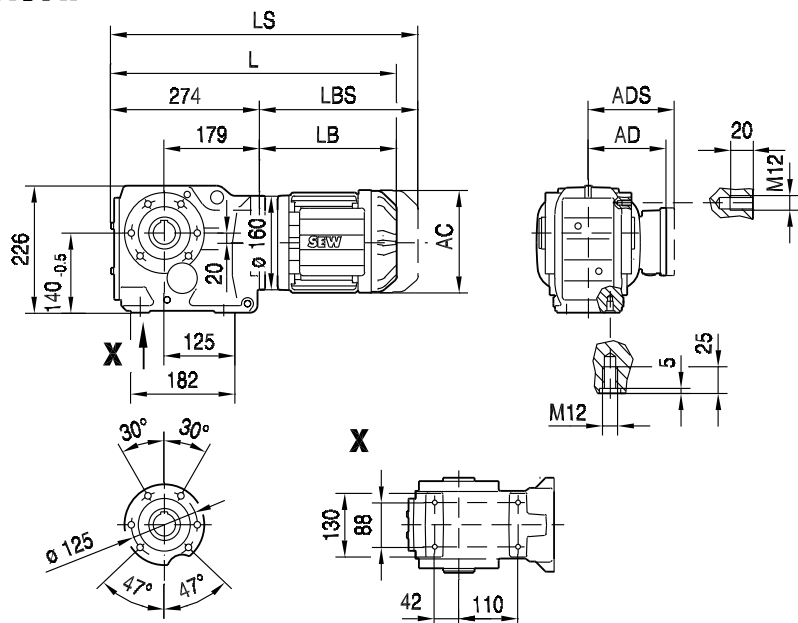
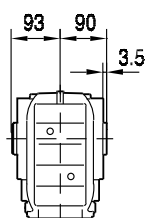
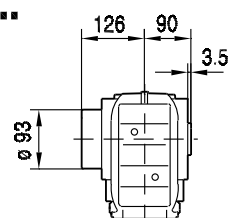
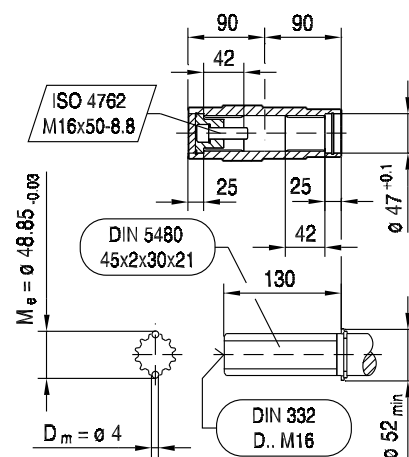
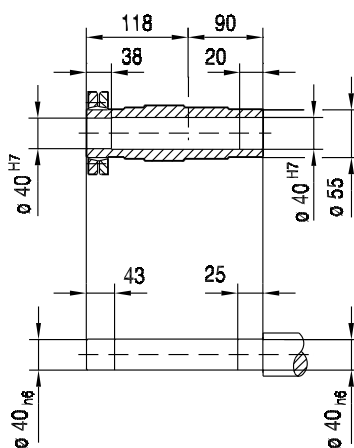
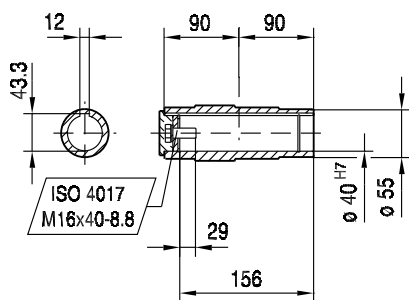
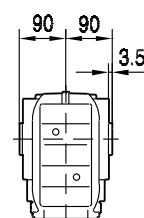
## KVF67..



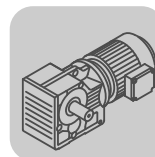
| (→ 131) | DR63.. | DR71S | DR71M | DR80S | DR80M | DR90M | DR90L | DR100M | DR100L/LC | DR132S |
|---------|--------|-------|-------|-------|-------|-------|-------|--------|-----------|--------|
| AC      | 132    | 139   | 139   | 156   | 156   | 179   | 179   | 197    | 197       | 221    |
| AD      | 105    | 119   | 119   | 128   | 128   | 140   | 140   | 157    | 157       | 170    |
| ADS     | 105    | 129   | 129   | 139   | 139   | 150   | 150   | 158    | 158       | 172    |
| L       | 459    | 470   | 495   | 504   | 535   | 537   | 557   | 587    | 617       | 664    |
| LS      | 514    | 538   | 563   | 585   | 616   | 630   | 650   | 680    | 710       | 776    |
| LB      | 185    | 196   | 221   | 230   | 261   | 263   | 283   | 313    | 343       | 390    |
| LBS     | 240    | 264   | 289   | 311   | 342   | 356   | 376   | 406    | 436       | 502    |



33 095 00 06

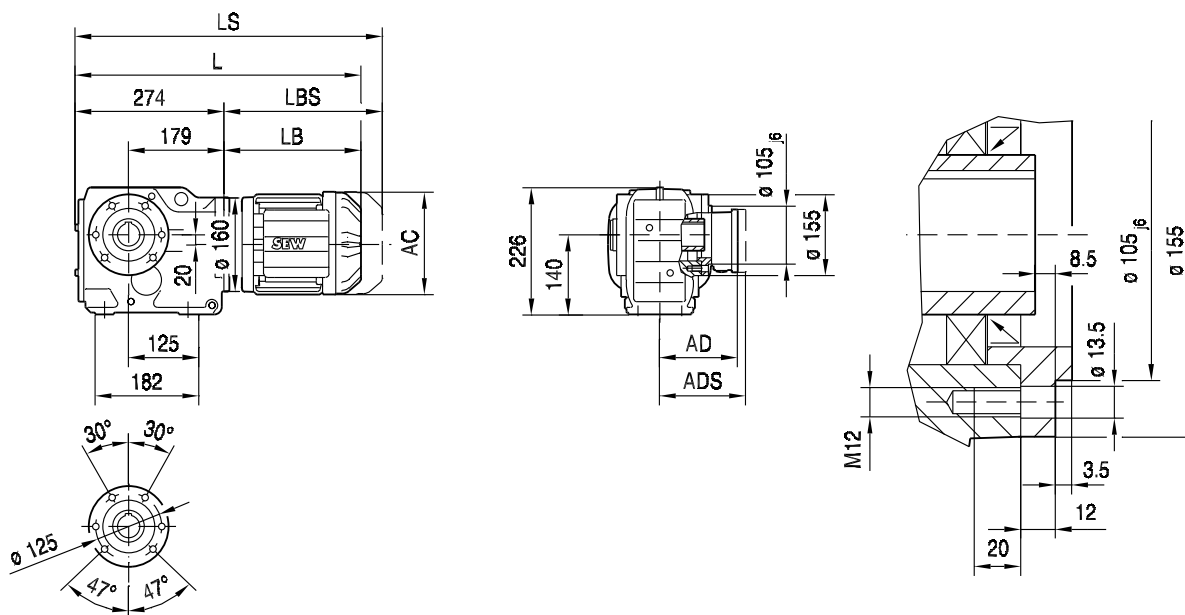
**KA67..****KA67..****KH67..****KV67..**

| (→ 131) | DR63.. | DR71S | DR71M | DR80S | DR80M | DR90M | DR90L | DR100M | DR100L/LC | DR132S |
|---------|--------|-------|-------|-------|-------|-------|-------|--------|-----------|--------|
| AC      | 132    | 139   | 139   | 156   | 156   | 179   | 179   | 197    | 197       | 221    |
| AD      | 105    | 119   | 119   | 128   | 128   | 140   | 140   | 157    | 157       | 170    |
| ADS     | 105    | 129   | 129   | 139   | 139   | 150   | 150   | 158    | 158       | 172    |
| L       | 459    | 470   | 495   | 504   | 535   | 537   | 557   | 587    | 617       | 664    |
| LS      | 514    | 538   | 563   | 585   | 616   | 630   | 650   | 680    | 710       | 776    |
| LB      | 185    | 196   | 221   | 230   | 261   | 263   | 283   | 313    | 343       | 390    |
| LBS     | 240    | 264   | 289   | 311   | 342   | 356   | 376   | 406    | 436       | 502    |



## KAZ67..

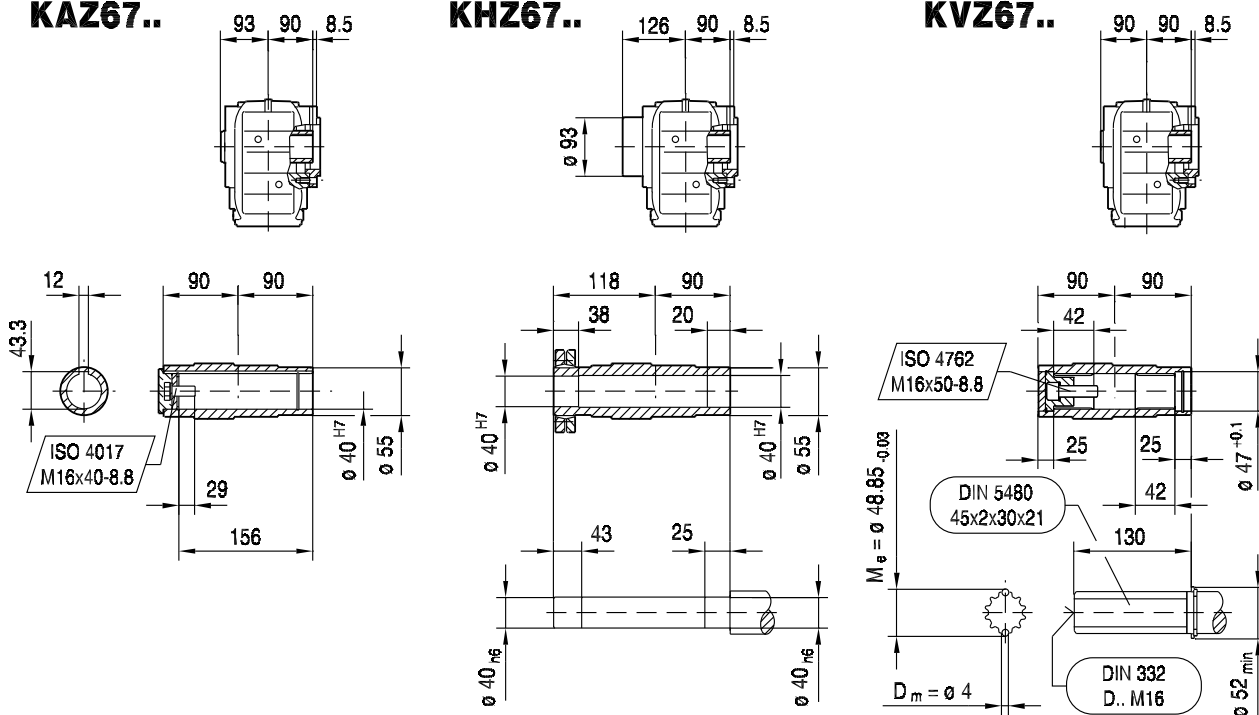
33 096 00 06



## KAZ67..

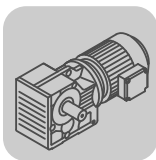
## KHZ67..

## KVZ67..

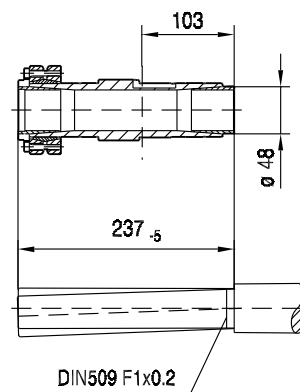
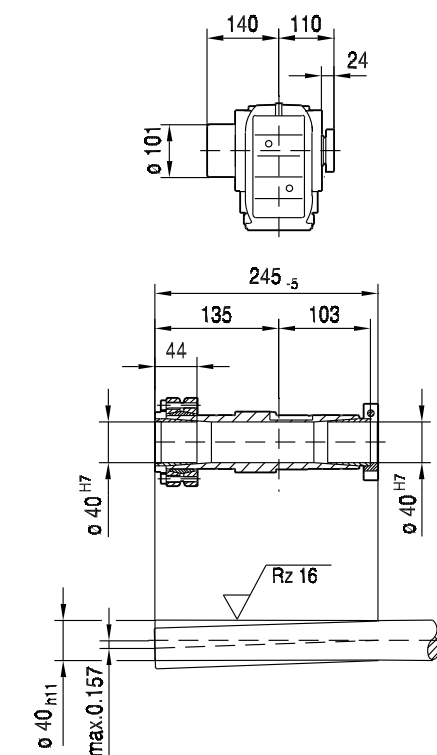
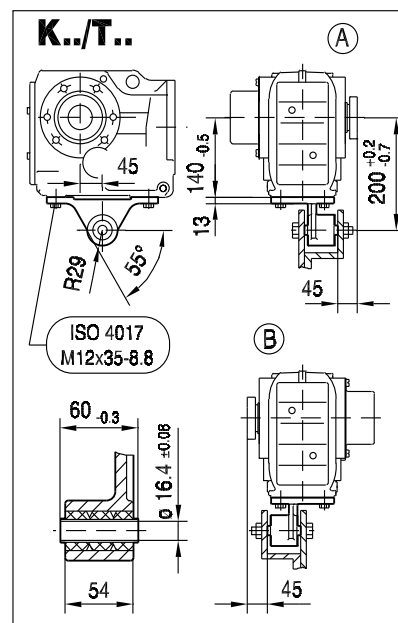
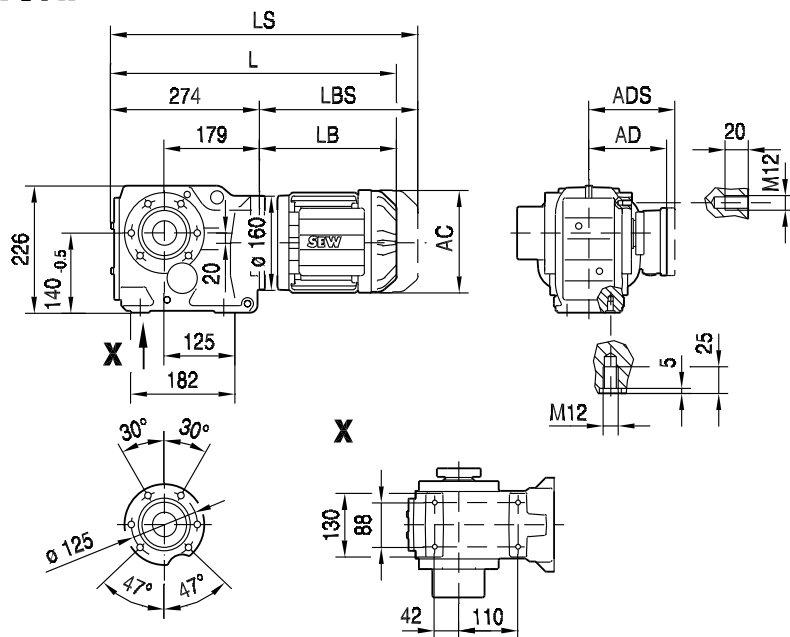


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| (→ 131) | DR63.. | DR71S | DR71M | DR80S | DR80M | DR90M | DR90L | DR100M | DR100L/LC | DR132S |
|---------|--------|-------|-------|-------|-------|-------|-------|--------|-----------|--------|
| AC      | 132    | 139   | 139   | 156   | 156   | 179   | 179   | 197    | 197       | 221    |
| AD      | 105    | 119   | 119   | 128   | 128   | 140   | 140   | 157    | 157       | 170    |
| ADS     | 105    | 129   | 129   | 139   | 139   | 150   | 150   | 158    | 158       | 172    |
| L       | 459    | 470   | 495   | 504   | 535   | 537   | 557   | 587    | 617       | 664    |
| LS      | 514    | 538   | 563   | 585   | 616   | 630   | 650   | 680    | 710       | 776    |
| LB      | 185    | 196   | 221   | 230   | 261   | 263   | 283   | 313    | 343       | 390    |
| LBS     | 240    | 264   | 289   | 311   | 342   | 356   | 376   | 406    | 436       | 502    |



33 097 00 06

**KT67..**

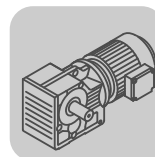
| (→ 131) | DR63.. | DR71S | DR71M | DR80S | DR80M | DR90M | DR90L | DR100M | DR100L/LC | DR132S |
|---------|--------|-------|-------|-------|-------|-------|-------|--------|-----------|--------|
| AC      | 132    | 139   | 139   | 156   | 156   | 179   | 179   | 197    | 197       | 221    |
| AD      | 105    | 119   | 119   | 128   | 128   | 140   | 140   | 157    | 157       | 170    |
| ADS     | 105    | 129   | 129   | 139   | 139   | 150   | 150   | 158    | 158       | 172    |
| L       | 459    | 470   | 495   | 504   | 535   | 537   | 557   | 587    | 617       | 664    |
| LS      | 514    | 538   | 563   | 585   | 616   | 630   | 650   | 680    | 710       | 776    |
| LB      | 185    | 196   | 221   | 230   | 261   | 263   | 283   | 313    | 343       | 390    |
| LBS     | 240    | 264   | 289   | 311   | 342   | 356   | 376   | 406    | 436       | 502    |





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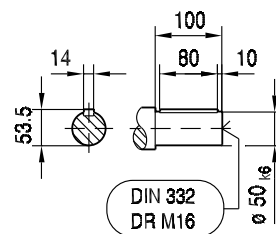
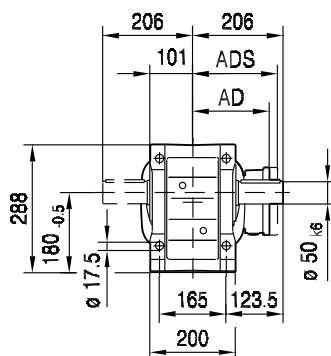
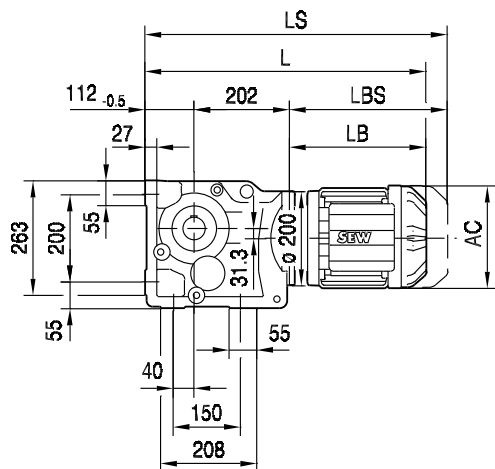
K..DRS  
K..DRS [mm]



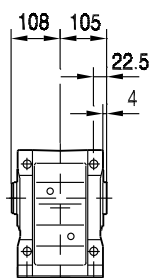
11

33 098 00 06<sup>L</sup>

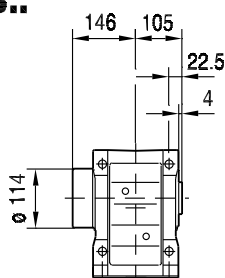
**K77..**



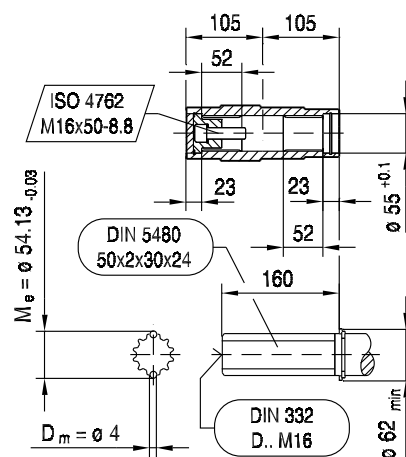
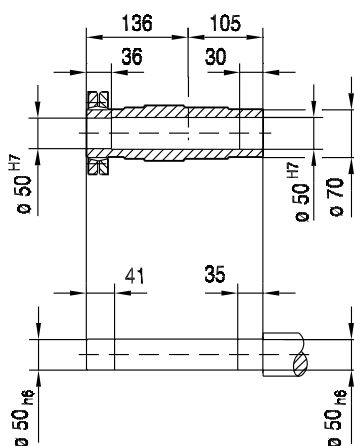
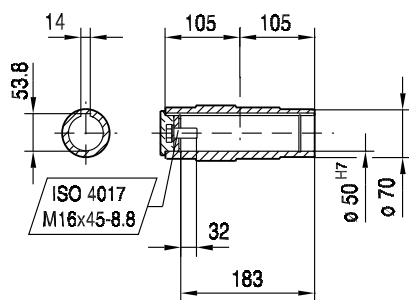
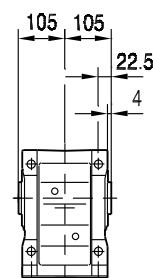
**KA77B..**



**KH77B..**

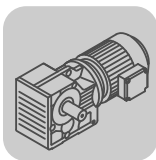


**KV77B..**

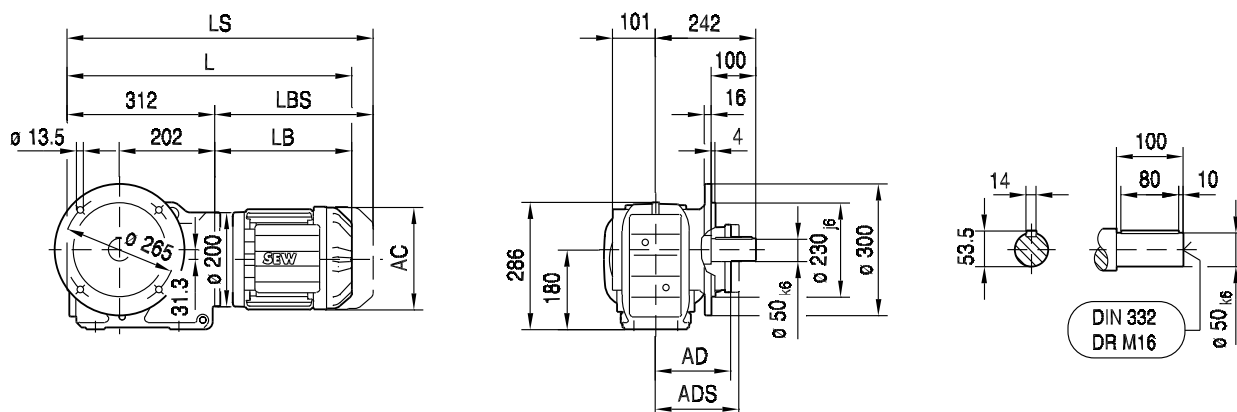
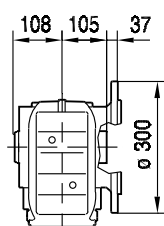
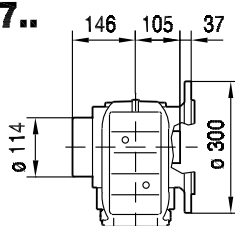
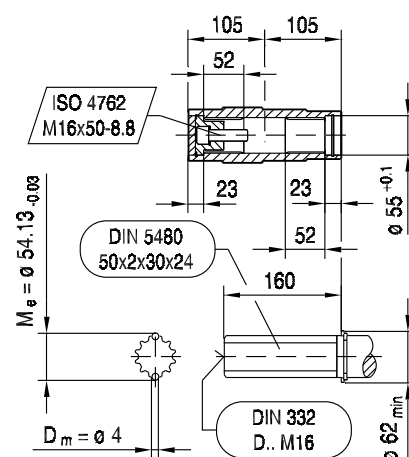
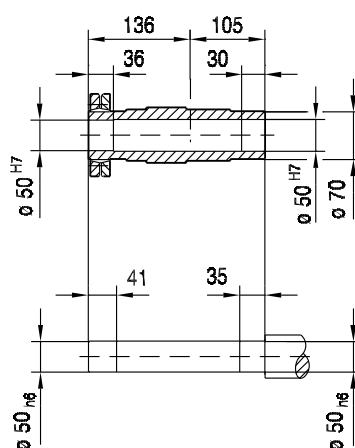
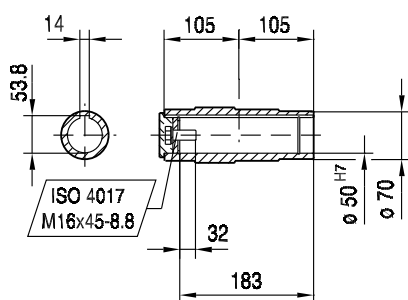
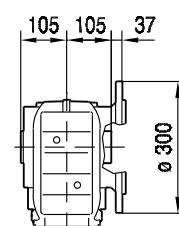


