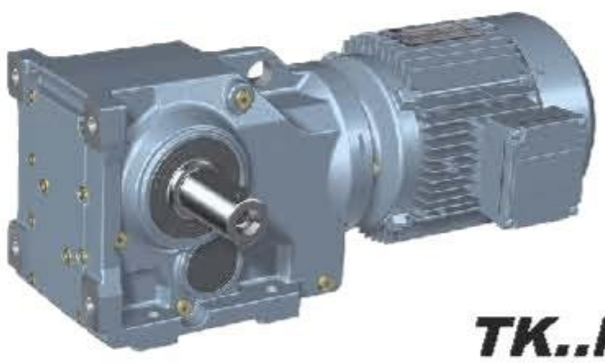
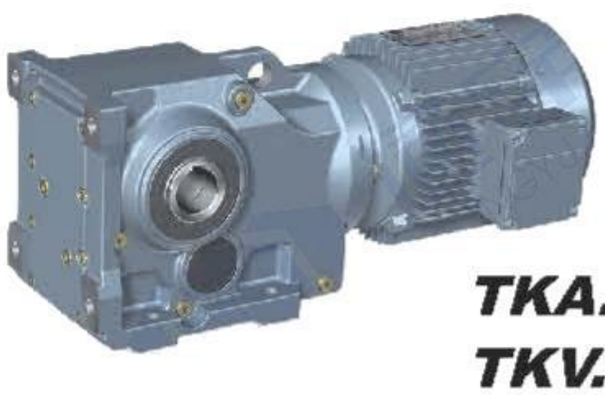
## 5.1 PRODUCT PICTURE



TK..MY..



TKF..MY..



TKA..B MY..
TKV..B MY..



TKH..B MY..



TKA..MY..
TKV..MY..



TKH..MY..



TKAF..MY..
TKVF..MY..



TKHF..MY..



TKAZ..MY..
TKVZ..MY..



TKHZ..MY..

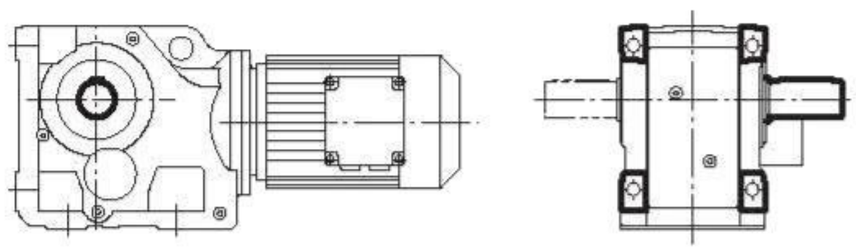


TK..AM(IEC)..



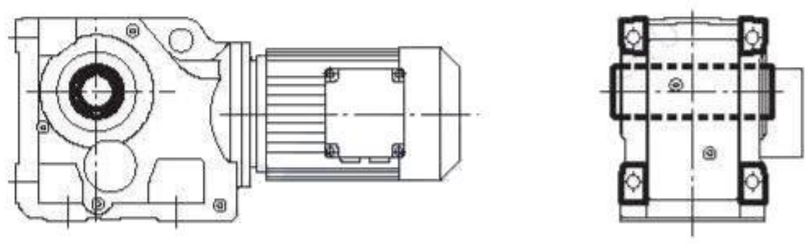
TK..AD..

## *5.1.2 Designs*



**TK..MY..**

Foot-mounted helical-bevel geared motor

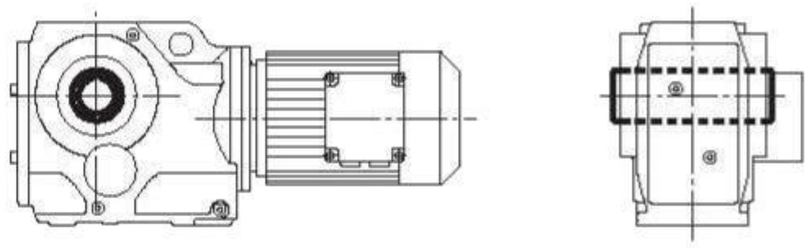


**TKA..B MY..**

Foot-mounted helical-bevel geared motor with hollow shaft

**TKV..B MY..**

Foot-mounted helical-bevel geared motor with splined hollow shaft to DIN 5480

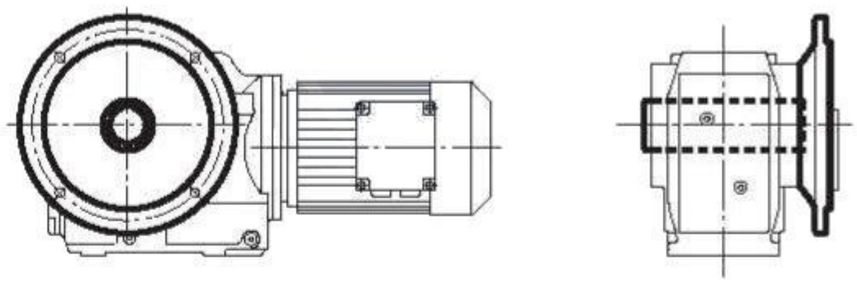


**TKA..MY..**

Helical-bevel geared motor with hollow shaft

**TKV..MY..**

Helical-bevel geared motor with splined hollow shaft to DIN 5480

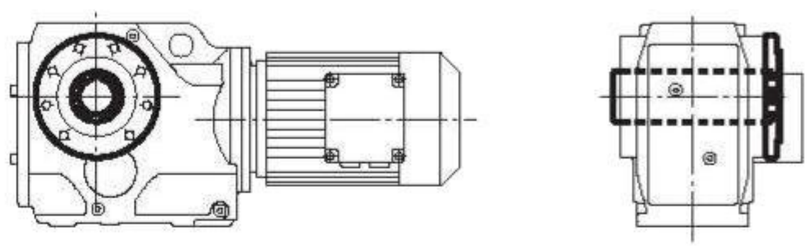


**TKAF..MY..**

Helical-bevel geared motor in B5 flange-mounted version with hollow shaft

**TKVF..MY..**

Helical-bevel geared motor in B5 flange-mounted version with splined hollow shaft to DIN 5480

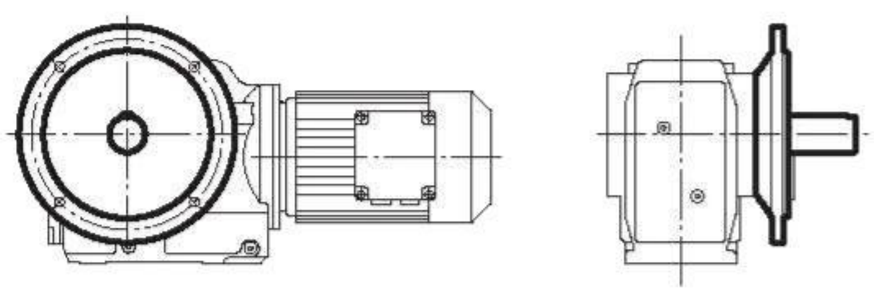


**TKAZ..MY..**

Helical-bevel geared motor in B14 flange-mounted version with hollow shaft

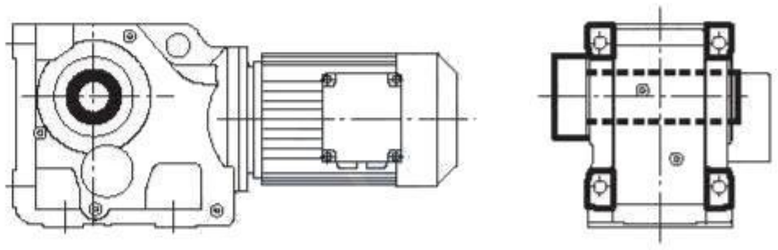
**TKVZ..MY..**

Helical-bevel geared motor in B14 flange-mounted version with splined hollow shaft to DIN 5480



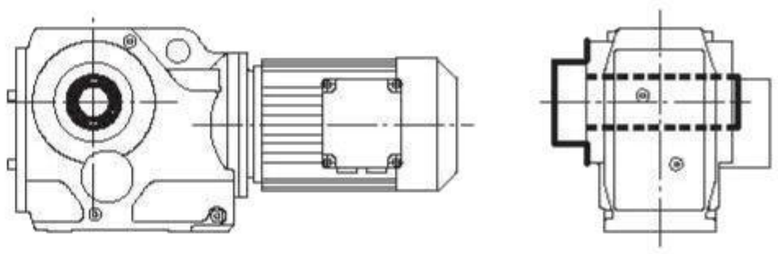
## TKF..MY..

Helical-bevel geared motor in B5 flange-mounted version



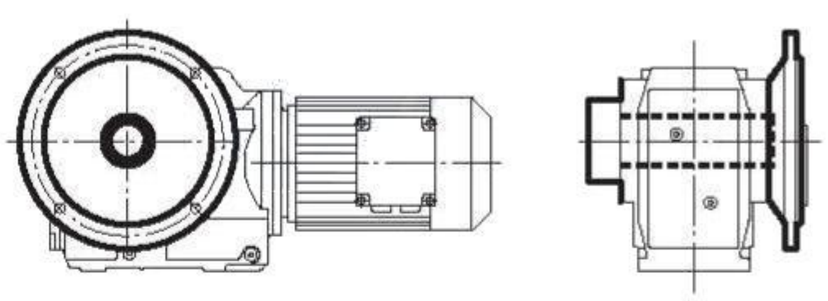
## TKH..B MY..

Foot-mounted Helical-bevel geared motor with hollow shaft and shrink disk



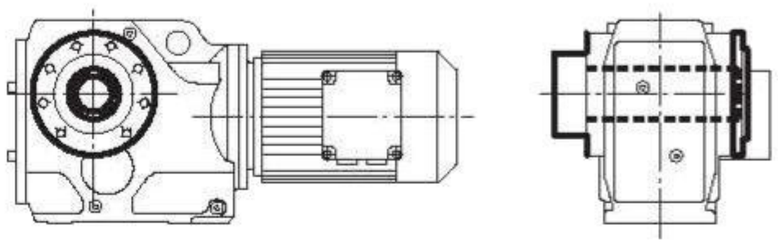
## TKH..MY..

Helical-bevel geared motor with hollow shaft and shrink disk



## TKHF..MY..

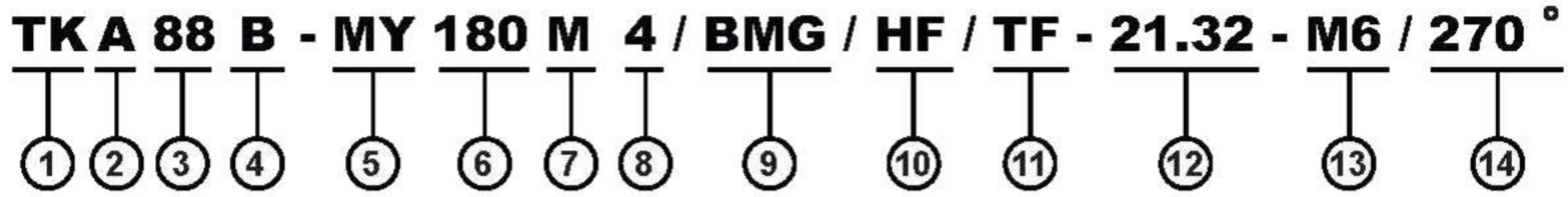
Helical-bevel geared motor in B5 flange-mounted with hollow shaft and shrink disk



## TKHZ..MY..

Helical-bevel geared motor in B14 flange-mounted with hollow shaft and shrink disk

## 5.2 MODEL ILLUMINATE




| No | | Comments |
|---|---|---|
| 1 | | **TK:** code for gear units series |
| 2 | | 1). no code means foot-mounted<br>2). **A:** hollow shaft<br>3). **H:** hollow shaft with shrink disk<br>4). **V:** splined hollow shaft to DIN 5480<br>5). **F:** B5 flange-mounted<br>6). **Z:** B14 flange-mounted |
| 3 | | specification code of gear units 38, 48, … … |
| 4 | | 1). **B:** foot-mounted<br>2). **/T**:torque arm-mounted |
| 5 | | 1). **MY:** motor code<br>2). **AM: IEC** input couplings |
| 6 | | specification code of motor (high in motor centre ) |
| 7 | | length code of stator core **D, K, L, M, ML, N, S** |
| 8 | | pole number of motor 2, 4, 6, 8 |
| 9 | | 1). no code means no brake<br>2). **BMG:** brake |
| 10 | | 1). no code means no manual release device<br>2). **HF:** manual release device with self-locking function<br>3). **HR:** manual release device with outself-locking function |
| 11 | | 1). no code means no motor heat-protection device<br>2). **TF:** motor heat- protection device |
| 12 | | transmission ratio of gear units **i** |
| 13 | | **M1**: mounting positio, default mounting position **M1** not to write out is ok |
| 14 | | Position diagram for motor terminal box default position **0°(R)** not to write out is ok |

Example: **TK58 - MY63M4 - 108.29**

**TKF68 - AM80 - 27.28**

**TKAF88 - MY90S4 / BMG -115.82**

## 5.3 GEAR UNIT SELECTION TABLES

### 5.3.1 Possible geometrical combinations

**TK..38** $n_1$=1400 r/min **200Nm**

| $n_2$ [r/min] | $M_2$max [Nm] | $Fr_2$ [N] | i | AM / MY63 AM / MY71 | AM80 MY80 | AM90 MY90 | MY100 |
|---|---|---|---|---|---|---|---|
| 13 | 200 | 5640 | 106.38 | | | | |
| 14 | 200 | 5640 | 97.81 | | | | |
| 17 | 200 | 5640 | 83.69 | | | | |
| 19 | 200 | 5520 | 72.54 | | | | |
| 21 | 200 | 5360 | 67.80 | | | | |
| 24 | 200 | 5020 | 58.60 | | | | |
| 28 | 200 | 4660 | 49.79 | | | | |
| 31 | 200 | 4420 | 44.46 | | | | |
| 37 | 200 | 4100 | 37.97 | | | | |
| 39 | 200 | 3970 | 35.57 | | | | |
| 47 | 200 | 3650 | 29.96 | | | | |
| 49 | 200 | 3580 | 28.83 | | | | |
| 56 | 200 | 3330 | 24.99 | | | | |
| 60 | 195 | 3260 | 23.36 | | | | |
| 69 | 185 | 3110 | 20.19 | | | | |
| 82 | 180 | 2900 | 17.15 | | | | |
| 91 | 175 | 2780 | 15.31 | | | | |
| 107 | 165 | 2650 | 13.08 | | | | |
| 115 | 160 | 2600 | 12.14 | | | | |
| 133 | 160 | 2410 | 10.49 | | | | |
| 157 | 160 | 2200 | 8.91 | | | | |
| 176 | 155 | 2110 | 7.96 | | | | |
| 206 | 150 | 1980 | 6.80 | | | | |
| 220 | 145 | 1950 | 6.37 | | | | |
| 261 | 140 | 1810 | 5.36 | | | | |
| 352 | 125 | 1660 | 3.98 | | | | |

**Tk..38/TRF18** $n_1$=1400 r/min **200Nm**

| $n_2$ [r/min] | $M_2$max [Nm] | $Fr_2$ [N] | i | MY63 MY71 | MY80 |
|---|---|---|---|---|---|
| 3Stage / 3Stage | | | | | |
| 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 | | |

## TK..38/TRF18 $n_1$=1400 r/min — 200Nm

| $n_2$ [r/min] | $M_2$max [Nm] | $Fr_2$ [N] | i | MY63 MY71 | MY80 |
|---|---|---|---|---|---|
| 3Stage / 2Stage | | | | | |
| 1.4 | 200 | 5640 | 996 | | |
| 1.6 | 200 | 5640 | 876 | | |
| 1.8 | 200 | 5640 | 761 | | |
| 2.1 | 200 | 5640 | 671 | | |
| 2.4 | 200 | 5640 | 585 | | |
| 2.7 | 200 | 5640 | 512 | | |
| 3.1 | 200 | 5640 | 451 | | |
| 3.5 | 200 | 5640 | 396 | | |
| 4.0 | 200 | 5640 | 346 | | |
| 4.6 | 200 | 5640 | 304 | | |
| 5.2 | 200 | 5640 | 267 | | |
| 6.0 | 200 | 5640 | 234 | | |
| 6.8 | 200 | 5640 | 205 | | |
| 7.7 | 200 | 5640 | 181 | | |
| 8.8 | 200 | 5640 | 160 | | |
| 10 | 200 | 5640 | 136 | | |
| 11 | 200 | 5640 | 127 | | |
| 13 | 200 | 5640 | 110 | | |
| 15 | 200 | 5640 | 96 | | |

## TK..48 $n_1$=1400 r/min — 400Nm

| $n_2$ [r/min] | $M_2$max [Nm] | $Fr_2$ [N] | i | AM / MY63 AM / MY71 | AM80 MY80 | AM90 MY90 | AM100 MY100 |
|---|---|---|---|---|---|---|---|
| 11 | 400 | 5920 | 131.87 * | | | | |
| 12 | 400 | 5920 | 121.48 * | | | | |
| 13 | 400 | 5920 | 104.37 | | | | |
| 15 | 400 | 5920 | 90.86 | | | | |
| 16 | 400 | 5920 | 85.12 * | | | | |
| 19 | 400 | 5920 | 75.20 * | | | | |
| 20 | 400 | 5920 | 69.84 | | | | |
| 22 | 400 | 5920 | 63.30 * | | | | |
| 25 | 400 | 5920 | 56.83 | | | | |
| 29 | 400 | 5920 | 48.95 * | | | | |
| 30 | 400 | 5920 | 46.03 * | | | | |
| 35 | 400 | 5920 | 39.61 | | | | |
| 40 | 400 | 5920 | 35.39 | | | | |
| 45 | 400 | 5700 | 31.30 | | | | |
| 48 | 400 | 5520 | 29.32 | | | | |
| 54 | 400 | 5170 | 25.91 | | | | |
| 58 | 400 | 4970 | 24.06 | | | | |
| 64 | 400 | 4710 | 21.81 | | | | |
| 72 | 400 | 4440 | 19.58 | | | | |
| 83 | 380 | 4230 | 16.86 | | | | |
| 88 | 380 | 4080 | 15.86 | | | | |
| 103 | 360 | 3890 | 13.65 | | | | |
| 115 | 350 | 3720 | 12.19 | | | | |
| 119 | 280 | 4060 | 11.77 | | | | |
| 133 | 280 | 3830 | 10.56 | | | | |
| 154 | 280 | 3540 | 9.10 | | | | |
| 164 | 270 | 3500 | 8.56 | | | | |

## TK..48 $n_1$=1400 r/min 400Nm

| $n_2$ [r/min] | $M_2$max [Nm] | $Fr_2$ [N] | i | AM / MY63 AM / MY71 | AM80 MY80 | AM90 MY90 | AM100 MY100 |
|---|---|---|---|---|---|---|---|
| 190 | 250 | 3390 | 7.36 | | | | |
| 213 | 240 | 3270 | 6.58 | | | | |
| 241 | 230 | 3140 | 5.81 | | | | |
| 302 | 205 | 2980 | 4.64 | | | | |

## TK..48/TRF38 $n_1$=1400 r/min 400Nm

| $n_2$ [r/min] | $M_2$max [Nm] | $Fr_2$ [N] | i | MY63 MY71 | MY80 | MY90 | MY100 |
|---|---|---|---|---|---|---|---|
| **3Stage / 3Stage** | | | | | | | |
| 0.14 | 400 | 5920 | 10138 | | | | |
| 0.16 | 400 | 5920 | 8534 | | | | |
| 0.18 | 400 | 5920 | 7662 | | | | |
| 0.21 | 400 | 5920 | 6826 | | | | |
| 0.23 | 400 | 5920 | 5983 | | | | |
| 0.27 | 400 | 5920 | 5159 | | | | |
| 0.30 | 400 | 5920 | 4601 | | | | |
| 0.36 | 400 | 5920 | 3940 | | | | |
| 0.40 | 400 | 5920 | 3477 | | | | |
| 0.46 | 400 | 5920 | 3043 | | | | |
| 0.51 | 400 | 5920 | 2733 | | | | |
| 0.59 | 400 | 5920 | 2354 | | | | |
| 0.68 | 400 | 5920 | 2063 | | | | |
| 0.77 | 400 | 5920 | 1819 | | | | |
| 0.88 | 400 | 5920 | 1586 | | | | |
| 1.0 | 400 | 5920 | 1388 | | | | |
| **3Stage / 2Stage** | | | | | | | |
| 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 | | | | |

## TK..58 $n_1$=1400 r/min 600Nm

| $n_2$ [r/min] | $M_2$max [Nm] | $Fr_2$ [N] | i | AM / MY63 AM / MY71 | AM80 MY80 | AM90 MY90 | AM100 MY100 | AM112 MY112 |
|---|---|---|---|---|---|---|---|---|
| 9.6 | 600 | 7630 | 145.14 * | | | | | |
| 11 | 600 | 7630 | 123.85 | | | | | |
| 13 | 600 | 7630 | 108.29 | | | | | |
| 14 | 600 | 7630 | 102.88 * | | | | | |
| 16 | 600 | 7630 | 90.26 * | | | | | |
| 18 | 600 | 7630 | 76.56 * | | | | | |
| 20 | 600 | 7630 | 69.12 | | | | | |
| 23 | 600 | 7630 | 60.81 * | | | | | |
| 24 | 600 | 7630 | 57.42 * | | | | | |
| 29 | 600 | 7630 | 48.89 | | | | | |
| 32 | 600 | 7630 | 44.43 | | | | | |
| 36 | 600 | 7630 | 38.49 | | | | | |
| 39 | 600 | 7630 | 35.70 | | | | | |
| 46 | 600 | 7310 | 30.28 | | | | | |
| 51 | 600 | 6930 | 27.34 | | | | | |
| 58 | 600 | 6480 | 24.05 | | | | | |
| 62 | 600 | 6280 | 22.71 | | | | | |
| 72 | 575 | 5910 | 19.34 | | | | | |
| 80 | 555 | 5740 | 17.57 | | | | | |
| 92 | 535 | 5430 | 15.22 | | | | | |
| 106 | 510 | 5190 | 13.25 | | | | | |
| 117 | 415 | 5150 | 11.92 | | | | | |
| 124 | 415 | 4990 | 11.26 | | | | | |
| 146 | 405 | 4650 | 9.59 | | | | | |
| 161 | 390 | 4520 | 8.71 | | | | | |
| 185 | 365 | 4360 | 7.55 | | | | | |
| 213 | 345 | 4190 | 6.57 | | | | | |
| 299 | 300 | 3800 | 4.69 | | | | | |

## TK..58/TRF38 $n_1$=1400 r/min 600Nm

| $n_2$ [r/min] | $M_2$max [Nm] | $Fr_2$ [N] | i | MY63 MY71 | MY80 | MY90 | MY100 |
|---|---|---|---|---|---|---|---|
| **3Stage / 3Stage** | | | | | | | |
| 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 | | | | |
| **3Stage / 2Stage** | | | | | | | |
| 0.80 | 600 | 7630 | 1743 | | | | |
| 0.91 | 600 | 7630 | 1539 | | | | |
| 1.0 | 600 | 7630 | 1354 | | | | |

## TK..58/TRF38 $n_1$=1400 r/min — 600Nm

| $n_2$ [r/min] | $M_2$max [Nm] | $Fr_2$ [N] | i | MY63 MY71 | MY80 | MY90 | MY100 |
|---|---|---|---|---|---|---|---|
| 3Stage / 2Stage | | | | | | | |
| 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 | | | | |

## TK..68 $n_1$=1400 r/min — 820Nm

| $n_2$ [r/min] | $M_2$max [Nm] | $Fr_2$ [N] | i | AM / MY63 AM / MY71 | AM80 MY80 | AM90 MY90 | AM100 MY100 | AM112 MY112 | AM / MY132S AM / MY132M |
|---|---|---|---|---|---|---|---|---|---|
| 9.7 | 820 | 10300 | 144.79 * | | | | | | |
| 11 | 820 | 10300 | 123.54 | | | | | | |
| 13 | 820 | 10300 | 108.03 | | | | | | |
| 14 | 820 | 10300 | 102.62 | | | | | | |
| 16 | 820 | 10300 | 90.04 | | | | | | |
| 18 | 820 | 10300 | 76.37 | | | | | | |
| 20 | 820 | 10300 | 68.95 | | | | | | |
| 23 | 820 | 10300 | 60.66 | | | | | | |
| 24 | 820 | 10300 | 57.28 | | | | | | |
| 29 | 820 | 10300 | 48.77 | | | | | | |
| 32 | 820 | 10300 | 44.32 | | | | | | |
| 36 | 800 | 10500 | 38.39 | | | | | | |
| 39 | 820 | 10300 | 35.62 | | | | | | |
| 46 | 820 | 10300 | 30.22 | | | | | | |
| 51 | 820 | 10300 | 27.28 | | | | | | |
| 58 | 800 | 10500 | 24.00 | | | | | | |
| 62 | 780 | 10700 | 22.66 | | | | | | |
| 73 | 760 | 10800 | 19.30 | | | | | | |
| 80 | 740 | 11000 | 17.54 | | | | | | |
| 92 | 700 | 11300 | 15.19 | | | | | | |
| 106 | 670 | 11500 | 13.22 | | | | | | |
| 112 | 530 | 12300 | 12.48 | | | | | | |
| 132 | 500 | 11800 | 10.63 | | | | | | |
| 145 | 480 | 11500 | 9.66 | | | | | | |
| 167 | 440 | 11100 | 8.37 | | | | | | |
| 192 | 420 | 10700 | 7.28 | | | | | | |
| 269 | 350 | 9870 | 5.20 | | | | | | |

## *TK..68/TRF38* $n_1$=1400 r/min **820Nm**

| $n_2$ [r/min] | $M_2$max [Nm] | $Fr_2$ [N] | i | MY63 MY71 | MY80 | MY90 | MY100 |
|---|---|---|---|---|---|---|---|
| **3Stage / 3Stage** | | | | | | | |
| 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 | | | | |
| **3Stage / 2Stage** | | | | | | | |
| 0.81 | 820 | 10300 | 1739 | | | | |
| 0.91 | 820 | 10300 | 1535 | | | | |
| 1.0 | 820 | 10300 | 1351 | | | | |
| 1.2 | 820 | 10300 | 1171 | | | | |
| 1.4 | 820 | 10300 | 1034 | | | | |
| 1.6 | 820 | 10300 | 903 | | | | |
| 1.8 | 820 | 10300 | 793 | | | | |
| 2.0 | 820 | 10300 | 697 | | | | |
| 2.3 | 820 | 10300 | 613 | | | | |
| 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 | | | | |