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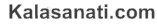
| (→ 131) | DR71S | DR71M | DR80S | DR80M | DR90M | DR90L | DR100M | DR100L/LC | DR132S | DR132M/MC | DR160.. |
|---------|-------|-------|-------|-------|-------|-------|--------|-----------|--------|-----------|---------|
| AC      | 139   | 139   | 156   | 156   | 179   | 179   | 197    | 197       | 221    | 221       | 270     |
| AD      | 119   | 119   | 128   | 128   | 140   | 140   | 157    | 157       | 170    | 170       | 228     |
| ADS     | 129   | 129   | 139   | 139   | 150   | 150   | 158    | 158       | 172    | 172       | 228     |
| L       | 503   | 528   | 537   | 568   | 570   | 590   | 620    | 650       | 693    | 743       | 784     |
| LS      | 571   | 596   | 618   | 649   | 663   | 683   | 713    | 743       | 805    | 855       | 921     |
| LB      | 189   | 214   | 223   | 254   | 256   | 276   | 306    | 336       | 379    | 429       | 470     |
| LBS     | 257   | 282   | 304   | 335   | 349   | 369   | 399    | 429       | 491    | 541       | 607     |



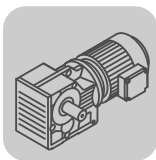
33 099 00 06

**KF77..****KAF77..****KHF77..****KVF77..**

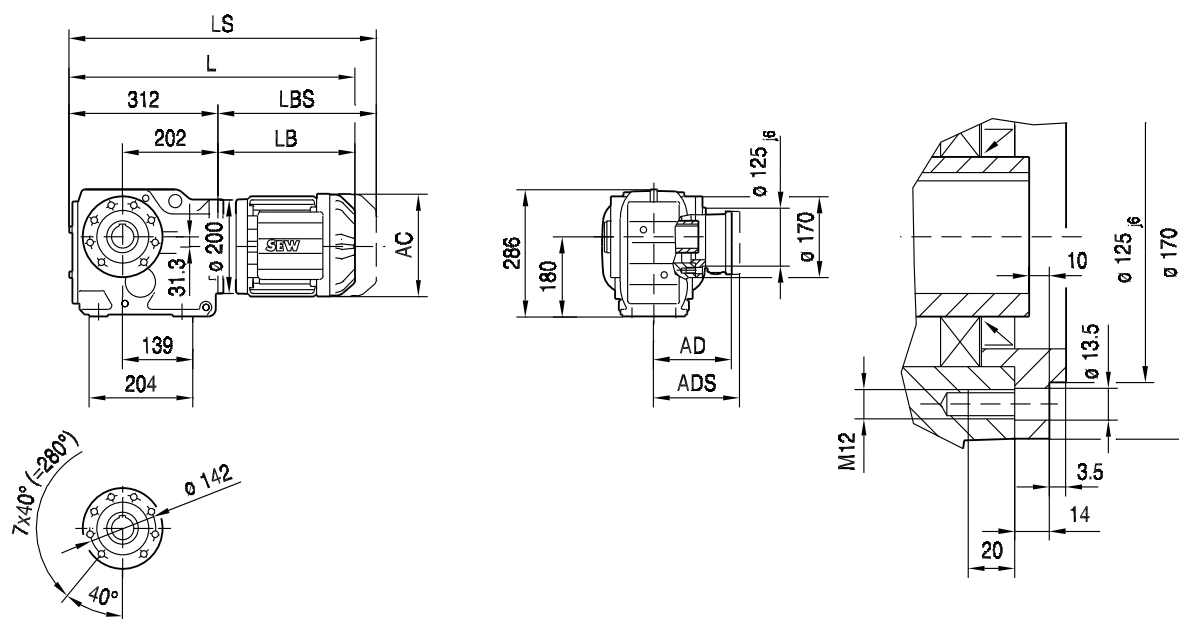
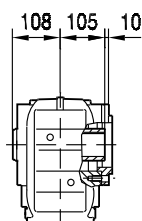
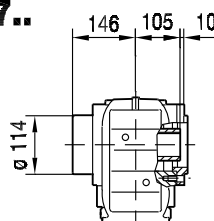
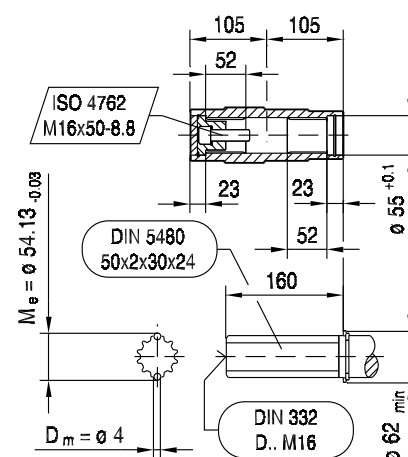
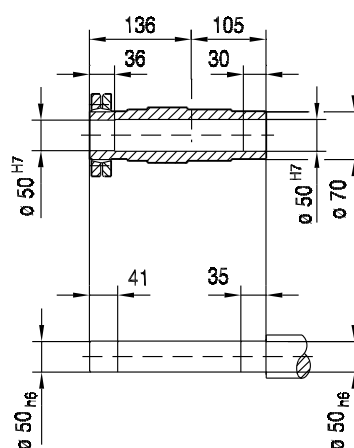
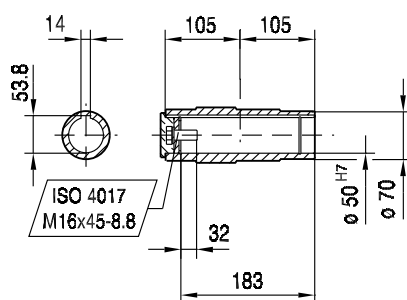
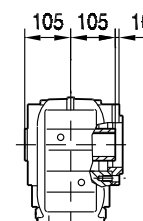
| (→ 131) | DR71S | DR71M | DR80S | DR80M | DR90M | DR90L | DR100M | DR100L/LC | DR132S | DR132M/MC | DR160.. |
|---------|-------|-------|-------|-------|-------|-------|--------|-----------|--------|-----------|---------|
| AC      | 139   | 139   | 156   | 156   | 179   | 179   | 197    | 197       | 221    | 221       | 270     |
| AD      | 119   | 119   | 128   | 128   | 140   | 140   | 157    | 157       | 170    | 170       | 228     |
| ADS     | 129   | 129   | 139   | 139   | 150   | 150   | 158    | 158       | 172    | 172       | 228     |
| L       | 501   | 526   | 535   | 566   | 568   | 588   | 618    | 648       | 691    | 741       | 782     |
| LS      | 569   | 594   | 616   | 647   | 661   | 681   | 711    | 741       | 803    | 853       | 919     |
| LB      | 189   | 214   | 223   | 254   | 256   | 276   | 306    | 336       | 379    | 429       | 470     |
| LBS     | 257   | 282   | 304   | 335   | 349   | 369   | 399    | 429       | 491    | 541       | 607     |



| (→  131) | DR71S | DR71M | DR80S | DR80M | DR90M | DR90L | DR100M | DR100L/LC | DR132S | DR132M/MC | DR160.. |
|---------------------------------------------------------------------------------------------|-------|-------|-------|-------|-------|-------|--------|-----------|--------|-----------|---------|
| <b>AC</b>                                                                                   | 139   | 139   | 156   | 156   | 179   | 179   | 197    | 197       | 221    | 221       | 270     |
| <b>AD</b>                                                                                   | 119   | 119   | 128   | 128   | 140   | 140   | 157    | 157       | 170    | 170       | 228     |
| <b>ADS</b>                                                                                  | 129   | 129   | 139   | 139   | 150   | 150   | 158    | 158       | 172    | 172       | 228     |
| <b>L</b>                                                                                    | 501   | 526   | 535   | 566   | 568   | 588   | 618    | 648       | 691    | 741       | 782     |
| <b>LS</b>                                                                                   | 569   | 594   | 616   | 647   | 661   | 681   | 711    | 741       | 803    | 853       | 919     |
| <b>LB</b>                                                                                   | 189   | 214   | 223   | 254   | 256   | 276   | 306    | 336       | 379    | 429       | 470     |
| <b>LBS</b>                                                                                  | 257   | 282   | 304   | 335   | 349   | 369   | 399    | 429       | 491    | 541       | 607     |



33 101 00 06

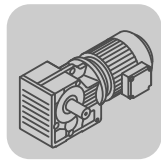
**KAZ77..****KAZ77..****KHZ77..****KVZ77..**

| (→ 131) | DR71S | DR71M | DR80S | DR80M | DR90M | DR90L | DR100M | DR100L/LC | DR132S | DR132M/MC | DR160.. |
|---------|-------|-------|-------|-------|-------|-------|--------|-----------|--------|-----------|---------|
| AC      | 139   | 139   | 156   | 156   | 179   | 179   | 197    | 197       | 221    | 221       | 270     |
| AD      | 119   | 119   | 128   | 128   | 140   | 140   | 157    | 157       | 170    | 170       | 228     |
| ADS     | 129   | 129   | 139   | 139   | 150   | 150   | 158    | 158       | 172    | 172       | 228     |
| L       | 501   | 526   | 535   | 566   | 568   | 588   | 618    | 648       | 691    | 741       | 782     |
| LS      | 569   | 594   | 616   | 647   | 661   | 681   | 711    | 741       | 803    | 853       | 919     |
| LB      | 189   | 214   | 223   | 254   | 256   | 276   | 306    | 336       | 379    | 429       | 470     |
| LBS     | 257   | 282   | 304   | 335   | 349   | 369   | 399    | 429       | 491    | 541       | 607     |



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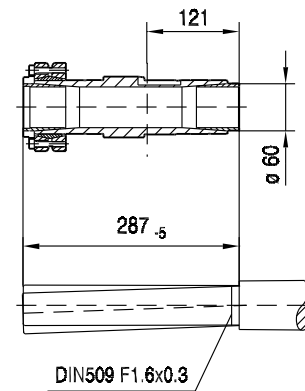
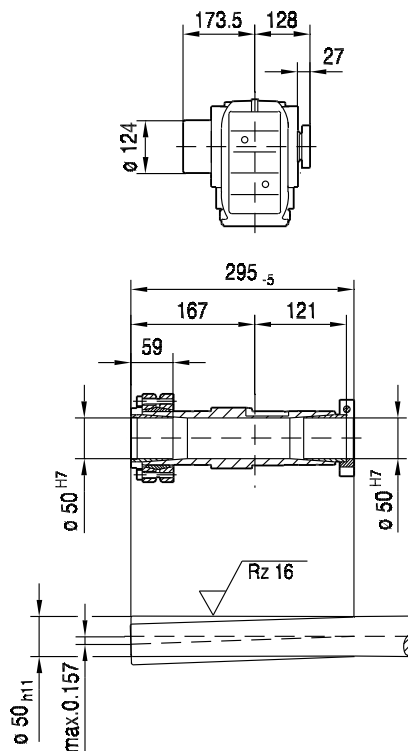
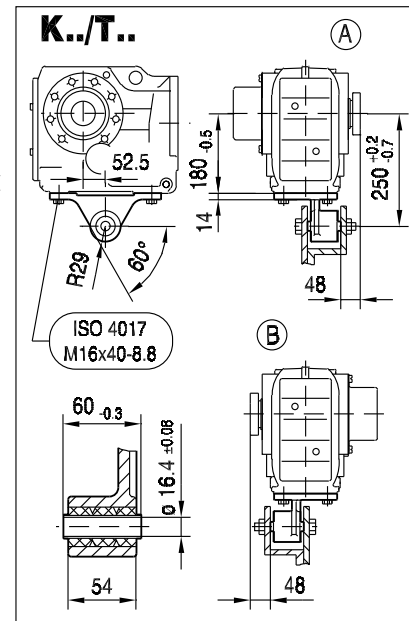
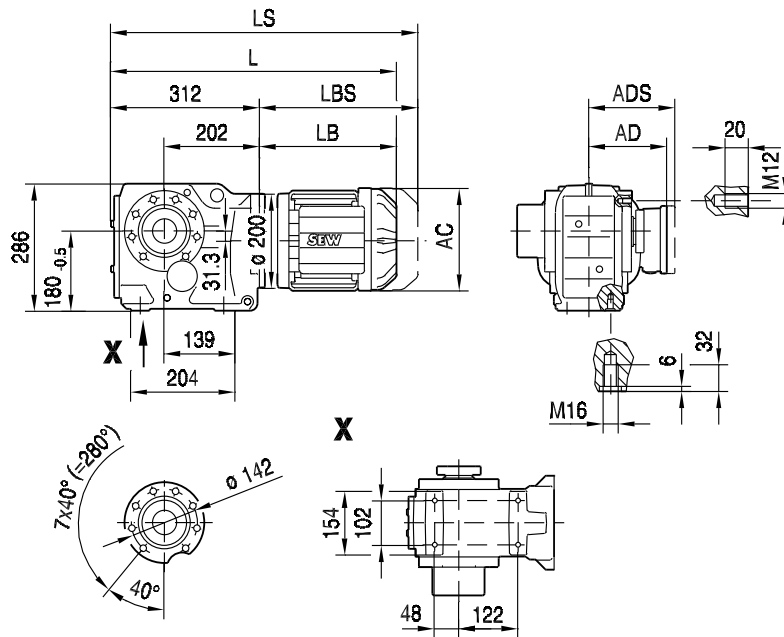
K..DRS  
K..DRS [mm]



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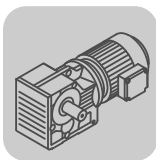
KT77..

33 102 00 06

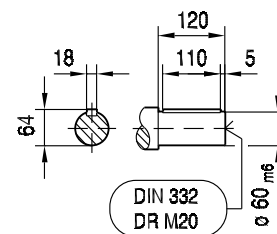
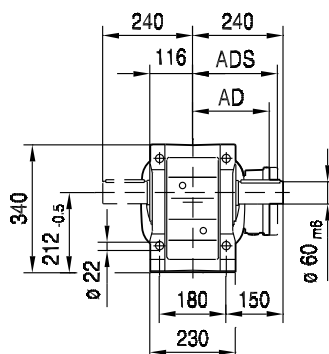
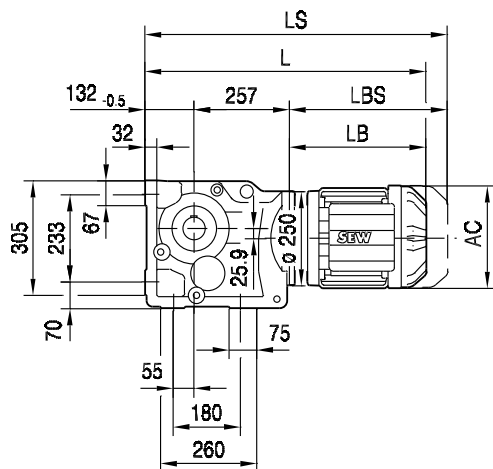
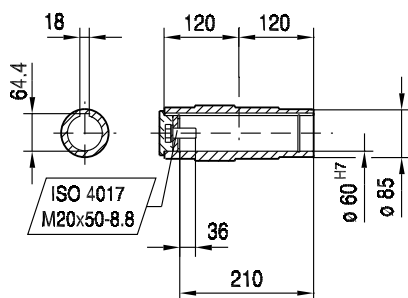
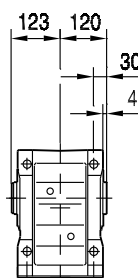
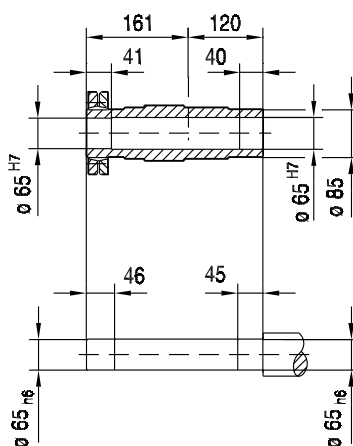
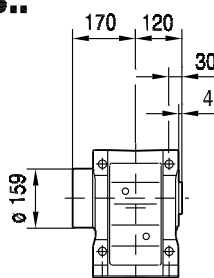
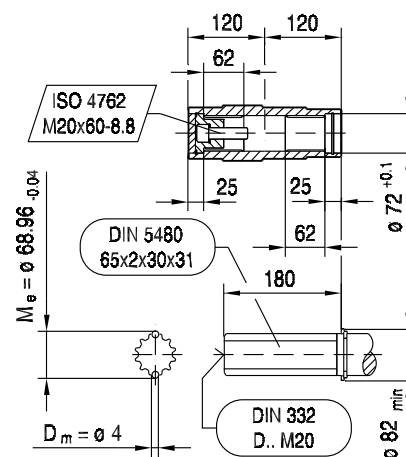
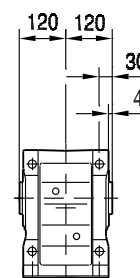


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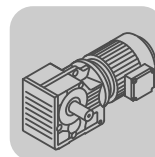
| (→ 131) | DR71S | DR71M | DR80S | DR80M | DR90M | DR90L | DR100M | DR100L/LC | DR132S | DR132M/MC | DR160.. |
|---------|-------|-------|-------|-------|-------|-------|--------|-----------|--------|-----------|---------|
| AC      | 139   | 139   | 156   | 156   | 179   | 179   | 197    | 197       | 221    | 221       | 270     |
| AD      | 119   | 119   | 128   | 128   | 140   | 140   | 157    | 157       | 170    | 170       | 228     |
| ADS     | 129   | 129   | 139   | 139   | 150   | 150   | 158    | 158       | 172    | 172       | 228     |
| L       | 501   | 526   | 535   | 566   | 568   | 588   | 618    | 648       | 691    | 741       | 782     |
| LS      | 569   | 594   | 616   | 647   | 661   | 681   | 711    | 741       | 803    | 853       | 919     |
| LB      | 189   | 214   | 223   | 254   | 256   | 276   | 306    | 336       | 379    | 429       | 470     |
| LBS     | 257   | 282   | 304   | 335   | 349   | 369   | 399    | 429       | 491    | 541       | 607     |



33 103 00 06

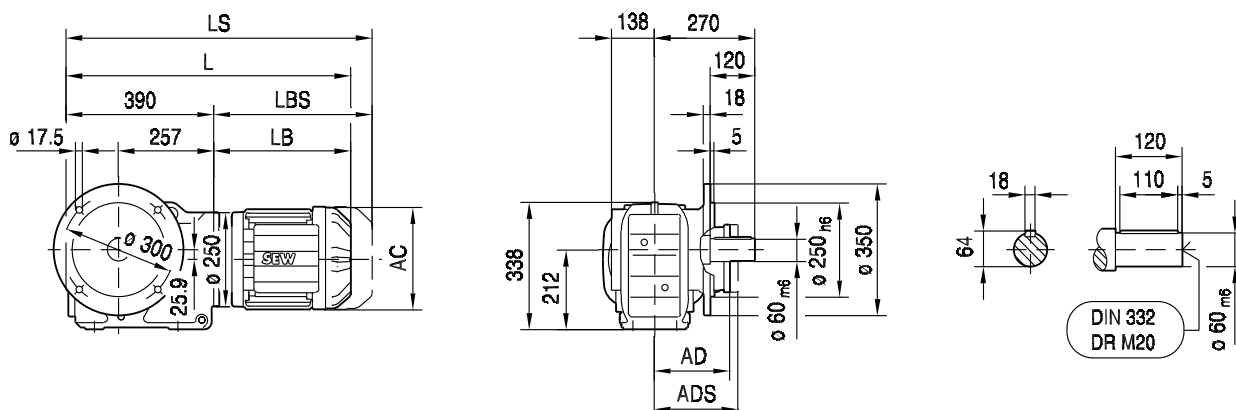
**K87..****KA87B..****KH87B..****KV87B..**

| (→ 131) | DR80S | DR80M | DR90M | DR90L | DR100M | DR100L/LC | DR132S | DR132M/MC | DR160.. | DR180S/M | DR180L/LC |
|---------|-------|-------|-------|-------|--------|-----------|--------|-----------|---------|----------|-----------|
| AC      | 156   | 156   | 179   | 179   | 197    | 197       | 221    | 221       | 270     | 316      | 316       |
| AD      | 128   | 128   | 140   | 140   | 157    | 157       | 170    | 170       | 228     | 253      | 253       |
| ADS     | 139   | 139   | 150   | 150   | 158    | 158       | 172    | 172       | 228     | 253      | 253       |
| L       | 607   | 638   | 640   | 660   | 690    | 720       | 763    | 813       | 854     | 923      | 983       |
| LS      | 688   | 719   | 733   | 753   | 783    | 813       | 875    | 925       | 991     | 1112     | 1172      |
| LB      | 218   | 249   | 251   | 271   | 301    | 331       | 374    | 424       | 465     | 534      | 594       |
| LBS     | 299   | 330   | 344   | 364   | 394    | 424       | 486    | 536       | 602     | 723      | 783       |



## KF87..

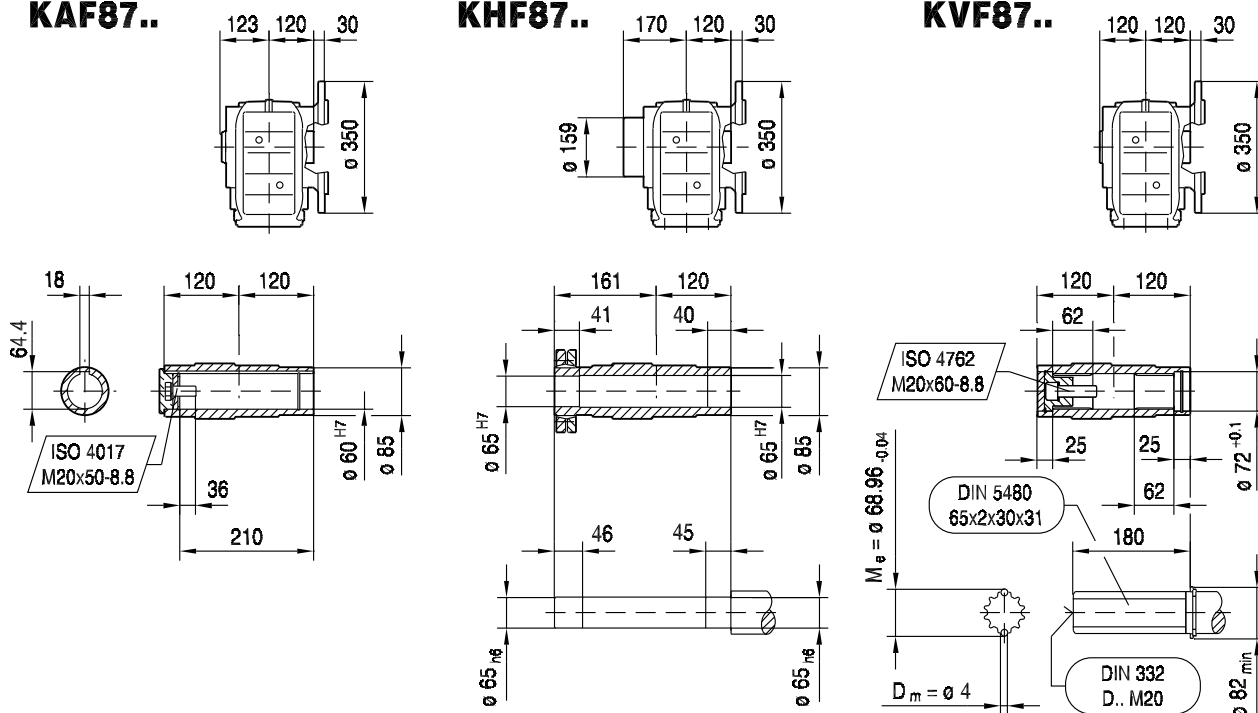
33 104 00 06<sup>L</sup>



## KAF87..

## KHF87..

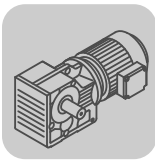
## KVF87..