## TK..78 $n_1$=1400 r/min 1550Nm

| $n_2$ [r/min] | $M_2$max [Nm] | $Fr_2$ [N] | i | AM / MY63 AM / MY71 | AM80 MY80 | AM90 MY90 | AM100 MY100 | AM112 MY112 | AM / MY132S AM / MY132M | AM / MY132ML MY160M |
|---|---|---|---|---|---|---|---|---|---|---|
| 7.3 | 1450 | 16100 | 192.18 | | | | | | | |
| 7.8 | 1450 | 16100 | 179.37 | | | | | | | |
| 9.1 | 1550 | 15400 | 154.02 | | | | | | | |
| 10 | 1550 | 15400 | 135.28 | | | | | | | |
| 11 | 1550 | 15400 | 128.52 | | | | | | | |
| 12 | 1550 | 15400 | 113.56 | | | | | | | |
| 14 | 1550 | 15400 | 97.05 | | | | | | | |
| 16 | 1550 | 15400 | 88.97 | | | | | | | |
| 18 | 1550 | 15400 | 78.07 | | | | | | | |
| 19 | 1550 | 15400 | 73.99 | | | | | | | |
| 22 | 1550 | 15400 | 64.75 | | | | | | | |
| 24 | 1550 | 15400 | 58.34 | | | | | | | |
| 27 | 1550 | 15400 | 51.18 | | | | | | | |
| 31 | 1550 | 15400 | 45.16 | | | | | | | |
| 35 | 1550 | 15400 | 40.04 | | | | | | | |
| 36 | 1500 | 15700 | 38.39 | | | | | | | |
| 40 | 1550 | 15400 | 35.20 | | | | | | | |
| 45 | 1550 | 15400 | 30.89 | | | | | | | |
| 48 | 1550 | 15400 | 29.27 | | | | | | | |
| 55 | 1550 | 15400 | 25.62 | | | | | | | |
| 61 | 1550 | 15400 | 23.08 | | | | | | | |
| 69 | 1500 | 15700 | 20.25 | | | | | | | |
| 78 | 1450 | 16100 | 17.87 | | | | | | | |
| 88 | 1400 | 15500 | 15.84 | | | | | | | |
| 104 | 1340 | 14800 | 13.52 | | | | | | | |
| 113 | 1000 | 15100 | 12.36 | | | | | | | |
| 129 | 990 | 14400 | 10.84 | | | | | | | |
| 146 | 940 | 13900 | 9.56 | | | | | | | |
| 165 | 890 | 13500 | 8.48 | | | | | | | |
| 193 | 820 | 13100 | 7.24 | | | | | | | |

## TK..78/TRF38 $n_1$=1400 r/min 1550Nm

| $n_2$ [r/min] | $M_2$max [Nm] | $Fr_2$ [N] | i | MY63 MY71 | MY80 | MY90 | MY100 |
|---|---|---|---|---|---|---|---|
| 3Stage / 3Stage | | | | | | | |
| 0.09 | 1550 | 15400 | 15310 | | | | |
| 0.10 | 1550 | 15400 | 14043 | | | | |
| 0.12 | 1550 | 15400 | 11955 | | | | |
| 0.14 | 1550 | 15400 | 10217 | | | | |
| 0.16 | 1550 | 15400 | 8809 | | | | |
| 0.19 | 1550 | 15400 | 7528 | | | | |
| 0.21 | 1550 | 15400 | 6606 | | | | |
| 0.24 | 1550 | 15400 | 5774 | | | | |
| 0.28 | 1550 | 15400 | 5089 | | | | |
| 0.31 | 1550 | 15400 | 4489 | | | | |
| 0.35 | 1550 | 15400 | 3961 | | | | |
| 0.40 | 1550 | 15400 | 3485 | | | | |
| 0.48 | 1550 | 15400 | 2901 | | | | |
| 0.52 | 1550 | 15400 | 2717 | | | | |
| 0.59 | 1550 | 15400 | 2370 | | | | |

## TK..78/TRF38 $n_1$=1400 r/min 1550Nm

| $n_2$ [r/min] | $M_2$max [Nm] | $Fr_2$ [N] | i | MY63 MY71 | MY80 | MY90 | MY100 |
|---|---|---|---|---|---|---|---|
| 3Stage / 2Stage | | | | | | | |
| 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 | | | | |

## TK..88 $n_1$=1400 r/min 2700Nm

| $n_2$ [r/min] | $M_2$max [Nm] | $Fr_2$ [N] | i | AM80 MY80 | AM90 MY90 | AM100 MY100 | AM112 MY112 | AM / MY132S AM / MY32M | AM / MY132ML AM / MY160M AM / MY160L | AM180 MY180 |
|---|---|---|---|---|---|---|---|---|---|---|
| 7.1 | 2700 | 27300 | 197.37 | | | | | | | |
| 8.0 | 2700 | 27300 | 174.19 | | | | | | | |
| 8.5 | 2700 | 27300 | 164.34 * | | | | | | | |
| 9.5 | 2700 | 27300 | 147.32 * | | | | | | | |
| 11 | 2700 | 27300 | 126.91 * | | | | | | | |
| 12 | 2700 | 27300 | 115.82 | | | | | | | |
| 14 | 2700 | 27300 | 102.71 * | | | | | | | |
| 16 | 2700 | 27300 | 86.34 | | | | | | | |
| 18 | 2700 | 27300 | 79.34 | | | | | | | |
| 20 | 2700 | 27300 | 70.46 | | | | | | | |
| 22 | 2700 | 26200 | 63.00 * | | | | | | | |
| 25 | 2700 | 25000 | 56.64 | | | | | | | |
| 28 | 2700 | 23500 | 49.16 | | | | | | | |
| 32 | 2600 | 22800 | 44.02 | | | | | | | |
| 38 | 2500 | 21400 | 36.52 * | | | | | | | |
| 45 | 2700 | 19200 | 31.39 | | | | | | | |
| 50 | 2600 | 18500 | 27.88 | | | | | | | |
| 56 | 2500 | 18000 | 24.92 | | | | | | | |
| 62 | 2300 | 17900 | 22.41 | | | | | | | |
| 72 | 2300 | 16800 | 19.45 | | | | | | | |
| 80 | 2200 | 16300 | 17.42 | | | | | | | |
| 88 | 1800 | 16000 | 16.00 | | | | | | | |
| 97 | 2100 | 15300 | 14.45 | | | | | | | |
| 111 | 2000 | 14800 | 12.56 | | | | | | | |
| 125 | 1500 | 14900 | 11.17 | | | | | | | |

## TK..88 $n_1$=1400 r/min 2700Nm

| $n_2$ [r/min] | $M_2$max [Nm] | $Fr_2$ [N] | i | AM80 MY80 | AM90 MY90 | AM100 MY100 | AM112 MY112 | AM / MY132S AM / MY32M | AM / MY132ML AM / MY160M AM / MY160L | AM180 MY180 |
|---|---|---|---|---|---|---|---|---|---|---|
| 140 | 1500 | 14200 | 10.00 | | | | | | | |
| 169 | 1400 | 13500 | 8.29 | | | | | | | |
| 194 | 1300 | 13200 | 7.21 | | | | | | | |

## TK..88/TRF58 $n_1$=1400 r/min 2700Nm

| $n_2$ [r/min] | $M_2$max [Nm] | $Fr_2$ [N] | i | MY63 MY71 | MY80 | MY90 | MY100 | MY112 | MY132S MY132M |
|---|---|---|---|---|---|---|---|---|---|
| **3Stage / 3Stage** | | | | | | | | | |
| 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 | | | | | | |
| **3Stage / 2Stage** | | | | | | | | | |
| 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 | | | | | | |

## TK..98 $n_1$=1400 r/min 4300Nm

| $n_2$ [r/min] | $M_2$max [Nm] | $Fr_2$ [N] | i | AM90 MY90 | AM100 MY100 | AM112 MY112 | AM / MY132S AM / MY132M | AM / MY132ML AM / MY160M AM / MY160L | AM180 MY180 | AM200 MY200 |
|---|---|---|---|---|---|---|---|---|---|---|
| 8.0 | 4300 | 40000 | 176.05 * | | | | | | | |
| 9.1 | 4300 | 40000 | 153.21 * | | | | | | | |
| 10 | 4300 | 40000 | 140.28 | | | | | | | |
| 11 | 4300 | 40000 | 123.93 * | | | | | | | |
| 13 | 4300 | 40000 | 105.13 | | | | | | | |
| 14 | 4300 | 40000 | 96.80 | | | | | | | |
| 16 | 4300 | 38800 | 86.52 | | | | | | | |
| 18 | 4300 | 37100 | 77.89 * | | | | | | | |
| 20 | 4300 | 35600 | 70.54 | | | | | | | |
| 22 | 4300 | 33800 | 62.55 | | | | | | | |
| 25 | 4300 | 32300 | 56.55 | | | | | | | |
| 29 | 4300 | 30000 | 47.93 * | | | | | | | |
| 33 | 4300 | 28300 | 41.87 | | | | | | | |
| 37 | 4300 | 27100 | 38.30 | | | | | | | |
| 41 | 4300 | 25700 | 34.23 | | | | | | | |
| 45 | 4300 | 24500 | 30.82 | | | | | | | |
| 50 | 4300 | 23300 | 27.91 | | | | | | | |
| 57 | 4300 | 22000 | 24.75 | | | | | | | |
| 63 | 4300 | 20900 | 22.37 | | | | | | | |
| 74 | 4300 | 19100 | 18.96 | | | | | | | |
| 85 | 4300 | 17800 | 16.56 | | | | | | | |
| 101 | 4300 | 16100 | 13.85 | | | | | | | |
| 117 | 3890 | 16200 | 11.99 | | | | | | | |
| 134 | 2870 | 16400 | 10.41 | | | | | | | |
| 161 | 2660 | 15800 | 8.71 | | | | | | | |
| 186 | 2400 | 15700 | 7.54 | | | | | | | |

## TK..98/TRF58 $n_1$=1400 r/min 4300Nm

| $n_2$ [r/min] | $M_2$max [Nm] | $Fr_2$ [N] | i | MY63 MY71 | MY80 | MY90 | MY100 | MY112 | MY132S MY132M |
|---|---|---|---|---|---|---|---|---|---|
| **3Stage / 3Stage** | | | | | | | | | |
| 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 | | | | | | |
| **3Stage / 2Stage** | | | | | | | | | |
| 0.58 | 4300 | 40000 | 2419 | | | | | | |
| 0.66 | 4300 | 40000 | 2123 | | | | | | |
| 0.75 | 4300 | 40000 | 1856 | | | | | | |

## TK..98/TRF58 $n_1$=1400 r/min — 4300Nm

| $n_2$ [r/min] | $M_2$max [Nm] | $Fr_2$ [N] | i | MY63 MY71 | MY80 | MY90 | MY100 | MY112 | MY132S MY132M |
|---|---|---|---|---|---|---|---|---|---|
| 3Stage / 2Stage | | | | | | | | | |
| 0.86 | 4300 | 40000 | 1625 | | | | | | |
| 0.98 | 4300 | 40000 | 1430 | | | | | | |
| 1.1 | 4300 | 40000 | 1261 | | | | | | |
| 1.3 | 4300 | 40000 | 1102 | | | | | | |
| 1.5 | 4300 | 40000 | 957 | | | | | | |
| 1.6 | 4300 | 40000 | 855 | | | | | | |
| 1.9 | 4300 | 40000 | 743 | | | | | | |
| 2.1 | 4300 | 40000 | 652 | | | | | | |
| 2.4 | 4300 | 40000 | 573 | | | | | | |
| 2.8 | 4300 | 40000 | 504 | | | | | | |
| 3.2 | 4300 | 40000 | 437 | | | | | | |
| 3.7 | 4300 | 40000 | 382 | | | | | | |
| 4.1 | 4300 | 40000 | 342 | | | | | | |
| 4.6 | 4300 | 40000 | 305 | | | | | | |
| 5.4 | 4300 | 40000 | 258 | | | | | | |
| 6.0 | 4300 | 40000 | 232 | | | | | | |
| 7.0 | 4300 | 40000 | 199 | | | | | | |

## TK..108 $n_1$=1400 r/min — 8000Nm

| $n_2$ [r/min] | $M_2$max [Nm] | $Fr_2$ [N] | i | AM100 MY100 | AM112 MY112 | AM / MY132S AM / MY132M | AM / MY132ML AM / MY160M AM / MY160L | AM180 MY180 | AM / MY200 AM / MY225S AM / MY225M |
|---|---|---|---|---|---|---|---|---|---|
| 9.8 | 8000 | 65000 | 143.47 * | | | | | | |
| 12 | 8000 | 61500 | 121.46 | | | | | | |
| 12 | 8000 | 59300 | 112.41 * | | | | | | |
| 14 | 8000 | 56200 | 100.75 | | | | | | |
| 15 | 8000 | 53500 | 90.96 * | | | | | | |
| 17 | 8000 | 50900 | 82.61 | | | | | | |
| 19 | 8000 | 47900 | 73.30 | | | | | | |
| 21 | 8000 | 45400 | 66.52 * | | | | | | |
| 24 | 8000 | 41700 | 57.17 * | | | | | | |
| 28 | 7840 | 39300 | 49.90 | | | | | | |
| 33 | 7360 | 37900 | 42.33 * | | | | | | |
| 38 | 7200 | 35800 | 37.00 * | | | | | | |
| 43 | 7200 | 33200 | 32.69 | | | | | | |
| 45 | 6800 | 34200 | 31.28 * | | | | | | |
| 48 | 7200 | 30700 | 29.00 | | | | | | |
| 53 | 7200 | 28800 | 26.32 | | | | | | |
| 62 | 7200 | 25800 | 22.62 | | | | | | |
| 71 | 7200 | 23200 | 19.74 | | | | | | |
| 84 | 7050 | 21000 | 16.75 | | | | | | |
| 96 | 6890 | 19500 | 14.64 | | | | | | |
| 104 | 4300 | 29200 | 13.43 | | | | | | |
| 119 | 4300 | 27500 | 11.73 | | | | | | |
| 141 | 4190 | 25800 | 9.94 | | | | | | |
| 161 | 4070 | 24600 | 8.69 | | | | | | |
| 190 | 3600 | 24400 | 7.35 | | | | | | |

## *TK..108/TRF78* $n_1$=1400 r/min **8000Nm**

| $n_2$ [r/min] | $M_2$max [Nm] | $Fr_2$ [N] | i | MY63 MY71 | MY80 | MY90 | MY100 | MY112 | MY132S MY132M | MY132ML MY160M |
|---|---|---|---|---|---|---|---|---|---|---|
| **3Stage / 3Stage** | | | | | | | | | | |
| 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 | | | | | | | |
| 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 | | | | | | | |
| **3Stage / 2Stage** | | | | | | | | | | |
| 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 | | | | | | | |

## TK..128 $n_1$=1400 r/min — 13000Nm

| $n_2$ [r/min] | $M_2$max [Nm] | $Fr_2$ [N] | i | AM132M MY132M | AM / MY132ML AM / MY160M AM / MY160L | AM180 MY180 | AM / MY200 AM / MY225S AM / MY225M | AM / MY250M AM / MY280 | MY315M MY315S |
|---|---|---|---|---|---|---|---|---|---|
| 9.6 | 13000 | 79200 | 146.07 | | | | | | |
| 10 | 13000 | 79200 | 136.14 | | | | | | |
| 11 | 13000 | 79200 | 122.48 | | | | | | |
| 13 | 13000 | 79200 | 110.18 | | | | | | |
| 16 | 13000 | 75100 | 89.89 | | | | | | |
| 17 | 13000 | 72100 | 81.98 | | | | | | |
| 20 | 13000 | 67700 | 70.95 * | | | | | | |
| 22 | 13000 | 64000 | 62.60 | | | | | | |
| 26 | 13000 | 59900 | 54.07 | | | | | | |
| 29 | 13000 | 56500 | 47.82 | | | | | | |
| 35 | 13000 | 52000 | 40.19 | | | | | | |
| 39 | 13000 | 49400 | 36.25 | | | | | | |
| 45 | 13000 | 45900 | 31.37 | | | | | | |
| 51 | 13000 | 43000 | 27.68 | | | | | | |
| 59 | 13000 | 39800 | 23.91 | | | | | | |
| 66 | 13000 | 37200 | 21.15 | | | | | | |
| 79 | 13000 | 32600 | 17.77 | | | | | | |
| 98 | 12100 | 31000 | 14.35 | | | | | | |
| 109 | 8530 | 35400 | 12.79 | | | | | | |
| 130 | 8000 | 33900 | 10.74 | | | | | | |
| 161 | 7230 | 32500 | 8.68 | | | | | | |

## TK..128/TRF78 $n_1$=1400 r/min — 13000Nm

| $n_2$ [r/min] | $M_2$max [Nm] | $Fr_2$ [N] | i | MY63 MY71 | MY80 | MY90 | MY100 | MY112 | MY132S MY132M | MY132ML MY160M |
|---|---|---|---|---|---|---|---|---|---|---|
| **3Stage / 3Stage** | | | | | | | | | | |
| 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 | | | | | | | |
| **3Stage / 2Stage** | | | | | | | | | | |
| 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 | | | | | | | |

## TK..128/TRF78 $n_1$=1400 r/min — 13000Nm

| $n_2$ [r/min] | $M_2$max [Nm] | $Fr_2$ [N] | i | MY63 MY71 | MY80 | MY90 | MY100 | MY112 | MY132S MY132M | MY132ML MY160M |
|---|---|---|---|---|---|---|---|---|---|---|
| 3Stage / 2Stage | | | | | | | | | | |
| 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 | | | | | | | |

## TK..128/TRF88 $n_1$=1400 r/min — 13000Nm

| $n_2$ [r/min] | $M_2$max [Nm] | $Fr_2$ [N] | i | MY90 | MY100 | MY112 | MY132S MY132M | MY132ML MY160M MY160L | MY180 |
|---|---|---|---|---|---|---|---|---|---|
| 3Stage / 2Stage | | | | | | | | | |
| 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 | | | | | | |

## TK..158 $n_1$=1400 r/min — 18000Nm

| $n_2$ [r/min] | $M_2$max [Nm] | $Fr_2$ [N] | i | AM / MY132ML AM / MY160M AM / MY160L | AM180 MY180 | AM / MY200 AM / MY225S AM / MY225M | AM / MY250M AM / MY280 | MY315M MY315S | MY315M_A MY315M_B |
|---|---|---|---|---|---|---|---|---|---|
| 9.3 | 18000 | 112200 | 150.41 | | | | | | |
| 11 | 18000 | 106500 | 122.39 | | | | | | |
| 14 | 18000 | 98000 | 100.22 | | | | | | |
| 15 | 18000 | 94400 | 91.65 | | | | | | |
| 18 | 18000 | 88900 | 79.75 | | | | | | |
| 20 | 18000 | 84200 | 70.38 | | | | | | |
| 23 | 18000 | 79000 | 61.02 | | | | | | |
| 26 | 18000 | 74900 | 54.29 | | | | | | |
| 30 | 18000 | 70000 | 46.79 | | | | | | |
| 37 | 18000 | 63400 | 38.02 | | | | | | |
| 45 | 18000 | 57500 | 31.30 | | | | | | |
| 51 | 18000 | 54000 | 27.62 | | | | | | |
| 58 | 18000 | 50000 | 23.95 | | | | | | |
| 66 | 18000 | 47000 | 21.31 | | | | | | |
| 76 | 18000 | 43200 | 18.37 | | | | | | |
| 94 | 18000 | 38200 | 14.92 | | | | | | |
| 111 | 17000 | 36700 | 12.65 | | | | | | |

## TK..158/TRF98 $n_1$=1400 r/min — 18000Nm

| $n_2$ [r/min] | $M_2$max [Nm] | $Fr_2$ [N] | i | MY80 | MY90 | MY100 | MY112 | MY132S MY132M | MY132ML MY160M MY160L | MY180 | MY200 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **3Stage / 3Stage** | | | | | | | | | | | |
| 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 | | | | | | | | |
| **3Stage / 2Stage** | | | | | | | | | | | |
| 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 | | | | | | | | |

## TK..158/TRF108 $n_1$=1400 r/min — 18000Nm

| $n_2$ [r/min] | $M_2$max [Nm] | $Fr_2$ [N] | i | MY132S MY132M | MY132ML MY160M MY160L | MY180 | MY200 MY225S MY225M |
|---|---|---|---|---|---|---|---|
| **3Stage / 2Stage** | | | | | | | |
| 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 | | | | |

## TK..168 $n_1$=1400 r/min 32000Nm

| $n_2$ [r/min] | $M_2$max [Nm] | $Fr_2$ [N] | i | AM / MY132ML AM / MY160M AM / MY160L | AM180 MY180 | AM / MY200 AM / MY225S AM / MY225M | AM / MY250M AM / MY280 | MY315M MY315S | MY315M_A MY315M_B |
|---|---|---|---|---|---|---|---|---|---|
| 8.5 | 32000 | 150000 | 164.50 | | | | | | |
| 10 | 32000 | 150000 | 134.99 | | | | | | |
| 13 | 32000 | 150000 | 109.83 | | | | | | |
| 16 | 32000 | 147200 | 87.86 | | | | | | |
| 18 | 32000 | 140100 | 78.14 | | | | | | |
| 21 | 32000 | 132000 | 68.07 | | | | | | |
| 23 | 32000 | 125600 | 60.74 | | | | | | |
| 27 | 32000 | 117000 | 51.77 | | | | | | |
| 33 | 32000 | 107400 | 42.89 | | | | | | |
| 38 | 32000 | 99700 | 36.61 | | | | | | |
| 43 | 32000 | 93700 | 32.25 | | | | | | |
| 49 | 32000 | 88600 | 28.77 | | | | | | |
| 57 | 32000 | 81700 | 24.52 | | | | | | |
| 69 | 32000 | 74000 | 20.32 | | | | | | |
| 81 | 32000 | 67900 | 17.34 | | | | | | |

## TK..168/TRF98 $n_1$=1400 r/min 32000Nm

| $n_2$ [r/min] | $M_2$max [Nm] | $Fr_2$ [N] | i | MY80 | MY90 | MY100 | MY112 | MY132S MY132M | MY132ML MY160M MY160L | MY180 | MY200 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **3Stage / 3Stage** | | | | | | | | | | | |
| 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 | | | | | | | | |
| **3Stage / 2Stage** | | | | | | | | | | | |
| 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 | | | | | | | | |
| 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 | | | | | | | | |

## TK..168/TRF108 $n_1$=1400 r/min 32000Nm

| $n_2$ [r/min] | $M_2$max [Nm] | $Fr_2$ [N] | i | MY100 | MY112 | MY132S MY132M | MY132ML MY160M MY160L | MY180 | MY200 MY225S MY225M |
|---|---|---|---|---|---|---|---|---|---|
| 3Stage / 2Stage | | | | | | | | | |
| 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 | | | | | | |

## TK..188 $n_1$=1400 r/min 50000Nm

| $n_2$ [r/min] | $M_2$max [Nm] | $Fr_2$ [N] | i | AM / MY132ML AM / MY160M AM / MY160L | AM180 MY180 | AM / MY200 AM / MY225S AM / MY225M | AM / MY250M AM / MY280 | MY315M MY315S | MY315M_A MY315M_B |
|---|---|---|---|---|---|---|---|---|---|
| 7.8 | 50000 | 190000 | 179.86 | | | | | | |
| 8.5 | 50000 | 190000 | 165.21 | | | | | | |
| 9.7 | 50000 | 190000 | 144.59 | | | | | | |
| 11 | 50000 | 188200 | 129.69 | | | | | | |
| 12 | 50000 | 177200 | 112.60 | | | | | | |
| 14 | 50000 | 169900 | 102.16 | | | | | | |
| 16 | 50000 | 159000 | 88.00 | | | | | | |
| 19 | 50000 | 147000 | 73.96 | | | | | | |
| 22 | 50000 | 137600 | 64.04 | | | | | | |
| 26 | 50000 | 126100 | 53.36 | | | | | | |
| 31 | 50000 | 116600 | 45.50 * | | | | | | |
| 33 | 50000 | 112700 | 42.51 | | | | | | |
| 36 | 50000 | 107200 | 38.57 | | | | | | |
| 42 | 50000 | 99100 | 33.23 | | | | | | |
| 50 | 50000 | 90200 | 27.92 | | | | | | |
| 58 | 47600 | 86800 | 24.18 | | | | | | |
| 69 | 43900 | 84000 | 20.15 | | | | | | |
| 81 | 41400 | 80800 | 17.18 | | | | | | |

## TK..188/TRF98

$n_1$=1400 r/min

**50000Nm**

| $n_2$ [r/min] | $M_2$max [Nm] | $Fr_2$ [N] | i | MY80 | MY90 | MY100 | MY112 | MY132S MY132M | MY132ML MY160M MY160L | MY180 | MY200 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **3Stage / 3Stage** | | | | | | | | | | | |
| 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 | | | | | | | | |
| 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 | | | | | | | | |
| **3Stage / 2Stage** | | | | | | | | | | | |
| 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 | | | | | | | | |

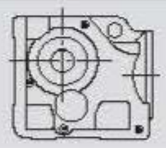
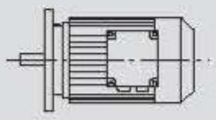
## TK..188/TRF108

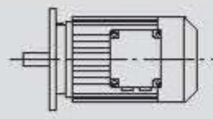
$n_1$=1400 r/min

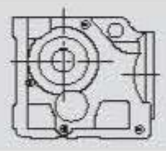
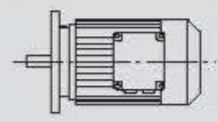
**50000Nm**

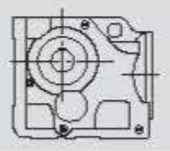
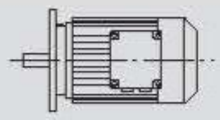
| $n_2$ [r/min] | $M_2$max [Nm] | $Fr_2$ [N] | i | MY100 | MY112 | MY132S MY132M | MY132ML MY160M MY160L | MY180 | MY200 MY225S MY225M |
|---|---|---|---|---|---|---|---|---|---|
| **3Stage / 2Stage** | | | | | | | | | |
| 1.7 | 50000 | 189900 | 835 | | | | | | |
| 1.9 | 50000 | 189900 | 729 | | | | | | |
| 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 | | | | | | |

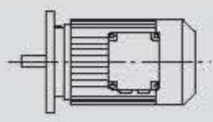
## *5.3.2 TK..MY.. / Performance parameter*