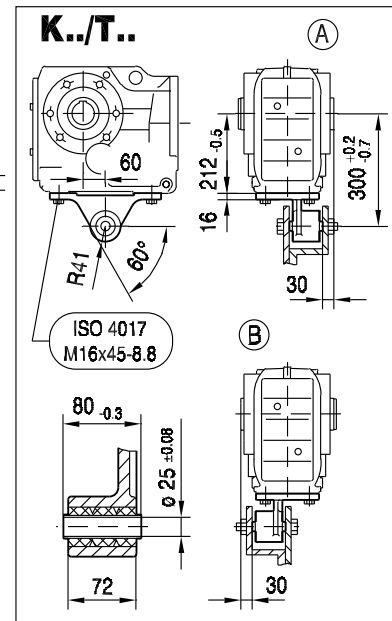
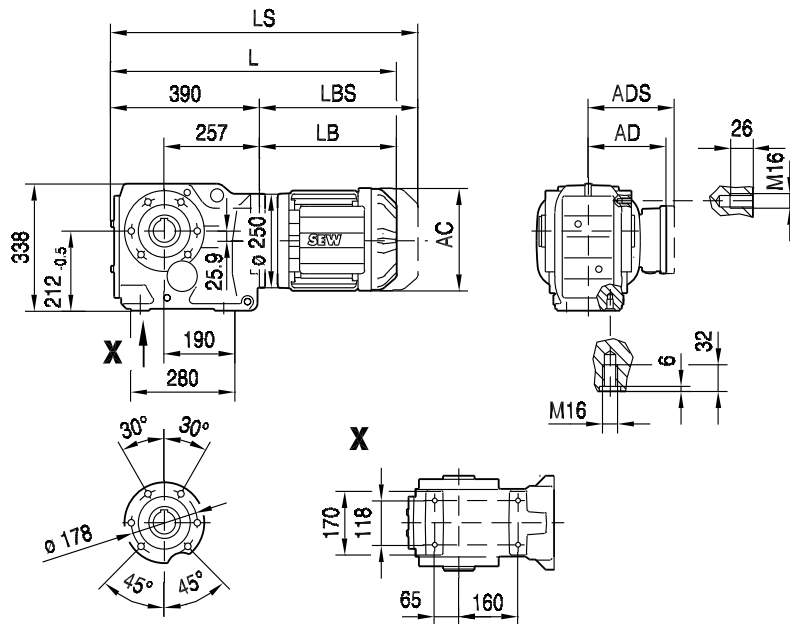
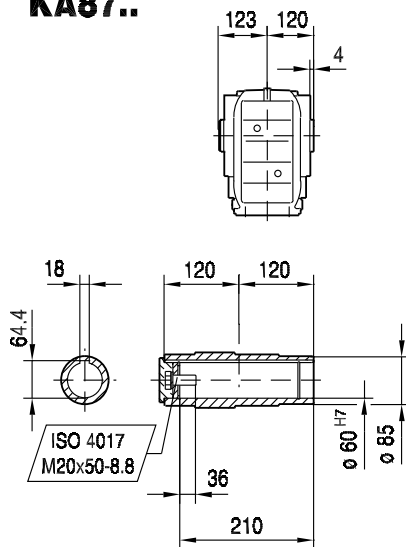
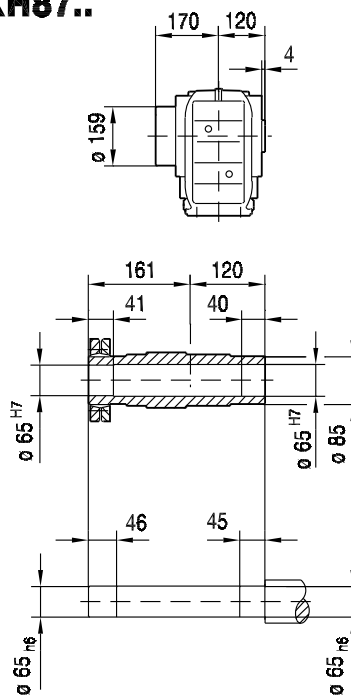
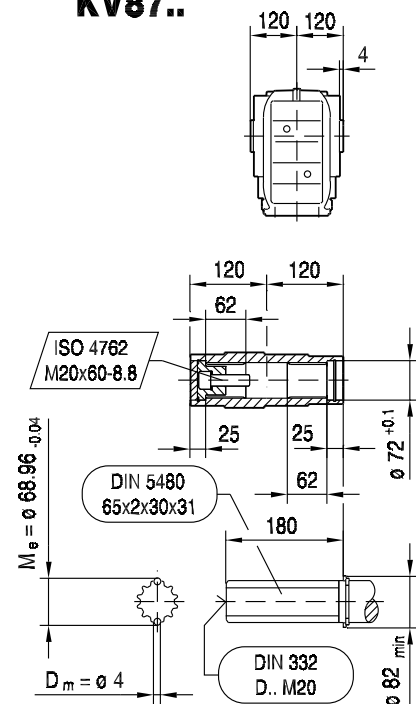
11

| (→ 131) | DR80S | DR80M | DR90M | DR90L | DR100M | DR100L/LC | DR132S | DR132M/MC | DR160.. | DR180S/M | DR180L/LC |
|---------|-------|-------|-------|-------|--------|-----------|--------|-----------|---------|----------|-----------|
| AC      | 156   | 156   | 179   | 179   | 197    | 197       | 221    | 221       | 270     | 316      | 316       |
| AD      | 128   | 128   | 140   | 140   | 157    | 157       | 170    | 170       | 228     | 253      | 253       |
| ADS     | 139   | 139   | 150   | 150   | 158    | 158       | 172    | 172       | 228     | 253      | 253       |
| L       | 608   | 639   | 641   | 661   | 691    | 721       | 764    | 814       | 855     | 924      | 984       |
| LS      | 689   | 720   | 734   | 754   | 784    | 814       | 876    | 926       | 992     | 1113     | 1173      |
| LB      | 218   | 249   | 251   | 271   | 301    | 331       | 374    | 424       | 465     | 534      | 594       |
| LBS     | 299   | 330   | 344   | 364   | 394    | 424       | 486    | 536       | 602     | 723      | 783       |





33 105 00 06

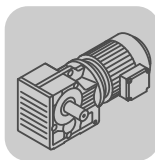
**KA87..****KA87..****KH87..****KV87..**

| (→ 131) | DR80S | DR80M | DR90M | DR90L | DR100M | DR100L/LC | DR132S | DR132M/MC | DR160.. | DR180S/M | DR180L/LC |
|---------|-------|-------|-------|-------|--------|-----------|--------|-----------|---------|----------|-----------|
| AC      | 156   | 156   | 179   | 179   | 197    | 197       | 221    | 221       | 270     | 316      | 316       |
| AD      | 128   | 128   | 140   | 140   | 157    | 157       | 170    | 170       | 228     | 253      | 253       |
| ADS     | 139   | 139   | 150   | 150   | 158    | 158       | 172    | 172       | 228     | 253      | 253       |
| L       | 608   | 639   | 641   | 661   | 691    | 721       | 764    | 814       | 855     | 924      | 984       |
| LS      | 689   | 720   | 734   | 754   | 784    | 814       | 876    | 926       | 992     | 1113     | 1173      |
| LB      | 218   | 249   | 251   | 271   | 301    | 331       | 374    | 424       | 465     | 534      | 594       |
| LBS     | 299   | 330   | 344   | 364   | 394    | 424       | 486    | 536       | 602     | 723      | 783       |



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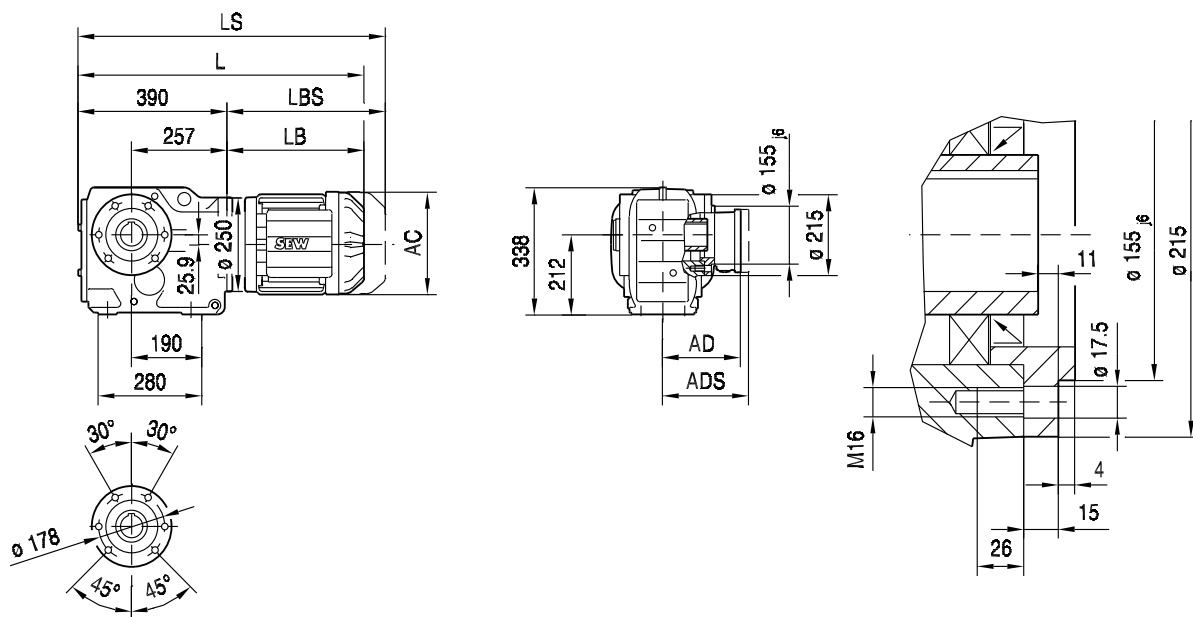
K..DRS  
K..DRS [mm]



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## KAZ87..

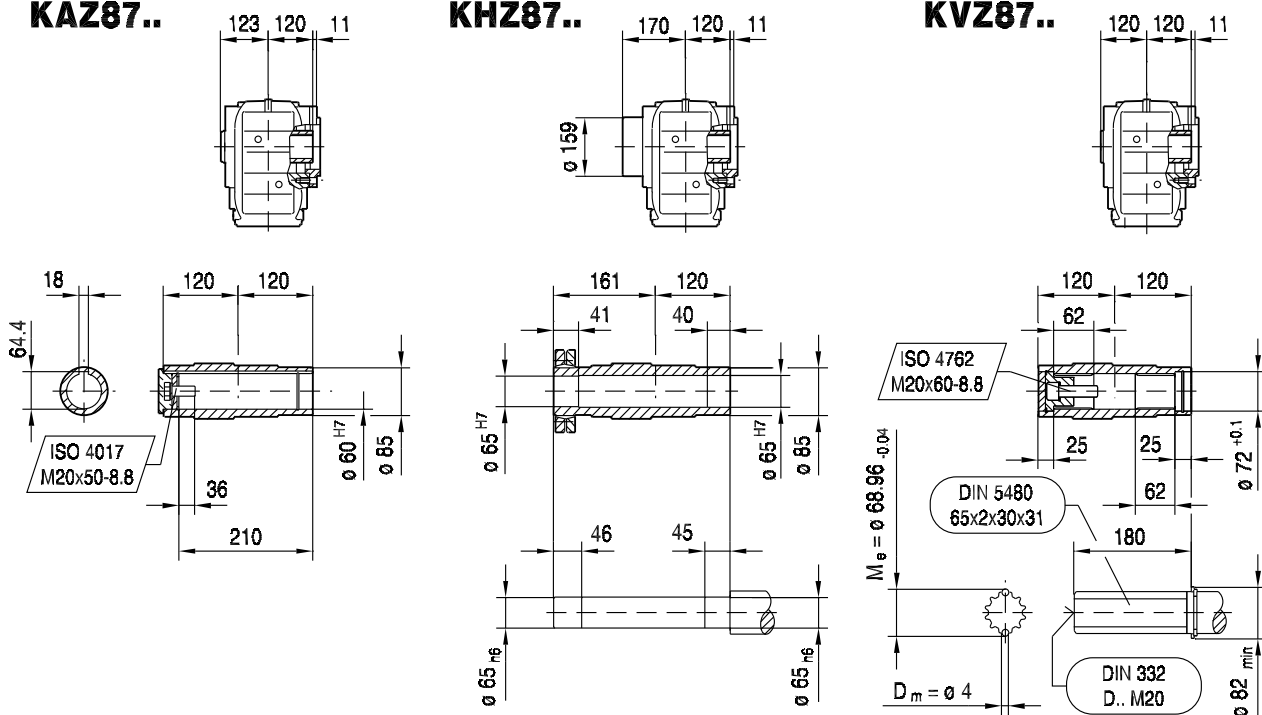
33 106 00 06



## KAZ87..

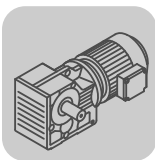
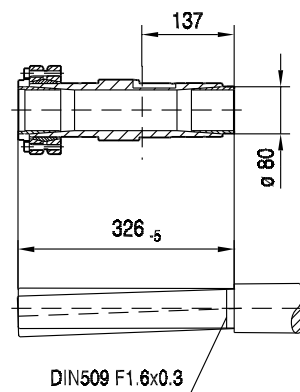
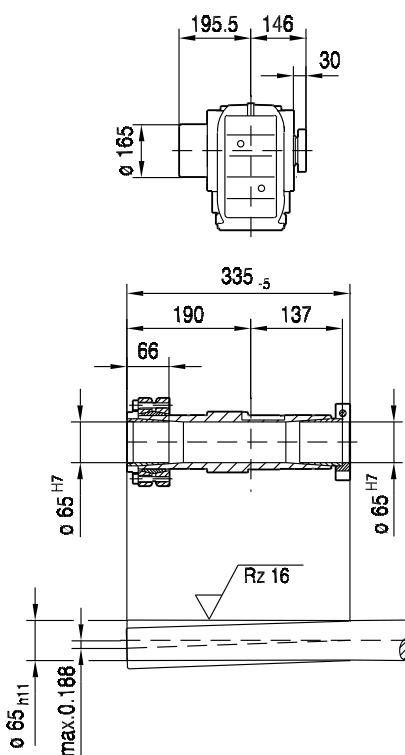
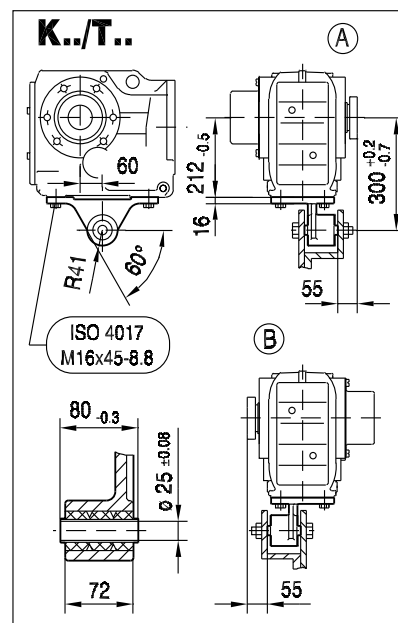
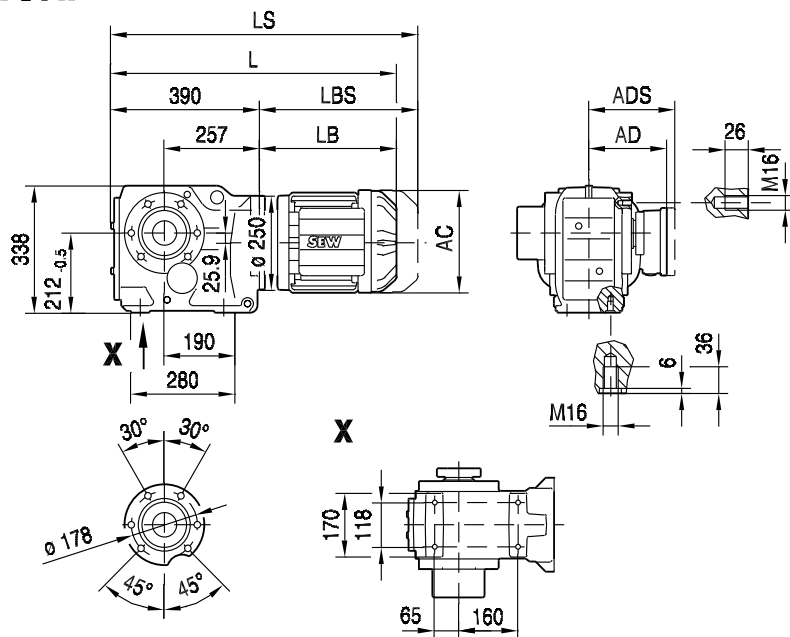
## KHZ87..

## KVZ87..

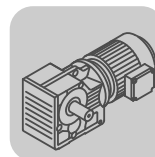


11

| (→ 131) | DR80S | DR80M | DR90M | DR90L | DR100M | DR100L/LC | DR132S | DR132M/MC | DR160.. | DR180S/M | DR180L/LC |
|---------|-------|-------|-------|-------|--------|-----------|--------|-----------|---------|----------|-----------|
| AC      | 156   | 156   | 179   | 179   | 197    | 197       | 221    | 221       | 270     | 316      | 316       |
| AD      | 128   | 128   | 140   | 140   | 157    | 157       | 170    | 170       | 228     | 253      | 253       |
| ADS     | 139   | 139   | 150   | 150   | 158    | 158       | 172    | 172       | 228     | 253      | 253       |
| L       | 608   | 639   | 641   | 661   | 691    | 721       | 764    | 814       | 855     | 924      | 984       |
| LS      | 689   | 720   | 734   | 754   | 784    | 814       | 876    | 926       | 992     | 1113     | 1173      |
| LB      | 218   | 249   | 251   | 271   | 301    | 331       | 374    | 424       | 465     | 534      | 594       |
| LBS     | 299   | 330   | 344   | 364   | 394    | 424       | 486    | 536       | 602     | 723      | 783       |

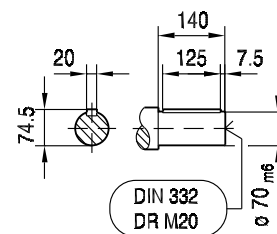
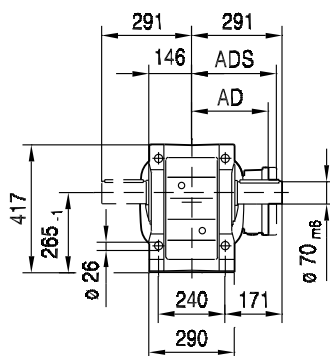
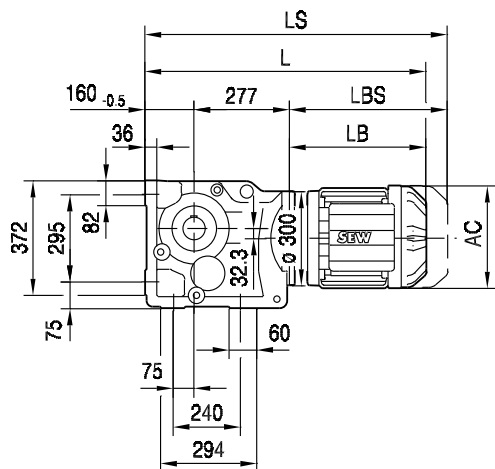
**KT87..****33 107 00 06**

| (→ 131) | DR80S | DR80M | DR90M | DR90L | DR100M | DR100L/LC | DR132S | DR132M/MC | DR160.. | DR180S/M | DR180L/LC |
|---------|-------|-------|-------|-------|--------|-----------|--------|-----------|---------|----------|-----------|
| AC      | 156   | 156   | 179   | 179   | 197    | 197       | 221    | 221       | 270     | 316      | 316       |
| AD      | 128   | 128   | 140   | 140   | 157    | 157       | 170    | 170       | 228     | 253      | 253       |
| ADS     | 139   | 139   | 150   | 150   | 158    | 158       | 172    | 172       | 228     | 253      | 253       |
| L       | 608   | 639   | 641   | 661   | 691    | 721       | 764    | 814       | 855     | 924      | 984       |
| LS      | 689   | 720   | 734   | 754   | 784    | 814       | 876    | 926       | 992     | 1113     | 1173      |
| LB      | 218   | 249   | 251   | 271   | 301    | 331       | 374    | 424       | 465     | 534      | 594       |
| LBS     | 299   | 330   | 344   | 364   | 394    | 424       | 486    | 536       | 602     | 723      | 783       |



## K97..

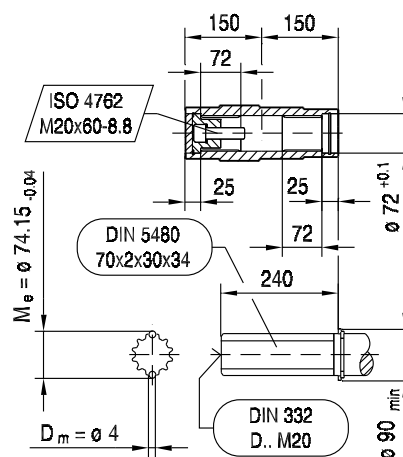
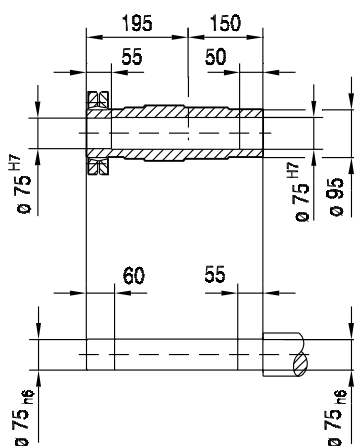
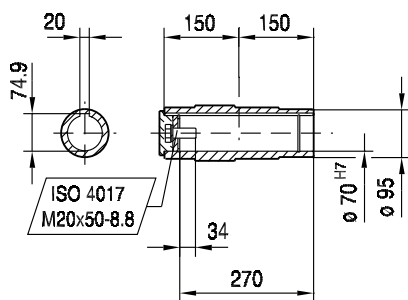
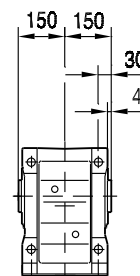
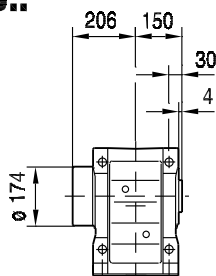
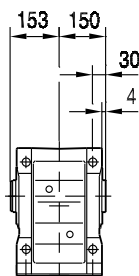
33 108 00 06



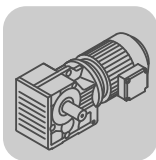
## KA97B..