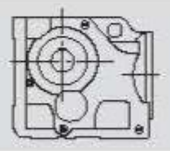
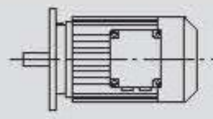
| $P_{1n}$ [kW] | $n_2$ [r/min] | $M_{2n}$ [Nm] | i | $Fr_2$ [N] | fs |  |  | Page |
|---|---|---|---|---|---|---|---|---|
| **0.12** | 0.08 | 10900 | 17550 | 80300 | 1.20 | **TK 128 / TRF78** | **MY 63S4** | 424 |
| | 0.09 | 9900 | 16006 | 80700 | 1.30 | **TKF 128 / TRF78** | **MY 63S4** | 424 |
| | 0.09 | 9260 | 14975 | 81000 | 1.40 | **TKA 128 / TRF78** | **MY 63S4** | 424 |
| | 0.11 | 7690 | 12440 | 81600 | 1.70 | **TKAF 128 / TRF78** | **MY 63S4** | 424 |
| | 0.13 | 6750 | 10915 | 81900 | 1.95 | | | |
| | 0.14 | 6070 | 9819 | 82000 | 2.1 | | | |
| | 0.16 | 5190 | 8443 | 82300 | 2.5 | | | |
| | 0.18 | 4630 | 7482 | 82400 | 2.8 | | | |
| | 0.10 | 8850 | 14311 | 65000 | 0.90 | **TK 108 / TRF78** | **MY 63S4** | 424 |
| | 0.11 | 7550 | 12211 | 65000 | 1.05 | **TKF 108 / TRF78** | **MY 63S4** | 424 |
| | 0.13 | 6600 | 10677 | 65000 | 1.20 | **TKA 108 / TRF78** | **MY 63S4** | 424 |
| | 0.14 | 5890 | 9524 | 65000 | 1.35 | **TKAF 108 / TRF78** | **MY 63S4** | 424 |
| | 0.17 | 5150 | 8328 | 65000 | 1.55 | | | |
| | 0.19 | 4500 | 7270 | 65000 | 1.80 | | | |
| | 0.22 | 3710 | 6184 | 65000 | 2.2 | | | |
| | 0.24 | 3220 | 5662 | 65000 | 2.5 | | | |
| | 0.27 | 2920 | 5138 | 65000 | 2.7 | | | |
| | 0.32 | 2680 | 4359 | 65000 | 3.0 | | | |
| | 0.17 | 5460 | 8054 | 39400 | 0.80 | **TK 98 / TRF58** | **MY 63S4** | 424 |
| | 0.20 | 4430 | 6970 | 40000 | 0.95 | **TKF 98 / TRF58** | **MY 63S4** | 424 |
| | 0.23 | 4000 | 6027 | 40000 | 1.05 | **TKA 98 / TRF58** | **MY 63S4** | 424 |
| | 0.26 | 3660 | 5391 | 40000 | 1.20 | **TKAF 98 / TRF58** | **MY 63S4** | 424 |
| | 0.30 | 3020 | 4669 | 40000 | 1.40 | | | |
| | 0.34 | 2740 | 4082 | 40000 | 1.55 | | | |
| | 0.39 | 2380 | 3583 | 40000 | 1.80 | | | |
| | 0.44 | 2100 | 3108 | 40000 | 2.1 | | | |
| | 0.50 | 1770 | 2757 | 40000 | 2.4 | | | |
| | 0.57 | 1650 | 2419 | 40000 | 2.6 | | | |
| | 0.65 | 1430 | 2123 | 40000 | 3.0 | **TK 98 / TRF58** | **MY 63S4** | 424 |
| | 0.74 | 1270 | 1856 | 40000 | 3.4 | **TKF 98 / TRF58** | **MY 63S4** | 424 |
| | 0.85 | 1050 | 1625 | 40000 | 4.1 | **TKA 98 / TRF58** | **MY 63S4** | 424 |
| | 0.96 | 890 | 1430 | 40000 | 4.8 | **TKAF 98 / TRF58** | **MY 63S4** | 424 |
| | 1.1 | 870 | 1261 | 40000 | 5.0 | | | |
| | 1.2 | 755 | 1102 | 40000 | 5.7 | | | |
| | 0.26 | 3480 | 5240 | 26200 | 0.80 | **TK 88 / TRF58** | **MY 63S4** | 424 |
| | 0.30 | 2900 | 4562 | 27000 | 0.95 | **TKF 88 / TRF58** | **MY 63S4** | 424 |
| | 0.34 | 2680 | 4037 | 27300 | 1.00 | **TKA 88 / TRF58** | **MY 63S4** | 424 |
| | 0.38 | 2400 | 3609 | 27600 | 1.15 | **TKAF 88 / TRF58** | **MY 63S4** | 424 |
| | 0.44 | 2070 | 3107 | 28000 | 1.30 | | | |
| | 0.51 | 1730 | 2728 | 28300 | 1.55 | | | |
| | 0.58 | 1530 | 2371 | 28400 | 1.75 | | | |
| | 0.66 | 1430 | 2088 | 28500 | 1.90 | **TK 88 / TRF58** | **MY 63S4** | 424 |
| | 0.74 | 1270 | 1854 | 28600 | 2.1 | **TKF 88 / TRF58** | **MY 63S4** | 424 |
| | 0.83 | 1140 | 1657 | 28700 | 2.4 | **TKA 88 / TRF58** | **MY 63S4** | 424 |
| | 0.97 | 970 | 1415 | 28800 | 2.8 | **TKAF 88 / TRF58** | **MY 63S4** | 424 |
| | 1.1 | 840 | 1229 | 28900 | 3.2 | | | |
| | 1.3 | 725 | 1078 | 28900 | 3.7 | | | |
| | 1.4 | 610 | 951 | 29000 | 4.4 | | | |
| | 1.7 | 525 | 837 | 29000 | 5.2 | | | |
| | 1.9 | 455 | 726 | 29000 | 5.9 | | | |
| | 0.51 | 1840 | 2717 | 11500 | 0.85 | **TK 78 / TRF38** | **MY 63S4** | 424 |
| | 0.58 | 1530 | 2370 | 15500 | 1.00 | **TKF 78 / TRF38** | **MY 63S4** | 424 |
| | | | | | | **TKA 78 / TRF38** | **MY 63S4** | 424 |
| | | | | | | **TKAF 78 / TRF38** | **MY 63S4** | 424 |
| | 0.67 | 1440 | 2050 | 16100 | 1.10 | **TK 78 / TRF38** | **MY 63S4** | 424 |
| | 0.78 | 1230 | 1772 | 17300 | 1.25 | **TKF 78 / TRF38** | **MY 63S4** | 424 |
| | 0.91 | 1050 | 1514 | 18100 | 1.50 | **TKA 78 / TRF38** | **MY 63S4** | 424 |
| | 0.99 | 960 | 1388 | 18500 | 1.60 | **TKAF 78 / TRF38** | **MY 63S4** | 424 |

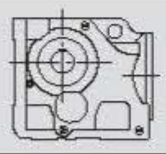
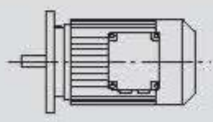
| $P_{1n}$ [kW] | $n_2$ [r/min] | $M_{2n}$ [Nm] | i | $Fr_2$ [N] | fs |  |  | Page |
|---|---|---|---|---|---|---|---|---|
| **0.12** | 1.1 | 840 | 1218 | 18900 | 1.85 | **TK** | **78 / TRF38** | **MY 63S4** | 424 |
| | 1.3 | 740 | 1053 | 19200 | 2.1 | **TKF** | **78 / TRF38** | **MY 63S4** | 424 |
| | 1.5 | 645 | 924 | 19400 | 2.4 | **TKA** | **78 / TRF38** | **MY 63S4** | 424 |
| | 1.7 | 570 | 815 | 19600 | 2.7 | **TKAF** | **78 / TRF38** | **MY 63S4** | 424 |
| | 1.9 | 450 | 709 | 19800 | 3.5 | | | | |
| | 2.2 | 395 | 622 | 19900 | 3.9 | | | | |
| | 1.0 | 960 | 1351 | 6940 | 0.85 | **TK** | **68 / TRF38** | **MY 63S4** | 424 |
| | 1.2 | 830 | 1171 | 10300 | 1.00 | **TKF** | **68 / TRF38** | **MY 63S4** | 424 |
| | 1.3 | 725 | 1034 | 11100 | 1.15 | **TKA** | **68 / TRF38** | **MY 63S4** | 424 |
| | 1.5 | 605 | 903 | 11900 | 1.35 | **TKAF** | **68 / TRF38** | **MY 63S4** | 424 |
| | 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 | 330 | 471 | 13000 | 2.5 | | | | |
| | 3.3 | 270 | 420 | 13000 | 3.0 | | | | |
| | 3.8 | 250 | 361 | 13000 | 3.3 | | | | |
| | 4.3 | 220 | 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 | 7590 | 1.00 | **TK** | **58 / TRF38** | **MY 63S4** | 424 |
| | 1.7 | 545 | 806 | 8060 | 1.10 | **TKF** | **58 / TRF38** | **MY 63S4** | 424 |
| | 2.0 | 455 | 699 | 8630 | 1.30 | **TKA** | **58 / TRF38** | **MY 63S4** | 424 |
| | 2.2 | 400 | 615 | 8870 | 1.50 | **TKAF** | **58 / TRF38** | **MY 63S4** | 424 |
| | 2.5 | 350 | 544 | 9080 | 1.70 | | | | |
| | 2.9 | 325 | 473 | 9190 | 1.85 | | | | |
| | 3.3 | 275 | 421 | 9390 | 2.2 | | | | |
| | 3.8 | 250 | 362 | 9470 | 2.4 | | | | |
| | 4.3 | 220 | 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 | **TK** | **48 / TRF38** | **MY 63S4** | 424 |
| | 2.8 | 325 | 495 | 6840 | 1.25 | **TKF** | **48 / TRF38** | **MY 63S4** | 424 |
| | 3.2 | 290 | 426 | 7160 | 1.40 | **TKA** | **48 / TRF38** | **MY 63S4** | 424 |
| | 3.7 | 245 | 375 | 7510 | 1.65 | **TKAF** | **48 / TRF38** | **MY 63S4** | 424 |
| | 4.2 | 225 | 327 | 7620 | 1.75 | | | | |
| | 4.8 | 198 | 289 | 7780 | 2.0 | | | | |
| | 4.0 | 245 | 346 | 3540 | 0.80 | **TK** | **38 / TRF18** | **MY 63S4** | 424 |
| | 4.5 | 205 | 304 | 5570 | 0.95 | **TKF** | **38 / TRF18** | **MY 63S4** | 424 |
| | 5.2 | 189 | 267 | 5760 | 1.05 | **TKA** | **38 / TRF18** | **MY 63S4** | 424 |
| | 5.9 | 163 | 234 | 6010 | 1.20 | **TKAF** | **38 / TRF18** | **MY 63S4** | 424 |
| | 6.7 | 143 | 205 | 6180 | 1.40 | | | | |
| | 7.6 | 124 | 181 | 6300 | 1.60 | | | | |
| | 8.6 | 109 | 160 | 6400 | 1.85 | | | | |
| | 10 | 91 | 136 | 6490 | 2.2 | | | | |
| | 6.2 | 184 | 144.79* | 13000 | 4.5 | **TK** | **68** | **MY 63M6** | 392 |
| | | | | | | **TKF** | **68** | **MY 63M6** | 393 |
| | | | | | | **TKA** | **68** | **MY 63M6** | 394 |
| | | | | | | **TKAF** | **68** | **MY 63M6** | 393 |
| | 6.2 | 185 | 145.14* | 9680 | 3.3 | **TK** | **58** | **MY 63M6** | 388 |
| | 7.3 | 158 | 123.85 | 9760 | 3.8 | **TKF** | **58** | **MY 63M6** | 389 |
| | 8.3 | 138 | 108.29 | 9820 | 4.4 | **TKA** | **58** | **MY 63M6** | 390 |
| | 8.8 | 131 | 102.88* | 9840 | 4.6 | **TKAF** | **58** | **MY 63M6** | 389 |
| | 10 | 115 | 90.26* | 9880 | 5.2 | | | | |
| | 12 | 98 | 76.56* | 9930 | 6.2 | | | | |
| | 9.5 | 121 | 145.14* | 9870 | 5.0 | **TK** | **58** | **MY 63S4** | 388 |
| | 11 | 103 | 123.85 | 9920 | 5.8 | **TKF** | **58** | **MY 63S4** | 389 |
| | 13 | 90 | 108.29 | 9950 | 6.7 | **TKA** | **58** | **MY 63S4** | 390 |
| | 13 | 85 | 102.88* | 9960 | 7.0 | **TKAF** | **58** | **MY 63S4** | 389 |
| | 15 | 75 | 90.26* | 9990 | 8.0 | | | | |

| $P_{1n}$ [kW] | $n_2$ [r/min] | $M_{2n}$ [Nm] | i | $Fr_2$ [N] | fs |  |  | Page |
|---|---|---|---|---|---|---|---|---|
| **0.12** | 6.8 | 168 | 131.87* | 7930 | 2.4 | **TK 48** | **MY 63M6** | 384 |
| | 7.4 | 155 | 121.48* | 7990 | 2.6 | **TKF 48** | **MY 63M6** | 385 |
| | 8.6 | 133 | 104.37 | 8070 | 3.0 | **TKA 48** | **MY 63M6** | 386 |
| | | | | | | **TKAF 48** | **MY 63M6** | 385 |
| | 10 | 110 | 131.87* | 8140 | 3.7 | **TK 48** | **MY 63S4** | 384 |
| | 11 | 101 | 121.48* | 8170 | 4.0 | **TKF 48** | **MY 63S4** | 385 |
| | | | | | | **TKA 48** | **MY 63S4** | 386 |
| | | | | | | **TKAF 48** | **MY 63S4** | 385 |
| | 8.5 | 136 | 106.38 | 6230 | 1.50 | **TK 38** | **MY 63M6** | 380 |
| | 9.2 | 125 | 97.81 | 6300 | 1.60 | **TKF 38** | **MY 63M6** | 381 |
| | 11 | 107 | 83.69 | 6410 | 1.90 | **TKA 38** | **MY 63M6** | 382 |
| | 12 | 92 | 72.54 | 6480 | 2.2 | **TKAF 38** | **MY 63M6** | 381 |
| | 13 | 88 | 106.38 | 6500 | 2.3 | **TK 38** | **MY 63S4** | 380 |
| | 14 | 81 | 97.81 | 6530 | 2.5 | **TKF 38** | **MY 63S4** | 381 |
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| | 19 | 60 | 72.54 | 6600 | 3.3 | **TKAF 38** | **MY 63S4** | 381 |
| | 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 | | | |
| | 39 | 30 | 35.57 | 5550 | 6.8 | | | |
| | 46 | 25 | 29.96 | 5270 | 8.0 | | | |
| | 48 | 24 | 28.83 | 5210 | 8.4 | | | |
| | 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 | 15800 | 14975 | 74400 | 0.80 | **TK 128 / TRF78** | **MY 63M4** | 424 |
| | 0.11 | 13100 | 12440 | 79100 | 1.00 | **TKF 128 / TRF78** | **MY 63M4** | 424 |
| | 0.12 | 11500 | 10915 | 80000 | 1.15 | **TKA 128 / TRF78** | **MY 63M4** | 424 |
| | 0.13 | 10300 | 9819 | 80500 | 1.25 | **TKAF 128 / TRF78** | **MY 63M4** | 424 |
| | 0.16 | 8870 | 8443 | 81100 | 1.45 | | | |
| | 0.18 | 7880 | 7482 | 81500 | 1.65 | | | |
| | 0.20 | 6920 | 6565 | 81800 | 1.90 | | | |
| | 0.23 | 5890 | 5804 | 82100 | 2.2 | | | |
| | 0.26 | 5210 | 5027 | 82300 | 2.5 | **TK 128 / TRF78** | **MY 63M4** | 424 |
| | 0.30 | 4490 | 4423 | 82400 | 2.9 | **TKF 128 / TRF78** | **MY 63M4** | 424 |
| | 0.34 | 3910 | 3889 | 82500 | 3.3 | **TKA 128 / TRF78** | **MY 63M4** | 424 |
| | 0.40 | 3250 | 3311 | 82600 | 4.0 | **TKAF 128 / TRF78** | **MY 63M4** | 424 |
| | 0.16 | 8780 | 8328 | 65000 | 0.90 | **TK 108 / TRF78** | **MY 63M4** | 424 |
| | 0.18 | 7660 | 7270 | 65000 | 1.05 | **TKF 108 / TRF78** | **MY 63M4** | 424 |
| | 0.21 | 6410 | 6184 | 65000 | 1.25 | **TKA 108 / TRF78** | **MY 63M4** | 424 |
| | 0.23 | 5690 | 5662 | 65000 | 1.40 | **TKAF 108 / TRF78** | **MY 63M4** | 424 |
| | 0.26 | 5160 | 5138 | 65000 | 1.55 | | | |
| | 0.30 | 4580 | 4359 | 65000 | 1.75 | | | |
| | 0.35 | 4010 | 3810 | 65000 | 2.0 | | | |
| | 0.39 | 3410 | 3358 | 65000 | 2.4 | | | |
| | 0.44 | 3090 | 2977 | 65000 | 2.6 | | | |
| | 0.51 | 2690 | 2599 | 65000 | 3.0 | | | |
| | 0.58 | 2320 | 2286 | 65000 | 3.5 | | | |
| | 0.28 | 5060 | 4669 | 39800 | 0.85 | **TK 98 / TRF58** | **MY 63M4** | 424 |
| | 0.32 | 4540 | 4082 | 40000 | 0.95 | **TKF 98 / TRF58** | **MY 63M4** | 424 |
| | 0.37 | 3940 | 3583 | 40000 | 1.10 | **TKA 98 / TRF58** | **MY 63M4** | 424 |
| | 0.42 | 3450 | 3108 | 40000 | 1.25 | **TKAF 98 / TRF58** | **MY 63M4** | 424 |
| | 0.48 | 2990 | 2757 | 40000 | 1.45 | | | |
| | 0.55 | 2720 | 2419 | 40000 | 1.60 | **TK 98 / TRF58** | **MY 63M4** | 424 |
| | 0.62 | 2360 | 2123 | 40000 | 1.80 | **TKF 98 / TRF58** | **MY 63M4** | 424 |
| | 0.71 | 2090 | 1856 | 40000 | 2.1 | **TKA 98 / TRF58** | **MY 63M4** | 424 |
| | 0.81 | 1760 | 1625 | 40000 | 2.4 | **TKAF 98 / TRF58** | **MY 63M4** | 424 |

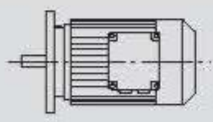
| $P_{1n}$ [kW] | $n_2$ [r/min] | $M_{2n}$ [Nm] | i | $Fr_2$ [N] | fs |  |  | Page |
|---|---|---|---|---|---|---|---|---|
| **0.18** | 0.92 | 1530 | 1430 | 40000 | 2.8 | **TK 98 / TRF58** | **MY 63M4** | 424 |
| | 1.1 | 1420 | 1261 | 40000 | 3.0 | **TKF 98 / TRF58** | **MY 63M4** | 424 |
| | 1.2 | 1240 | 1102 | 40000 | 3.5 | **TKA 98 / TRF58** | **MY 63M4** | 424 |
| | 1.4 | 1090 | 957 | 40000 | 4.0 | **TKAF 98 / TRF58** | **MY 63M4** | 424 |
| | 1.5 | 970 | 855 | 40000 | 4.4 | | | |
| | 1.8 | 775 | 743 | 40000 | 5.6 | | | |
| | 2.0 | 690 | 652 | 40000 | 6.2 | | | |
| | 0.42 | 3440 | 3107 | 26200 | 0.80 | **TK 88 / TRF58** | **MY 63M4** | 424 |
| | 0.48 | 2920 | 2728 | 27000 | 0.90 | **TKF 88 / TRF58** | **MY 63M4** | 424 |
| | 0.56 | 2570 | 2371 | 27500 | 1.05 | **TKA 88 / TRF58** | **MY 63M4** | 424 |
| | | | | | | **TKAF 88 / TRF58** | **MY 63M4** | 424 |
| | 0.63 | 2350 | 2088 | 27700 | 1.15 | **TK 88 / TRF58** | **MY 63M4** | 424 |
| | 0.71 | 2090 | 1854 | 28000 | 1.30 | **TKF 88 / TRF58** | **MY 63M4** | 424 |
| | 0.80 | 1870 | 1657 | 28200 | 1.45 | **TKA 88 / TRF58** | **MY 63M4** | 424 |
| | 0.93 | 1590 | 1415 | 28400 | 1.70 | **TKAF 88 / TRF58** | **MY 63M4** | 424 |
| | 1.1 | 1380 | 1229 | 28600 | 1.95 | | | |
| | 1.2 | 1200 | 1078 | 28700 | 2.3 | | | |
| | 1.4 | 1030 | 951 | 28800 | 2.6 | | | |
| | 1.6 | 890 | 837 | 28800 | 3.0 | | | |
| | 1.8 | 775 | 726 | 28900 | 3.5 | | | |
| | 0.87 | 1720 | 1514 | 14100 | 0.90 | **TK 78 / TRF38** | **MY 63M4** | 424 |
| | 0.95 | 1570 | 1388 | 15200 | 1.00 | **TKF 78 / TRF38** | **MY 63M4** | 424 |
| | 1.1 | 1380 | 1218 | 16500 | 1.10 | **TKA 78 / TRF38** | **MY 63M4** | 424 |
| | 1.2 | 1200 | 1053 | 17400 | 1.30 | **TKAF 78 / TRF38** | **MY 63M4** | 424 |
| | 1.4 | 1050 | 924 | 18100 | 1.45 | | | |
| | 1.6 | 930 | 815 | 18600 | 1.65 | | | |
| | 1.9 | 760 | 709 | 19100 | 2.0 | | | |
| | 2.1 | 670 | 622 | 19300 | 2.3 | | | |
| | 2.4 | 600 | 552 | 19500 | 2.6 | | | |
| | 2.7 | 530 | 485 | 19600 | 2.9 | | | |
| | 3.1 | 465 | 428 | 19800 | 3.3 | | | |
| | 3.6 | 410 | 367 | 19800 | 3.8 | | | |
| | 1.7 | 930 | 793 | 9240 | 0.90 | **TK 68 / TRF38** | **MY 63M4** | 424 |
| | 1.9 | 765 | 697 | 10800 | 1.05 | **TKF 68 / TRF38** | **MY 63M4** | 424 |
| | 2.1 | 670 | 613 | 11500 | 1.20 | **TKA 68 / TRF38** | **MY 63M4** | 424 |
| | 2.4 | 590 | 542 | 12000 | 1.40 | **TKAF 68 / TRF38** | **MY 63M4** | 424 |
| | 2.8 | 540 | 471 | 12200 | 1.50 | | | |
| | 3.1 | 455 | 420 | 12600 | 1.80 | | | |
| | 3.6 | 410 | 361 | 12800 | 2.0 | | | |
| | 4.1 | 360 | 323 | 12900 | 2.3 | | | |
| | 4.7 | 305 | 279 | 13000 | 2.7 | | | |
| | 2.4 | 590 | 544 | 7690 | 1.00 | **TK 58 / TRF38** | **MY 63M4** | 424 |
| | 2.8 | 535 | 473 | 8150 | 1.10 | **TKF 58 / TRF38** | **MY 63M4** | 424 |
| | 3.1 | 460 | 421 | 8620 | 1.30 | **TKA 58 / TRF38** | **MY 63M4** | 424 |
| | 3.6 | 410 | 362 | 8840 | 1.45 | **TKAF 58 / TRF38** | **MY 63M4** | 424 |
| | 4.1 | 360 | 319 | 9050 | 1.65 | | | |
| | 4.7 | 305 | 280 | 9270 | 1.95 | | | |
| | 5.4 | 270 | 246 | 9400 | 2.2 | | | |
| | 6.1 | 235 | 215 | 9510 | 2.5 | | | |
| | 6.9 | 210 | 192 | 9600 | 2.9 | | | |
| | 7.9 | 182 | 166 | 9690 | 3.3 | | | |
| | 3.5 | 410 | 375 | 5600 | 1.00 | **TK 48 / TRF38** | **MY 63M4** | 424 |
| | 4.0 | 370 | 327 | 6320 | 1.10 | **TKF 48 / TRF38** | **MY 63M4** | 424 |
| | 4.6 | 325 | 289 | 6810 | 1.20 | **TKA 48 / TRF38** | **MY 63M4** | 424 |
| | 5.2 | 280 | 256 | 7240 | 1.45 | **TKAF 48 / TRF38** | **MY 63M4** | 424 |
| | 5.9 | 250 | 225 | 7450 | 1.60 | | | |
| | 6.7 | 215 | 198 | 7680 | 1.85 | | | |
| | 7.7 | 188 | 171 | 7840 | 2.1 | | | |
| | 8.6 | 168 | 153 | 7930 | 2.4 | | | |
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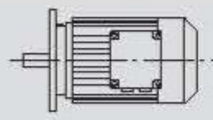
| $P_{1n}$ [kW] | $n_2$ [r/min] | $M_{2n}$ [Nm] | i | $Fr_2$ [N] | fs |  |  | Page |
|---|---|---|---|---|---|---|---|---|
| **0.18** | 6.4 | 235 | 205 | 4860 | 0.85 | **TK** | **38 / TRF18** | **MY 63M4** | 424 |
| | 7.3 | 205 | 181 | 5590 | 1.00 | **TKF** | **38 / TRF18** | **MY 63M4** | 424 |
| | 8.2 | 180 | 160 | 5860 | 1.10 | **TKA** | **38 / TRF18** | **MY 63M4** | 424 |
| | 9.7 | 151 | 136 | 6110 | 1.35 | **TKAF** | **38 / TRF18** | **MY 63M4** | 424 |
| | 10 | 145 | 127 | 6160 | 1.40 | | | | |
| | 6.0 | 285 | 144.79* | 13000 | 2.9 | **TK** | **68** | **MY 63L6** | 392 |
| | 7.0 | 245 | 123.54 | 13000 | 3.4 | **TKF** | **68** | **MY 63L6** | 393 |
| | 8.1 | 215 | 108.03 | 13000 | 3.8 | **TKA** | **68** | **MY 63L6** | 394 |
| | 8.5 | 205 | 102.62 | 13000 | 4.0 | **TKAF** | **68** | **MY 63L6** | 393 |
| | 9.1 | 189 | 144.79* | 13000 | 4.4 | **TK** | **68** | **MY 63M4** | 392 |
| | 11 | 161 | 123.54 | 13000 | 5.1 | **TKF** | **68** | **MY 63M4** | 393 |
| | 12 | 141 | 108.03 | 13000 | 5.8 | **TKA** | **68** | **MY 63M4** | 394 |
| | | | | | | **TKAF** | **68** | **MY 63M4** | 393 |
| | 6.0 | 285 | 145.14* | 9340 | 2.1 | **TK** | **58** | **MY 63L6** | 388 |
| | 7.0 | 245 | 123.85 | 9480 | 2.5 | **TKF** | **58** | **MY 63L6** | 389 |
| | 8.0 | 215 | 108.29 | 9590 | 2.8 | **TKA** | **58** | **MY 63L6** | 390 |
| | 8.5 | 205 | 102.88* | 9620 | 3.0 | **TKAF** | **58** | **MY 63L6** | 389 |
| | 9.6 | 178 | 90.26* | 9700 | 3.4 | | | | |
| | 9.1 | 189 | 145.14* | 9670 | 3.2 | **TK** | **58** | **MY 63M4** | 388 |
| | 11 | 161 | 123.85 | 9750 | 3.7 | **TKF** | **58** | **MY 63M4** | 389 |
| | 12 | 141 | 108.29 | 9810 | 4.3 | **TKA** | **58** | **MY 63M4** | 390 |
| | 13 | 134 | 102.88* | 9830 | 4.5 | **TKAF** | **58** | **MY 63M4** | 389 |
| | 15 | 118 | 90.26* | 9880 | 5.1 | | | | |
| | 17 | 100 | 76.56* | 9920 | 6.0 | | | | |
| | 6.6 | 260 | 131.87* | 7380 | 1.55 | **TK** | **48** | **MY 63L6** | 384 |
| | 7.2 | 240 | 121.48* | 7530 | 1.65 | **TKF** | **48** | **MY 63L6** | 385 |
| | 8.3 | 205 | 104.37 | 7740 | 1.95 | **TKA** | **48** | **MY 63L6** | 386 |
| | 9.6 | 180 | 90.86 | 7880 | 2.2 | **TKAF** | **48** | **MY 63L6** | 385 |
| | 10 | 168 | 85.12* | 7930 | 2.4 | | | | |
| | 10 | 172 | 131.87* | 7910 | 2.3 | **TK** | **48** | **MY 63M4** | 384 |
| | 11 | 158 | 121.48* | 7970 | 2.5 | **TKF** | **48** | **MY 63M4** | 385 |
| | 13 | 136 | 104.37 | 8060 | 2.9 | **TKA** | **48** | **MY 63M4** | 386 |
| | 15 | 118 | 90.86 | 8120 | 3.4 | **TKAF** | **48** | **MY 63M4** | 385 |
| | 16 | 111 | 85.12* | 8140 | 3.6 | | | | |
| | 8.2 | 210 | 106.38 | 5520 | 0.95 | **TK** | **38** | **MY 63L6** | 380 |
| | 8.9 | 193 | 97.81 | 5710 | 1.05 | **TKF** | **38** | **MY 63L6** | 381 |
| | 10 | 165 | 83.69 | 5990 | 1.20 | **TKA** | **38** | **MY 63L6** | 382 |
| | 12 | 143 | 72.54 | 6170 | 1.40 | **TKAF** | **38** | **MY 63L6** | 381 |
| | 12 | 139 | 106.38 | 6210 | 1.45 | **TK** | **38** | **MY 63M4** | 380 |
| | 14 | 127 | 97.81 | 6280 | 1.55 | **TKF** | **38** | **MY 63M4** | 381 |
| | 16 | 109 | 83.69 | 6400 | 1.85 | **TKA** | **38** | **MY 63M4** | 382 |
| | 18 | 95 | 72.54 | 6470 | 2.1 | **TKAF** | **38** | **MY 63M4** | 381 |
| | 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 | 3.5 | | | | |
| | 35 | 49 | 37.97 | 5580 | 4.1 | | | | |
| | 37 | 46 | 35.57 | 5480 | 4.3 | | | | |
| | 44 | 39 | 29.96 | 5220 | 5.1 | | | | |
| | 46 | 38 | 28.83 | 5160 | 5.3 | | | | |
| | 53 | 33 | 24.99 | 4950 | 6.2 | | | | |
| | 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 | | | | |

| $P_{1n}$ [kW] | $n_2$ [r/min] | $M_{2n}$ [Nm] | i | $Fr_2$ [N] | fs |  |  | Page |
|---|---|---|---|---|---|---|---|---|
| **0.25** | 0.13 | 15200 | 9819 | 75600 | 0.85 | **TK 128 / TRF78** | **MY 63L4** | 424 |
| | 0.15 | 13000 | 8443 | 79200 | 1.00 | **TKF 128 / TRF78** | **MY 63L4** | 424 |
| | 0.17 | 11600 | 7482 | 79900 | 1.10 | **TKA 128 / TRF78** | **MY 63L4** | 424 |
| | 0.20 | 10200 | 6565 | 80600 | 1.30 | **TKAF 128 / TRF78** | **MY 63L4** | 424 |
| | 0.22 | 8750 | 5804 | 81200 | 1.50 | | | |
| | 0.26 | 7690 | 5027 | 81600 | 1.70 | | | |
| | 0.29 | 6670 | 4423 | 81900 | 1.95 | | | |
| | 0.33 | 5830 | 3889 | 82100 | 2.2 | | | |
| | 0.39 | 4880 | 3311 | 82300 | 2.7 | | | |
| | 0.21 | 9460 | 6184 | 65000 | 0.85 | **TK 108 / TRF78** | **MY 63L4** | 424 |
| | 0.23 | 8480 | 5662 | 65000 | 0.95 | **TKF 108 / TRF78** | **MY 63L4** | 424 |
| | 0.25 | 7700 | 5138 | 65000 | 1.05 | **TKA 108 / TRF78** | **MY 63L4** | 424 |
| | 0.30 | 6730 | 4359 | 65000 | 1.20 | **TKAF 108 / TRF78** | **MY 63L4** | 424 |
| | 0.34 | 5880 | 3810 | 65000 | 1.35 | | | |
| | 0.39 | 5060 | 3358 | 65000 | 1.60 | | | |
| | 0.44 | 4550 | 2977 | 65000 | 1.75 | | | |
| | 0.50 | 3980 | 2599 | 65000 | 2.0 | | | |
| | 0.57 | 3450 | 2286 | 65000 | 2.3 | | | |
| | 0.67 | 2920 | 1939 | 65000 | 2.7 | | | |
| | 0.76 | 2680 | 1713 | 65000 | 3.0 | **TK 108 / TRF78** | **MY 63L4** | 424 |
| | 0.84 | 2430 | 1554 | 65000 | 3.3 | **TKF 108 / TRF78** | **MY 63L4** | 424 |
| | 0.97 | 2090 | 1336 | 65000 | 3.8 | **TKA 108 / TRF78** | **MY 63L4** | 424 |
| | | | | | | **TKAF 108 / TRF78** | **MY 63L4** | 424 |
| | 0.42 | 4990 | 3108 | 39900 | 0.85 | **TK 98 / TRF58** | **MY 63L4** | 424 |
| | 0.47 | 4360 | 2757 | 40000 | 1.00 | **TKF 98 / TRF58** | **MY 63L4** | 424 |
| | | | | | | **TKA 98 / TRF58** | **MY 63L4** | 424 |
| | | | | | | **TKAF 98 / TRF58** | **MY 63L4** | 424 |
| | 0.54 | 3930 | 2419 | 40000 | 1.10 | **TK 98 / TRF58** | **MY 63L4** | 424 |
| | 0.61 | 3420 | 2123 | 40000 | 1.25 | **TKF 98 / TRF58** | **MY 63L4** | 424 |
| | 0.70 | 3020 | 1856 | 40000 | 1.40 | **TKA 98 / TRF58** | **MY 63L4** | 424 |
| | 0.80 | 2580 | 1625 | 40000 | 1.65 | **TKAF 98 / TRF58** | **MY 63L4** | 424 |
| | 0.91 | 2240 | 1430 | 40000 | 1.90 | | | |
| | 1.0 | 2050 | 1261 | 40000 | 2.1 | | | |
| | 1.2 | 1790 | 1102 | 40000 | 2.4 | | | |
| | 1.4 | 1570 | 957 | 40000 | 2.7 | | | |
| | 1.5 | 1400 | 855 | 40000 | 3.1 | | | |
| | 0.62 | 3390 | 2088 | 26300 | 0.80 | **TK 88 / TRF58** | **MY 63L4** | 424 |
| | 0.70 | 3010 | 1854 | 26900 | 0.90 | **TKF 88 / TRF58** | **MY 63L4** | 424 |
| | 0.78 | 2700 | 1657 | 27300 | 1.00 | **TKA 88 / TRF58** | **MY 63L4** | 424 |
| | 0.92 | 2300 | 1415 | 27800 | 1.15 | **TKAF 88 / TRF58** | **MY 63L4** | 424 |
| | 1.1 | 2000 | 1229 | 28100 | 1.35 | | | |
| | 1.2 | 1740 | 1078 | 28300 | 1.55 | | | |
| | 1.4 | 1510 | 951 | 28500 | 1.80 | | | |
| | 1.6 | 1310 | 837 | 28600 | 2.1 | | | |
| | 1.8 | 1140 | 726 | 28700 | 2.4 | | | |
| | 2.0 | 1010 | 638 | 28800 | 2.7 | | | |
| | 1.2 | 1730 | 1053 | 14000 | 0.90 | **TK 78 / TRF38** | **MY 63L4** | 424 |
| | 1.4 | 1520 | 924 | 15600 | 1.00 | **TKF 78 / TRF38** | **MY 63L4** | 424 |
| | 1.6 | 1340 | 815 | 16700 | 1.15 | **TKA 78 / TRF38** | **MY 63L4** | 424 |
| | 1.8 | 1120 | 709 | 17800 | 1.40 | **TKAF 78 / TRF38** | **MY 63L4** | 424 |
| | 2.1 | 980 | 622 | 18400 | 1.60 | | | |
| | 2.4 | 880 | 552 | 18700 | 1.75 | | | |
| | 2.7 | 770 | 485 | 19100 | 2.0 | | | |
| | 3.0 | 680 | 428 | 19300 | 2.3 | | | |
| | 3.5 | 595 | 367 | 19500 | 2.6 | | | |
| | 4.0 | 525 | 328 | 19600 | 2.9 | | | |
| | 4.5 | 470 | 290 | 19700 | 3.3 | | | |
| | 5.2 | 400 | 252 | 19900 | 3.9 | | | |
| | 5.9 | 355 | 221 | 19900 | 4.4 | | | |
| | 6.7 | 310 | 195 | 20000 | 5.0 | | | |
| | 7.5 | 275 | 175 | 20000 | 5.7 | | | |

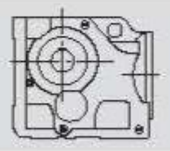
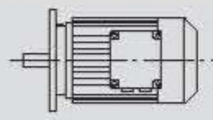
| $P_{1n}$ [kW] | $n_2$ [r/min] | $M_{2n}$ [Nm] | i | $Fr_2$ [N] | fs |  |  | Page |
|---|---|---|---|---|---|---|---|---|
| **0.25** | 2.1 | 980 | 613 | 5690 | 0.85 | **TK** | **68 / TRF38** | **MY 63L4** | 424 |
| | 2.4 | 860 | 542 | 9920 | 0.95 | **TKF** | **68 / TRF38** | **MY 63L4** | 424 |
| | 2.8 | 775 | 471 | 10700 | 1.05 | **TKA** | **68 / TRF38** | **MY 63L4** | 424 |
| | 3.1 | 665 | 420 | 11500 | 1.25 | **TKAF** | **68 / TRF38** | **MY 63L4** | 424 |
| | 3.6 | 590 | 361 | 11900 | 1.40 | | | | |
| | 4.0 | 525 | 323 | 12300 | 1.55 | | | | |
| | 4.7 | 445 | 279 | 12700 | 1.85 | | | | |
| | 5.3 | 390 | 246 | 12800 | 2.1 | | | | |
| | 6.0 | 345 | 217 | 13000 | 2.4 | | | | |
| | 3.1 | 670 | 421 | 4200 | 0.90 | **TK** | **58 / TRF38** | **MY 63L4** | 424 |
| | 3.6 | 590 | 362 | 7690 | 1.00 | **TKF** | **58 / TRF38** | **MY 63L4** | 424 |
| | 4.1 | 520 | 319 | 8260 | 1.15 | **TKA** | **58 / TRF38** | **MY 63L4** | 424 |
| | 4.7 | 445 | 280 | 8680 | 1.35 | **TKAF** | **58 / TRF38** | **MY 63L4** | 424 |
| | 5.3 | 390 | 246 | 8920 | 1.55 | | | | |
| | 6.0 | 345 | 215 | 9110 | 1.75 | | | | |
| | 6.8 | 305 | 192 | 9260 | 1.95 | | | | |
| | 7.8 | 265 | 166 | 9410 | 2.3 | | | | |
| | 9.0 | 230 | 145 | 9530 | 2.6 | **TK** | **58 / TRF38** | **MY 63L4** | 424 |
| | 10 | 210 | 129 | 9600 | 2.9 | **TKF** | **58 / TRF38** | **MY 63L4** | 424 |
| | 12 | 178 | 111 | 9700 | 3.4 | **TKA** | **58 / TRF38** | **MY 63L4** | 424 |
| | 13 | 156 | 97 | 9770 | 3.8 | **TKAF** | **58 / TRF38** | **MY 63L4** | 424 |
| | 4.4 | 540 | 154.02 | 19600 | 2.9 | **TK** | **78** | **MY 80N8** | 396 |
| | 5.0 | 475 | 135.28 | 19700 | 3.3 | **TKF** | **78** | **MY 80N8** | 397 |
| | 5.3 | 450 | 128.52 | 19800 | 3.4 | **TKA** | **78** | **MY 80N8** | 398 |
| | 6.0 | 400 | 113.56 | 19900 | 3.9 | **TKAF** | **78** | **MY 80N8** | 397 |
| | 4.6 | 520 | 192.18 | 19700 | 2.8 | **TK** | **78** | **MY 71D6** | 396 |
| | 4.9 | 485 | 179.37 | 19700 | 3.0 | **TKF** | **78** | **MY 71D6** | 397 |
| | 5.7 | 420 | 154.02 | 19800 | 3.7 | **TKA** | **78** | **MY 71D6** | 398 |
| | 6.5 | 365 | 135.28 | 19900 | 4.2 | **TKAF** | **78** | **MY 71D6** | 397 |
| | 5.5 | 435 | 123.54 | 12700 | 1.90 | **TK** | **68** | **MY 80N8** | 392 |
| | 6.3 | 380 | 108.03 | 12900 | 2.2 | **TKF** | **68** | **MY 80N8** | 393 |
| | 6.6 | 360 | 102.62 | 12900 | 2.3 | **TKA** | **68** | **MY 80N8** | 394 |
| | 7.5 | 315 | 90.04 | 13000 | 2.6 | **TKAF** | **68** | **MY 80N8** | 393 |
| | 6.1 | 395 | 144.79* | 12800 | 2.1 | **TK** | **68** | **MY 71D6** | 392 |
| | 7.1 | 335 | 123.54 | 13000 | 2.5 | **TKF** | **68** | **MY 71D6** | 393 |
| | 8.2 | 295 | 108.03 | 13000 | 2.8 | **TKA** | **68** | **MY 71D6** | 394 |
| | 8.6 | 280 | 102.62 | 13000 | 3.0 | **TKAF** | **68** | **MY 71D6** | 393 |
| | 9.0 | 265 | 144.79* | 13000 | 3.1 | **TK** | **68** | **MY 63L4** | 392 |
| | 11 | 225 | 123.54 | 13000 | 3.6 | **TKF** | **68** | **MY 63L4** | 393 |
| | 12 | 198 | 108.03 | 13000 | 4.1 | **TKA** | **68** | **MY 63L4** | 394 |
| | 13 | 189 | 102.62 | 13000 | 4.4 | **TKAF** | **68** | **MY 63L4** | 393 |
| | 6.1 | 395 | 145.14* | 8910 | 1.50 | **TK** | **58** | **MY 71D6** | 388 |
| | 7.1 | 335 | 123.85 | 9150 | 1.80 | **TKF** | **58** | **MY 71D6** | 389 |
| | 8.1 | 295 | 108.29 | 9310 | 2.0 | **TKA** | **58** | **MY 71D6** | 390 |
| | 8.6 | 280 | 102.88* | 9360 | 2.2 | **TKAF** | **58** | **MY 71D6** | 389 |
| | 9.8 | 245 | 90.26* | 9480 | 2.5 | | | | |
| | 11 | 210 | 76.56* | 9610 | 2.9 | | | | |
| | 9.0 | 265 | 145.14* | 9410 | 2.3 | **TK** | **58** | **MY 63L4** | 388 |
| | 11 | 225 | 123.85 | 9540 | 2.6 | **TKF** | **58** | **MY 63L4** | 389 |
| | 12 | 199 | 108.29 | 9640 | 3.0 | **TKA** | **58** | **MY 63L4** | 390 |
| | 13 | 189 | 102.88* | 9670 | 3.2 | **TKAF** | **58** | **MY 63L4** | 389 |
| | 14 | 166 | 90.26* | 9740 | 3.6 | | | | |
| | 17 | 141 | 76.56* | 9810 | 4.3 | | | | |
| | 6.7 | 360 | 131.87* | 6470 | 1.10 | **TK** | **48** | **MY 71D6** | 384 |
| | 7.2 | 330 | 121.48* | 6780 | 1.20 | **TKF** | **48** | **MY 71D6** | 385 |
| | 8.4 | 285 | 104.37 | 7210 | 1.40 | **TKA** | **48** | **MY 71D6** | 386 |
| | 9.7 | 245 | 90.86 | 7480 | 1.60 | **TKAF** | **48** | **MY 71D6** | 385 |
| | 10 | 230 | 85.12* | 7590 | 1.75 | | | | |
| | 9.9 | 240 | 131.87* | 7510 | 1.65 | **TK** | **48** | **MY 63L4** | 384 |
| | 11 | 225 | 121.48* | 7640 | 1.80 | **TKF** | **48** | **MY 63L4** | 385 |
| | 12 | 192 | 104.37 | 7820 | 2.1 | **TKA** | **48** | **MY 63L4** | 386 |
| | 14 | 167 | 90.86 | 7930 | 2.4 | **TKAF** | **48** | **MY 63L4** | 385 |
| | 15 | 156 | 85.12* | 7980 | 2.6 | | | | |

| $P_{1n}$ [kW] | $n_2$ [r/min] | $M_{2n}$ [Nm] | i | $Fr_2$ [N] | fs | | | Page |
|---|---|---|---|---|---|---|---|---|
| **0.25** | 11 | 225 | 83.69 | 5300 | 0.90 | **TK 38** | **MY 71D6** | 380 |
| | 12 | 197 | 72.54 | 5680 | 1.00 | **TKF 38** | **MY 71D6** | 381 |
| | 13 | 184 | 67.80 | 5810 | 1.10 | **TKA 38** | **MY 71D6** | 382 |
| | 15 | 159 | 58.60 | 6050 | 1.25 | **TKAF 38** | **MY 71D6** | 381 |
| | 18 | 135 | 49.79 | 6230 | 1.50 | | | |
| | 12 | 195 | 106.38 | 5690 | 1.00 | **TK 38** | **MY 63L4** | 380 |
| | 13 | 180 | 97.81 | 5860 | 1.10 | **TKF 38** | **MY 63L4** | 381 |
| | 16 | 154 | 83.69 | 6090 | 1.30 | **TKA 38** | **MY 63L4** | 382 |
| | 18 | 133 | 72.54 | 6250 | 1.50 | **TKAF 38** | **MY 63L4** | 381 |
| | 19 | 125 | 67.80 | 6230 | 1.60 | | | |
| | 22 | 108 | 58.60 | 6030 | 1.85 | **TK 38** | **MY 63L4** | 380 |
| | 26 | 91 | 49.79 | 5810 | 2.2 | **TKF 38** | **MY 63L4** | 381 |
| | 29 | 82 | 44.46 | 5650 | 2.5 | **TKA 38** | **MY 63L4** | 382 |
| | 34 | 70 | 37.97 | 5430 | 2.9 | **TKAF 38** | **MY 63L4** | 381 |
| | 37 | 65 | 35.57 | 5340 | 3.1 | | | |
| | 43 | 55 | 29.96 | 5100 | 3.6 | | | |
| | 45 | 53 | 28.83 | 5050 | 3.8 | | | |
| | 52 | 46 | 24.99 | 4860 | 4.4 | | | |
| | 56 | 43 | 23.36 | 4770 | 4.6 | | | |
| | 64 | 37 | 20.19 | 4580 | 5.0 | | | |
| | 76 | 32 | 17.15 | 4370 | 5.7 | | | |
| | 85 | 28 | 15.31 | 4230 | 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 | 13 | 6.80 | 3310 | 12 | | | |
| | 204 | 12 | 6.37 | 3240 | 12 | | | |
| **0.37** | 0.18 | 16600 | 7482 | 72700 | 0.80 | **TK 128 / TRF78** | **MY 71D4** | 424 |
| | 0.21 | 14500 | 6565 | 76900 | 0.90 | **TKF 128 / TRF78** | **MY 71D4** | 424 |
| | 0.24 | 12600 | 5804 | 79400 | 1.05 | **TKA 128 / TRF78** | **MY 71D4** | 424 |
| | 0.27 | 11000 | 5027 | 80200 | 1.20 | **TKAF 128 / TRF78** | **MY 71D4** | 424 |
| | 0.31 | 9610 | 4423 | 80800 | 1.35 | | | |
| | 0.35 | 8420 | 3889 | 81300 | 1.55 | | | |
| | 0.42 | 7080 | 3311 | 81800 | 1.85 | | | |
| | 0.72 | 4280 | 1926 | 82400 | 3.0 | **TK 128 / TRF78** | **MY 71D4** | 424 |
| | 0.79 | 3900 | 1757 | 82500 | 3.3 | **TKF 128 / TRF78** | **MY 71D4** | 424 |
| | 0.90 | 3390 | 1541 | 82600 | 3.8 | **TKA 128 / TRF78** | **MY 71D4** | 424 |
| | | | | | | **TKAF 128 / TRF78** | **MY 71D4** | 424 |
| | 0.36 | 8420 | 3810 | 65000 | 0.95 | **TK 108 / TRF78** | **MY 71D4** | 424 |
| | 0.41 | 7300 | 3358 | 65000 | 1.10 | **TKF 108 / TRF78** | **MY 71D4** | 424 |
| | 0.46 | 6540 | 2977 | 65000 | 1.20 | **TKA 108 / TRF78** | **MY 71D4** | 424 |
| | 0.53 | 5710 | 2599 | 65000 | 1.40 | **TKAF 108 / TRF78** | **MY 71D4** | 424 |
| | 0.60 | 4970 | 2286 | 65000 | 1.60 | | | |
| | 0.71 | 4210 | 1939 | 65000 | 1.90 | | | |
| | 0.81 | 3830 | 1713 | 65000 | 2.1 | **TK 108 / TRF78** | **MY 71D4** | 424 |
| | 0.89 | 3480 | 1554 | 65000 | 2.3 | **TKF 108 / TRF78** | **MY 71D4** | 424 |
| | 1.0 | 2990 | 1336 | 65000 | 2.7 | **TKA 108 / TRF78** | **MY 71D4** | 424 |
| | 1.2 | 2610 | 1166 | 65000 | 3.1 | **TKAF 108 / TRF78** | **MY 71D4** | 424 |
| | 0.65 | 4860 | 2123 | 40000 | 0.90 | **TK 98 / TRF58** | **MY 71D4** | 424 |
| | 0.74 | 4270 | 1856 | 40000 | 1.00 | **TKF 98 / TRF58** | **MY 71D4** | 424 |
| | 0.85 | 3670 | 1625 | 40000 | 1.15 | **TKA 98 / TRF58** | **MY 71D4** | 424 |
| | 0.96 | 3200 | 1430 | 40000 | 1.35 | **TKAF 98 / TRF58** | **MY 71D4** | 424 |
| | 1.1 | 2900 | 1261 | 40000 | 1.50 | | | |
| | 1.2 | 2540 | 1102 | 40000 | 1.70 | | | |
| | 1.4 | 2220 | 957 | 40000 | 1.95 | | | |
| | 1.6 | 1990 | 855 | 40000 | 2.2 | | | |
| | 1.9 | 1640 | 743 | 40000 | 2.6 | | | |
| | 2.1 | 1450 | 652 | 40000 | 3.0 | | | |
| | 2.4 | 1310 | 573 | 40000 | 3.3 | | | |