## KH97B..

## KV97B..

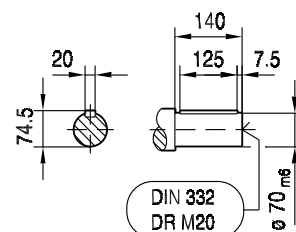
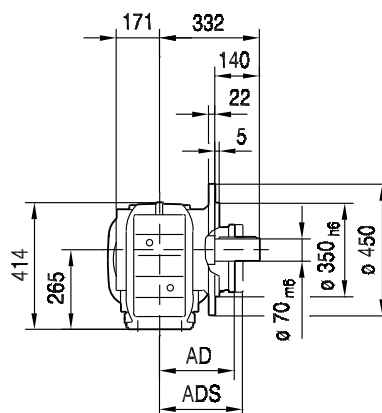
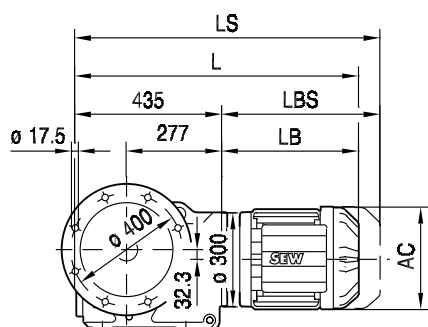


| (→ 131) | DR80M | DR90M | DR90L | DR100M | DR100L/LC | DR132S | DR132M/MC | DR160.. | DR180S/M | DR180L/LC |
|---------|-------|-------|-------|--------|-----------|--------|-----------|---------|----------|-----------|
| AC      | 156   | 179   | 179   | 197    | 197       | 221    | 221       | 270     | 316      | 316       |
| AD      | 128   | 140   | 140   | 157    | 157       | 170    | 170       | 228     | 253      | 253       |
| ADS     | 139   | 150   | 150   | 158    | 158       | 172    | 172       | 228     | 253      | 253       |
| L       | 681   | 683   | 703   | 733    | 763       | 806    | 856       | 897     | 966      | 1026      |
| LS      | 762   | 776   | 796   | 826    | 856       | 918    | 968       | 1034    | 1155     | 1215      |
| LB      | 244   | 246   | 266   | 296    | 326       | 369    | 419       | 460     | 529      | 589       |
| LBS     | 325   | 339   | 359   | 389    | 419       | 481    | 531       | 597     | 718      | 778       |

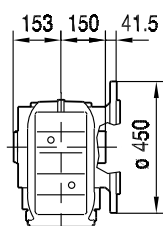


**KF97..**

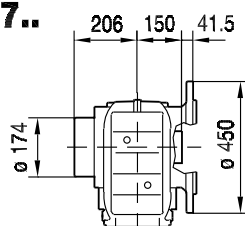
33 109 00 06



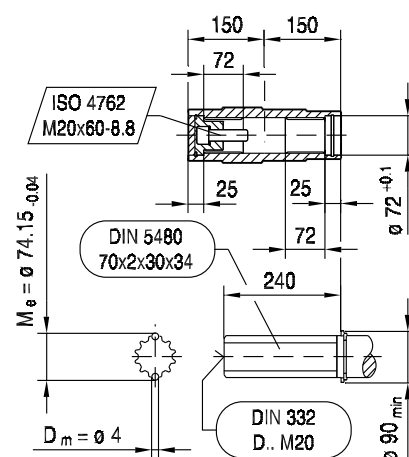
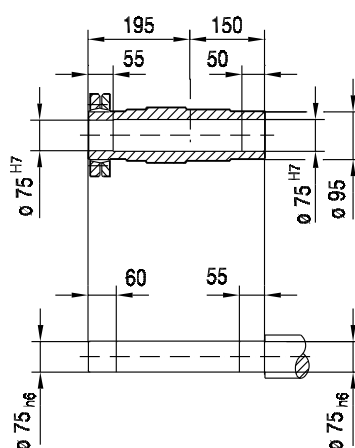
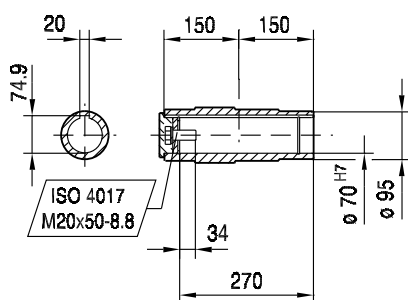
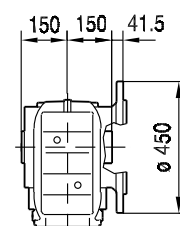
## KAF97..



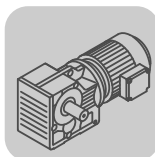
## KHF97..



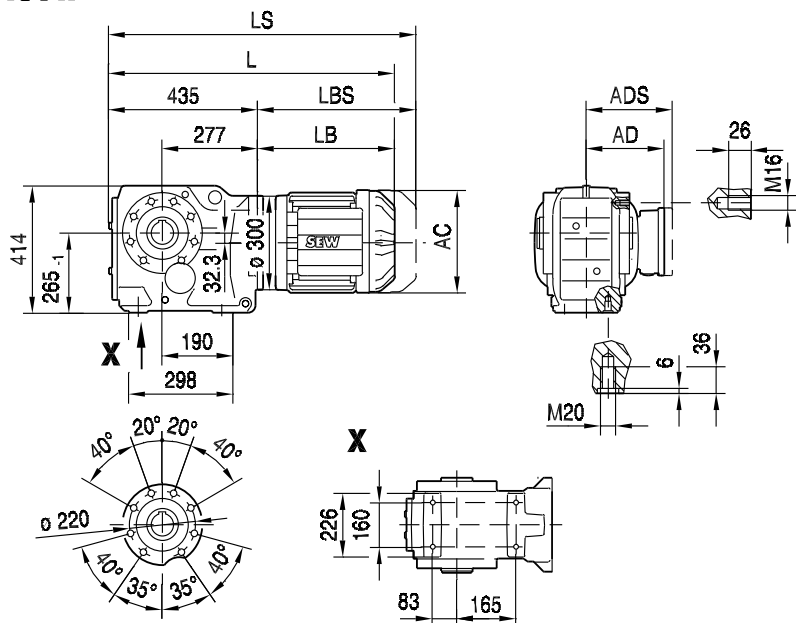
**KVF97..**



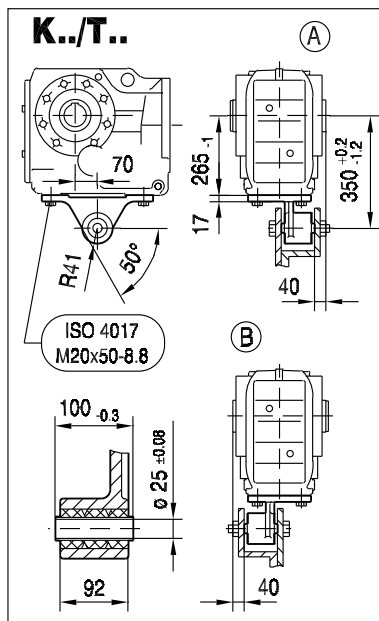
| (→  131) | DR80M | DR90M | DR90L | DR100M | DR100L/LC | DR132S | DR132M/MC | DR160.. | DR180S/M | DR180L/LC |
|---------------------------------------------------------------------------------------------|-------|-------|-------|--------|-----------|--------|-----------|---------|----------|-----------|
| <b>AC</b>                                                                                   | 156   | 179   | 179   | 197    | 197       | 221    | 221       | 270     | 316      | 316       |
| <b>AD</b>                                                                                   | 128   | 140   | 140   | 157    | 157       | 170    | 170       | 228     | 253      | 253       |
| <b>ADS</b>                                                                                  | 139   | 150   | 150   | 158    | 158       | 172    | 172       | 228     | 253      | 253       |
| <b>L</b>                                                                                    | 679   | 681   | 701   | 731    | 761       | 804    | 854       | 895     | 964      | 1024      |
| <b>LS</b>                                                                                   | 760   | 774   | 794   | 824    | 854       | 916    | 966       | 1032    | 1153     | 1213      |
| <b>LB</b>                                                                                   | 244   | 246   | 266   | 296    | 326       | 369    | 419       | 460     | 529      | 589       |
| <b>LBS</b>                                                                                  | 325   | 339   | 359   | 389    | 419       | 481    | 531       | 597     | 718      | 778       |



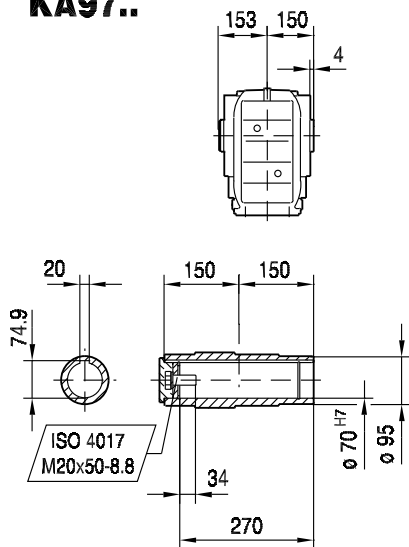
## KA97..



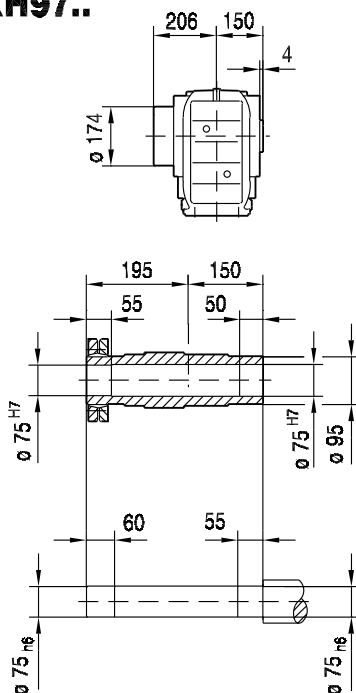
33 110 00 06



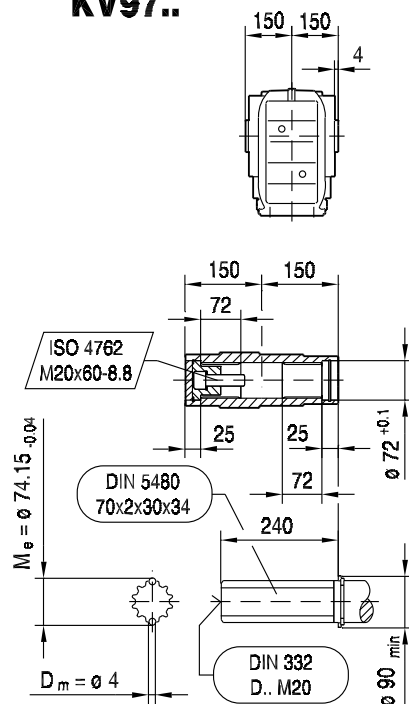
## KA97..



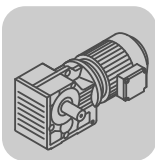
## KH97..



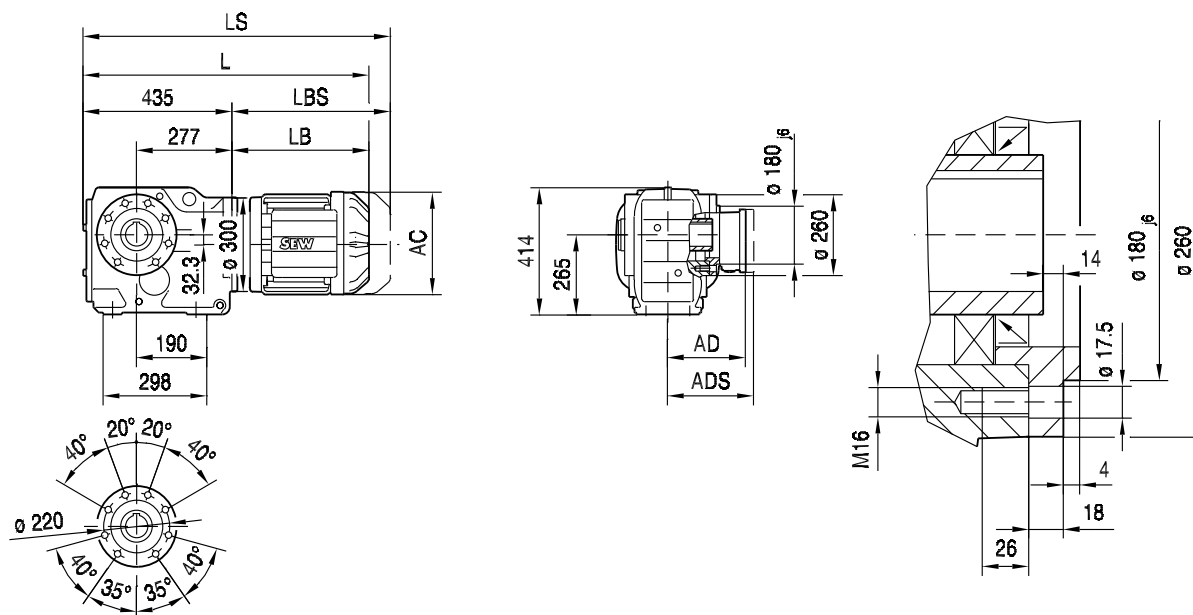
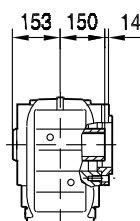
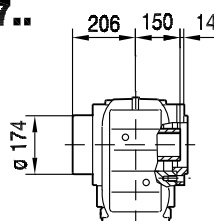
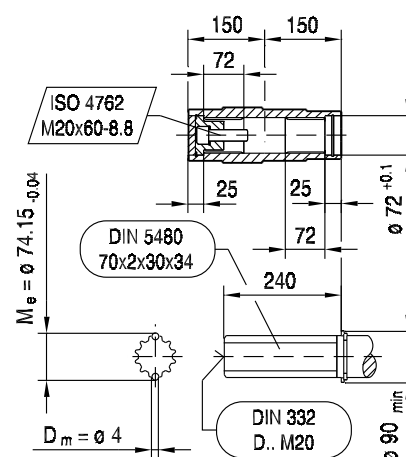
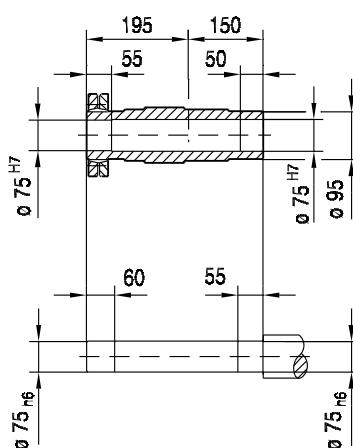
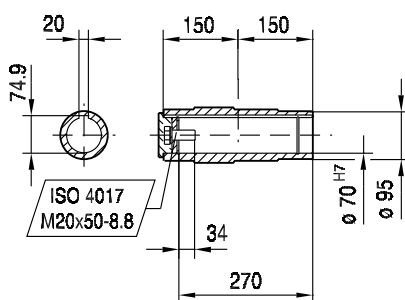
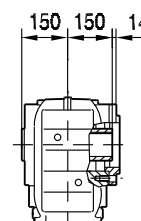
## KV97..



| (→ 131) | DR80M | DR90M | DR90L | DR100M | DR100L/LC | DR132S | DR132M/MC | DR160.. | DR180S/M | DR180L/LC |
|---------|-------|-------|-------|--------|-----------|--------|-----------|---------|----------|-----------|
| AC      | 156   | 179   | 179   | 197    | 197       | 221    | 221       | 270     | 316      | 316       |
| AD      | 128   | 140   | 140   | 157    | 157       | 170    | 170       | 228     | 253      | 253       |
| ADS     | 139   | 150   | 150   | 158    | 158       | 172    | 172       | 228     | 253      | 253       |
| L       | 679   | 681   | 701   | 731    | 761       | 804    | 854       | 895     | 964      | 1024      |
| LS      | 760   | 774   | 794   | 824    | 854       | 916    | 966       | 1032    | 1153     | 1213      |
| LB      | 244   | 246   | 266   | 296    | 326       | 369    | 419       | 460     | 529      | 589       |
| LBS     | 325   | 339   | 359   | 389    | 419       | 481    | 531       | 597     | 718      | 778       |



33 111 00 06

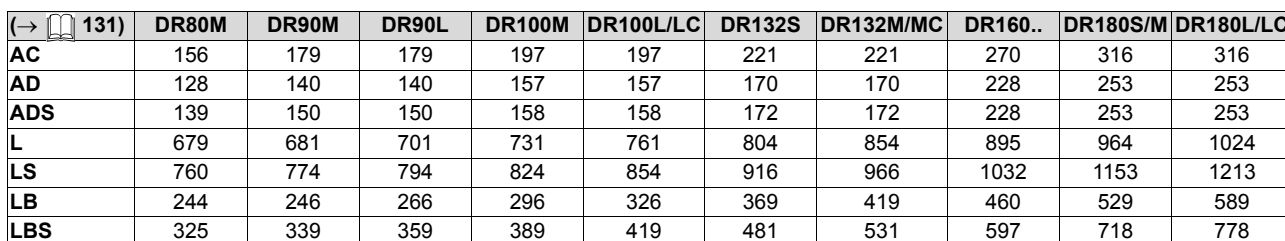
**KAZ97..****KAZ97..****KHZ97..****KVZ97..**

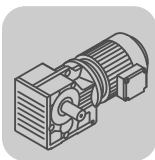
| (→ 131) | DR80M | DR90M | DR90L | DR100M | DR100L/LC | DR132S | DR132M/MC | DR160.. | DR180S/M | DR180L/LC |
|---------|-------|-------|-------|--------|-----------|--------|-----------|---------|----------|-----------|
| AC      | 156   | 179   | 179   | 197    | 197       | 221    | 221       | 270     | 316      | 316       |
| AD      | 128   | 140   | 140   | 157    | 157       | 170    | 170       | 228     | 253      | 253       |
| ADS     | 139   | 150   | 150   | 158    | 158       | 172    | 172       | 228     | 253      | 253       |
| L       | 679   | 681   | 701   | 731    | 761       | 804    | 854       | 895     | 964      | 1024      |
| LS      | 760   | 774   | 794   | 824    | 854       | 916    | 966       | 1032    | 1153     | 1213      |
| LB      | 244   | 246   | 266   | 296    | 326       | 369    | 419       | 460     | 529      | 589       |
| LBS     | 325   | 339   | 359   | 389    | 419       | 481    | 531       | 597     | 718      | 778       |



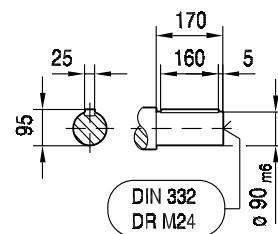
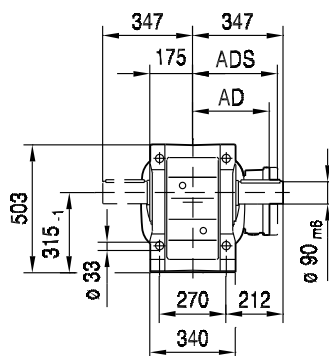
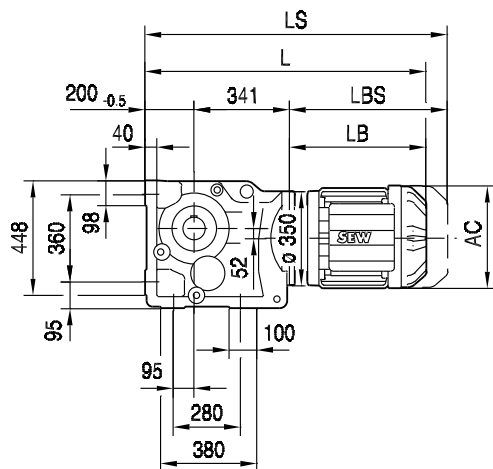
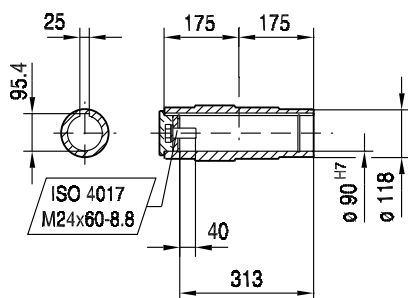
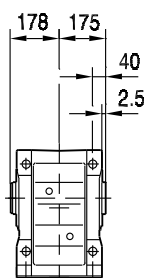
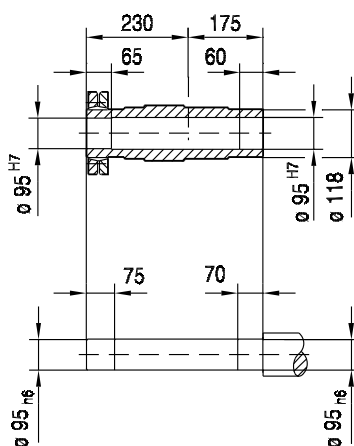
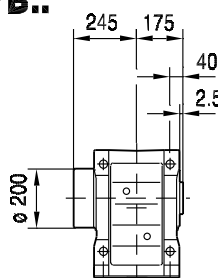
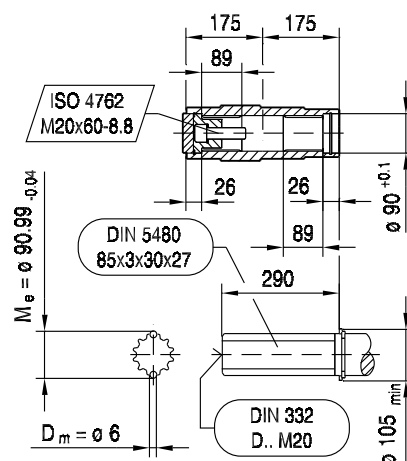
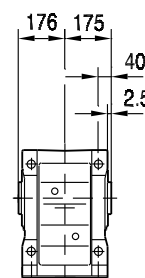