| $P_{1n}$ [kW] | $n_2$ [r/min] | $M_{2n}$ [Nm] | i | $Fr_2$ [N] | fs |  |  | Page |
|---|---|---|---|---|---|---|---|---|
| **0.37** | 0.97 | 3250 | 1415 | 26500 | 0.85 | **TK** | **88 / TRF58** | **MY 71D4** | 424 |
| | 1.1 | 2820 | 1229 | 27100 | 0.95 | **TKF** | **88 / TRF58** | **MY 71D4** | 424 |
| | 1.3 | 2470 | 1078 | 27600 | 1.10 | **TKA** | **88 / TRF58** | **MY 71D4** | 424 |
| | 1.4 | 2150 | 951 | 27900 | 1.25 | **TKAF** | **88 / TRF58** | **MY 71D4** | 424 |
| | 1.7 | 1880 | 837 | 28200 | 1.45 | | | | |
| | 1.9 | 1630 | 726 | 28400 | 1.65 | **TK** | **88 / TRF58** | **MY 71D4** | 424 |
| | 2.2 | 1440 | 638 | 28500 | 1.85 | **TKF** | **88 / TRF58** | **MY 71D4** | 424 |
| | 2.5 | 1260 | 562 | 28600 | 2.2 | **TKA** | **88 / TRF58** | **MY 71D4** | 424 |
| | 2.9 | 1060 | 474 | 28800 | 2.6 | **TKAF** | **88 / TRF58** | **MY 71D4** | 424 |
| | 3.2 | 950 | 426 | 28800 | 2.8 | | | | |
| | 3.7 | 830 | 373 | 28900 | 3.2 | | | | |
| | 1.7 | 1890 | 815 | 7450 | 0.80 | **TK** | **78 / TRF38** | **MY 71D4** | 424 |
| | 1.9 | 1590 | 709 | 15100 | 0.95 | **TKF** | **78 / TRF38** | **MY 71D4** | 424 |
| | 2.2 | 1400 | 622 | 16400 | 1.10 | **TKA** | **78 / TRF38** | **MY 71D4** | 424 |
| | 2.5 | 1250 | 552 | 17200 | 1.25 | **TKAF** | **78 / TRF38** | **MY 71D4** | 424 |
| | 2.9 | 1100 | 485 | 17900 | 1.40 | | | | |
| | 3.2 | 970 | 428 | 18400 | 1.60 | | | | |
| | 3.8 | 840 | 367 | 18900 | 1.85 | | | | |
| | 4.2 | 750 | 328 | 19100 | 2.1 | | | | |
| | 4.8 | 665 | 290 | 19400 | 2.3 | | | | |
| | 5.5 | 570 | 252 | 19600 | 2.7 | | | | |
| | 6.2 | 500 | 221 | 19700 | 3.1 | | | | |
| | 7.1 | 445 | 195 | 19800 | 3.5 | | | | |
| | 7.9 | 390 | 175 | 19900 | 4.0 | | | | |
| | 9.0 | 345 | 154 | 19900 | 4.5 | | | | |
| | 3.3 | 950 | 420 | 8130 | 0.85 | **TK** | **68 / TRF38** | **MY 71D4** | 424 |
| | 3.8 | 840 | 361 | 10200 | 1.00 | **TKF** | **68 / TRF38** | **MY 71D4** | 424 |
| | 4.3 | 745 | 323 | 10900 | 1.10 | **TKA** | **68 / TRF38** | **MY 71D4** | 424 |
| | 5.0 | 630 | 279 | 11700 | 1.30 | **TKAF** | **68 / TRF38** | **MY 71D4** | 424 |
| | 5.6 | 555 | 246 | 12100 | 1.50 | | | | |
| | 6.4 | 495 | 217 | 12400 | 1.65 | | | | |
| | 7.2 | 435 | 191 | 12700 | 1.90 | | | | |
| | 8.3 | 375 | 166 | 12900 | 2.2 | | | | |
| | 9.6 | 330 | 144 | 13000 | 2.5 | | | | |
| | 11 | 280 | 122 | 13000 | 2.9 | | | | |
| | 4.9 | 635 | 280 | 7350 | 0.95 | **TK** | **58 / TRF38** | **MY 71D4** | 424 |
| | 5.6 | 555 | 246 | 7980 | 1.10 | **TKF** | **58 / TRF38** | **MY 71D4** | 424 |
| | 6.4 | 490 | 215 | 8460 | 1.20 | **TKA** | **58 / TRF38** | **MY 71D4** | 424 |
| | 7.2 | 435 | 192 | 8720 | 1.40 | **TKAF** | **58 / TRF38** | **MY 71D4** | 424 |
| | 8.3 | 380 | 166 | 8980 | 1.60 | | | | |
| | 9.6 | 330 | 145 | 9170 | 1.80 | | | | |
| | 11 | 300 | 129 | 9290 | 2.0 | | | | |
| | 12 | 255 | 111 | 9460 | 2.4 | | | | |
| | 14 | 225 | 97 | 9560 | 2.7 | | | | |
| | 3.9 | 910 | 174.19 | 28800 | 3.0 | **TK** | **88** | **MY 90S8** | 400 |
| | 4.1 | 850 | 164.34* | 28900 | 3.2 | **TKF** | **88** | **MY 90S8** | 401 |
| | 4.6 | 765 | 147.32* | 28900 | 3.5 | **TKA** | **88** | **MY 90S8** | 402 |
| | | | | | | **TKAF** | **88** | **MY 90S8** | 401 |
| | 4.6 | 775 | 197.37 | 28900 | 3.5 | **TK** | **88** | **MY 80K6** | 400 |
| | 5.2 | 685 | 174.19 | 28900 | 4.0 | **TKF** | **88** | **MY 80K6** | 401 |
| | | | | | | **TKA** | **88** | **MY 80K6** | 402 |
| | | | | | | **TKAF** | **88** | **MY 80K6** | 401 |
| | 5.0 | 705 | 135.28 | 19300 | 2.2 | **TK** | **78** | **MY 90S8** | 396 |
| | 5.3 | 670 | 128.52 | 19300 | 2.3 | **TKF** | **78** | **MY 90S8** | 397 |
| | 6.0 | 590 | 113.56 | 19500 | 2.6 | **TKA** | **78** | **MY 90S8** | 398 |
| | 7.0 | 505 | 97.05 | 19700 | 3.1 | **TKAF** | **78** | **MY 90S8** | 397 |
| | 5.8 | 605 | 154.02 | 19500 | 2.6 | **TK** | **78** | **MY 80K6** | 396 |
| | 6.7 | 530 | 135.28 | 19600 | 2.9 | **TKF** | **78** | **MY 80K6** | 397 |
| | 7.0 | 505 | 128.52 | 19700 | 3.1 | **TKA** | **78** | **MY 80K6** | 398 |
| | 7.9 | 445 | 113.56 | 19800 | 3.5 | **TKAF** | **78** | **MY 80K6** | 397 |

| $P_{1n}$ [kW] | $n_2$ [r/min] | $M_{2n}$ [Nm] | i | $Fr_2$ [N] | fs |  |  | Page |
|---|---|---|---|---|---|---|---|---|
| **0.37** | 7.2 | 490 | 192.18 | 19700 | 3.0 | **TK 78** | **MY 71D4** | 396 |
| | 7.7 | 460 | 179.37 | 19800 | 3.2 | **TKF 78** | **MY 71D4** | 397 |
| | 9.0 | 395 | 154.02 | 19900 | 3.9 | **TKA 78** | **MY 71D4** | 398 |
| | | | | | | **TKAF 78** | **MY 71D4** | 397 |
| | 6.3 | 560 | 108.03 | 12100 | 1.45 | **TK 68** | **MY 90S8** | 392 |
| | 6.6 | 535 | 102.62 | 12300 | 1.55 | **TKF 68** | **MY 90S8** | 393 |
| | 7.5 | 470 | 90.04 | 12600 | 1.75 | **TKA 68** | **MY 90S8** | 394 |
| | | | | | | **TKAF 68** | **MY 90S8** | 393 |
| | 7.3 | 485 | 123.54 | 12500 | 1.70 | **TK 68** | **MY 80K6** | 392 |
| | 8.3 | 425 | 108.03 | 12700 | 1.95 | **TKF 68** | **MY 80K6** | 393 |
| | 8.8 | 405 | 102.62 | 12800 | 2.0 | **TKA 68** | **MY 80K6** | 394 |
| | 10 | 355 | 90.04 | 13000 | 2.3 | **TKAF 68** | **MY 80K6** | 393 |
| | 9.5 | 370 | 144.79* | 12900 | 2.2 | **TK 68** | **MY 71D4** | 392 |
| | 11 | 315 | 123.54 | 13000 | 2.6 | **TKF 68** | **MY 71D4** | 393 |
| | 13 | 275 | 108.03 | 13000 | 3.0 | **TKA 68** | **MY 71D4** | 394 |
| | 15 | 230 | 90.04 | 13000 | 3.6 | **TKAF 68** | **MY 71D4** | 393 |
| | 18 | 196 | 76.37 | 13000 | 4.2 | | | |
| | 7.3 | 485 | 123.85 | 8490 | 1.25 | **TK 58** | **MY 80K6** | 388 |
| | 8.3 | 425 | 108.29 | 8770 | 1.40 | **TKF 58** | **MY 80K6** | 389 |
| | 8.8 | 405 | 102.88* | 8870 | 1.50 | **TKA 58** | **MY 80K6** | 390 |
| | 10 | 355 | 90.26* | 9070 | 1.70 | **TKAF 58** | **MY 80K6** | 389 |
| | 12 | 300 | 76.56* | 9280 | 2.0 | | | |
| | 13 | 270 | 69.12 | 9390 | 2.2 | | | |
| | 9.5 | 370 | 145.14* | 9000 | 1.60 | **TK 58** | **MY 71D4** | 388 |
| | 11 | 315 | 123.85 | 9220 | 1.90 | **TKF 58** | **MY 71D4** | 389 |
| | 13 | 275 | 108.29 | 9370 | 2.2 | **TKA 58** | **MY 71D4** | 390 |
| | 13 | 265 | 102.88* | 9420 | 2.3 | **TKAF 58** | **MY 71D4** | 389 |
| | 15 | 230 | 90.26* | 9530 | 2.6 | | | |
| | 18 | 196 | 76.56* | 9650 | 3.1 | | | |
| | 20 | 177 | 69.12 | 9700 | 3.4 | | | |
| | 8.6 | 410 | 104.37 | 5490 | 1.00 | **TK 48** | **MY 80K6** | 384 |
| | 9.9 | 355 | 90.86 | 6480 | 1.10 | **TKF 48** | **MY 80K6** | 385 |
| | 11 | 335 | 85.12* | 6730 | 1.20 | **TKA 48** | **MY 80K6** | 386 |
| | 12 | 295 | 75.20* | 7100 | 1.35 | **TKAF 48** | **MY 80K6** | 385 |
| | 10 | 340 | 131.87* | 6690 | 1.20 | **TK 48** | **MY 71D4** | 384 |
| | 11 | 310 | 121.48* | 6960 | 1.30 | **TKF 48** | **MY 71D4** | 385 |
| | 13 | 265 | 104.37 | 7330 | 1.50 | **TKA 48** | **MY 71D4** | 386 |
| | | | | | | **TKAF 48** | **MY 71D4** | 385 |
| | 15 | 235 | 90.86 | 7580 | 1.70 | **TK 48** | **MY 71D4** | 384 |
| | 16 | 220 | 85.12* | 7670 | 1.85 | **TKF 48** | **MY 71D4** | 385 |
| | 18 | 193 | 75.20* | 7810 | 2.1 | **TKA 48** | **MY 71D4** | 386 |
| | 20 | 179 | 69.84 | 7880 | 2.2 | **TKAF 48** | **MY 71D4** | 385 |
| | 22 | 162 | 63.30* | 7960 | 2.5 | | | |
| | 14 | 250 | 97.81 | 2520 | 0.80 | **TK 38** | **MY 71D4** | 380 |
| | 16 | 215 | 83.69 | 5470 | 0.95 | **TKF 38** | **MY 71D4** | 381 |
| | 19 | 186 | 72.54 | 5690 | 1.10 | **TKA 38** | **MY 71D4** | 382 |
| | 20 | 174 | 67.80 | 5630 | 1.15 | **TKAF 38** | **MY 71D4** | 381 |
| | 24 | 150 | 58.60 | 5510 | 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 | | | |
| | 55 | 64 | 24.99 | 4590 | 3.1 | | | |
| | 59 | 60 | 23.36 | 4510 | 3.3 | | | |
| | 68 | 52 | 20.19 | 4350 | 3.6 | **TK 38** | **MY 71D4** | 380 |
| | 80 | 44 | 17.15 | 4160 | 4.1 | **TKF 38** | **MY 71D4** | 381 |
| | 90 | 39 | 15.31 | 4040 | 4.5 | **TKA 38** | **MY 71D4** | 382 |
| | 105 | 34 | 13.08 | 3860 | 4.9 | **TKAF 38** | **MY 71D4** | 381 |
| | 114 | 31 | 12.14 | 3780 | 5.1 | | | |
| | 132 | 27 | 10.49 | 3630 | 6.0 | | | |

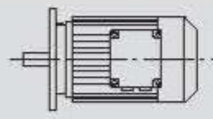
| $P_{1n}$ [kW] | $n_2$ [r/min] | $M_{2n}$ [Nm] | i | $Fr_2$ [N] | fs | | | Page |
|---|---|---|---|---|---|---|---|---|
| **0.37** | 155 | 23 | 8.91 | 3460 | 7.0 | **TK** | **38** | **MY 71D4** | 380 |
| | 173 | 20 | 7.96 | 3350 | 7.6 | **TKF** | **38** | **MY 71D4** | 381 |
| | 203 | 17 | 6.80 | 3190 | 8.6 | **TKA** | **38** | **MY 71D4** | 382 |
| | 217 | 16 | 6.37 | 3130 | 8.9 | **TKAF** | **38** | **MY 71D4** | 381 |
| | 257 | 14 | 5.36 | 2970 | 10 | | | | |
| **0.55** | 0.08 | 55000 | 16978 | 190000 | 0.90 | **TK** | **188 / TRF98** | **MY 80K4** | 424 |
| | 0.10 | 46200 | 14272 | 190000 | 1.10 | **TKH** | **188 / TRF98** | **MY 80K4** | 424 |
| | 0.10 | 42000 | 13116 | 190000 | 1.20 | | | | |
| | 0.12 | 36700 | 11647 | 190000 | 1.35 | | | | |
| | 0.19 | 23800 | 7343 | 190000 | 2.1 | | | | |
| | 0.12 | 37500 | 11573 | 150000 | 0.85 | **TK** | **168 / TRF98** | **MY 80K4** | 424 |
| | 0.13 | 33300 | 10264 | 150000 | 0.95 | **TKH** | **168 / TRF98** | **MY 80K4** | 424 |
| | 0.16 | 27900 | 8628 | 150000 | 1.15 | | | | |
| | 0.21 | 21200 | 6562 | 150000 | 1.50 | | | | |
| | 0.25 | 16900 | 5355 | 150000 | 1.90 | | | | |
| | 0.33 | 13100 | 4079 | 150000 | 2.5 | | | | |
| | 0.20 | 22300 | 6881 | 109700 | 0.80 | **TK** | **158 / TRF98** | **MY 80K4** | 424 |
| | 0.23 | 19200 | 5931 | 111600 | 0.95 | **TKF** | **158 / TRF98** | **MY 80K4** | 424 |
| | 0.34 | 12900 | 3979 | 114400 | 1.40 | **TKA** | **158 / TRF98** | **MY 80K4** | 424 |
| | 0.45 | 9880 | 3051 | 115300 | 1.80 | **TKAF** | **158 / TRF98** | **MY 80K4** | 424 |
| | 0.31 | 14900 | 4423 | 76100 | 0.85 | **TK** | **128 / TRF78** | **MY 80K4** | 424 |
| | 0.35 | 13100 | 3889 | 79100 | 1.00 | **TKF** | **128 / TRF78** | **MY 80K4** | 424 |
| | 0.41 | 11100 | 3311 | 80200 | 1.20 | **TKA** | **128 / TRF78** | **MY 80K4** | 424 |
| | 0.45 | 10000 | 3009 | 80700 | 1.30 | **TKAF** | **128 / TRF78** | **MY 80K4** | 424 |
| | 0.52 | 8590 | 2607 | 81200 | 1.50 | | | | |
| | 0.71 | 6620 | 1926 | 81900 | 1.95 | **TK** | **128 / TRF78** | **MY 80K4** | 424 |
| | 0.77 | 6040 | 1757 | 82100 | 2.2 | **TKF** | **128 / TRF78** | **MY 80K4** | 424 |
| | 0.88 | 5270 | 1541 | 82200 | 2.5 | **TKA** | **128 / TRF78** | **MY 80K4** | 424 |
| | 1.0 | 4610 | 1342 | 82400 | 2.8 | **TKAF** | **128 / TRF78** | **MY 80K4** | 424 |
| | 1.2 | 4020 | 1177 | 82500 | 3.2 | | | | |
| | 1.3 | 3520 | 1025 | 82600 | 3.7 | | | | |
| | 0.46 | 10100 | 2977 | 65000 | 0.80 | **TK** | **108 / TRF78** | **MY 80K4** | 424 |
| | 0.52 | 8830 | 2599 | 65000 | 0.90 | **TKF** | **108 / TRF78** | **MY 80K4** | 424 |
| | 0.59 | 7720 | 2286 | 65000 | 1.05 | **TKA** | **108 / TRF78** | **MY 80K4** | 424 |
| | 0.70 | 6540 | 1939 | 65000 | 1.20 | **TKAF** | **108 / TRF78** | **MY 80K4** | 424 |
| | 0.79 | 5920 | 1713 | 65000 | 1.35 | **TK** | **108 / TRF78** | **MY 80K4** | 424 |
| | 0.87 | 5370 | 1554 | 65000 | 1.50 | **TKF** | **108 / TRF78** | **MY 80K4** | 424 |
| | 1.0 | 4610 | 1336 | 65000 | 1.75 | **TKA** | **108 / TRF78** | **MY 80K4** | 424 |
| | 1.2 | 4030 | 1166 | 65000 | 2.0 | **TKAF** | **108 / TRF78** | **MY 80K4** | 424 |
| | 1.3 | 3460 | 1030 | 65000 | 2.3 | | | | |
| | 1.5 | 3010 | 904 | 65000 | 2.7 | | | | |
| | 1.7 | 2730 | 793 | 65000 | 2.9 | | | | |
| | 1.9 | 2380 | 696 | 65000 | 3.4 | | | | |
| | 2.2 | 2050 | 615 | 65000 | 3.9 | | | | |
| | 0.95 | 4940 | 1430 | 40000 | 0.85 | **TK** | **98 / TRF58** | **MY 80K4** | 424 |
| | 1.1 | 4440 | 1261 | 40000 | 0.95 | **TKF** | **98 / TRF58** | **MY 80K4** | 424 |
| | 1.2 | 3870 | 1102 | 40000 | 1.10 | **TKA** | **98 / TRF58** | **MY 80K4** | 424 |
| | 1.4 | 3400 | 957 | 40000 | 1.25 | **TKAF** | **98 / TRF58** | **MY 80K4** | 424 |
| | 1.6 | 3040 | 855 | 40000 | 1.40 | | | | |
| | 1.8 | 2550 | 743 | 40000 | 1.70 | | | | |
| | 2.1 | 2250 | 652 | 40000 | 1.90 | **TK** | **98 / TRF58** | **MY 80K4** | 424 |
| | 2.4 | 2020 | 573 | 40000 | 2.1 | **TKF** | **98 / TRF58** | **MY 80K4** | 424 |
| | 2.7 | 1720 | 504 | 40000 | 2.5 | **TKA** | **98 / TRF58** | **MY 80K4** | 424 |
| | 3.1 | 1480 | 437 | 40000 | 2.9 | **TKAF** | **98 / TRF58** | **MY 80K4** | 424 |
| | 3.6 | 1320 | 382 | 40000 | 3.3 | | | | |
| | 4.5 | 1070 | 305 | 40000 | 4.0 | | | | |
| | 1.4 | 3300 | 951 | 26400 | 0.80 | **TK** | **88 / TRF58** | **MY 80K4** | 424 |
| | 1.6 | 2890 | 837 | 27000 | 0.95 | **TKF** | **88 / TRF58** | **MY 80K4** | 424 |
| | 1.9 | 2510 | 726 | 27500 | 1.10 | **TKA** | **88 / TRF58** | **MY 80K4** | 424 |
| | 2.1 | 2220 | 638 | 27800 | 1.20 | **TKAF** | **88 / TRF58** | **MY 80K4** | 424 |
| | 2.4 | 1940 | 562 | 28100 | 1.40 | | | | |
| | 2.9 | 1640 | 474 | 28400 | 1.65 | | | | |

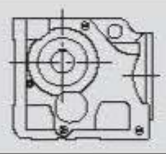
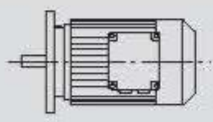
| $P_{1n}$ [kW] | $n_2$ [r/min] | $M_{2n}$ [Nm] | i | $Fr_2$ [N] | fs |  |  | Page |
|---|---|---|---|---|---|---|---|---|
| **0.55** | 3.2 | 1470 | 426 | 28500 | 1.85 | **TK** | **88 / TRF58** | **MY 80K4** | 424 |
| | 3.6 | 1290 | 373 | 28600 | 2.1 | **TKF** | **88 / TRF58** | **MY 80K4** | 424 |
| | 4.1 | 1130 | 330 | 28700 | 2.4 | **TKA** | **88 / TRF58** | **MY 80K4** | 424 |
| | 4.6 | 1010 | 294 | 28800 | 2.7 | **TKAF** | **88 / TRF58** | **MY 80K4** | 424 |
| | 5.4 | 870 | 250 | 28800 | 3.1 | | | | |
| | 5.8 | 820 | 236 | 28900 | 3.3 | | | | |
| | 6.8 | 695 | 201 | 28900 | 3.9 | | | | |
| | 2.8 | 1690 | 485 | 14300 | 0.90 | **TK** | **78 / TRF38** | **MY 80K4** | 424 |
| | 3.2 | 1490 | 428 | 15800 | 1.05 | **TKF** | **78 / TRF38** | **MY 80K4** | 424 |
| | 3.7 | 1290 | 367 | 17000 | 1.20 | **TKA** | **78 / TRF38** | **MY 80K4** | 424 |
| | 4.2 | 1150 | 328 | 17700 | 1.35 | **TKAF** | **78 / TRF38** | **MY 80K4** | 424 |
| | 4.7 | 1020 | 290 | 18200 | 1.50 | | | | |
| | 5.4 | 880 | 252 | 18700 | 1.75 | | | | |
| | 6.2 | 770 | 221 | 19100 | 2.0 | | | | |
| | 7.0 | 680 | 195 | 19300 | 2.3 | | | | |
| | 7.8 | 605 | 175 | 19500 | 2.6 | | | | |
| | 8.8 | 535 | 154 | 19600 | 2.9 | | | | |
| | 4.9 | 970 | 279 | 6400 | 0.85 | **TK** | **68 / TRF38** | **MY 80K4** | 424 |
| | 5.5 | 850 | 246 | 9990 | 0.95 | **TKF** | **68 / TRF38** | **MY 80K4** | 424 |
| | 6.2 | 760 | 217 | 10800 | 1.10 | **TKA** | **68 / TRF38** | **MY 80K4** | 424 |
| | 7.1 | 670 | 191 | 11500 | 1.25 | **TKAF** | **68 / TRF38** | **MY 80K4** | 424 |
| | 8.2 | 575 | 166 | 12000 | 1.40 | | | | |
| | 9.4 | 505 | 144 | 12400 | 1.60 | | | | |
| | 11 | 430 | 122 | 12700 | 1.90 | | | | |
| | 7.1 | 670 | 192 | 4080 | 0.90 | **TK** | **58 / TRF38** | **MY 80K4** | 424 |
| | 8.2 | 580 | 166 | 7800 | 1.05 | **TKF** | **58 / TRF38** | **MY 80K4** | 424 |
| | 9.4 | 510 | 145 | 8360 | 1.20 | **TKA** | **58 / TRF38** | **MY 80K4** | 424 |
| | 11 | 455 | 129 | 8630 | 1.30 | **TKAF** | **58 / TRF38** | **MY 80K4** | 424 |
| | 12 | 390 | 111 | 8930 | 1.55 | | | | |
| | 14 | 340 | 97 | 9120 | 1.75 | | | | |
| | 3.9 | 1350 | 174.19 | 28600 | 2.0 | **TK** | **88** | **MY 90L8** | 400 |
| | 4.1 | 1270 | 164.34* | 28600 | 2.1 | **TKF** | **88** | **MY 90L8** | 401 |
| | 4.6 | 1140 | 147.32* | 28700 | 2.4 | **TKA** | **88** | **MY 90L8** | 402 |
| | | | | | | **TKAF** | **88** | **MY 90L8** | 401 |
| | 4.6 | 1150 | 197.37 | 28700 | 2.3 | **TK** | **88** | **MY 80N6** | 400 |
| | 5.2 | 1020 | 174.19 | 28800 | 2.7 | **TKF** | **88** | **MY 80N6** | 401 |
| | 5.5 | 960 | 164.34* | 28800 | 2.8 | **TKA** | **88** | **MY 80N6** | 402 |
| | 6.1 | 860 | 147.32* | 28900 | 3.1 | **TKAF** | **88** | **MY 80N6** | 401 |
| | 5.0 | 1040 | 135.28 | 18100 | 1.50 | **TK** | **78** | **MY 90L8** | 396 |
| | 5.3 | 990 | 128.52 | 18300 | 1.55 | **TKF** | **78** | **MY 90L8** | 397 |
| | 6.0 | 880 | 113.56 | 18700 | 1.75 | **TKA** | **78** | **MY 90L8** | 398 |
| | 7.0 | 750 | 97.05 | 19100 | 2.1 | **TKAF** | **78** | **MY 90L8** | 397 |
| | 5.8 | 900 | 154.02 | 18700 | 1.70 | **TK** | **78** | **MY 80N6** | 396 |
| | 6.7 | 790 | 135.28 | 19000 | 1.95 | **TKF** | **78** | **MY 80N6** | 397 |
| | 7.0 | 750 | 128.52 | 19100 | 2.1 | **TKA** | **78** | **MY 80N6** | 398 |
| | 7.9 | 665 | 113.56 | 19400 | 2.3 | **TKAF** | **78** | **MY 80N6** | 397 |
| | 8.8 | 595 | 154.02 | 19500 | 2.6 | **TK** | **78** | **MY 80K4** | 396 |
| | 10 | 520 | 135.28 | 19700 | 3.0 | **TKF** | **78** | **MY 80K4** | 397 |
| | 11 | 495 | 128.52 | 19700 | 3.1 | **TKA** | **78** | **MY 80K4** | 398 |
| | 12 | 440 | 113.56 | 19800 | 3.5 | **TKAF** | **78** | **MY 80K4** | 397 |
| | 14 | 375 | 97.05 | 19900 | 4.1 | | | | |
| | 7.3 | 720 | 123.54 | 11100 | 1.15 | **TK** | **68** | **MY 80N6** | 392 |
| | 8.3 | 630 | 108.03 | 11700 | 1.30 | **TKF** | **68** | **MY 80N6** | 393 |
| | 8.8 | 600 | 102.62 | 11900 | 1.35 | **TKA** | **68** | **MY 80N6** | 394 |
| | 10 | 525 | 90.04 | 12300 | 1.55 | **TKAF** | **68** | **MY 80N6** | 393 |
| | 12 | 445 | 76.37 | 12600 | 1.85 | | | | |
| | 11 | 475 | 123.54 | 12500 | 1.70 | **TK** | **68** | **MY 80K4** | 392 |
| | 13 | 415 | 108.03 | 12800 | 1.95 | **TKF** | **68** | **MY 80K4** | 393 |
| | 15 | 350 | 90.04 | 13000 | 2.4 | **TKA** | **68** | **MY 80K4** | 394 |
| | 18 | 295 | 76.37 | 13000 | 2.8 | **TKAF** | **68** | **MY 80K4** | 393 |