**33 112 00 06**

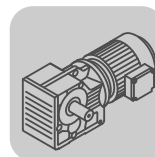




33 113 00 06

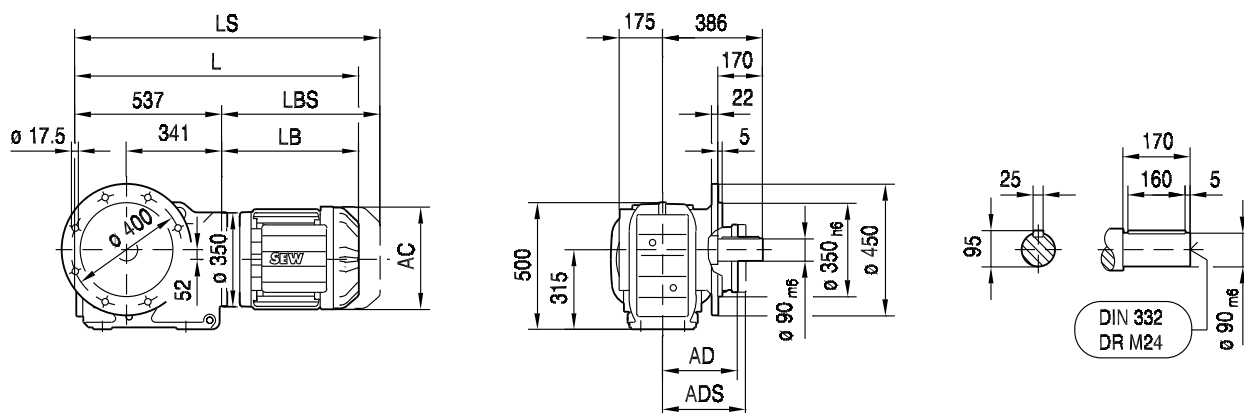
**K107..****KA107B..****KH107B..****KV107B..**

| (→ 131) | DR100M | DR100L/LC | DR132S | DR132M/MC | DR160.. | DR180S/M | DR180L/LC | DR225S | DR225M/MC |
|---------|--------|-----------|--------|-----------|---------|----------|-----------|--------|-----------|
| AC      | 197    | 197       | 221    | 221       | 270     | 316      | 316       | 394    | 394       |
| AD      | 157    | 157       | 170    | 170       | 228     | 253      | 253       | 283    | 283       |
| ADS     | 158    | 158       | 172    | 172       | 228     | 253      | 253       | 283    | 283       |
| L       | 831    | 861       | 904    | 954       | 995     | 1064     | 1124      | 1197   | 1247      |
| LS      | 924    | 954       | 1016   | 1066      | 1132    | 1253     | 1313      | 1402   | 1452      |
| LB      | 290    | 320       | 363    | 413       | 454     | 523      | 583       | 656    | 706       |
| LBS     | 383    | 413       | 475    | 525       | 591     | 712      | 772       | 861    | 911       |



## KF107..

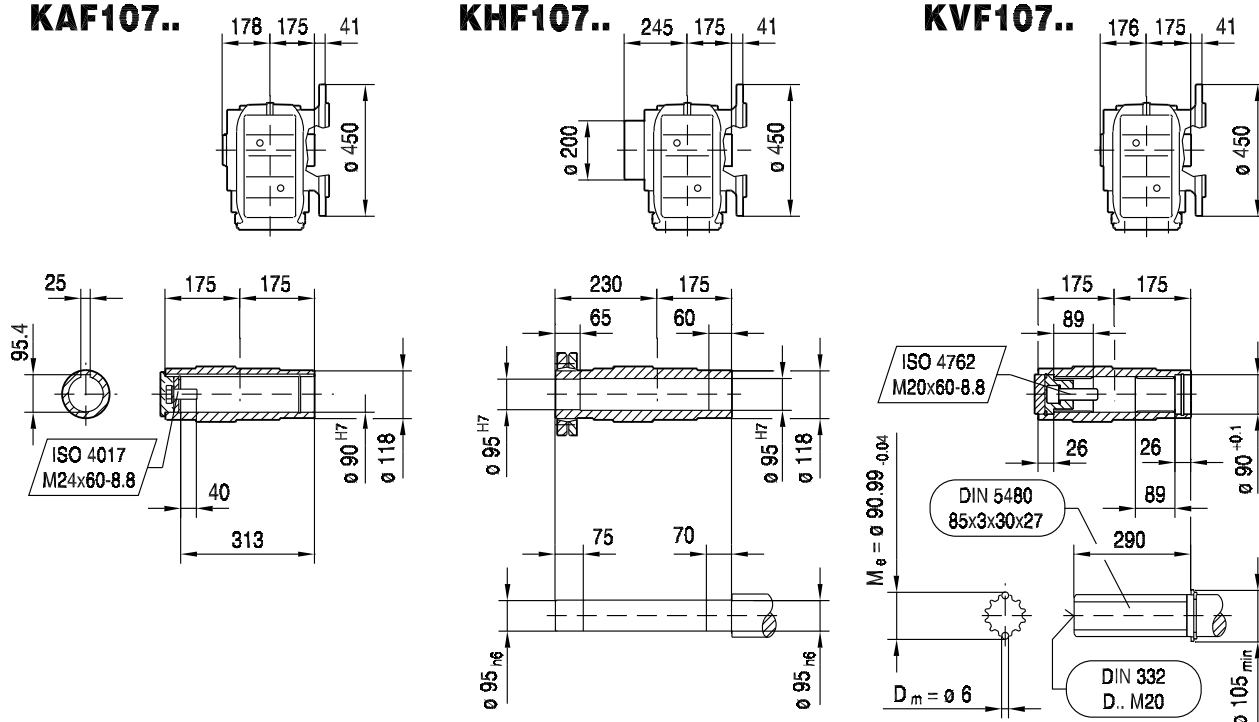
33 114 00 06<sup>L</sup>



## KAF107..

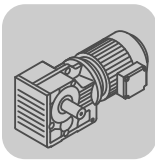
## KHF107..

## KVF107..

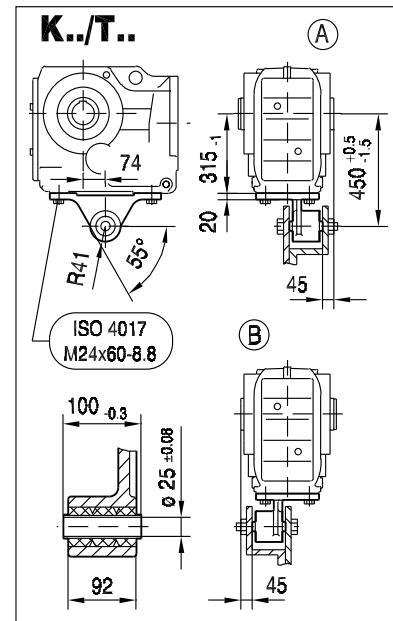
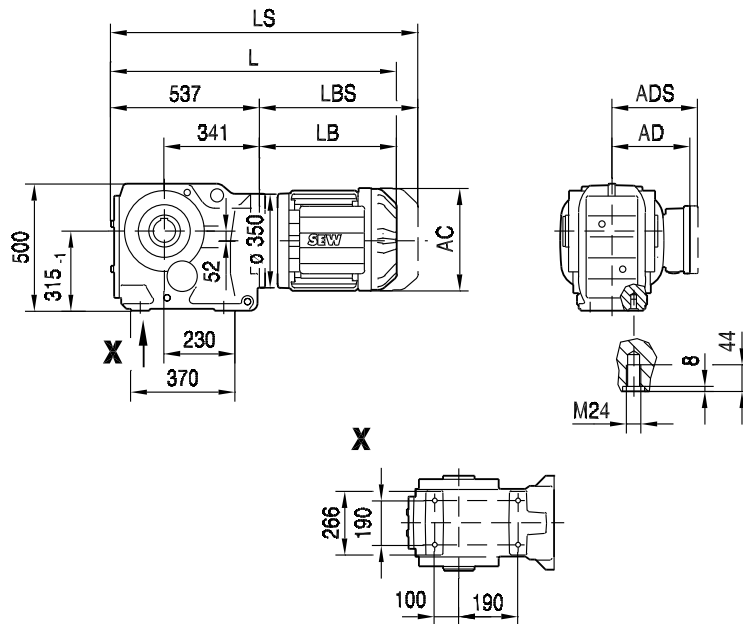
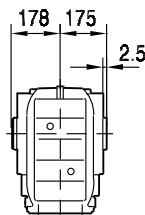
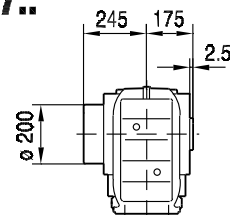
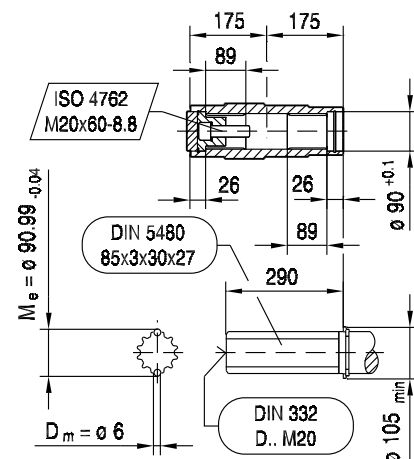
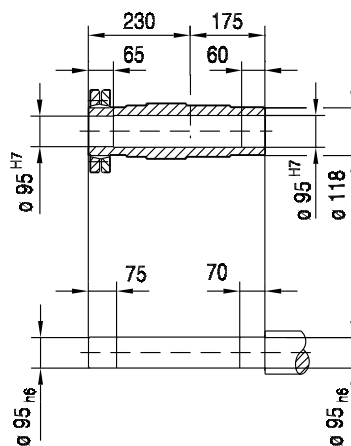
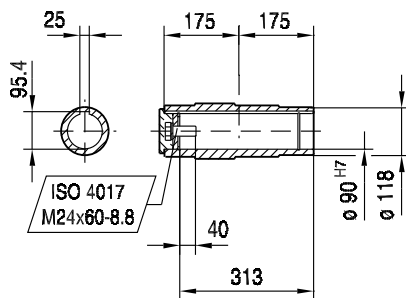
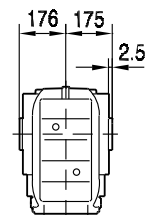


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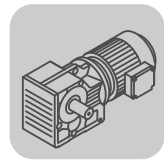
| (→ 131) | DR100M | DR100L/LC | DR132S | DR132M/MC | DR160.. | DR180S/M | DR180L/LC | DR225S | DR225M/MC |
|---------|--------|-----------|--------|-----------|---------|----------|-----------|--------|-----------|
| AC      | 197    | 197       | 221    | 221       | 270     | 316      | 316       | 394    | 394       |
| AD      | 157    | 157       | 170    | 170       | 228     | 253      | 253       | 283    | 283       |
| ADS     | 158    | 158       | 172    | 172       | 228     | 253      | 253       | 283    | 283       |
| L       | 827    | 857       | 900    | 950       | 991     | 1060     | 1120      | 1193   | 1243      |
| LS      | 920    | 950       | 1012   | 1062      | 1128    | 1249     | 1309      | 1398   | 1448      |
| LB      | 290    | 320       | 363    | 413       | 454     | 523      | 583       | 656    | 706       |
| LBS     | 383    | 413       | 475    | 525       | 591     | 712      | 772       | 861    | 911       |



33 115 00 06

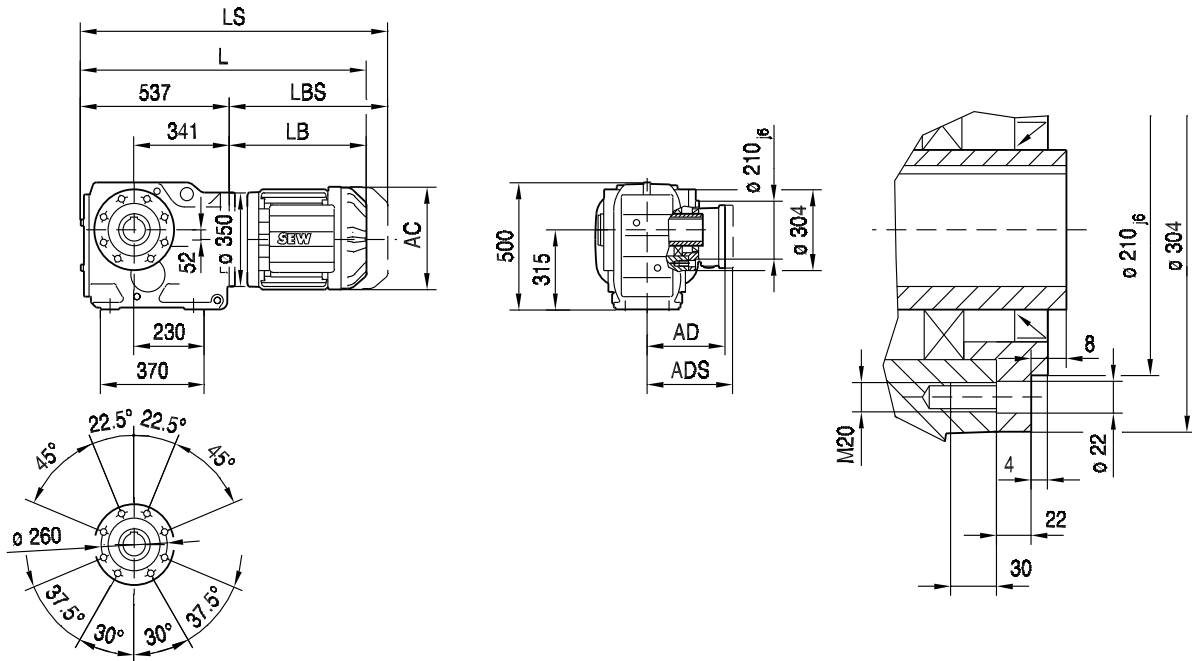
**KA107..****KA107..****KH107..****KV107..**

| (→ 131) | DR100M | DR100L/LC | DR132S | DR132M/MC | DR160.. | DR180S/M | DR180L/LC | DR225S | DR225M/MC |
|---------|--------|-----------|--------|-----------|---------|----------|-----------|--------|-----------|
| AC      | 197    | 197       | 221    | 221       | 270     | 316      | 316       | 394    | 394       |
| AD      | 157    | 157       | 170    | 170       | 228     | 253      | 253       | 283    | 283       |
| ADS     | 158    | 158       | 172    | 172       | 228     | 253      | 253       | 283    | 283       |
| L       | 827    | 857       | 900    | 950       | 991     | 1060     | 1120      | 1193   | 1243      |
| LS      | 920    | 950       | 1012   | 1062      | 1128    | 1249     | 1309      | 1398   | 1448      |
| LB      | 290    | 320       | 363    | 413       | 454     | 523      | 583       | 656    | 706       |
| LBS     | 383    | 413       | 475    | 525       | 591     | 712      | 772       | 861    | 911       |



## KAZ107..

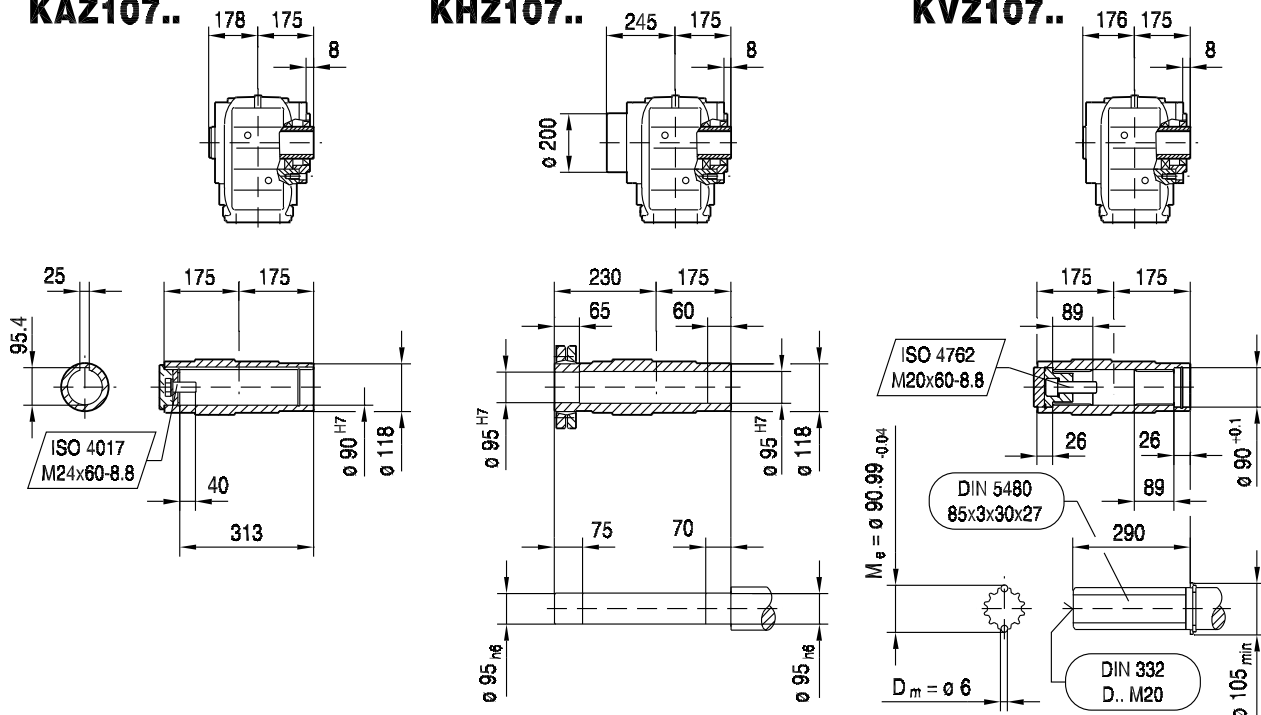
33 116 00 06<sup>L</sup>



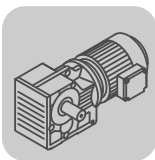
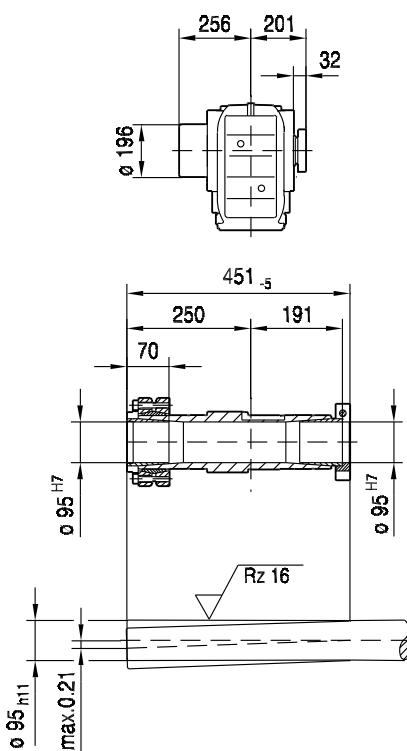
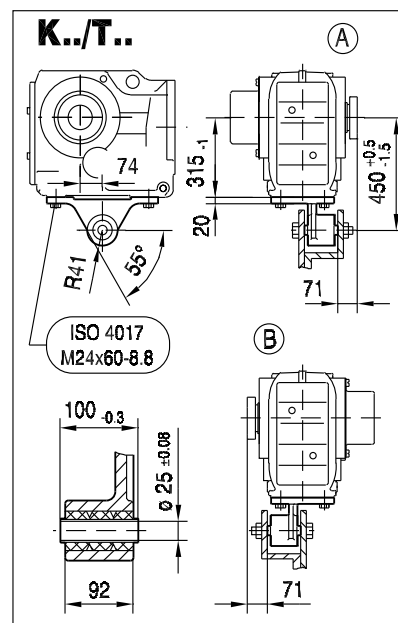
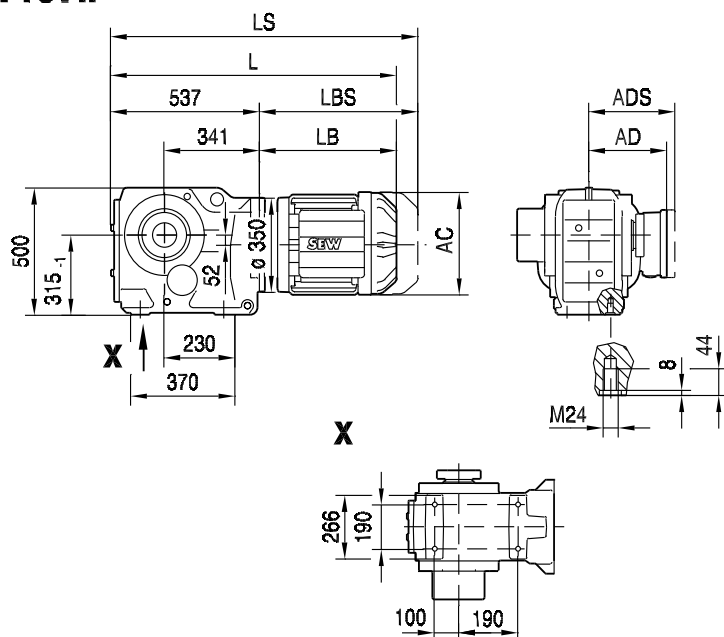
## KAZ107..

## KHZ107..

## KVZ107..



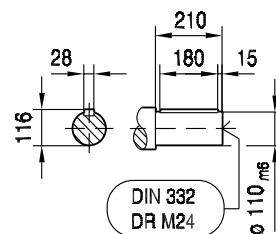
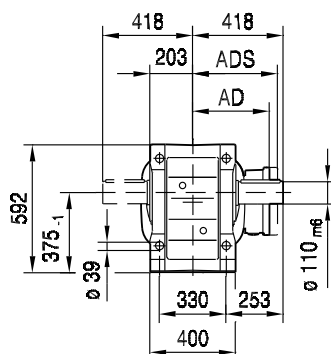
| (→ 131) | DR100M | DR100L/LC | DR132S | DR132M/MC | DR160.. | DR180S/M | DR180L/LC | DR225S | DR225M/MC |
|---------|--------|-----------|--------|-----------|---------|----------|-----------|--------|-----------|
| AC      | 197    | 197       | 221    | 221       | 270     | 316      | 316       | 394    | 394       |
| AD      | 157    | 157       | 170    | 170       | 228     | 253      | 253       | 283    | 283       |
| ADS     | 158    | 158       | 172    | 172       | 228     | 253      | 253       | 283    | 283       |
| L       | 827    | 857       | 900    | 950       | 991     | 1060     | 1120      | 1193   | 1243      |
| LS      | 920    | 950       | 1012   | 1062      | 1128    | 1249     | 1309      | 1398   | 1448      |
| LB      | 290    | 320       | 363    | 413       | 454     | 523      | 583       | 656    | 706       |
| LBS     | 383    | 413       | 475    | 525       | 591     | 712      | 772       | 861    | 911       |

**KT107..****33 117 00 06**

| (→ 131) | DR100M | DR100L/LC | DR132S | DR132M/MC | DR160.. | DR180S/M | DR180L/LC | DR225S | DR225M/MC |
|---------|--------|-----------|--------|-----------|---------|----------|-----------|--------|-----------|
| AC      | 197    | 197       | 221    | 221       | 270     | 316      | 316       | 394    | 394       |
| AD      | 157    | 157       | 170    | 170       | 228     | 253      | 253       | 283    | 283       |
| ADS     | 158    | 158       | 172    | 172       | 228     | 253      | 253       | 283    | 283       |
| L       | 827    | 857       | 900    | 950       | 991     | 1060     | 1120      | 1193   | 1243      |
| LS      | 920    | 950       | 1012   | 1062      | 1128    | 1249     | 1309      | 1398   | 1448      |
| LB      | 290    | 320       | 363    | 413       | 454     | 523      | 583       | 656    | 706       |
| LBS     | 383    | 413       | 475    | 525       | 591     | 712      | 772       | 861    | 911       |

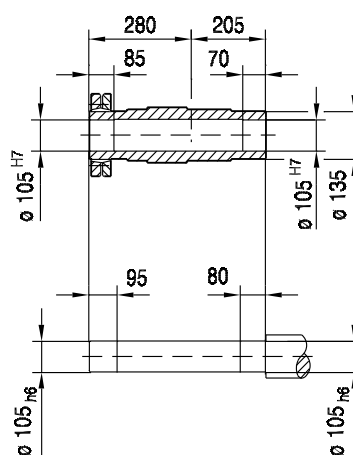
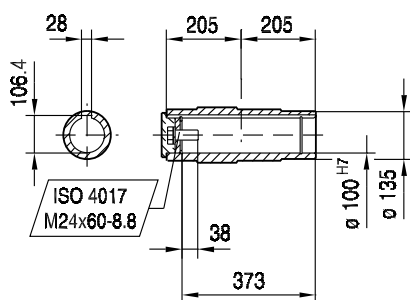


33 118 00 06

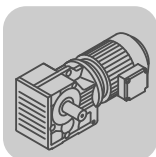


Technical drawing of a 1000mm x 1000mm floor plate. The drawing shows a top-down view of the plate with a central rectangular area. Dimensions are indicated: 208mm for the width of the central area, 205mm for the width of the side flange, 40mm for the thickness of the side flange, and 5mm for the thickness of the central area. The plate has a central rectangular area with a grid pattern and four circular holes, one in each corner. The drawing is labeled with '1000' and '1000' at the top and bottom, indicating the overall dimensions.