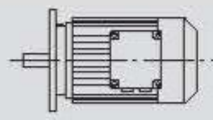
| $P_{1n}$ [kW] | $n_2$ [r/min] | $M_{2n}$ [Nm] | i | $Fr_2$ [N] | fs | | | | Page |
|---|---|---|---|---|---|---|---|---|---|
| **0.55** | 8.3 | 630 | 108.29 | 7360 | 0.95 | **TK** | **58** | **MY 80N6** | 388 |
| | 8.8 | 600 | 102.88* | 7630 | 1.00 | **TKF** | **58** | **MY 80N6** | 389 |
| | 10 | 525 | 90.26* | 8220 | 1.15 | **TKA** | **58** | **MY 80N6** | 390 |
| | 12 | 445 | 76.56* | 8670 | 1.35 | **TKAF** | **58** | **MY 80N6** | 389 |
| | 13 | 405 | 69.12 | 8870 | 1.50 | | | | |
| | 15 | 355 | 60.81* | 9070 | 1.70 | | | | |
| | 16 | 335 | 57.42* | 9150 | 1.80 | | | | |
| | 11 | 480 | 123.85 | 8520 | 1.25 | **TK** | **58** | **MY 80K4** | 388 |
| | 13 | 420 | 108.29 | 8800 | 1.45 | **TKF** | **58** | **MY 80K4** | 389 |
| | 13 | 395 | 102.88* | 8890 | 1.50 | **TKA** | **58** | **MY 80K4** | 390 |
| | 15 | 350 | 90.26* | 9100 | 1.70 | **TKAF** | **58** | **MY 80K4** | 389 |
| | 18 | 295 | 76.56* | 9300 | 2.0 | | | | |
| | 20 | 265 | 69.12 | 9410 | 2.3 | | | | |
| | 22 | 235 | 60.81* | 9520 | 2.6 | | | | |
| | 24 | 220 | 57.42* | 9560 | 2.7 | | | | |
| | 13 | 405 | 104.37 | 5880 | 1.00 | **TK** | **48** | **MY 80K4** | 384 |
| | 15 | 350 | 90.86 | 6550 | 1.15 | **TKF** | **48** | **MY 80K4** | 385 |
| | 16 | 330 | 85.12* | 6790 | 1.20 | **TKA** | **48** | **MY 80K4** | 386 |
| | 18 | 290 | 75.20* | 7150 | 1.40 | **TKAF** | **48** | **MY 80K4** | 385 |
| | 19 | 270 | 69.84 | 7310 | 1.50 | | | | |
| | 21 | 245 | 63.30* | 7500 | 1.65 | **TK** | **48** | **MY 80K4** | 384 |
| | 24 | 220 | 56.83 | 7660 | 1.80 | **TKF** | **48** | **MY 80K4** | 385 |
| | 28 | 189 | 48.95* | 7830 | 2.1 | **TKA** | **48** | **MY 80K4** | 386 |
| | 30 | 178 | 46.03* | 7880 | 2.3 | **TKAF** | **48** | **MY 80K4** | 385 |
| | 23 | 225 | 58.60 | 4850 | 0.90 | **TK** | **38** | **MY 80K4** | 380 |
| | 27 | 192 | 49.79 | 4790 | 1.05 | **TKF** | **38** | **MY 80K4** | 381 |
| | 31 | 172 | 44.46 | 4740 | 1.15 | **TKA** | **38** | **MY 80K4** | 382 |
| | 36 | 147 | 37.97 | 4640 | 1.35 | **TKAF** | **38** | **MY 80K4** | 381 |
| | 38 | 137 | 35.57 | 4600 | 1.45 | | | | |
| | 45 | 116 | 29.96 | 4470 | 1.75 | | | | |
| | 47 | 111 | 28.83 | 4440 | 1.80 | | | | |
| | 54 | 97 | 24.99 | 4320 | 2.1 | | | | |
| | 58 | 90 | 23.36 | 4260 | 2.2 | | | | |
| | 67 | 78 | 20.19 | 4130 | 2.4 | | | | |
| | 79 | 66 | 17.15 | 3980 | 2.7 | | | | |
| | 89 | 59 | 15.31 | 3880 | 3.0 | | | | |
| | 104 | 51 | 13.08 | 3730 | 3.3 | | | | |
| | 112 | 47 | 12.14 | 3660 | 3.4 | | | | |
| | 130 | 41 | 10.49 | 3520 | 4.0 | **TK** | **38** | **MY 80K4** | 380 |
| | 153 | 34 | 8.91 | 3370 | 4.7 | **TKF** | **38** | **MY 80K4** | 381 |
| | 171 | 31 | 7.96 | 3270 | 5.1 | **TKA** | **38** | **MY 80K4** | 382 |
| | 200 | 26 | 6.80 | 3130 | 5.7 | **TKAF** | **38** | **MY 80K4** | 381 |
| | 214 | 25 | 6.37 | 3070 | 5.9 | | | | |
| | 254 | 21 | 5.36 | 2920 | 6.8 | | | | |
| | 342 | 15 | 3.98 | 2680 | 8.1 | | | | |
| **0.75** | 0.11 | 58000 | 13116 | 190000 | 0.85 | **TK** | **188 / TRF98** | **MY 80N4** | 424 |
| | 0.12 | 50900 | 11647 | 190000 | 1.00 | **TKH** | **188 / TRF98** | **MY 80N4** | 424 |
| | 0.19 | 32700 | 7343 | 190000 | 1.55 | | | | |
| | 0.20 | 29900 | 6747 | 190000 | 1.65 | | | | |
| | 0.23 | 26200 | 5991 | 190000 | 1.90 | | | | |
| | 0.16 | 38500 | 8628 | 150000 | 0.85 | **TK** | **168 / TRF98** | **MY 80N4** | 424 |
| | 0.21 | 29300 | 6562 | 150000 | 1.10 | **TKH** | **168 / TRF98** | **MY 80N4** | 424 |
| | 0.26 | 23400 | 5355 | 150000 | 1.35 | | | | |
| | 0.34 | 18100 | 4079 | 150000 | 1.75 | | | | |
| | 0.41 | 15100 | 3376 | 150000 | 2.1 | | | | |
| | 0.35 | 17700 | 3979 | 112300 | 1.00 | **TK** | **158 / TRF98** | **MY 80N4** | 424 |
| | 0.45 | 13600 | 3051 | 114100 | 1.30 | **TKF** | **158 / TRF98** | **MY 80N4** | 424 |
| | | | | | | **TKA** | **158 / TRF98** | **MY 80N4** | 424 |
| | | | | | | **TKAF** | **158 / TRF98** | **MY 80N4** | 424 |
| | 0.83 | 7490 | 1659 | 115900 | 2.4 | **TK** | **158 / TRF98** | **MY 80N4** | 424 |
| | 1.0 | 6040 | 1365 | 116200 | 3.0 | **TKF** | **158 / TRF98** | **MY 80N4** | 424 |
| | | | | | | **TKA** | **158 / TRF98** | **MY 80N4** | 424 |
| | | | | | | **TKAF** | **158 / TRF98** | **MY 80N4** | 424 |

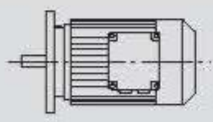
| $P_{1n}$ [kW] | $n_2$ [r/min] | $M_{2n}$ [Nm] | i | $Fr_2$ [N] | fs | | | | Page |
|---|---|---|---|---|---|---|---|---|---|
| **0.75** | 0.42 | 15100 | 3311 | 75700 | 0.85 | **TK** | **128 / TRF78** | **MY 80N4** | 424 |
| | 0.46 | 13700 | 3009 | 78600 | 0.95 | **TKF** | **128 / TRF78** | **MY 80N4** | 424 |
| | 0.53 | 11800 | 2607 | 79800 | 1.10 | **TKA** | **128 / TRF78** | **MY 80N4** | 424 |
| | | | | | | **TKAF** | **128 / TRF78** | **MY 80N4** | 424 |
| | 0.72 | 9010 | 1926 | 81100 | 1.45 | **TK** | **128 / TRF78** | **MY 80N4** | 424 |
| | 0.79 | 8220 | 1757 | 81400 | 1.60 | **TKF** | **128 / TRF78** | **MY 80N4** | 424 |
| | 0.90 | 7180 | 1541 | 81700 | 1.80 | **TKA** | **128 / TRF78** | **MY 80N4** | 424 |
| | 1.0 | 6280 | 1342 | 82000 | 2.1 | **TKAF** | **128 / TRF78** | **MY 80N4** | 424 |
| | 1.2 | 5480 | 1177 | 82200 | 2.4 | | | | |
| | 1.4 | 4790 | 1025 | 82300 | 2.7 | | | | |
| | 1.5 | 4190 | 899 | 82500 | 3.1 | | | | |
| | 0.81 | 8040 | 1713 | 65000 | 1.00 | **TK** | **108 / TRF78** | **MY 80N4** | 424 |
| | 0.89 | 7300 | 1554 | 65000 | 1.10 | **TKF** | **108 / TRF78** | **MY 80N4** | 424 |
| | 1.0 | 6270 | 1336 | 65000 | 1.30 | **TKA** | **108 / TRF78** | **MY 80N4** | 424 |
| | 1.2 | 5470 | 1166 | 65000 | 1.45 | **TKAF** | **108 / TRF78** | **MY 80N4** | 424 |
| | 1.3 | 4740 | 1030 | 65000 | 1.70 | | | | |
| | 1.5 | 4130 | 904 | 65000 | 1.95 | | | | |
| | 1.7 | 3710 | 793 | 65000 | 2.2 | | | | |
| | 2.0 | 3240 | 696 | 65000 | 2.5 | | | | |
| | 2.2 | 2810 | 615 | 65000 | 2.8 | | | | |
| | 1.2 | 5240 | 1102 | 39600 | 0.80 | **TK** | **98 / TRF58** | **MY 80N4** | 424 |
| | 1.4 | 4600 | 957 | 40000 | 0.95 | **TKF** | **98 / TRF58** | **MY 80N4** | 424 |
| | 1.6 | 4110 | 855 | 40000 | 1.05 | **TKA** | **98 / TRF58** | **MY 80N4** | 424 |
| | 1.9 | 3470 | 743 | 40000 | 1.25 | **TKAF** | **98 / TRF58** | **MY 80N4** | 424 |
| | 2.1 | 3050 | 652 | 40000 | 1.40 | | | | |
| | 2.4 | 2740 | 573 | 40000 | 1.55 | | | | |
| | 2.7 | 2350 | 504 | 40000 | 1.85 | | | | |
| | 3.2 | 2020 | 437 | 40000 | 2.1 | | | | |
| | 3.6 | 1790 | 382 | 40000 | 2.4 | | | | |
| | 4.5 | 1450 | 305 | 40000 | 3.0 | **TK** | **98 / TRF58** | **MY 80N4** | 424 |
| | 5.4 | 1220 | 258 | 40000 | 3.5 | **TKF** | **98 / TRF58** | **MY 80N4** | 424 |
| | 6.0 | 1100 | 232 | 40000 | 3.9 | **TKA** | **98 / TRF58** | **MY 80N4** | 424 |
| | 6.9 | 940 | 199 | 40000 | 4.6 | **TKAF** | **98 / TRF58** | **MY 80N4** | 424 |
| | 1.9 | 3410 | 726 | 26300 | 0.80 | **TK** | **88 / TRF58** | **MY 80N4** | 424 |
| | 2.2 | 3010 | 638 | 26900 | 0.90 | **TKF** | **88 / TRF58** | **MY 80N4** | 424 |
| | 2.5 | 2640 | 562 | 27400 | 1.00 | **TKA** | **88 / TRF58** | **MY 80N4** | 424 |
| | 2.9 | 2220 | 474 | 27800 | 1.20 | **TKAF** | **88 / TRF58** | **MY 80N4** | 424 |
| | 3.2 | 2000 | 426 | 28100 | 1.35 | | | | |
| | 3.7 | 1760 | 373 | 28300 | 1.55 | | | | |
| | 4.2 | 1540 | 330 | 28400 | 1.75 | | | | |
| | 4.7 | 1370 | 294 | 28600 | 1.95 | | | | |
| | 5.5 | 1190 | 250 | 28700 | 2.3 | | | | |
| | 5.8 | 1120 | 236 | 28700 | 2.4 | | | | |
| | 6.9 | 950 | 201 | 28800 | 2.9 | | | | |
| | 3.8 | 1740 | 367 | 13900 | 0.90 | **TK** | **78 / TRF38** | **MY 80N4** | 424 |
| | 4.2 | 1550 | 328 | 15400 | 1.00 | **TKF** | **78 / TRF38** | **MY 80N4** | 424 |
| | 4.8 | 1380 | 290 | 16500 | 1.15 | **TKA** | **78 / TRF38** | **MY 80N4** | 424 |
| | 5.5 | 1190 | 252 | 17500 | 1.30 | **TKAF** | **78 / TRF38** | **MY 80N4** | 424 |
| | 6.2 | 1040 | 221 | 18100 | 1.50 | | | | |
| | 3.9 | 1830 | 176.05* | 40000 | 2.4 | **TK** | **98** | **MY 100M8** | 404 |
| | 4.5 | 1590 | 153.21* | 40000 | 2.7 | **TKF** | **98** | **MY 100M8** | 405 |
| | 4.9 | 1460 | 140.28 | 40000 | 3.0 | **TKA** | **98** | **MY 100M8** | 406 |
| | | | | | | **TKAF** | **98** | **MY 100M8** | 405 |
| | 4.7 | 1530 | 147.32* | 28500 | 1.75 | **TK** | **88** | **MY 100M8** | 400 |
| | 5.4 | 1320 | 126.91* | 28600 | 2.1 | **TKF** | **88** | **MY 100M8** | 401 |
| | 6.0 | 1200 | 115.82 | 28700 | 2.3 | **TKA** | **88** | **MY 100M8** | 402 |
| | 6.7 | 1070 | 102.71* | 28700 | 2.5 | **TKAF** | **88** | **MY 100M8** | 401 |
| | 5.2 | 1390 | 174.19 | 28600 | 1.95 | **TK** | **88** | **MY 90S6** | 400 |
| | 5.5 | 1310 | 164.34* | 28600 | 2.1 | **TKF** | **88** | **MY 90S6** | 401 |
| | 6.1 | 1170 | 147.32* | 28700 | 2.3 | **TKA** | **88** | **MY 90S6** | 402 |
| | 7.1 | 1010 | 126.91* | 28800 | 2.7 | **TKAF** | **88** | **MY 90S6** | 401 |

| $P_{1n}$ [kW] | $n_2$ [r/min] | $M_{2n}$ [Nm] | i | $Fr_2$ [N] | fs | | | | Page |
|---|---|---|---|---|---|---|---|---|---|
| **0.75** | 7.0 | 1020 | 197.37 | 28800 | 2.6 | **TK** | **88** | **MY 80N4** | 400 |
| | 7.9 | 900 | 174.19 | 28800 | 3.0 | **TKF** | **88** | **MY 80N4** | 401 |
| | 8.4 | 850 | 164.34* | 28900 | 3.2 | **TKA** | **88** | **MY 80N4** | 402 |
| | 9.4 | 765 | 147.32* | 28900 | 3.5 | **TKAF** | **88** | **MY 80N4** | 401 |
| | 6.7 | 1080 | 135.28 | 18000 | 1.45 | **TK** | **78** | **MY 90S6** | 396 |
| | 7.0 | 1020 | 128.52 | 18200 | 1.50 | **TKF** | **78** | **MY 90S6** | 397 |
| | 7.9 | 900 | 113.56 | 18700 | 1.70 | **TKA** | **78** | **MY 90S6** | 398 |
| | 9.3 | 770 | 97.05 | 19100 | 2.0 | **TKAF** | **78** | **MY 90S6** | 397 |
| | 10 | 710 | 88.97 | 19200 | 2.2 | | | | |
| | 9.0 | 800 | 154.02 | 19000 | 1.95 | **TK** | **78** | **MY 80N4** | 396 |
| | 10 | 700 | 135.28 | 19300 | 2.2 | **TKF** | **78** | **MY 80N4** | 397 |
| | 11 | 665 | 128.52 | 19300 | 2.3 | **TKA** | **78** | **MY 80N4** | 398 |
| | 12 | 590 | 113.56 | 19500 | 2.6 | **TKAF** | **78** | **MY 80N4** | 397 |
| | 14 | 505 | 97.05 | 19700 | 3.1 | | | | |
| | 11 | 640 | 123.54 | 11700 | 1.30 | **TK** | **68** | **MY 80N4** | 392 |
| | 13 | 560 | 108.03 | 12100 | 1.45 | **TKF** | **68** | **MY 80N4** | 393 |
| | 15 | 465 | 90.04 | 12600 | 1.75 | **TKA** | **68** | **MY 80N4** | 394 |
| | | | | | | **TKAF** | **68** | **MY 80N4** | 393 |
| | 18 | 395 | 76.37 | 12800 | 2.1 | **TK** | **68** | **MY 80N4** | 392 |
| | 20 | 360 | 68.95 | 13000 | 2.3 | **TKF** | **68** | **MY 80N4** | 393 |
| | 23 | 315 | 60.66 | 13000 | 2.6 | **TKA** | **68** | **MY 80N4** | 394 |
| | 24 | 295 | 57.28 | 13000 | 2.8 | **TKAF** | **68** | **MY 80N4** | 393 |
| | 11 | 645 | 123.85 | 7130 | 0.95 | **TK** | **58** | **MY 80N4** | 388 |
| | 13 | 560 | 108.29 | 7940 | 1.05 | **TKF** | **58** | **MY 80N4** | 389 |
| | 13 | 535 | 102.88* | 8160 | 1.10 | **TKA** | **58** | **MY 80N4** | 390 |
| | 15 | 470 | 90.26* | 8570 | 1.30 | **TKAF** | **58** | **MY 80N4** | 389 |
| | 18 | 395 | 76.56* | 8890 | 1.50 | | | | |
| | 20 | 360 | 69.12 | 9060 | 1.65 | | | | |
| | 23 | 315 | 60.81* | 9230 | 1.90 | | | | |
| | 24 | 300 | 57.42* | 9290 | 2.0 | | | | |
| | 28 | 255 | 48.89 | 9450 | 2.4 | | | | |
| | 31 | 230 | 44.43 | 9530 | 2.6 | | | | |
| | 18 | 390 | 75.20* | 6060 | 1.00 | **TK** | **48** | **MY 80N4** | 384 |
| | 20 | 365 | 69.84 | 6410 | 1.10 | **TKF** | **48** | **MY 80N4** | 385 |
| | 22 | 330 | 63.30* | 6790 | 1.20 | **TKA** | **48** | **MY 80N4** | 386 |
| | | | | | | **TKAF** | **48** | **MY 80N4** | 385 |
| | 24 | 295 | 56.83 | 7110 | 1.35 | **TK** | **48** | **MY 80N4** | 384 |
| | 28 | 255 | 48.95* | 7430 | 1.55 | **TKF** | **48** | **MY 80N4** | 385 |
| | 30 | 240 | 46.03* | 7540 | 1.65 | **TKA** | **48** | **MY 80N4** | 386 |
| | 35 | 205 | 39.61 | 7740 | 1.95 | **TKAF** | **48** | **MY 80N4** | 385 |
| | 39 | 184 | 35.39 | 7760 | 2.2 | | | | |
| | 44 | 162 | 31.30 | 7550 | 2.5 | | | | |
| | 31 | 230 | 44.46 | 4170 | 0.85 | **TK** | **38** | **MY 80N4** | 380 |
| | 36 | 197 | 37.97 | 4150 | 1.00 | **TKF** | **38** | **MY 80N4** | 381 |
| | 39 | 185 | 35.57 | 4140 | 1.10 | **TKA** | **38** | **MY 80N4** | 382 |
| | 46 | 156 | 29.96 | 4080 | 1.30 | **TKAF** | **38** | **MY 80N4** | 381 |
| | 48 | 150 | 28.83 | 4060 | 1.35 | | | | |
| | 55 | 130 | 24.99 | 3990 | 1.55 | | | | |
| | 59 | 121 | 23.36 | 3950 | 1.60 | | | | |
| | 68 | 105 | 20.19 | 3860 | 1.75 | | | | |
| | 80 | 89 | 17.15 | 3750 | 2.0 | | | | |
| | 90 | 80 | 15.31 | 3670 | 2.2 | | | | |
| | 105 | 68 | 13.08 | 3550 | 2.4 | | | | |
| | 114 | 63 | 12.14 | 3500 | 2.5 | | | | |
| | 132 | 54 | 10.49 | 3380 | 2.9 | | | | |
| | 155 | 46 | 8.91 | 3250 | 3.5 | | | | |
| | 173 | 41 | 7.96 | 3160 | 3.8 | | | | |
| | 203 | 35 | 6.80 | 3030 | 4.3 | | | | |
| | 217 | 33 | 6.37 | 2980 | 4.4 | | | | |
| | 257 | 28 | 5.36 | 2840 | 5.0 | | | | |
| | 347 | 21 | 3.98 | 2620 | 6.0 | | | | |

| $P_{1n}$ [kW] | $n_2$ [r/min] | $M_{2n}$ [Nm] | i | $Fr_2$ [N] | fs |  |  | Page |
|---|---|---|---|---|---|---|---|---|
| **1.1** | 0.15 | 59700 | 9363 | 190000 | 0.85 | **TK 188 / TR98** | **MY 90S4** | 424 |
| | 0.17 | 51100 | 8126 | 190000 | 1.00 | **TKH 188 / TR98** | **MY 90S4** | 424 |
| | 0.19 | 48400 | 7343 | 190000 | 1.05 | | | |
| | 0.21 | 44200 | 6747 | 190000 | 1.15 | | | |
| | 0.23 | 39000 | 5991 | 190000 | 1.30 | | | |
| | 0.26 | 34500 | 5358 | 190000 | 1.45 | | | |
| | 0.29 | 30700 | 4817 | 190000 | 1.65 | | | |
| | 0.32 | 27900 | 4370 | 190000 | 1.80 | | | |
| | 0.26 | 34800 | 5355 | 150000 | 0.90 | **TK 168 / TRF98** | **MY 90S4** | 424 |
| | 0.29 | 30800 | 4788 | 150000 | 1.05 | **TKH 168 / TRF98** | **MY 90S4** | 424 |
| | 0.34 | 26700 | 4079 | 150000 | 1.20 | | | |
| | 0.41 | 22300 | 3376 | 150000 | 1.45 | | | |
| | 0.51 | 17900 | 2755 | 150000 | 1.80 | | | |
| | 0.64 | 14600 | 2182 | 150000 | 2.2 | **TK 168 / TRF98** | **MY 90S4** | 424 |
| | 0.82 | 11300 | 1704 | 150000 | 2.8 | **TKH 168 / TRF98** | **MY 90S4** | 424 |
| | 0.99 | 9390 | 1408 | 150000 | 3.4 | | | |
| | 1.1 | 8600 | 1296 | 150000 | 3.7 | | | |
| | 0.40 | 22700 | 3516 | 109500 | 0.80 | **TK 158 / TRF98** | **MY 90S4** | 424 |
| | 0.46 | 20100 | 3051 | 111100 | 0.90 | **TKF 158 / TRF98** | **MY 90S4** | 424 |
| | 0.54 | 16700 | 2610 | 112800 | 1.10 | **TKA 158 / TRF98** | **MY 90S4** | 424 |
| | 0.60 | 14800 | 2322 | 113600 | 1.20 | **TKAF 158 / TRF98** | **MY 90S4** | 424 |
| | 0.84 | 11100 | 1659 | 115000 | 1.65 | **TK 158 / TRF98** | **MY 90S4** | 424 |
| | 1.0 | 8980 | 1365 | 115600 | 2.0 | **TKF 158 / TRF98** | **MY 90S4** | 424 |
| | 1.1 | 8010 | 1229 | 115800 | 2.3 | **TKA 158 / TRF98** | **MY 90S4** | 424 |
| | 1.3 | 7130 | 1093 | 116000 | 2.5 | **TKAF 158 / TRF98** | **MY 90S4** | 424 |
| | 1.5 | 6150 | 942 | 116100 | 2.9 | | | |
| | 1.6 | 5510 | 854 | 116200 | 3.3 | | | |
| | 0.73 | 13200 | 1926 | 79100 | 1.00 | **TK 128 / TRF78** | **MY 90S4** | 424 |
| | 0.80 | 12000 | 1757 | 79700 | 1.10 | **TKF 128 / TRF78** | **MY 90S4** | 424 |
| | 0.91 | 10500 | 1541 | 80500 | 1.25 | **TKA 128 / TRF78** | **MY 90S4** | 424 |
| | 1.0 | 9170 | 1342 | 81000 | 1.40 | **TKAF 128 / TRF78** | **MY 90S4** | 424 |
| | 1.2 | 8020 | 1177 | 81400 | 1.60 | | | |
| | 1.4 | 7010 | 1025 | 81800 | 1.85 | | | |
| | 1.6 | 6130 | 899 | 82000 | 2.1 | | | |
| | 1.8 | 5280 | 790 | 82200 | 2.5 | | | |
| | 2.0 | 4780 | 704 | 82300 | 2.7 | | | |
| | 2.3 | 4110 | 610 | 82500 | 3.2 | | | |
| | 2.6 | 3710 | 549 | 82500 | 3.5 | | | |
| | 2.9 | 3190 | 477 | 82600 | 4.1 | | | |
| | 1.2 | 7990 | 1166 | 65000 | 1.00 | **TK 108 / TRF78** | **MY 90S4** | 424 |
| | 1.4 | 6960 | 1030 | 65000 | 1.15 | **TKF 108 / TRF78** | **MY 90S4** | 424 |
| | 1.6 | 6080 | 904 | 65000 | 1.30 | **TKA 108 / TRF78** | **MY 90S4** | 424 |
| | 1.8 | 5420 | 793 | 65000 | 1.50 | **TKAF 108 / TRF78** | **MY 90S4** | 424 |
| | 2.0 | 4740 | 696 | 65000 | 1.70 | | | |
| | 2.3 | 4140 | 615 | 65000 | 1.95 | | | |
| | 2.7 | 3510 | 522 | 65000 | 2.3 | | | |
| | 3.0 | 3090 | 461 | 65000 | 2.6 | | | |
| | 3.4 | 2720 | 408 | 65000 | 2.9 | | | |
| | 3.9 | 2470 | 364 | 65000 | 3.2 | | | |
| | 4.4 | 2160 | 318 | 65000 | 3.7 | | | |
| | 1.9 | 5070 | 743 | 39800 | 0.85 | **TK 98 / TRF58** | **MY 90S4** | 424 |
| | 2.1 | 4460 | 652 | 40000 | 0.95 | **TKF 98 / TRF58** | **MY 90S4** | 424 |
| | 2.4 | 3990 | 573 | 40000 | 1.10 | **TKA 98 / TRF58** | **MY 90S4** | 424 |
| | 2.8 | 3430 | 504 | 40000 | 1.25 | **TKAF 98 / TRF58** | **MY 90S4** | 424 |
| | 3.2 | 2970 | 437 | 40000 | 1.45 | | | |
| | 3.7 | 2620 | 382 | 40000 | 1.65 | | | |
| | 4.1 | 2320 | 342 | 40000 | 1.85 | | | |
| | 3.0 | 3250 | 474 | 26500 | 0.85 | **TK 88 / TRF58** | **MY 90S4** | 424 |
| | 3.3 | 2920 | 426 | 27000 | 0.90 | **TKF 88 / TRF58** | **MY 90S4** | 424 |
| | 3.8 | 2570 | 373 | 27400 | 1.05 | **TKA 88 / TRF58** | **MY 90S4** | 424 |
| | 4.2 | 2250 | 330 | 27800 | 1.20 | **TKAF 88 / TRF58** | **MY 90S4** | 424 |