Technical drawing of a mechanical part, likely a bearing housing, showing dimensions: 296, 205, 40, 5, and Ø 233.

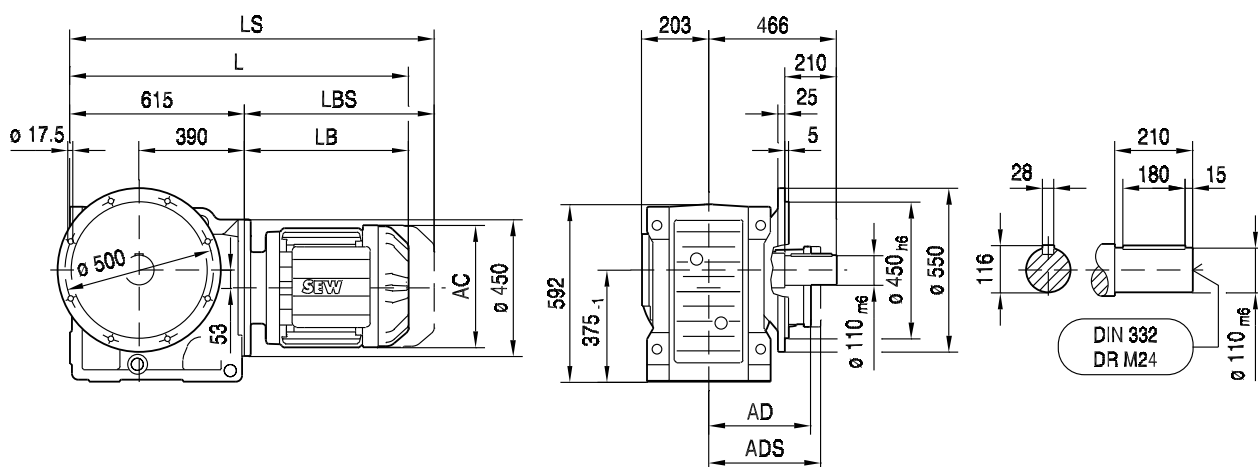
11



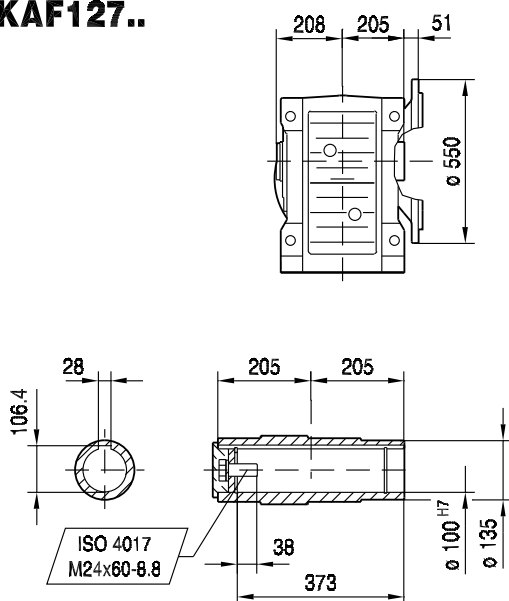


**33 119 00 06**

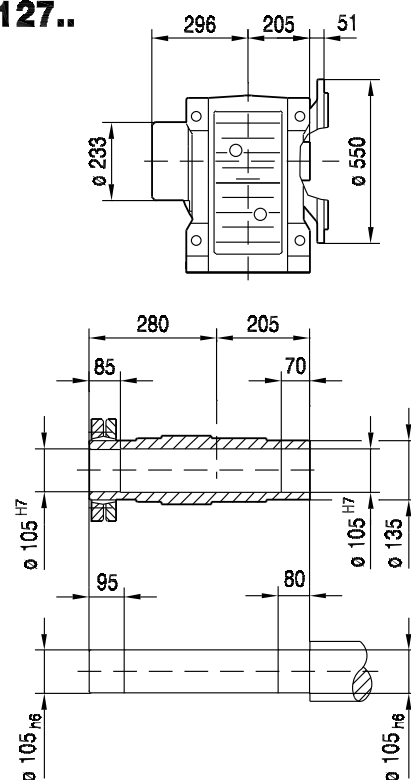
**KF127..**



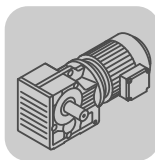
**KAF127..**



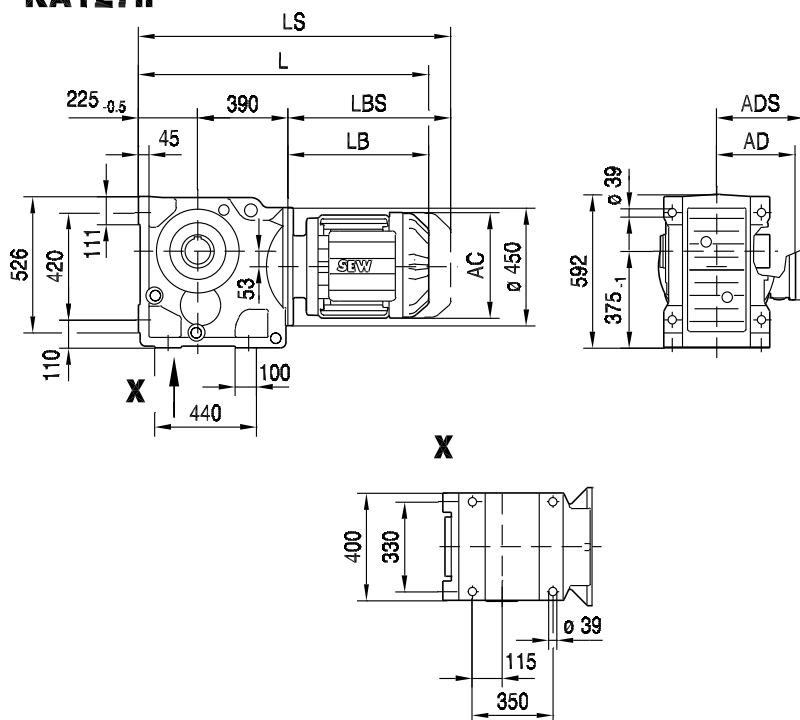
## KHF127..



| (→  131) | DR132M/MC | DR160.. | DR180S/M | DR180L/LC | DR225S | DR225M/MC | DV280.. |  |
|---------------------------------------------------------------------------------------------|-----------|---------|----------|-----------|--------|-----------|---------|--|
| <b>AC</b>                                                                                   | 221       | 270     | 316      | 316       | 394    | 394       | 510     |  |
| <b>AD</b>                                                                                   | 170       | 228     | 253      | 253       | 283    | 283       | 397     |  |
| <b>ADS</b>                                                                                  | 172       | 228     | 253      | 253       | 283    | 283       | 397     |  |
| <b>L</b>                                                                                    | 1013      | 1054    | 1123     | 1183      | 1256   | 1306      | 1395    |  |
| <b>LS</b>                                                                                   | 1125      | 1191    | 1312     | 1372      | 1461   | 1511      | 1580    |  |
| <b>LB</b>                                                                                   | 398       | 439     | 508      | 568       | 641    | 691       | 780     |  |
| <b>LBS</b>                                                                                  | 510       | 576     | 697      | 757       | 846    | 896       | 965     |  |

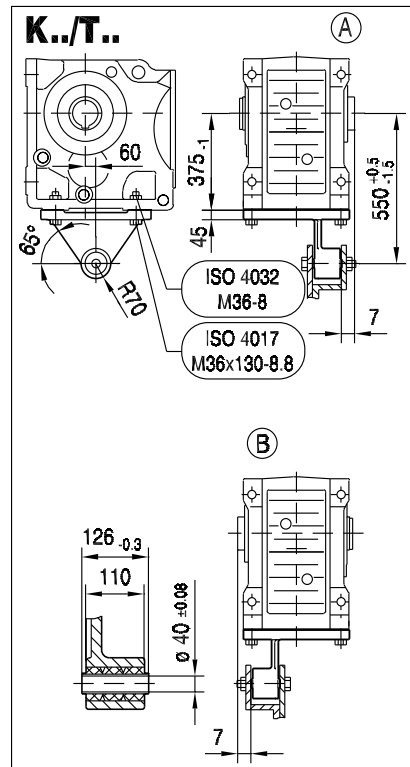


## KA127..

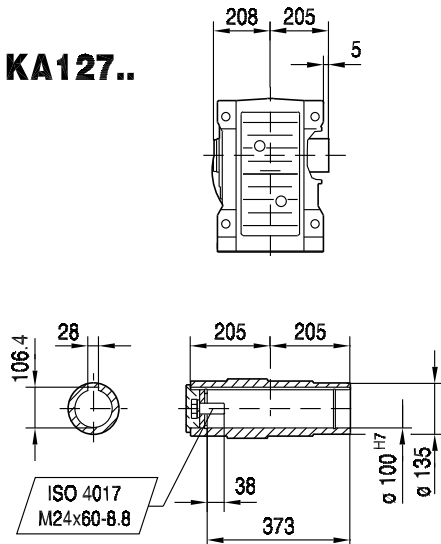


33 120 00 06<sup>L</sup>

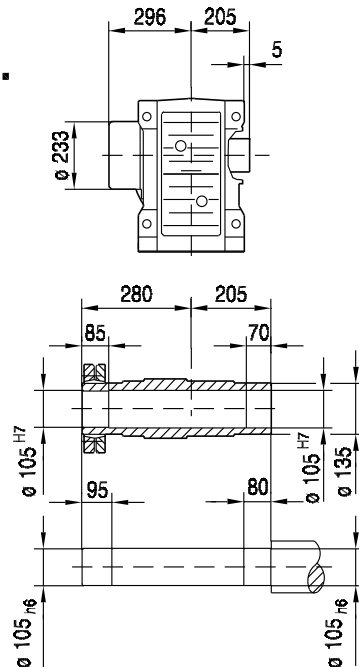
## K../T..



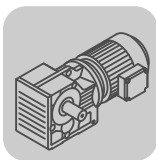
## KA127..



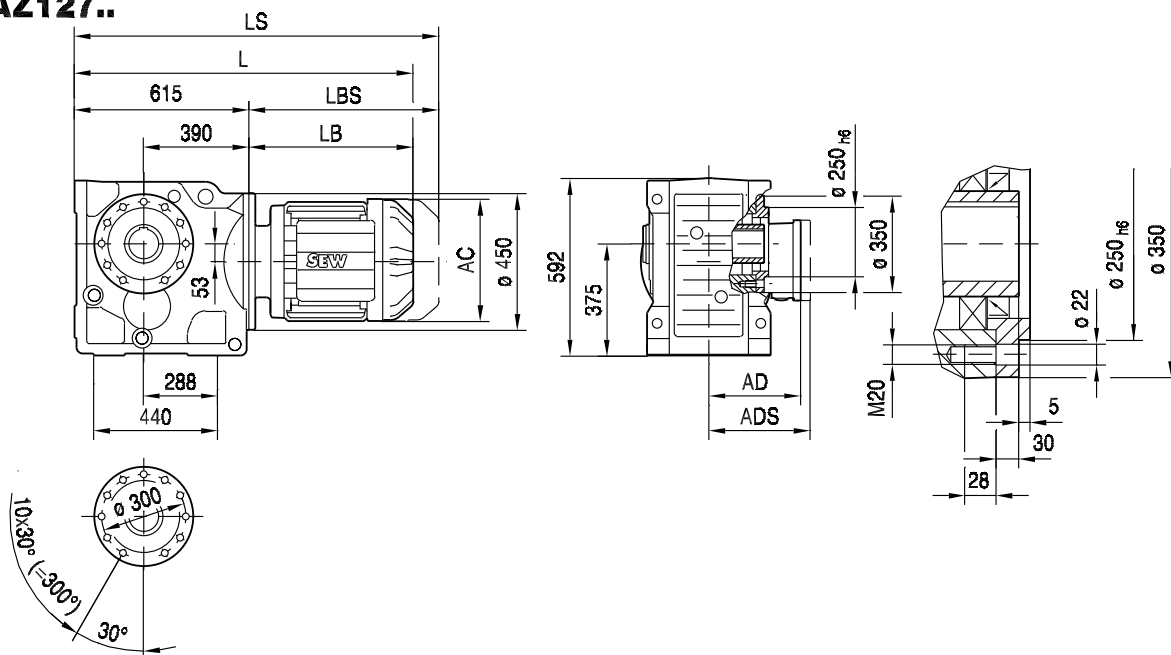
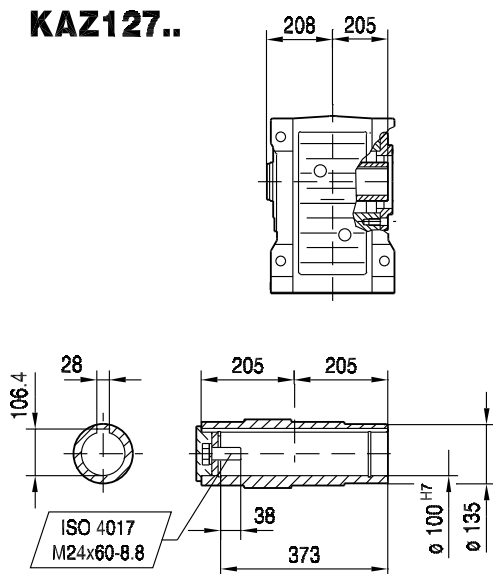
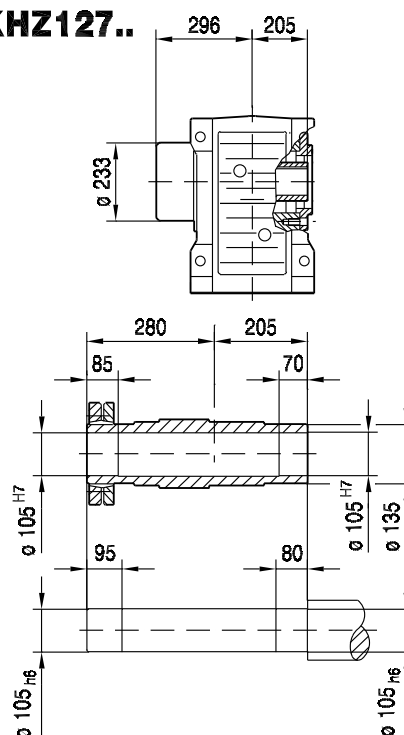
## KH127..



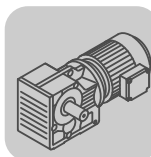
| (→ 131) | DR132M/MC | DR160.. | DR180S/M | DR180L/LC | DR225S | DR225M/MC | DV280.. |  |
|---------|-----------|---------|----------|-----------|--------|-----------|---------|--|
| AC      | 221       | 270     | 316      | 316       | 394    | 394       | 510     |  |
| AD      | 170       | 228     | 253      | 253       | 283    | 283       | 397     |  |
| ADS     | 172       | 228     | 253      | 253       | 283    | 283       | 397     |  |
| L       | 1013      | 1054    | 1123     | 1183      | 1256   | 1306      | 1395    |  |
| LS      | 1125      | 1191    | 1312     | 1372      | 1461   | 1511      | 1580    |  |
| LB      | 398       | 439     | 508      | 568       | 641    | 691       | 780     |  |
| LBS     | 510       | 576     | 697      | 757       | 846    | 896       | 965     |  |



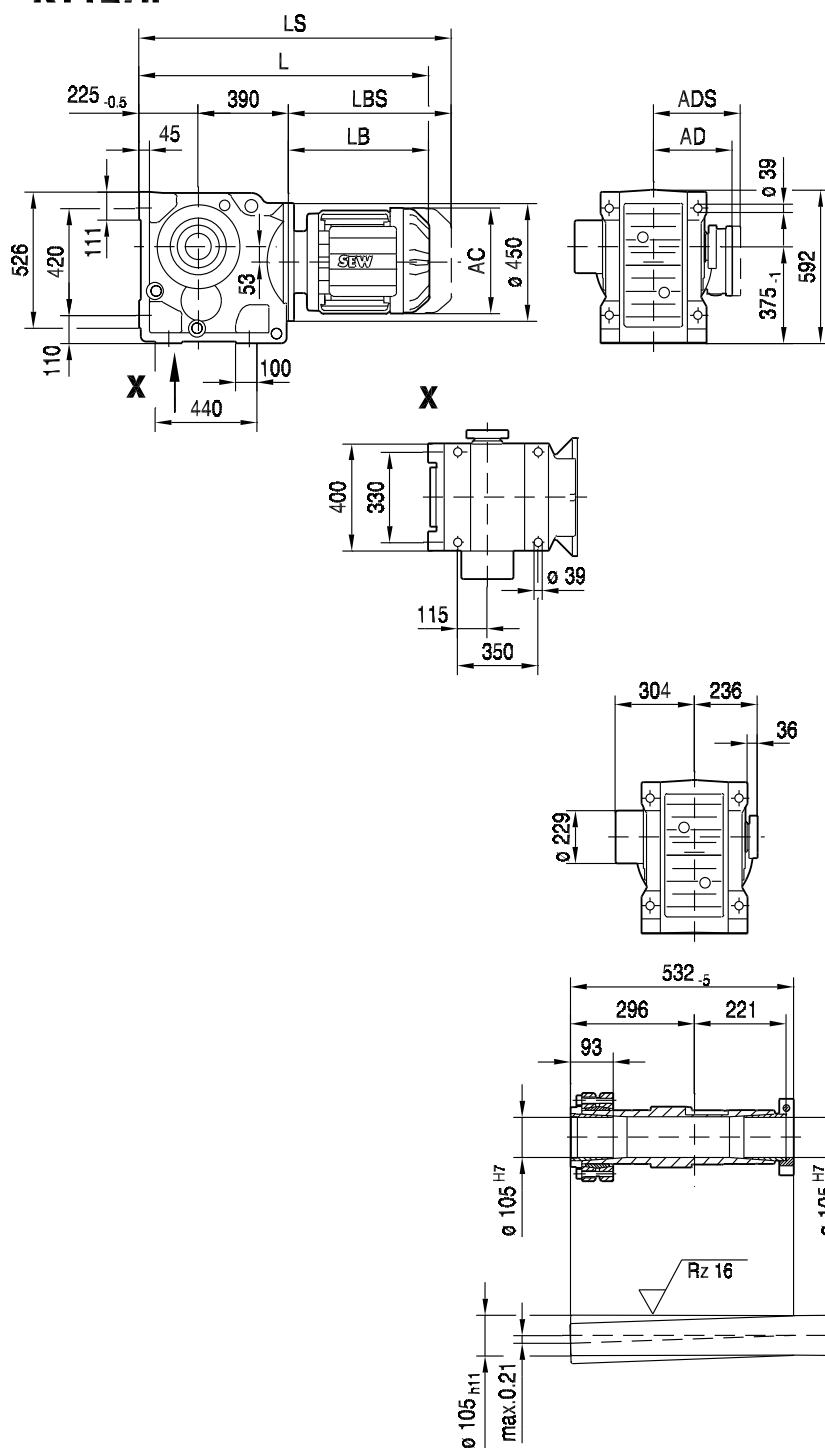
33 121 00 06

**KAZ127..****KAZ127..****KHZ127..**

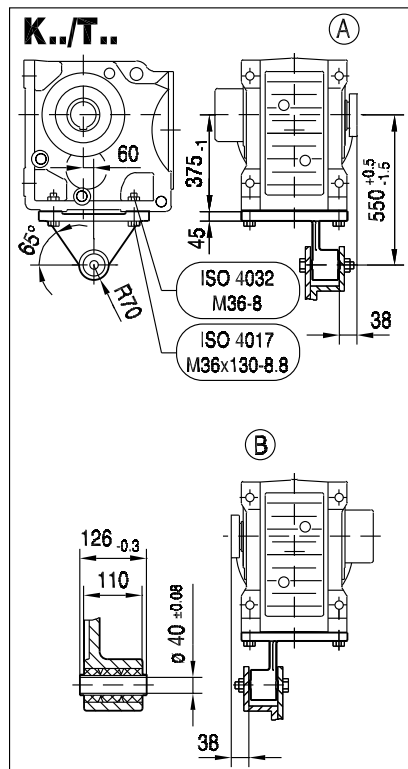
| (→ 131) | DR132M/MC | DR160.. | DR180S/M | DR180L/LC | DR225S | DR225M/MC | DV280.. |  |
|---------|-----------|---------|----------|-----------|--------|-----------|---------|--|
| AC      | 221       | 270     | 316      | 316       | 394    | 394       | 510     |  |
| AD      | 170       | 228     | 253      | 253       | 283    | 283       | 397     |  |
| ADS     | 172       | 228     | 253      | 253       | 283    | 283       | 397     |  |
| L       | 1013      | 1054    | 1123     | 1183      | 1256   | 1306      | 1395    |  |
| LS      | 1125      | 1191    | 1312     | 1372      | 1461   | 1511      | 1580    |  |
| LB      | 398       | 439     | 508      | 568       | 641    | 691       | 780     |  |
| LBS     | 510       | 576     | 697      | 757       | 846    | 896       | 965     |  |



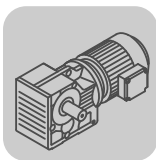
## KT127..