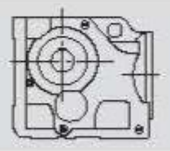
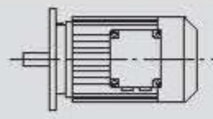
| $P_{1n}$ [kW] | $n_2$ [r/min] | $M_{2n}$ [Nm] | i | $Fr_2$ [N] | fs |  |  | Page |
|---|---|---|---|---|---|---|---|---|
| **1.1** | 4.8 | 2010 | 294 | 28000 | 1.35 | **TK** | **88 / TRF58** | **MY 90S4** | 424 |
| | 5.6 | 1730 | 250 | 28300 | 1.55 | **TKF** | **88 / TRF58** | **MY 90S4** | 424 |
| | 5.9 | 1630 | 236 | 28400 | 1.65 | **TKA** | **88 / TRF58** | **MY 90S4** | 424 |
| | 7.0 | 1390 | 201 | 28600 | 1.95 | **TKAF** | **88 / TRF58** | **MY 90S4** | 424 |
| | 3.8 | 2760 | 176.05* | 40000 | 1.55 | **TK** | **98** | **MY 100L8** | 404 |
| | 4.4 | 2400 | 153.21* | 40000 | 1.80 | **TKF** | **98** | **MY 100L8** | 405 |
| | 4.8 | 2200 | 140.28 | 40000 | 1.95 | **TKA** | **98** | **MY 100L8** | 406 |
| | 5.4 | 1940 | 123.93* | 40000 | 2.2 | **TKAF** | **98** | **MY 100L8** | 405 |
| | 5.2 | 2010 | 176.05* | 40000 | 2.1 | **TK** | **98** | **MY 90L6** | 404 |
| | 6.0 | 1750 | 153.21* | 40000 | 2.5 | **TKF** | **98** | **MY 90L6** | 405 |
| | 6.6 | 1600 | 140.28 | 40000 | 2.7 | **TKA** | **98** | **MY 90L6** | 406 |
| | 7.4 | 1420 | 123.93* | 40000 | 3.0 | **TKAF** | **98** | **MY 90L6** | 405 |
| | 8.0 | 1320 | 176.05* | 40000 | 3.3 | **TK** | **98** | **MY 90S4** | 404 |
| | 9.1 | 1150 | 153.21* | 40000 | 3.7 | **TKF** | **98** | **MY 90S4** | 405 |
| | 10 | 1050 | 140.28 | 40000 | 4.1 | **TKA** | **98** | **MY 90S4** | 406 |
| | | | | | | **TKAF** | **98** | **MY 90S4** | 405 |
| | 5.3 | 1990 | 174.19 | 28100 | 1.35 | **TK** | **88** | **MY 90L6** | 400 |
| | 5.6 | 1880 | 164.34* | 28200 | 1.45 | **TKF** | **88** | **MY 90L6** | 401 |
| | 6.2 | 1680 | 147.32* | 28300 | 1.60 | **TKA** | **88** | **MY 90L6** | 402 |
| | 7.2 | 1450 | 126.91* | 28500 | 1.85 | **TKAF** | **88** | **MY 90L6** | 401 |
| | 8.0 | 1310 | 174.19 | 28600 | 2.1 | **TK** | **88** | **MY 90S4** | 400 |
| | 8.5 | 1230 | 164.34* | 28700 | 2.2 | **TKF** | **88** | **MY 90S4** | 401 |
| | 9.5 | 1110 | 147.32* | 28700 | 2.4 | **TKA** | **88** | **MY 90S4** | 402 |
| | 11 | 950 | 126.91* | 28800 | 2.8 | **TKAF** | **88** | **MY 90S4** | 401 |
| | 12 | 870 | 115.82 | 28800 | 3.1 | | | | |
| | 6.8 | 1540 | 135.28 | 15400 | 1.00 | **TK** | **78** | **MY 90L6** | 396 |
| | 7.2 | 1470 | 128.52 | 15900 | 1.05 | **TKF** | **78** | **MY 90L6** | 397 |
| | 8.1 | 1300 | 113.56 | 17000 | 1.20 | **TKA** | **78** | **MY 90L6** | 398 |
| | 9.5 | 1110 | 97.05 | 17900 | 1.40 | **TKAF** | **78** | **MY 90L6** | 397 |
| | 10 | 1020 | 135.28 | 18300 | 1.55 | **TK** | **78** | **MY 90S4** | 396 |
| | 11 | 960 | 128.52 | 18400 | 1.60 | **TKF** | **78** | **MY 90S4** | 397 |
| | 12 | 850 | 113.56 | 18800 | 1.80 | **TKA** | **78** | **MY 90S4** | 398 |
| | | | | | | **TKAF** | **78** | **MY 90S4** | 397 |
| | 14 | 730 | 97.05 | 19200 | 2.1 | **TK** | **78** | **MY 90S4** | 396 |
| | 16 | 670 | 88.97 | 19300 | 2.3 | **TKF** | **78** | **MY 90S4** | 397 |
| | 18 | 585 | 78.07 | 19500 | 2.7 | **TKA** | **78** | **MY 90S4** | 398 |
| | 19 | 555 | 73.99 | 19600 | 2.8 | **TKAF** | **78** | **MY 90S4** | 397 |
| | 13 | 810 | 108.03 | 10400 | 1.00 | **TK** | **68** | **MY 90S4** | 392 |
| | 14 | 770 | 102.62 | 10700 | 1.05 | **TKF** | **68** | **MY 90S4** | 393 |
| | 16 | 675 | 90.04 | 11400 | 1.20 | **TKA** | **68** | **MY 90S4** | 394 |
| | 18 | 575 | 76.37 | 12000 | 1.45 | **TKAF** | **68** | **MY 90S4** | 393 |
| | 20 | 515 | 68.95 | 12300 | 1.60 | | | | |
| | 23 | 455 | 60.66 | 12600 | 1.80 | **TK** | **68** | **MY 90S4** | 392 |
| | 24 | 430 | 57.28 | 12700 | 1.90 | **TKF** | **68** | **MY 90S4** | 393 |
| | 29 | 365 | 48.77 | 12900 | 2.2 | **TKA** | **68** | **MY 90S4** | 394 |
| | 32 | 335 | 44.32 | 13000 | 2.5 | **TKAF** | **68** | **MY 90S4** | 393 |
| | 36 | 290 | 38.39 | 13000 | 2.8 | | | | |
| | 16 | 675 | 90.26* | 2410 | 0.90 | **TK** | **58** | **MY 90S4** | 388 |
| | 18 | 575 | 76.56* | 7840 | 1.05 | **TKF** | **58** | **MY 90S4** | 389 |
| | 20 | 520 | 69.12 | 8280 | 1.15 | **TKA** | **58** | **MY 90S4** | 390 |
| | 23 | 455 | 60.81* | 8630 | 1.30 | **TKAF** | **58** | **MY 90S4** | 389 |
| | 24 | 430 | 57.42* | 8750 | 1.40 | | | | |
| | 29 | 365 | 48.89 | 9020 | 1.65 | | | | |
| | 32 | 335 | 44.43 | 9160 | 1.80 | | | | |
| | 36 | 290 | 38.49 | 9330 | 2.1 | **TK** | **58** | **MY 90S4** | 388 |
| | 39 | 270 | 35.70 | 9400 | 2.2 | **TKF** | **58** | **MY 90S4** | 389 |
| | 46 | 225 | 30.28 | 9540 | 2.6 | **TKA** | **58** | **MY 90S4** | 390 |
| | 51 | 205 | 27.34 | 9510 | 2.9 | **TKAF** | **58** | **MY 90S4** | 389 |
| | 58 | 181 | 24.05 | 9220 | 3.3 | | | | |
| | 62 | 170 | 22.71 | 9090 | 3.5 | | | | |
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| | 80 | 132 | 17.57 | 8510 | 4.2 | | | | |

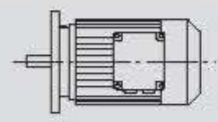
| $P_{1n}$ [kW] | $n_2$ [r/min] | $M_{2n}$ [Nm] | i | $Fr_2$ [N] | fs |  |  | Page |
|---|---|---|---|---|---|---|---|---|
| **1.1** | 92 | 114 | 15.22 | 8180 | 4.7 | **TK 58** | **MY 90S4** | 388 |
| | 106 | 99 | 13.25 | 7880 | 5.1 | **TKF 58** | **MY 90S4** | 389 |
| | 117 | 90 | 11.92 | 7570 | 4.6 | **TKA 58** | **MY 90S4** | 390 |
| | 124 | 85 | 11.26 | 7450 | 4.9 | **TKAF 58** | **MY 90S4** | 389 |
| | 146 | 72 | 9.59 | 7120 | 5.6 | | | |
| | 161 | 65 | 8.71 | 6930 | 6.0 | **TK 58** | **MY 90S4** | 388 |
| | 186 | 57 | 7.55 | 6650 | 6.5 | **TKF 58** | **MY 90S4** | 389 |
| | 213 | 49 | 6.57 | 6380 | 7.0 | **TKA 58** | **MY 90S4** | 390 |
| | 298 | 35 | 4.69 | 5770 | 8.5 | **TKAF 58** | **MY 90S4** | 389 |
| | 25 | 425 | 56.83 | 3310 | 0.95 | **TK 48** | **MY 90S4** | 384 |
| | 29 | 365 | 48.95* | 6360 | 1.10 | **TKF 48** | **MY 90S4** | 385 |
| | 30 | 345 | 46.03* | 6610 | 1.15 | **TKA 48** | **MY 90S4** | 386 |
| | | | | | | **TKAF 48** | **MY 90S4** | 385 |
| | 35 | 295 | 39.61 | 7090 | 1.35 | **TK 48** | **MY 90S4** | 384 |
| | 40 | 265 | 35.39 | 7090 | 1.50 | **TKF 48** | **MY 90S4** | 385 |
| | 45 | 235 | 31.30 | 6960 | 1.70 | **TKA 48** | **MY 90S4** | 386 |
| | 48 | 220 | 29.32 | 6890 | 1.80 | **TKAF 48** | **MY 90S4** | 385 |
| | 54 | 194 | 25.91 | 6730 | 2.1 | | | |
| | 64 | 164 | 21.81 | 6510 | 2.4 | | | |
| | 72 | 147 | 19.58 | 6360 | 2.7 | | | |
| | 47 | 225 | 29.96 | 3420 | 0.90 | **TK 38** | **MY 90S4** | 380 |
| | 56 | 188 | 24.99 | 3440 | 1.05 | **TKF 38** | **MY 90S4** | 381 |
| | 60 | 175 | 23.36 | 3440 | 1.10 | **TKA 38** | **MY 90S4** | 382 |
| | 69 | 152 | 20.19 | 3420 | 1.20 | **TKAF 38** | **MY 90S4** | 381 |
| | 82 | 129 | 17.15 | 3370 | 1.40 | | | |
| | 91 | 115 | 15.31 | 3330 | 1.50 | | | |
| | 107 | 98 | 13.08 | 3260 | 1.70 | | | |
| | 115 | 91 | 12.14 | 3220 | 1.75 | | | |
| | 133 | 79 | 10.49 | 3140 | 2.0 | | | |
| | 157 | 67 | 8.91 | 3040 | 2.4 | | | |
| | 176 | 60 | 7.96 | 2970 | 2.6 | | | |
| | 206 | 51 | 6.80 | 2870 | 2.9 | | | |
| | 220 | 48 | 6.37 | 2830 | 3.0 | | | |
| | 261 | 40 | 5.36 | 2720 | 3.5 | | | |
| | 352 | 30 | 3.98 | 2520 | 4.2 | | | |
| **1.5** | 0.21 | 60800 | 6747 | 190000 | 0.80 | **TK 188 / TRF98** | **MY 90L4** | 424 |
| | 0.24 | 53600 | 5991 | 190000 | 0.95 | **TKH 188 / TRF98** | **MY 90L4** | 424 |
| | 0.26 | 47600 | 5358 | 190000 | 1.05 | | | |
| | 0.29 | 42500 | 4817 | 190000 | 1.20 | | | |
| | 0.32 | 38600 | 4370 | 190000 | 1.30 | | | |
| | 0.39 | 33100 | 3609 | 190000 | 1.50 | **TK 188 / TRF98** | **MY 90L4** | 424 |
| | 0.46 | 28000 | 3062 | 190000 | 1.80 | **TKH 188 / TRF98** | **MY 90L4** | 424 |
| | 0.56 | 22800 | 2519 | 190000 | 2.2 | | | |
| | 0.62 | 20400 | 2268 | 190000 | 2.5 | | | |
| | 0.35 | 36700 | 4079 | 150000 | 0.85 | **TK 168 / TRF98** | **MY 90L4** | 424 |
| | 0.42 | 30500 | 3376 | 150000 | 1.05 | **TKH 168 / TRF98** | **MY 90L4** | 424 |
| | 0.51 | 24700 | 2755 | 150000 | 1.30 | | | |
| | 0.65 | 20000 | 2182 | 150000 | 1.60 | **TK 168 / TRF98** | **MY 90L4** | 424 |
| | 0.83 | 15500 | 1704 | 150000 | 2.1 | **TKH 168 / TRF98** | **MY 90L4** | 424 |
| | 1.0 | 12900 | 1408 | 150000 | 2.5 | | | |
| | 1.1 | 11800 | 1296 | 150000 | 2.7 | | | |
| | 0.61 | 20500 | 2322 | 110800 | 0.90 | **TK 158 / TRF98** | **MY 90L4** | 424 |
| | | | | | | **TKF 158 / TRF98** | **MY 90L4** | 424 |
| | | | | | | **TKA 158 / TRF98** | **MY 90L4** | 424 |
| | | | | | | **TKAF 158 / TRF98** | **MY 90L4** | 424 |
| | 0.85 | 15200 | 1659 | 113500 | 1.20 | **TK 158 / TRF98** | **MY 90L4** | 424 |
| | 1.0 | 12400 | 1365 | 114600 | 1.45 | **TKF 158 / TRF98** | **MY 90L4** | 424 |
| | 1.2 | 11100 | 1229 | 115000 | 1.65 | **TKA 158 / TRF98** | **MY 90L4** | 424 |
| | 1.3 | 9840 | 1093 | 115300 | 1.85 | **TKAF 158 / TRF98** | **MY 90L4** | 424 |
| | 1.5 | 8480 | 942 | 115700 | 2.1 | **TK 158 / TRF98** | **MY 90L4** | 424 |
| | 1.7 | 7630 | 854 | 115900 | 2.4 | **TKF 158 / TRF98** | **MY 90L4** | 424 |
| | 2.5 | 5010 | 567 | 116300 | 3.6 | **TKA 158 / TRF98** | **MY 90L4** | 424 |
| | 2.8 | 4460 | 504 | 116400 | 4.0 | **TKAF 158 / TRF98** | **MY 90L4** | 424 |

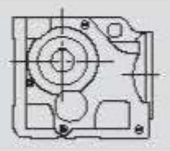
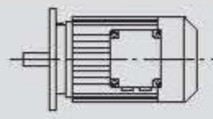
| $P_{1n}$ [kW] | $n_2$ [r/min] | $M_{2n}$ [Nm] | i | $Fr_2$ [N] | fs |  |  | Page |
|---|---|---|---|---|---|---|---|---|
| **1.5** | 2.6 | 4830 | 536 | 82300 | 2.7 | **TK 128 / TRF88** | **MY 90L4** | 424 |
| | 3.4 | 3800 | 418 | 82500 | 3.4 | **TKF 128 / TRF88** | **MY 90L4** | 424 |
| | 3.8 | 3350 | 367 | 82600 | 3.9 | **TKA 128 / TRF88** | **MY 90L4** | 424 |
| | | | | | | **TKAF 128 / TRF88** | **MY 90L4** | 424 |
| | 0.80 | 16400 | 1757 | 73100 | 0.80 | **TK 128 / TRF78** | **MY 90L4** | 424 |
| | 0.91 | 14300 | 1541 | 77300 | 0.90 | **TKF 128 / TRF78** | **MY 90L4** | 424 |
| | 1.1 | 12500 | 1342 | 79500 | 1.05 | **TKA 128 / TRF78** | **MY 90L4** | 424 |
| | 1.2 | 10900 | 1177 | 80300 | 1.20 | **TKAF 128 / TRF78** | **MY 90L4** | 424 |
| | 1.4 | 9550 | 1025 | 80900 | 1.35 | | | |
| | 1.6 | 8360 | 899 | 81300 | 1.55 | | | |
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| | 2.0 | 6520 | 704 | 81900 | 2.0 | | | |
| | 2.3 | 5620 | 610 | 82200 | 2.3 | | | |
| | 2.6 | 5080 | 549 | 82300 | 2.6 | | | |
| | 3.0 | 4370 | 477 | 82400 | 3.0 | | | |
| | 3.4 | 3870 | 418 | 82500 | 3.4 | | | |
| | 1.4 | 9520 | 1030 | 65000 | 0.85 | **TK 108 / TRF78** | **MY 90L4** | 424 |
| | 1.6 | 8320 | 904 | 65000 | 0.95 | **TKF 108 / TRF78** | **MY 90L4** | 424 |
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| | 2.3 | 5670 | 615 | 65000 | 1.40 | | | |
| | 2.7 | 4810 | 522 | 65000 | 1.65 | | | |
| | 3.1 | 4230 | 461 | 65000 | 1.90 | | | |
| | 3.5 | 3740 | 408 | 65000 | 2.1 | | | |
| | 3.9 | 3370 | 364 | 65000 | 2.4 | | | |
| | 4.4 | 2940 | 318 | 65000 | 2.7 | | | |
| | 2.5 | 5420 | 573 | 39400 | 0.80 | **TK 98 / TRF58** | **MY 90L4** | 424 |
| | 2.8 | 4680 | 504 | 40000 | 0.90 | **TKF 98 / TRF58** | **MY 90L4** | 424 |
| | 3.2 | 4050 | 437 | 40000 | 1.05 | **TKA 98 / TRF58** | **MY 90L4** | 424 |
| | 3.7 | 3570 | 382 | 40000 | 1.20 | **TKAF 98 / TRF58** | **MY 90L4** | 424 |
| | 4.1 | 3160 | 342 | 40000 | 1.35 | | | |
| | 4.6 | 2880 | 305 | 40000 | 1.50 | | | |
| | 5.5 | 2430 | 258 | 40000 | 1.75 | | | |
| | 6.1 | 2190 | 232 | 40000 | 1.95 | | | |
| | 7.1 | 1870 | 199 | 40000 | 2.3 | | | |
| | 4.3 | 3070 | 330 | 26800 | 0.90 | **TK 88 / TRF58** | **MY 90L4** | 424 |
| | 4.8 | 2750 | 294 | 27200 | 1.00 | **TKF 88 / TRF58** | **MY 90L4** | 424 |
| | 5.6 | 2360 | 250 | 27700 | 1.15 | **TKA 88 / TRF58** | **MY 90L4** | 424 |
| | 6.0 | 2230 | 236 | 27800 | 1.20 | **TKAF 88 / TRF58** | **MY 90L4** | 424 |
| | 7.0 | 1890 | 201 | 28200 | 1.45 | | | |
| | 7.7 | 1720 | 183 | 28300 | 1.55 | | | |
| | 4.9 | 2940 | 143.47* | 65000 | 2.7 | **TK 108** | **MY 112M8** | 408 |
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| | | | | | | **TKAF 108** | **MY 112M8** | 409 |
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| | 5.0 | 2870 | 140.28 | 40000 | 1.50 | **TKF 98** | **MY 112M8** | 405 |
| | 5.7 | 2540 | 123.93* | 40000 | 1.70 | **TKA 98** | **MY 112M8** | 406 |
| | | | | | | **TKAF 98** | **MY 112M8** | 405 |
| | 5.2 | 2740 | 176.05* | 40000 | 1.55 | **TK 98** | **MY 100M6** | 404 |
| | 6.0 | 2390 | 153.21* | 40000 | 1.80 | **TKF 98** | **MY 100M6** | 405 |
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| | 7.4 | 1930 | 123.93* | 40000 | 2.2 | **TKAF 98** | **MY 100M6** | 405 |
| | 8.0 | 1790 | 176.05* | 40000 | 2.4 | **TK 98** | **MY 90L4** | 404 |
| | 9.2 | 1560 | 153.21* | 40000 | 2.8 | **TKF 98** | **MY 90L4** | 405 |
| | 10 | 1430 | 140.28 | 40000 | 3.0 | **TKA 98** | **MY 90L4** | 406 |
| | 11 | 1260 | 123.93* | 40000 | 3.4 | **TKAF 98** | **MY 90L4** | 405 |
| | 6.2 | 2290 | 147.32* | 27800 | 1.20 | **TK 88** | **MY 100M6** | 400 |
| | 7.2 | 1980 | 126.91* | 28100 | 1.35 | **TKF 88** | **MY 100M6** | 401 |
| | 7.9 | 1800 | 115.82 | 28200 | 1.50 | **TKA 88** | **MY 100M6** | 402 |
| | 9.0 | 1600 | 102.71* | 28400 | 1.70 | **TKAF 88** | **MY 100M6** | 401 |

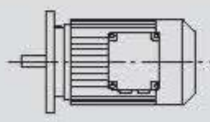
| $P_{1n}$ [kW] | $n_2$ [r/min] | $M_{2n}$ [Nm] | i | $Fr_2$ [N] | fs | | | Page |
|---|---|---|---|---|---|---|---|---|
| **1.5** | 8.1 | 1770 | 174.19 | 28300 | 1.55 | **TK 88** | **MY 90L4** | 400 |
| | 8.6 | 1670 | 164.34* | 28300 | 1.60 | **TKF 88** | **MY 90L4** | 401 |
| | 9.6 | 1500 | 147.32* | 28500 | 1.80 | **TKA 88** | **MY 90L4** | 402 |
| | 11 | 1290 | 126.91* | 28600 | 2.1 | **TKAF 88** | **MY 90L4** | 401 |
| | 12 | 1180 | 115.82 | 28700 | 2.3 | | | |
| | 14 | 1040 | 102.71* | 28800 | 2.6 | | | |
| | 16 | 880 | 86.34 | 28800 | 3.1 | | | |
| | 8.1 | 1770 | 113.56 | 13600 | 0.90 | **TK 78** | **MY 100M6** | 396 |
| | 9.5 | 1510 | 97.05 | 15700 | 1.05 | **TKF 78** | **MY 100M6** | 397 |
| | 10 | 1390 | 88.97 | 16400 | 1.10 | **TKA 78** | **MY 100M6** | 398 |
| | 12 | 1220 | 78.07 | 17400 | 1.30 | **TKAF 78** | **MY 100M6** | 397 |
| | 10 | 1370 | 135.28 | 16500 | 1.15 | **TK 78** | **MY 90L4** | 396 |
| | 11 | 1310 | 128.52 | 16900 | 1.20 | **TKF 78** | **MY 90L4** | 397 |
| | 12 | 1150 | 113.56 | 17700 | 1.35 | **TKA 78** | **MY 90L4** | 398 |
| | 15 | 990 | 97.05 | 18400 | 1.55 | **TKAF 78** | **MY 90L4** | 397 |
| | 16 | 900 | 88.97 | 18700 | 1.70 | | | |
| | 18 | 795 | 78.07 | 19000 | 1.95 | **TK 78** | **MY 90L4** | 396 |
| | 19 | 750 | 73.99 | 19100 | 2.1 | **TKF 78** | **MY 90L4** | 397 |
| | 22 | 660 | 64.75 | 19400 | 2.4 | **TKA 78** | **MY 90L4** | 398 |
| | 24 | 595 | 58.34 | 19500 | 2.6 | **TKAF 78** | **MY 90L4** | 397 |
| | 28 | 520 | 51.18 | 19700 | 3.0 | | | |
| | 31 | 460 | 45.16 | 19800 | 3.4 | | | |
| | 35 | 405 | 40.04 | 19800 | 3.8 | | | |
| | 16 | 910 | 90.04 | 9370 | 0.90 | **TK 68** | **MY 90L4** | 392 |
| | 18 | 775 | 76.37 | 10700 | 1.05 | **TKF 68** | **MY 90L4** | 393 |
| | 20 | 700 | 68.95 | 11300 | 1.15 | **TKA 68** | **MY 90L4** | 394 |
| | 23 | 615 | 60.66 | 11800 | 1.35 | **TKAF 68** | **MY 90L4** | 393 |
| | 25 | 580 | 57.28 | 12000 | 1.40 | | | |
| | 29 | 495 | 48.77 | 12400 | 1.65 | | | |
| | 32 | 450 | 44.32 | 12600 | 1.80 | **TK 68** | **MY 90L4** | 392 |
| | 37 | 390 | 38.39 | 12800 | 2.1 | **TKF 68** | **MY 90L4** | 393 |
| | 40 | 360 | 35.62 | 12900 | 2.3 | **TKA 68** | **MY 90L4** | 394 |
| | 47 | 305 | 30.22 | 13000 | 2.7 | **TKAF 68** | **MY 90L4** | 393 |
| | 52 | 275 | 27.28 | 13000 | 3.0 | | | |
| | 59 | 245 | 24.00 | 13000 | 3.3 | | | |
| | 23 | 620 | 60.81* | 7480 | 0.95 | **TK 58** | **MY 90L4** | 388 |
| | 25 | 585 | 57.42* | 7770 | 1.05 | **TKF 58** | **MY 90L4** | 389 |
| | 29 | 495 | 48.89 | 8430 | 1.20 | **TKA 58** | **MY 90L4** | 390 |
| | 32 | 450 | 44.43 | 8650 | 1.35 | **TKAF 58** | **MY 90L4** | 389 |
| | 37 | 390 | 38.49 | 8920 | 1.55 | **TK 58** | **MY 90L4** | 388 |
| | 39 | 365 | 35.70 | 9040 | 1.65 | **TKF 58** | **MY 90L4** | 389 |
| | 47 | 310 | 30.28 | 9190 | 1.95 | **TKA 58** | **MY 90L4** | 390 |
| | 52 | 280 | 27.34 | 9010 | 2.2 | **TKAF 58** | **MY 90L4** | 389 |
| | 59 | 245 | 24.05 | 8780 | 2.5 | | | |
| | 62 | 230 | 22.71 | 8670 | 2.6 | | | |
| | 73 | 196 | 19.34 | 8360 | 2.9 | | | |
| | 36 | 400 | 39.61 | 5890 | 1.00 | **TK 48** | **MY 90L4** | 384 |
| | 40 | 360 | 35.39 | 6360 | 1.10 | **TKF 48** | **MY 90L4** | 385 |
| | 45 | 320 | 31.30 | 6310 | 1.25 | **TKA 48** | **MY 90L4** | 386 |
| | | | | | | **TKAF 48** | **MY 90L4** | 385 |
| | 48 | 300 | 29.32 | 6270 | 1.35 | **TK 48** | **MY 90L4** | 384 |
| | 54 | 265 | 25.91 | 6190 | 1.50 | **TKF 48** | **MY 90L4** | 385 |
| | 65 | 220 | 21.81 | 6050 | 1.80 | **TKA 48** | **MY 90L4** | 386 |
| | 72 | 199 | 19.58 | 5950 | 2.0 | **TKAF 48** | **MY 90L4** | 385 |
| | 84 | 171 | 16.86 | 5800 | 2.2 | | | |
| | 89 | 161 | 15.86 | 5730 | 2.4 | | | |
| | 103 | 139 | 13.65 | 5560 | 2.6 | | | |
| | 116 | 124 | 12.19 | 5430 | 2.8 | | | |
| | 120 | 120 | 11.77 | 5340 | 2.3 | | | |
| | 60 | 235 | 23.36 | 2860 | 0.80 | **TK 38** | **MY 90L4** | 380 |
| | 70 | 205 | 20.19 | 2920 | 0.90 | **TKF 38** | **MY 90L4** | 381 |
| | 82 | 174 | 17.15 | 2940 | 1.05 | **TKA 38** | **MY 90L4** | 382 |
| | 92 | 156 | 15.31 | 2950 | 1.10 | **TKAF 38** | **MY 90L4** | 381 |