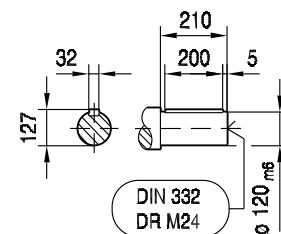
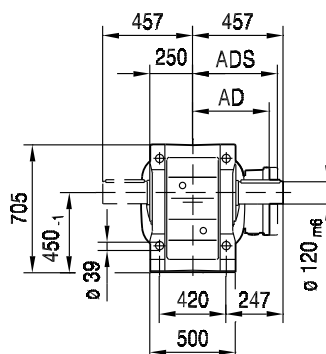
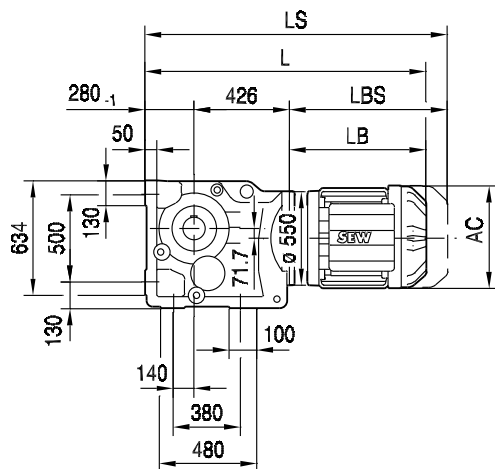
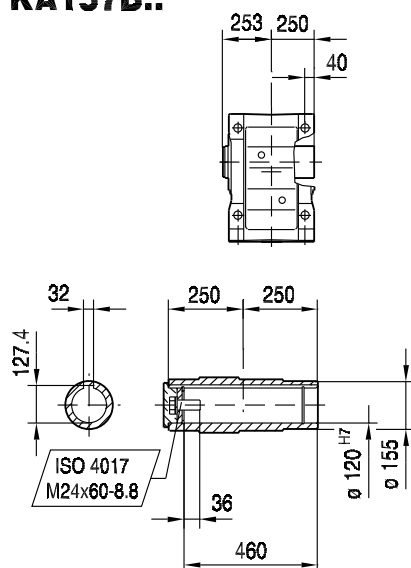
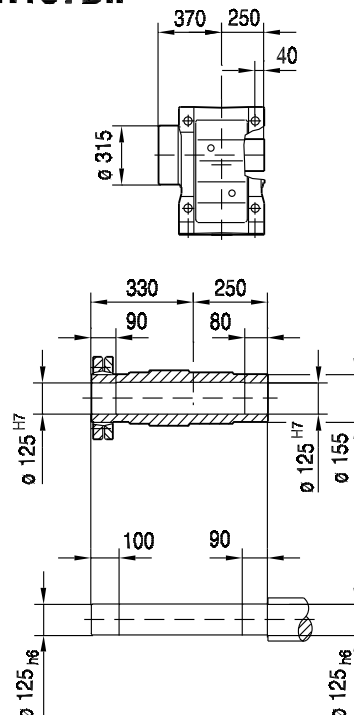
## 33 122 00 06



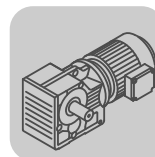
| (→ 131) | DR132M/MC | DR160.. | DR180S/M | DR180L/LC | DR225S | DR225M/MC | DV280.. |  |
|---------|-----------|---------|----------|-----------|--------|-----------|---------|--|
| AC      | 221       | 270     | 316      | 316       | 394    | 394       | 510     |  |
| AD      | 170       | 228     | 253      | 253       | 283    | 283       | 397     |  |
| ADS     | 172       | 228     | 253      | 253       | 283    | 283       | 397     |  |
| L       | 1013      | 1054    | 1123     | 1183      | 1256   | 1306      | 1395    |  |
| LS      | 1125      | 1191    | 1312     | 1372      | 1461   | 1511      | 1580    |  |
| LB      | 398       | 439     | 508      | 568       | 641    | 691       | 780     |  |
| LBS     | 510       | 576     | 697      | 757       | 846    | 896       | 965     |  |



33 123 00 06

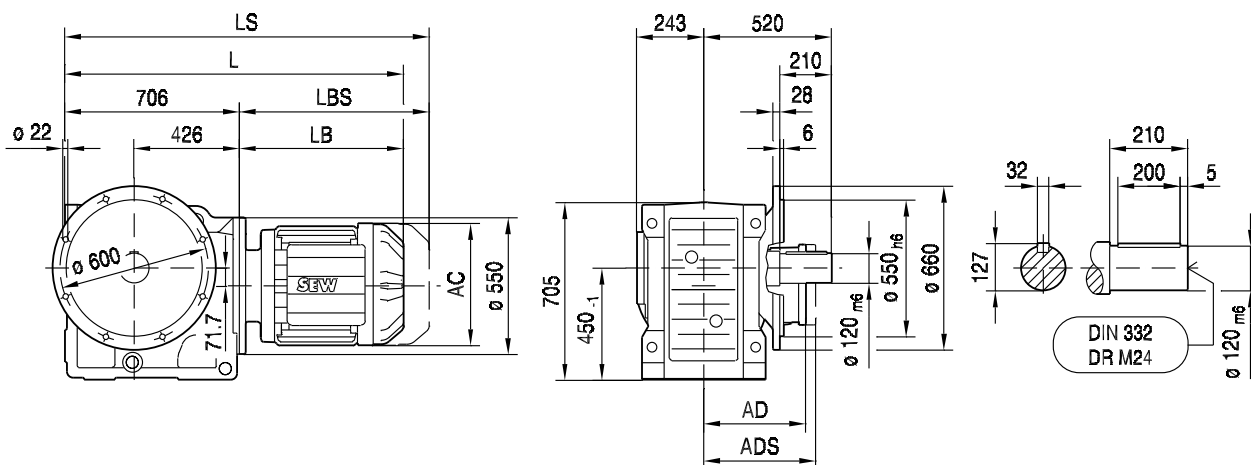
**K157..****KA157B..****KH157B..**

| (→ 131) | DR160.. | DR180S/M | DR180L/LC | DR225S | DR225M/MC | DV280.. | DR315K/S | DR315M/L |
|---------|---------|----------|-----------|--------|-----------|---------|----------|----------|
| AC      | 270     | 316      | 316       | 394    | 394       | 510     | 624      | 624      |
| AD      | 228     | 253      | 253       | 283    | 283       | 397     | 506      | 521      |
| ADS     | 228     | 253      | 253       | 283    | 283       | 397     | 506      | 521      |
| L       | 1137    | 1206     | 1266      | 1339   | 1389      | 1477    | 1647     | 1777     |
| LS      | 1274    | 1395     | 1455      | 1544   | 1594      | 1662    | 1898     | 2028     |
| LB      | 431     | 500      | 560       | 633    | 683       | 771     | 941      | 1071     |
| LBS     | 568     | 689      | 749       | 838    | 888       | 956     | 1192     | 1322     |

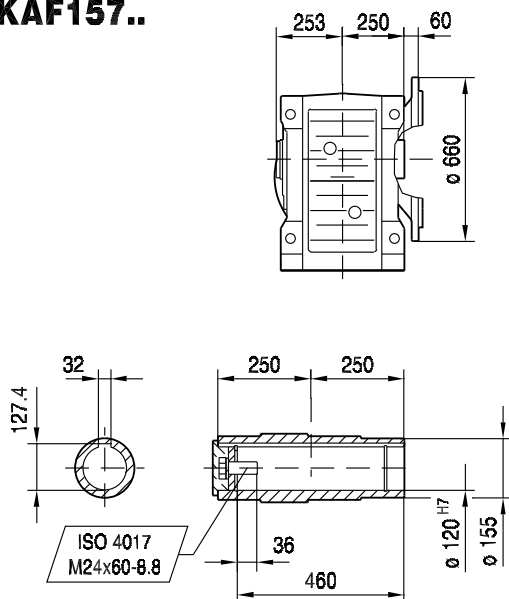


33 124 00 06<sup>L</sup>

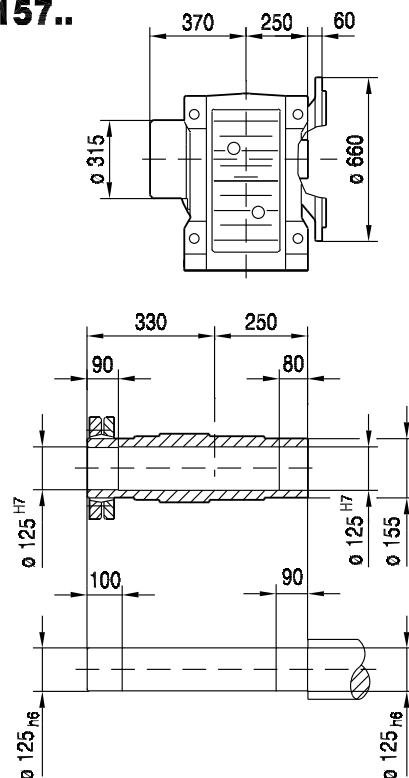
## KF157..



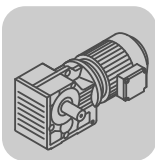
## KAF157..



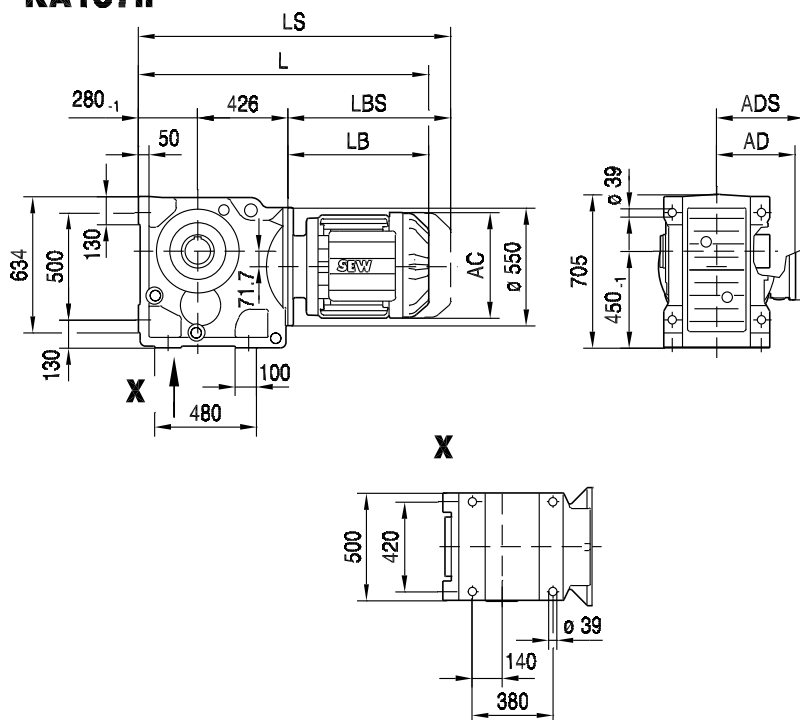
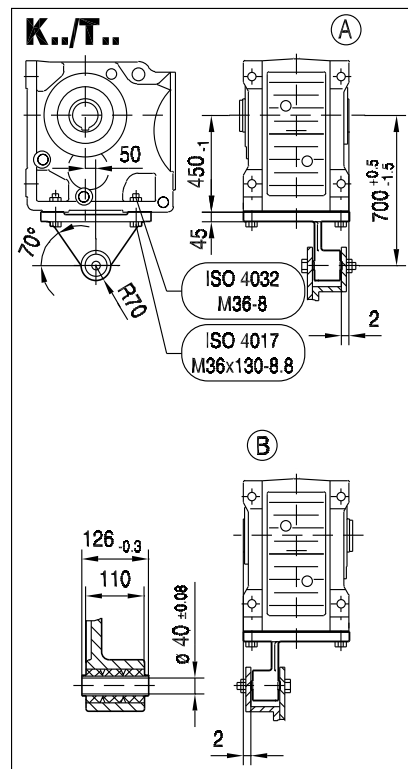
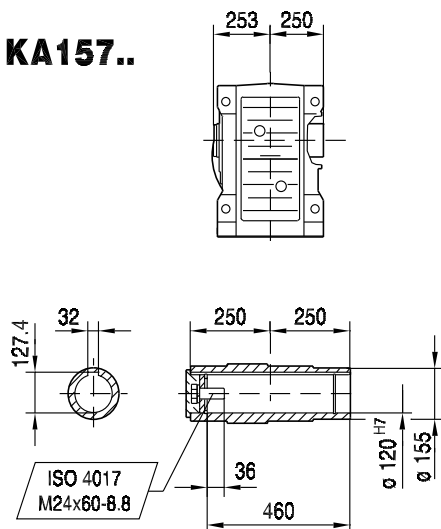
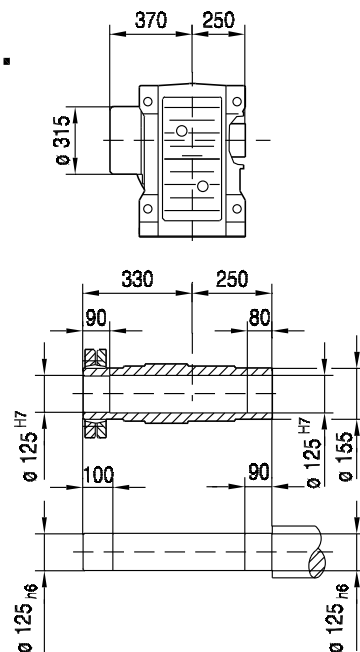
## KHF157..



| (→ 131) | DR160.. | DR180S/M | DR180L/LC | DR225S | DR225M/MC | DV280.. | DR315K/S | DR315M/L |
|---------|---------|----------|-----------|--------|-----------|---------|----------|----------|
| AC      | 270     | 316      | 316       | 394    | 394       | 510     | 624      | 624      |
| AD      | 228     | 253      | 253       | 283    | 283       | 397     | 506      | 521      |
| ADS     | 228     | 253      | 253       | 283    | 283       | 397     | 506      | 521      |
| L       | 1137    | 1206     | 1266      | 1339   | 1389      | 1477    | 1647     | 1777     |
| LS      | 1274    | 1395     | 1455      | 1544   | 1594      | 1662    | 1898     | 2028     |
| LB      | 431     | 500      | 560       | 633    | 683       | 771     | 941      | 1071     |
| LBS     | 568     | 689      | 749       | 838    | 888       | 956     | 1192     | 1322     |



33 125 00 06

**KA157..****K../T..****KA157..****KH157..**

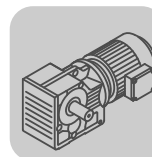
| (→ 131) | DR160.. | DR180S/M | DR180L/LC | DR225S | DR225M/MC | DV280.. | DR315K/S | DR315M/L |
|---------|---------|----------|-----------|--------|-----------|---------|----------|----------|
| AC      | 270     | 316      | 316       | 394    | 394       | 510     | 624      | 624      |
| AD      | 228     | 253      | 253       | 283    | 283       | 397     | 506      | 521      |
| ADS     | 228     | 253      | 253       | 283    | 283       | 397     | 506      | 521      |
| L       | 1137    | 1206     | 1266      | 1339   | 1389      | 1477    | 1647     | 1777     |
| LS      | 1274    | 1395     | 1455      | 1544   | 1594      | 1662    | 1898     | 2028     |
| LB      | 431     | 500      | 560       | 633    | 683       | 771     | 941      | 1071     |
| LBS     | 568     | 689      | 749       | 838    | 888       | 956     | 1192     | 1322     |





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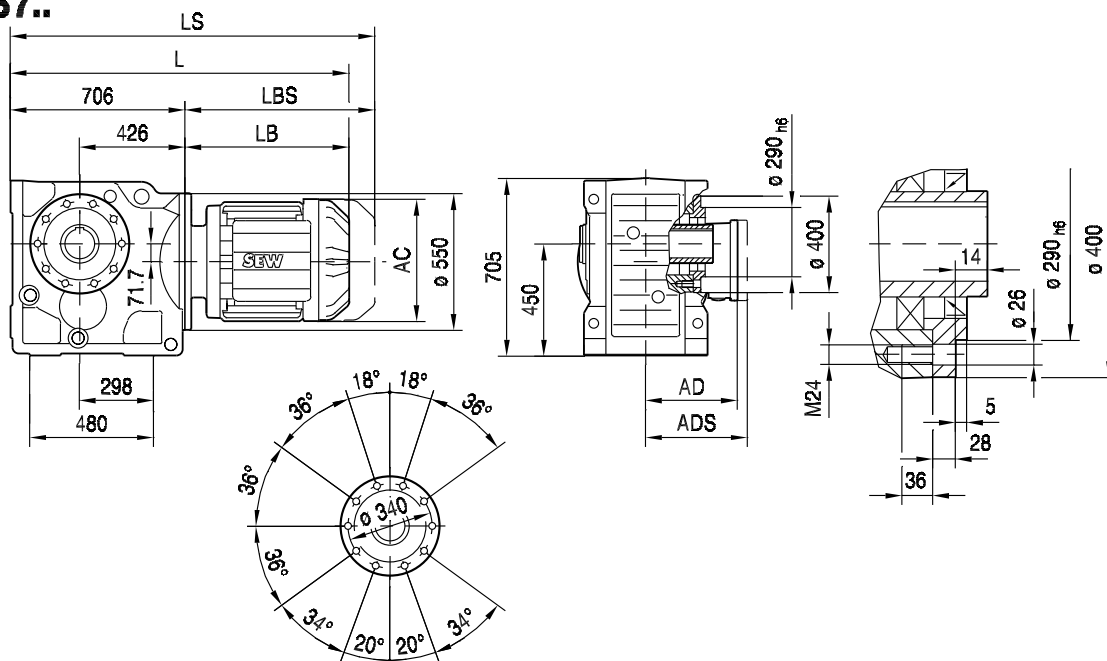
K..DRS  
K..DRS [mm]



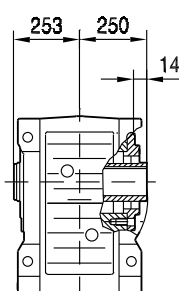
11

33 126 00 06<sup>L</sup>

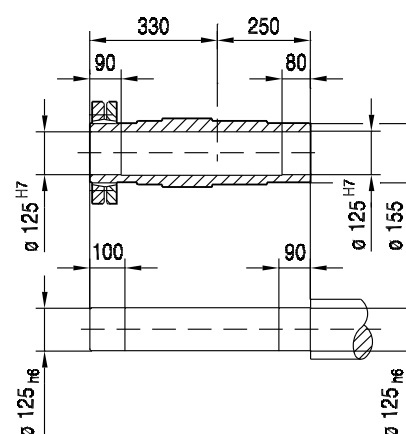
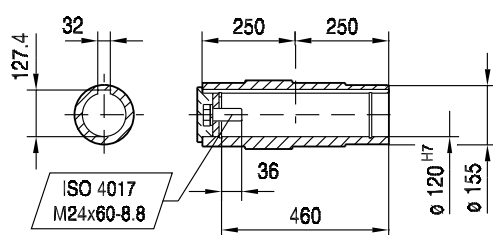
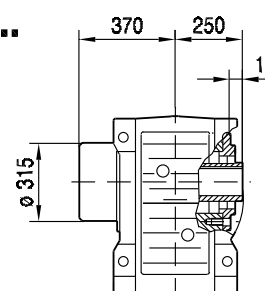
## KAZ157..



## KAZ157..

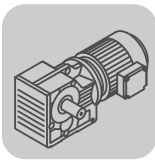


## KHZ157..

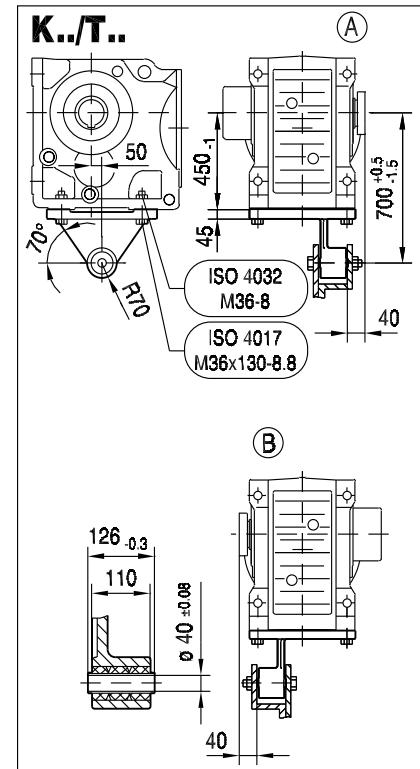
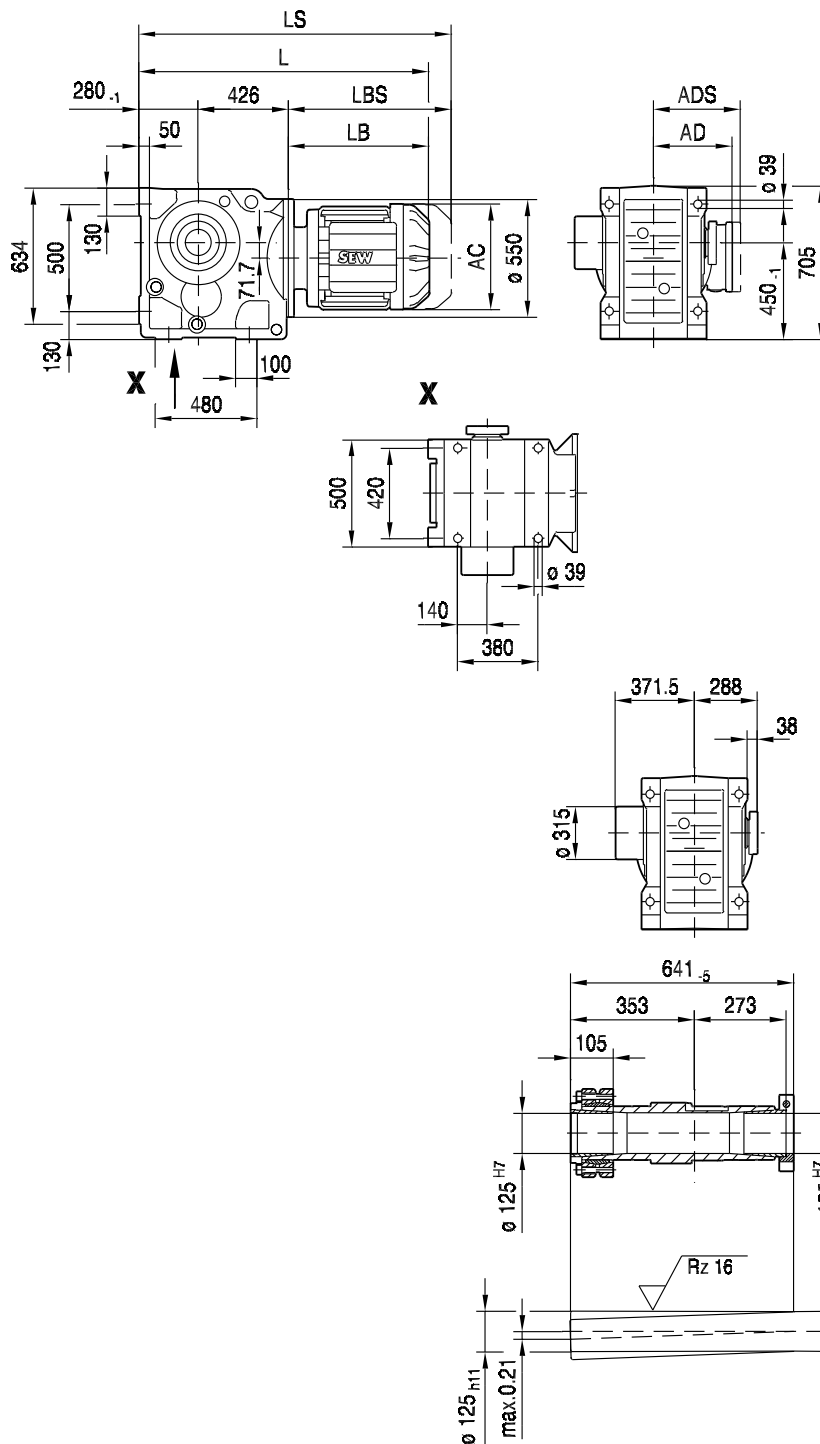


11

| (→ 131) | DR160.. | DR180S/M | DR180L/LC | DR225S | DR225M/MC | DV280.. | DR315K/S | DR315M/L |
|---------|---------|----------|-----------|--------|-----------|---------|----------|----------|
| AC      | 270     | 316      | 316       | 394    | 394       | 510     | 624      | 624      |
| AD      | 228     | 253      | 253       | 283    | 283       | 397     | 506      | 521      |
| ADS     | 228     | 253      | 253       | 283    | 283       | 397     | 506      | 521      |
| L       | 1137    | 1206     | 1266      | 1339   | 1389      | 1477    | 1647     | 1777     |
| LS      | 1274    | 1395     | 1455      | 1544   | 1594      | 1662    | 1898     | 2028     |
| LB      | 431     | 500      | 560       | 633    | 683       | 771     | 941      | 1071     |
| LBS     | 568     | 689      | 749       | 838    | 888       | 956     | 1192     | 1322     |



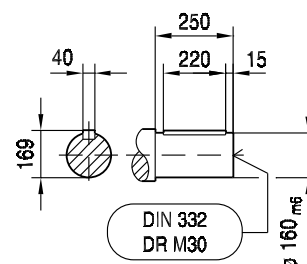
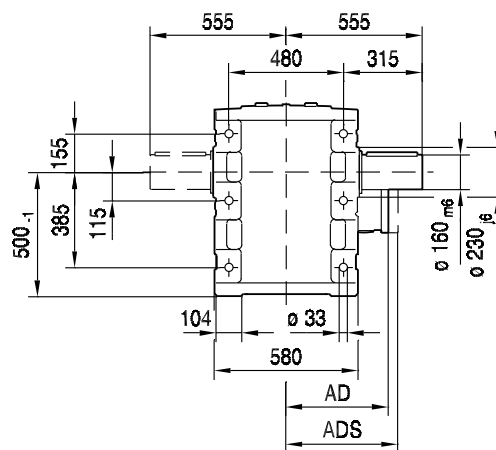
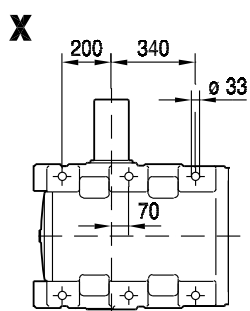
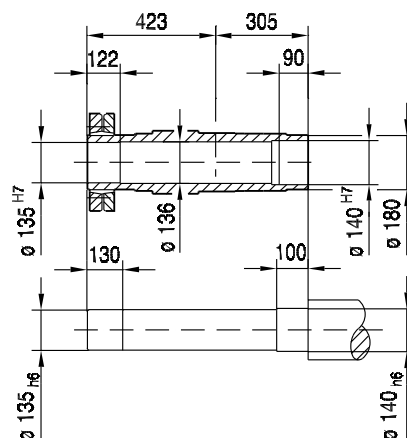
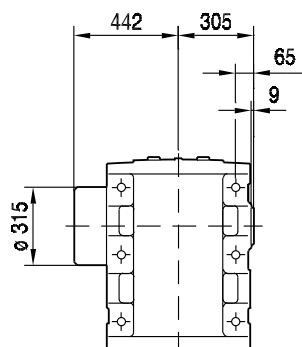
33 127 00 06

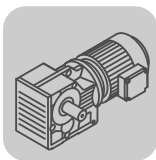
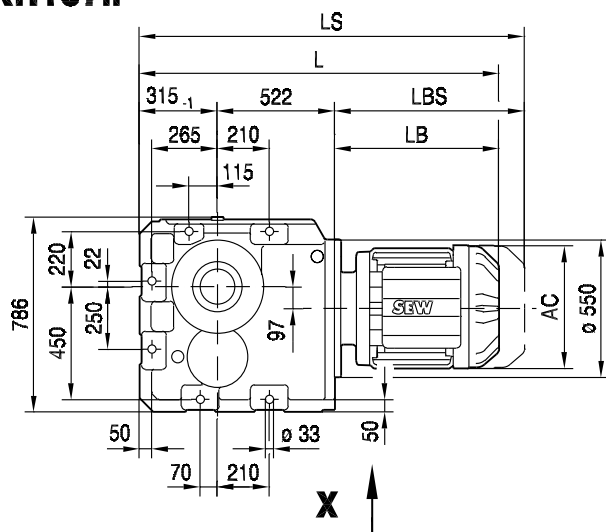
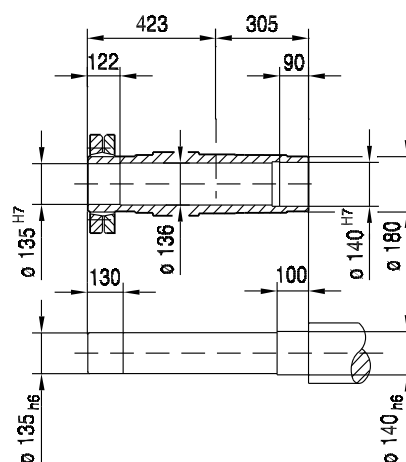
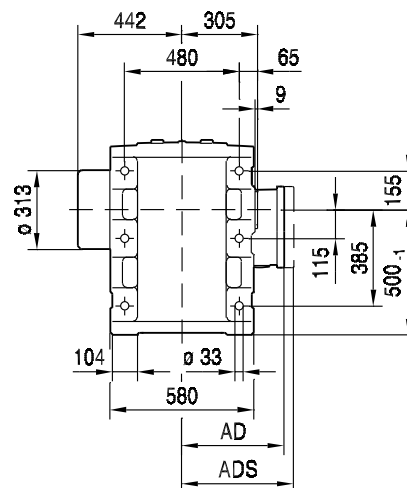
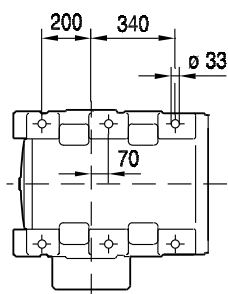
**KT157..**

| (→ 131) | DR160.. | DR180S/M | DR180L/LC | DR225S | DR225M/MC | DV280.. | DR315K/S | DR315M/L |
|---------|---------|----------|-----------|--------|-----------|---------|----------|----------|
| AC      | 270     | 316      | 316       | 394    | 394       | 510     | 624      | 624      |
| AD      | 228     | 253      | 253       | 283    | 283       | 397     | 506      | 521      |
| ADS     | 228     | 253      | 253       | 283    | 283       | 397     | 506      | 521      |
| L       | 1137    | 1206     | 1266      | 1339   | 1389      | 1477    | 1647     | 1777     |
| LS      | 1274    | 1395     | 1455      | 1544   | 1594      | 1662    | 1898     | 2028     |
| LB      | 431     | 500      | 560       | 633    | 683       | 771     | 941      | 1071     |
| LBS     | 568     | 689      | 749       | 838    | 888       | 956     | 1192     | 1322     |



**K167..**

**KH167B..**11


**33 129 00 06**
**KH167..**

**X**


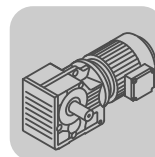
7

| (→ 131) | DR160.. | DR180S/M | DR180L/LC | DR225S | DR225M/MC | DV280.. | DR315K/S | DR315M/L |
|---------|---------|----------|-----------|--------|-----------|---------|----------|----------|
| AC      | 270     | 316      | 316       | 394    | 394       | 510     | 624      | 624      |
| AD      | 228     | 253      | 253       | 283    | 283       | 397     | 506      | 521      |
| ADS     | 228     | 253      | 253       | 283    | 283       | 397     | 506      | 521      |
| L       | 1268    | 1337     | 1397      | 1470   | 1520      | 1608    | 1778     | 1908     |
| LS      | 1405    | 1526     | 1586      | 1675   | 1725      | 1793    | 2029     | 2159     |
| LB      | 431     | 500      | 560       | 633    | 683       | 771     | 941      | 1071     |
| LBS     | 568     | 689      | 749       | 838    | 888       | 956     | 1192     | 1322     |



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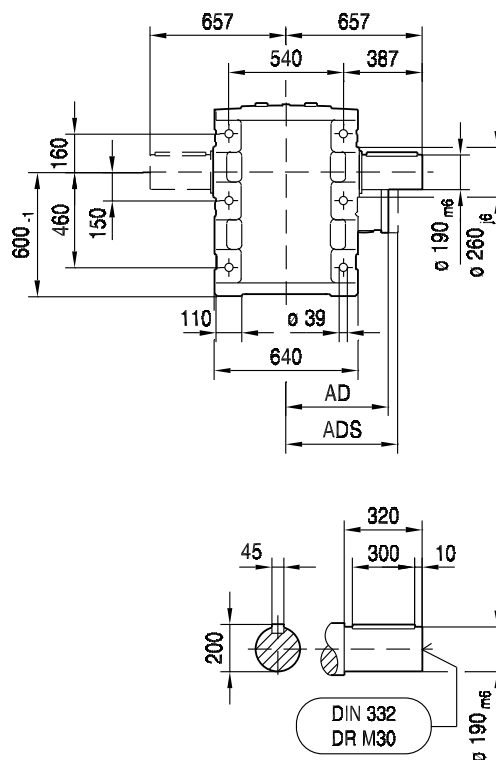
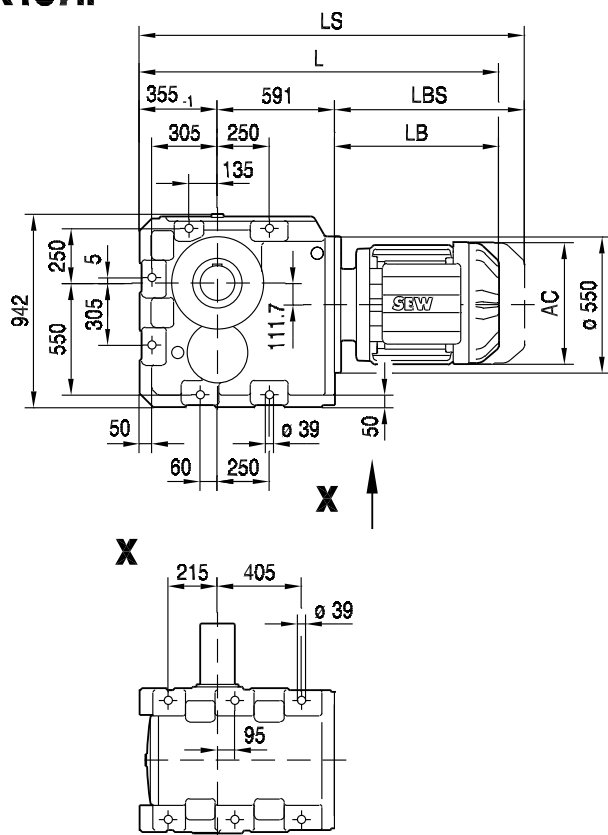
K..DRS  
K..DRS [mm]



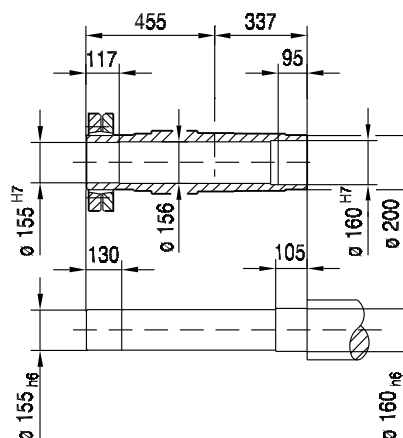
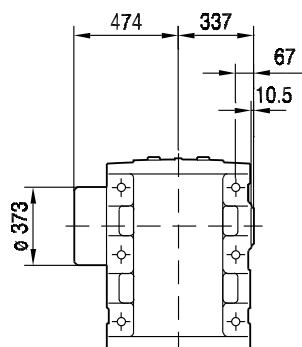
11

33 130 00 06<sup>L</sup>

**K187..**

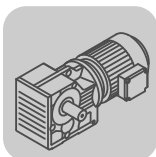


**KH187B..**



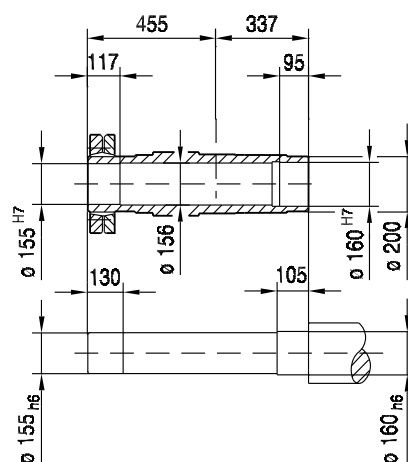
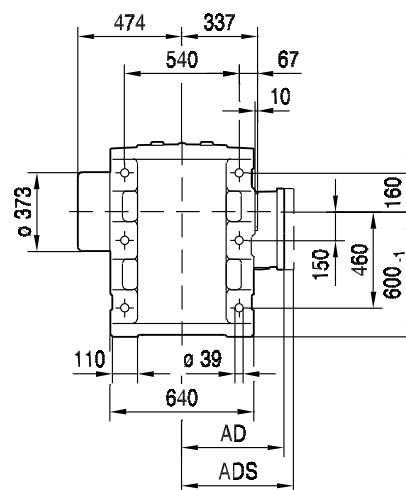
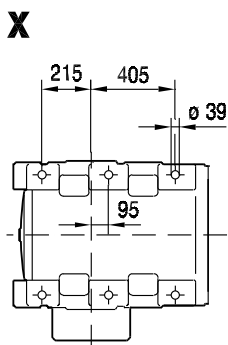
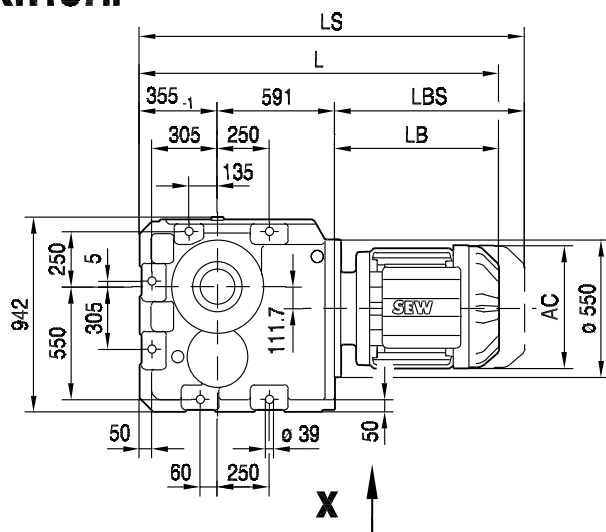
11

| (→ 131) | DR180S/M | DR180L/LC | DR225S | DR225M/MC | DV280.. | DR315K/S | DR315M/L |  |
|---------|----------|-----------|--------|-----------|---------|----------|----------|--|
| AC      | 316      | 316       | 394    | 394       | 510     | 624      | 624      |  |
| AD      | 253      | 253       | 283    | 283       | 397     | 506      | 521      |  |
| ADS     | 253      | 253       | 283    | 283       | 397     | 506      | 521      |  |
| L       | 1446     | 1506      | 1579   | 1629      | 1717    | 1887     | 2017     |  |
| LS      | 1635     | 1695      | 1784   | 1834      | 1902    | 2138     | 2268     |  |
| LB      | 500      | 560       | 633    | 683       | 771     | 941      | 1071     |  |
| LBS     | 689      | 749       | 838    | 888       | 956     | 1192     | 1322     |  |

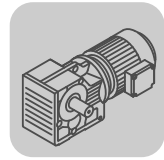


**33 131 00 06**

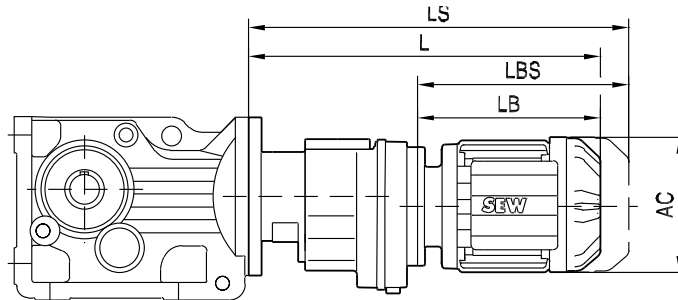
**KH187..**



| (→  131) | DR180S/M | DR180L/LC | DR225S | DR225M/MC | DV280.. | DR315K/S | DR315M/L |  |
|---------------------------------------------------------------------------------------------|----------|-----------|--------|-----------|---------|----------|----------|--|
| AC                                                                                          | 316      | 316       | 394    | 394       | 510     | 624      | 624      |  |
| AD                                                                                          | 253      | 253       | 283    | 283       | 397     | 506      | 521      |  |
| ADS                                                                                         | 253      | 253       | 283    | 283       | 397     | 506      | 521      |  |
| L                                                                                           | 1446     | 1506      | 1579   | 1629      | 1717    | 1887     | 2017     |  |
| LS                                                                                          | 1635     | 1695      | 1784   | 1834      | 1902    | 2138     | 2268     |  |
| LB                                                                                          | 500      | 560       | 633    | 683       | 771     | 941      | 1071     |  |
| LBS                                                                                         | 689      | 749       | 838    | 888       | 956     | 1192     | 1322     |  |



33 133 00 06



| (→ 131)              |           | AC  | L   | LS  | LB  | LBS |
|----------------------|-----------|-----|-----|-----|-----|-----|
| K..37R17             | DR63S..   | 132 | 324 | 379 | 149 | 204 |
|                      | DR71S..   | 139 | 335 | 403 | 160 | 228 |
| K..47R17             | DR63S..   | 132 | 356 | 411 | 191 | 246 |
|                      | DR71S..   | 139 | 367 | 435 | 202 | 270 |
|                      | DR71M..   | 139 | 392 | 460 | 227 | 295 |
|                      | DR80S..   | 156 | 401 | 482 | 236 | 317 |
| K..57R37<br>K..67R37 | DR63..    | 132 | 356 | 411 | 191 | 246 |
|                      | DR71S..   | 139 | 367 | 435 | 202 | 270 |
|                      | DR71M..   | 139 | 392 | 460 | 227 | 295 |
|                      | DR80S..   | 156 | 401 | 482 | 236 | 317 |
|                      | DR80M..   | 156 | 432 | 513 | 267 | 348 |
| K..77R37             | DR63..    | 132 | 348 | 403 | 191 | 246 |
|                      | DR71S..   | 139 | 359 | 427 | 202 | 270 |
|                      | DR71M..   | 139 | 384 | 452 | 227 | 295 |
|                      | DR80S..   | 156 | 393 | 474 | 236 | 317 |
|                      | DR80M..   | 156 | 424 | 505 | 267 | 348 |
|                      | DR90M..   | 179 | 426 | 519 | 269 | 362 |
|                      | DR90L..   | 179 | 446 | 539 | 289 | 382 |
| K..87R57             | DR63..    | 132 | 401 | 456 | 185 | 240 |
|                      | DR71S..   | 139 | 412 | 479 | 196 | 263 |
|                      | DR71M..   | 139 | 437 | 504 | 221 | 288 |
|                      | DR80S..   | 156 | 446 | 527 | 230 | 311 |
|                      | DR80M..   | 156 | 477 | 558 | 261 | 342 |
|                      | DR90M..   | 179 | 478 | 572 | 262 | 356 |
|                      | DR90L..   | 179 | 498 | 592 | 282 | 376 |
|                      | DR100M..  | 197 | 528 | 622 | 312 | 406 |
|                      | DR100LC.. | 197 | 553 | 647 | 342 | 436 |
| K..97R57             | DR63..    | 132 | 396 | 451 | 185 | 240 |
|                      | DR71S..   | 139 | 407 | 474 | 196 | 263 |
|                      | DR71M..   | 139 | 432 | 499 | 221 | 288 |
|                      | DR80S..   | 156 | 441 | 522 | 230 | 311 |
|                      | DR80M..   | 156 | 472 | 553 | 261 | 342 |
|                      | DR90M..   | 179 | 473 | 567 | 262 | 356 |
|                      | DR90L..   | 179 | 493 | 587 | 282 | 376 |
|                      | DR100M..  | 197 | 523 | 617 | 312 | 406 |
|                      | DR100LC.. | 197 | 553 | 647 | 342 | 436 |
| K..107R77            | DR63..    | 132 | 426 | 481 | 179 | 234 |
|                      | DR71S..   | 139 | 437 | 504 | 190 | 257 |
|                      | DR71M..   | 139 | 462 | 529 | 215 | 282 |
|                      | DR80S..   | 156 | 470 | 551 | 223 | 304 |
|                      | DR80M..   | 156 | 501 | 582 | 254 | 335 |
|                      | DR90M..   | 179 | 501 | 595 | 254 | 348 |
|                      | DR90L..   | 179 | 521 | 615 | 274 | 368 |
|                      | DR100M..  | 197 | 551 | 645 | 304 | 398 |
|                      | DR100LC.. | 197 | 581 | 675 | 334 | 428 |
|                      | DR132S..  | 221 | 626 | 738 | 379 | 491 |
| K..127R77            | DR63..    | 132 | 411 | 466 | 179 | 234 |

| (→ 131)                  |             | AC  | L    | LS   | LB  | LBS |
|--------------------------|-------------|-----|------|------|-----|-----|
| K..127R77                | DR71S..     | 139 | 422  | 489  | 190 | 257 |
|                          | DR71M..     | 139 | 447  | 514  | 215 | 282 |
|                          | DR80S..     | 156 | 455  | 536  | 223 | 304 |
|                          | DR80M..     | 156 | 486  | 567  | 254 | 335 |
|                          | DR90M..     | 179 | 486  | 580  | 254 | 348 |
|                          | DR90L..     | 179 | 506  | 600  | 274 | 368 |
|                          | DR100M..    | 197 | 536  | 630  | 304 | 398 |
|                          | DR100LC..   | 197 | 566  | 660  | 334 | 428 |
|                          | DR132S..    | 221 | 611  | 723  | 379 | 491 |
|                          | DR132M/MC.. | 221 | 704  | 816  | 424 | 536 |
| K..127R87                | DR90M..     | 179 | 530  | 624  | 250 | 344 |
|                          | DR90L..     | 179 | 550  | 644  | 270 | 364 |
|                          | DR100M..    | 197 | 580  | 674  | 300 | 394 |
|                          | DR100LC..   | 197 | 610  | 704  | 330 | 424 |
|                          | DR132S..    | 221 | 654  | 766  | 374 | 486 |
|                          | DR132M/MC.. | 221 | 704  | 816  | 424 | 536 |
|                          | DR160..     | 272 | 745  | 882  | 465 | 602 |
| K..157R97<br>K..167R97   | DR71M..     | 139 | 529  | 596  | 204 | 271 |
|                          | DR80S..     | 156 | 538  | 619  | 213 | 294 |
|                          | DR80M..     | 156 | 569  | 650  | 244 | 325 |
|                          | DR90M..     | 179 | 569  | 663  | 244 | 338 |
|                          | DR90L..     | 179 | 589  | 683  | 264 | 358 |
|                          | DR100M..    | 197 | 619  | 713  | 294 | 388 |
|                          | DR100LC..   | 197 | 649  | 743  | 324 | 418 |
|                          | DR132S..    | 221 | 694  | 806  | 369 | 481 |
|                          | DR132M/MC.. | 221 | 744  | 856  | 419 | 531 |
|                          | DR160..     | 272 | 785  | 922  | 460 | 597 |
| K..187R97                | DR71M..     | 139 | 529  | 596  | 204 | 271 |
|                          | DR80S..     | 156 | 538  | 619  | 213 | 294 |
|                          | DR80M..     | 156 | 569  | 650  | 244 | 325 |
|                          | DR90M..     | 179 | 569  | 663  | 244 | 338 |
|                          | DR90L..     | 179 | 589  | 683  | 264 | 358 |
|                          | DR100M..    | 197 | 619  | 713  | 294 | 388 |
|                          | DR100LC..   | 197 | 649  | 743  | 324 | 418 |
|                          | DR132S..    | 221 | 694  | 806  | 369 | 481 |
|                          | DR132M/MC.. | 221 | 744  | 856  | 419 | 531 |
|                          | DR160..     | 272 | 785  | 922  | 460 | 597 |
| K..157R107               | DR132MC..   | 221 | 795  | 907  | 413 | 525 |
|                          | DR160..     | 272 | 836  | 973  | 454 | 591 |
|                          | DR180M      | 317 | 922  | 1121 | 540 | 739 |
|                          | DR180L/HC   | 317 | 982  | 1181 | 600 | 799 |
| K..167R107<br>K..187R107 | DR132M/MC.. | 221 | 795  | 907  | 413 | 525 |
|                          | DR160..     | 272 | 836  | 973  | 454 | 591 |
|                          | DR180M..    | 317 | 922  | 1121 | 540 | 739 |
|                          | DR180L/HC   | 317 | 982  | 1181 | 600 | 799 |
|                          | DR225S..    | 394 | 1023 | 1243 | 641 | 861 |
|                          | DR225M/MC.. | 394 | 1088 | 1308 | 706 | 926 |