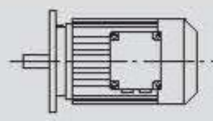
| $P_{1n}$ [kW] | $n_2$ [r/min] | $M_{2n}$ [Nm] | i | $Fr_2$ [N] | fs | | | Page |
|---|---|---|---|---|---|---|---|---|
| **1.5** | 108 | 133 | 13.08 | 2930 | 1.25 | **TK 38** | **MY 90L4** | 380 |
| | 116 | 123 | 12.14 | 2920 | 1.30 | **TKF 38** | **MY 90L4** | 381 |
| | 134 | 107 | 10.49 | 2880 | 1.50 | **TKA 38** | **MY 90L4** | 382 |
| | 158 | 91 | 8.91 | 2820 | 1.75 | **TKAF 38** | **MY 90L4** | 381 |
| | 177 | 81 | 7.96 | 2770 | 1.90 | | | |
| | 207 | 69 | 6.80 | 2700 | 2.2 | | | |
| | 221 | 65 | 6.37 | 2670 | 2.2 | | | |
| | 263 | 55 | 5.36 | 2580 | 2.6 | | | |
| | 354 | 40 | 3.98 | 2420 | 3.1 | | | |
| **2.2** | 0.32 | 57700 | 4370 | 190000 | 0.85 | **TK 188 / TRF98** | **MY 100M4** | 424 |
| | 0.50 | 36400 | 2818 | 190000 | 1.40 | **TKH 188 / TRF98** | **MY 100M4** | 424 |
| | 0.39 | 49000 | 3609 | 190000 | 1.00 | **TK 188 / TRF98** | **MY 100M4** | 424 |
| | 0.46 | 41600 | 3062 | 190000 | 1.20 | **TKH 188 / TRF98** | **MY 100M4** | 424 |
| | 0.56 | 34000 | 2519 | 190000 | 1.45 | | | |
| | 0.62 | 30400 | 2268 | 190000 | 1.65 | | | |
| | 0.69 | 27400 | 2054 | 190000 | 1.80 | | | |
| | 0.77 | 24200 | 1821 | 190000 | 2.1 | | | |
| | 0.88 | 21400 | 1605 | 190000 | 2.3 | | | |
| | 0.51 | 36700 | 2755 | 150000 | 0.85 | **TK 168 / TRF98** | **MY 100M4** | 424 |
| | 0.62 | 29500 | 2263 | 150000 | 1.10 | **TKH 168 / TRF98** | **MY 100M4** | 424 |
| | 0.65 | 29600 | 2182 | 150000 | 1.10 | **TK 168 / TRF98** | **MY 100M4** | 424 |
| | 0.83 | 23100 | 1704 | 150000 | 1.40 | **TKH 168 / TRF98** | **MY 100M4** | 424 |
| | 1.0 | 19100 | 1408 | 150000 | 1.65 | | | |
| | 1.1 | 17500 | 1296 | 150000 | 1.80 | | | |
| | 1.3 | 14600 | 1101 | 150000 | 2.2 | | | |
| | 1.5 | 12600 | 944 | 150000 | 2.5 | | | |
| | 0.85 | 22500 | 1659 | 109600 | 0.80 | **TK 158 / TRF98** | **MY 100M4** | 424 |
| | 1.0 | 18400 | 1365 | 112000 | 1.00 | **TKF 158 / TRF98** | **MY 100M4** | 424 |
| | 1.2 | 16500 | 1229 | 112900 | 1.10 | **TKA 158 / TRF98** | **MY 100M4** | 424 |
| | 1.3 | 14700 | 1093 | 113700 | 1.25 | **TKAF 158 / TRF98** | **MY 100M4** | 424 |
| | 1.5 | 12700 | 942 | 114500 | 1.40 | | | |
| | 1.7 | 11400 | 854 | 114900 | 1.60 | | | |
| | 1.9 | 9880 | 756 | 115300 | 1.80 | | | |
| | 2.6 | 7200 | 536 | 81700 | 1.80 | **TK 128 / TRF88** | **MY 100M4** | 424 |
| | 3.0 | 6300 | 473 | 82000 | 2.1 | **TKF 128 / TRF88** | **MY 100M4** | 424 |
| | 3.4 | 5670 | 418 | 82100 | 2.3 | **TKA 128 / TRF88** | **MY 100M4** | 424 |
| | 3.8 | 4970 | 367 | 82300 | 2.6 | **TKAF 128 / TRF88** | **MY 100M4** | 424 |
| | 4.3 | 4460 | 330 | 82400 | 2.9 | | | |
| | 1.4 | 14100 | 1025 | 77800 | 0.90 | **TK 128 / TRF78** | **MY 100M4** | 424 |
| | 1.6 | 12300 | 899 | 79500 | 1.05 | **TKF 128 / TRF78** | **MY 100M4** | 424 |
| | 1.8 | 10700 | 790 | 80400 | 1.20 | **TKA 128 / TRF78** | **MY 100M4** | 424 |
| | 2.0 | 9640 | 704 | 80800 | 1.35 | **TKAF 128 / TRF78** | **MY 100M4** | 424 |
| | 2.3 | 8330 | 610 | 81300 | 1.55 | | | |
| | 2.6 | 7510 | 549 | 81600 | 1.75 | | | |
| | 3.0 | 6490 | 477 | 81900 | 2.0 | | | |
| | 3.4 | 5720 | 418 | 82100 | 2.3 | | | |
| | 2.3 | 8390 | 615 | 65000 | 0.95 | **TK 108 / TRF78** | **MY 100M4** | 424 |
| | 2.7 | 7120 | 522 | 65000 | 1.10 | **TKF 108 / TRF78** | **MY 100M4** | 424 |
| | 3.1 | 6270 | 461 | 65000 | 1.30 | **TKA 108 / TRF78** | **MY 100M4** | 424 |
| | 3.5 | 5540 | 408 | 65000 | 1.45 | **TKAF 108 / TRF78** | **MY 100M4** | 424 |
| | 3.9 | 4980 | 364 | 65000 | 1.60 | | | |
| | 4.4 | 4350 | 318 | 65000 | 1.85 | | | |
| | 4.9 | 3910 | 286 | 65000 | 2.0 | | | |
| | 5.6 | 3430 | 251 | 65000 | 2.3 | | | |
| | 3.7 | 5260 | 382 | 39600 | 0.80 | **TK 98 / TRF58** | **MY 100M4** | 424 |
| | 4.1 | 4680 | 342 | 40000 | 0.90 | **TKF 98 / TRF58** | **MY 100M4** | 424 |
| | 4.6 | 4240 | 305 | 40000 | 1.00 | **TKA 98 / TRF58** | **MY 100M4** | 424 |
| | 5.5 | 3580 | 258 | 40000 | 1.20 | **TKAF 98 / TRF58** | **MY 100M4** | 424 |
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| | 7.1 | 2760 | 199 | 40000 | 1.55 | | | |

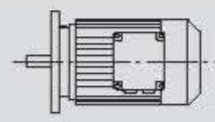
| $P_{1n}$ [kW] | $n_2$ [r/min] | $M_{2n}$ [Nm] | i | $Fr_2$ [N] | fs |  |  | Page |
|---|---|---|---|---|---|---|---|---|
| **2.2** | 4.9 | 4310 | 143.47* | 65000 | 1.85 | **TK 108** | **MY 132S8** | 408 |
| | 5.8 | 3650 | 121.46 | 65000 | 2.2 | **TKF 108** | **MY 132S8** | 409 |
| | 6.2 | 3370 | 112.41* | 65000 | 2.4 | **TKA 108** | **MY 132S8** | 410 |
| | 7.0 | 3020 | 100.75 | 65000 | 2.7 | **TKAF 108** | **MY 132S8** | 409 |
| | 6.1 | 3420 | 153.21* | 40000 | 1.25 | **TK 98** | **MY 112M6** | 404 |
| | 6.7 | 3140 | 140.28 | 40000 | 1.35 | **TKF 98** | **MY 112M6** | 405 |
| | 7.6 | 2770 | 123.93* | 40000 | 1.55 | **TKA 98** | **MY 112M6** | 406 |
| | 8.9 | 2350 | 105.13 | 40000 | 1.85 | **TKAF 98** | **MY 112M6** | 405 |
| | 8.0 | 2620 | 176.05* | 40000 | 1.65 | **TK 98** | **MY 100M4** | 404 |
| | 9.2 | 2280 | 153.21* | 40000 | 1.90 | **TKF 98** | **MY 100M4** | 405 |
| | 10 | 2090 | 140.28 | 40000 | 2.1 | **TKA 98** | **MY 100M4** | 406 |
| | 11 | 1850 | 123.93* | 40000 | 2.3 | **TKAF 98** | **MY 100M4** | 405 |
| | 13 | 1570 | 105.13 | 40000 | 2.8 | **TK 98** | **MY 100M4** | 404 |
| | 15 | 1440 | 96.80 | 40000 | 3.0 | **TKF 98** | **MY 100M4** | 405 |
| | | | | | | **TKA 98** | **MY 100M4** | 406 |
| | | | | | | **TKAF 98** | **MY 100M4** | 405 |
| | 9.6 | 2200 | 147.32* | 27900 | 1.25 | **TK 88** | **MY 100M4** | 400 |
| | 11 | 1890 | 126.91* | 28200 | 1.45 | **TKF 88** | **MY 100M4** | 401 |
| | 12 | 1730 | 115.82 | 28300 | 1.55 | **TKA 88** | **MY 100M4** | 402 |
| | | | | | | **TKAF 88** | **MY 100M4** | 401 |
| | 14 | 1530 | 102.71* | 28500 | 1.75 | **TK 88** | **MY 100M4** | 400 |
| | 16 | 1290 | 86.34 | 28600 | 2.1 | **TKF 88** | **MY 100M4** | 401 |
| | 18 | 1180 | 79.34 | 28700 | 2.3 | **TKA 88** | **MY 100M4** | 402 |
| | 20 | 1050 | 70.46 | 28800 | 2.6 | **TKAF 88** | **MY 100M4** | 401 |
| | 22 | 940 | 63.00* | 28800 | 2.9 | | | |
| | 12 | 1690 | 113.56 | 14300 | 0.90 | **TK 78** | **MY 100M4** | 396 |
| | 15 | 1450 | 97.05 | 16100 | 1.05 | **TKF 78** | **MY 100M4** | 397 |
| | 16 | 1330 | 88.97 | 16800 | 1.15 | **TKA 78** | **MY 100M4** | 398 |
| | 18 | 1160 | 78.07 | 17600 | 1.35 | **TKAF 78** | **MY 100M4** | 397 |
| | 19 | 1100 | 73.99 | 17900 | 1.40 | | | |
| | 22 | 960 | 64.75 | 18400 | 1.60 | | | |
| | 24 | 870 | 58.34 | 18800 | 1.80 | **TK 78** | **MY 100M4** | 396 |
| | 28 | 765 | 51.18 | 19100 | 2.0 | **TKF 78** | **MY 100M4** | 397 |
| | 31 | 675 | 45.16 | 19300 | 2.3 | **TKA 78** | **MY 100M4** | 398 |
| | 35 | 595 | 40.04 | 19500 | 2.6 | **TKAF 78** | **MY 100M4** | 397 |
| | 40 | 525 | 35.20 | 19700 | 3.0 | **TK 78** | **MY 100M4** | 396 |
| | 46 | 460 | 30.89 | 19800 | 3.4 | **TKF 78** | **MY 100M4** | 397 |
| | 48 | 435 | 29.27 | 19800 | 3.6 | **TKA 78** | **MY 100M4** | 398 |
| | 55 | 380 | 25.62 | 19900 | 4.1 | **TKAF 78** | **MY 100M4** | 397 |
| | 23 | 900 | 60.66 | 9490 | 0.90 | **TK 68** | **MY 100M4** | 392 |
| | 25 | 850 | 57.28 | 10000 | 0.95 | **TKF 68** | **MY 100M4** | 393 |
| | 29 | 725 | 48.77 | 11100 | 1.15 | **TKA 68** | **MY 100M4** | 394 |
| | 32 | 660 | 44.32 | 11500 | 1.25 | **TKAF 68** | **MY 100M4** | 393 |
| | 37 | 570 | 38.39 | 12100 | 1.40 | | | |
| | 40 | 530 | 35.62 | 12300 | 1.55 | | | |
| | 47 | 450 | 30.22 | 12600 | 1.80 | | | |
| | 52 | 405 | 27.28 | 12800 | 2.0 | **TK 68** | **MY 100M4** | 392 |
| | 59 | 360 | 24.00 | 13000 | 2.2 | **TKF 68** | **MY 100M4** | 393 |
| | 62 | 340 | 22.66 | 13000 | 2.3 | **TKA 68** | **MY 100M4** | 394 |
| | 73 | 285 | 19.30 | 13000 | 2.6 | **TKAF 68** | **MY 100M4** | 393 |
| | 80 | 260 | 17.54 | 13000 | 2.8 | | | |
| | 93 | 225 | 15.19 | 13000 | 3.1 | | | |
| | 107 | 197 | 13.22 | 13000 | 3.4 | | | |
| | 113 | 186 | 12.48 | 13000 | 2.9 | | | |
| | 133 | 158 | 10.63 | 13000 | 3.2 | | | |
| | 146 | 144 | 9.66 | 13000 | 3.3 | | | |
| | 169 | 125 | 8.37 | 13000 | 3.5 | | | |
| | 194 | 109 | 7.28 | 12700 | 3.9 | | | |
| | 271 | 78 | 5.20 | 11700 | 4.5 | | | |
| | 32 | 660 | 44.43 | 5100 | 0.90 | **TK 58** | **MY 100M4** | 388 |
| | 37 | 575 | 38.49 | 7850 | 1.05 | **TKF 58** | **MY 100M4** | 389 |
| | 39 | 530 | 35.70 | 8180 | 1.15 | **TKA 58** | **MY 100M4** | 390 |
| | 47 | 450 | 30.28 | 8250 | 1.35 | **TKAF 58** | **MY 100M4** | 389 |

| $P_{1n}$ [kW] | $n_2$ [r/min] | $M_{2n}$ [Nm] | i | $Fr_2$ [N] | fs |  |  | Page |
|---|---|---|---|---|---|---|---|---|
| **2.2** | 52 | 405 | 27.34 | 8160 | 1.45 | **TK 58** | **MY 100M4** | 388 |
| | 59 | 360 | 24.05 | 8030 | 1.65 | **TKF 58** | **MY 100M4** | 389 |
| | 62 | 340 | 22.71 | 7970 | 1.75 | **TKA 58** | **MY 100M4** | 390 |
| | 73 | 290 | 19.34 | 7760 | 2.0 | **TKAF 58** | **MY 100M4** | 389 |
| | 80 | 260 | 17.57 | 7630 | 2.1 | | | |
| | 93 | 225 | 15.22 | 7430 | 2.4 | | | |
| | 106 | 197 | 13.25 | 7220 | 2.6 | | | |
| | 118 | 178 | 11.92 | 6890 | 2.3 | | | |
| | 125 | 168 | 11.26 | 6810 | 2.5 | | | |
| | 54 | 385 | 25.91 | 5260 | 1.05 | **TK 48** | **MY 100M4** | 384 |
| | 65 | 325 | 21.81 | 5260 | 1.25 | **TKF 48** | **MY 100M4** | 385 |
| | 72 | 290 | 19.58 | 5240 | 1.35 | **TKA 48** | **MY 100M4** | 386 |
| | | | | | | **TKAF 48** | **MY 100M4** | 385 |
| | 84 | 250 | 16.86 | 5190 | 1.50 | **TK 48** | **MY 100M4** | 384 |
| | 89 | 235 | 15.86 | 5160 | 1.60 | **TKF 48** | **MY 100M4** | 385 |
| | 103 | 205 | 13.65 | 5070 | 1.75 | **TKA 48** | **MY 100M4** | 386 |
| | 116 | 182 | 12.19 | 4990 | 1.95 | **TKAF 48** | **MY 100M4** | 385 |
| | 120 | 175 | 11.77 | 4890 | 1.60 | | | |
| | 133 | 157 | 10.56 | 4810 | 1.80 | | | |
| | 155 | 136 | 9.10 | 4690 | 2.1 | | | |
| | 108 | 195 | 13.08 | 2370 | 0.85 | **TK 38** | **MY 100M4** | 380 |
| | 134 | 156 | 10.49 | 2430 | 1.00 | **TKF 38** | **MY 100M4** | 381 |
| | 158 | 133 | 8.91 | 2440 | 1.20 | **TKA 38** | **MY 100M4** | 382 |
| | 177 | 119 | 7.96 | 2430 | 1.30 | **TKAF 38** | **MY 100M4** | 381 |
| | 207 | 101 | 6.80 | 2410 | 1.50 | | | |
| | 221 | 95 | 6.37 | 2400 | 1.55 | | | |
| | 263 | 80 | 5.36 | 2350 | 1.75 | | | |
| | 354 | 59 | 3.98 | 2250 | 2.1 | | | |
| **3.0** | 0.50 | 50800 | 2818 | 190000 | 1.00 | **TK 188 / TRF98** | **MY 100L4** | 424 |
| | | | | | | **TKH 188 / TRF98** | **MY 100L4** | 424 |
| | 0.46 | 57500 | 3062 | 190000 | 0.85 | **TK 188 / TRF98** | **MY 100L4** | 424 |
| | 0.56 | 47100 | 2519 | 190000 | 1.05 | **TKH 188 / TRF98** | **MY 100L4** | 424 |
| | 0.62 | 42200 | 2268 | 190000 | 1.20 | | | |
| | 0.68 | 38100 | 2054 | 190000 | 1.30 | | | |
| | 0.77 | 33600 | 1821 | 190000 | 1.50 | | | |
| | 0.87 | 29800 | 1605 | 190000 | 1.70 | | | |
| | 1.0 | 25500 | 1395 | 190000 | 1.95 | | | |
| | 1.2 | 22100 | 1196 | 190000 | 2.3 | | | |
| | 0.82 | 31900 | 1704 | 150000 | 1.00 | **TK 168 / TRF98** | **MY 100L4** | 424 |
| | 0.99 | 26400 | 1408 | 150000 | 1.20 | **TKH 168 / TRF98** | **MY 100L4** | 424 |
| | 1.1 | 24300 | 1296 | 150000 | 1.30 | | | |
| | 1.3 | 20300 | 1101 | 150000 | 1.55 | | | |
| | 1.5 | 17500 | 944 | 150000 | 1.85 | | | |
| | 1.7 | 15400 | 843 | 150000 | 2.1 | | | |
| | 1.9 | 13900 | 757 | 150000 | 2.3 | | | |
| | 1.1 | 22900 | 1229 | 109300 | 0.80 | **TK 158 / TRF98** | **MY 100L4** | 424 |
| | 1.3 | 20400 | 1093 | 110900 | 0.90 | **TKF 158 / TRF98** | **MY 100L4** | 424 |
| | 1.5 | 17600 | 942 | 112400 | 1.05 | **TKA 158 / TRF98** | **MY 100L4** | 424 |
| | 1.6 | 15800 | 854 | 113200 | 1.15 | **TKAF 158 / TRF98** | **MY 100L4** | 424 |
| | 1.9 | 13800 | 756 | 114000 | 1.30 | | | |
| | 2.5 | 10500 | 567 | 115200 | 1.70 | | | |
| | 2.8 | 9310 | 504 | 115500 | 1.95 | | | |
| | 2.6 | 9980 | 536 | 80700 | 1.30 | **TK 128 / TRF88** | **MY 100L4** | 424 |
| | 3.0 | 8760 | 473 | 81200 | 1.50 | **TKF 128 / TRF88** | **MY 100L4** | 424 |
| | 3.4 | 7870 | 418 | 81500 | 1.65 | **TKA 128 / TRF88** | **MY 100L4** | 424 |
| | 3.8 | 6880 | 367 | 81800 | 1.90 | **TKAF 128 / TRF88** | **MY 100L4** | 424 |
| | 4.2 | 6170 | 330 | 82000 | 2.1 | | | |
| | 4.9 | 5300 | 287 | 82200 | 2.5 | | | |
| | 1.8 | 14800 | 790 | 76300 | 0.90 | **TK 128 / TRF78** | **MY 100L4** | 424 |
| | 2.0 | 13300 | 704 | 79000 | 1.00 | **TKF 128 / TRF78** | **MY 100L4** | 424 |
| | 2.3 | 11500 | 610 | 80000 | 1.15 | **TKA 128 / TRF78** | **MY 100L4** | 424 |
| | 2.6 | 10400 | 549 | 80500 | 1.25 | **TKAF 128 / TRF78** | **MY 100L4** | 424 |

| $P_{1n}$ [kW] | $n_2$ [r/min] | $M_{2n}$ [Nm] | i | $Fr_2$ [N] | fs |  |  | Page |
|---|---|---|---|---|---|---|---|---|
| **3.0** | 2.9 | 8970 | 477 | 81100 | 1.45 | **TK 128 / TRF78** | **MY 100L4** | 424 |
| | 3.4 | 7900 | 418 | 81500 | 1.65 | **TKF 128 / TRF78** | **MY 100L4** | 424 |
| | | | | | | **TKA 128 / TRF78** | **MY 100L4** | 424 |
| | | | | | | **TKAF 128 / TRF78** | **MY 100L4** | 424 |
| | 3.0 | 8660 | 461 | 65000 | 0.90 | **TK 108 / TRF78** | **MY 100L4** | 424 |
| | 3.4 | 7660 | 408 | 65000 | 1.05 | **TKF 108 / TRF78** | **MY 100L4** | 424 |
| | 3.9 | 6870 | 364 | 65000 | 1.15 | **TKA 108 / TRF78** | **MY 100L4** | 424 |
| | 4.4 | 6000 | 318 | 65000 | 1.35 | **TKAF 108 / TRF78** | **MY 100L4** | 424 |
| | 4.9 | 5400 | 286 | 65000 | 1.50 | | | |
| | 5.6 | 4730 | 251 | 65000 | 1.70 | | | |
| | 6.3 | 4170 | 222 | 65000 | 1.90 | | | |
| | 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 | | | |
| | 5.4 | 4930 | 258 | 40000 | 0.85 | **TK 98 / TRF58** | **MY 100L4** | 424 |
| | 6.0 | 4440 | 232 | 40000 | 0.95 | **TKF 98 / TRF58** | **MY 100L4** | 424 |
| | 7.0 | 3810 | 199 | 40000 | 1.15 | **TKA 98 / TRF58** | **MY 100L4** | 424 |
| | | | | | | **TKAF 98 / TRF58** | **MY 100L4** | 424 |
| | 5.0 | 5710 | 143.47* | 65000 | 1.40 | **TK 108** | **MY 132M8** | 408 |
| | 5.9 | 4830 | 121.46 | 65000 | 1.65 | **TKF 108** | **MY 132M8** | 409 |
| | 6.4 | 4470 | 112.41* | 65000 | 1.80 | **TKA 108** | **MY 132M8** | 410 |
| | 7.2 | 4010 | 100.75 | 65000 | 2.0 | **TKAF 108** | **MY 132M8** | 409 |
| | 7.9 | 3620 | 90.96* | 65000 | 2.2 | | | |
| | 6.5 | 4370 | 143.47* | 65000 | 1.85 | **TK 108** | **MY 132S6** | 408 |
| | 7.7 | 3700 | 121.46 | 65000 | 2.2 | **TKF 108** | **MY 132S6** | 409 |
| | 8.4 | 3430 | 112.41* | 65000 | 2.3 | **TKA 108** | **MY 132S6** | 410 |
| | 9.3 | 3070 | 100.75 | 65000 | 2.6 | **TKAF 108** | **MY 132S6** | 409 |
| | 9.8 | 2940 | 143.47* | 65000 | 2.7 | **TK 108** | **MY 100L4** | 408 |
| | 12 | 2490 | 121.46 | 65000 | 3.2 | **TKF 108** | **MY 100L4** | 409 |
| | | | | | | **TKA 108** | **MY 100L4** | 410 |
| | | | | | | **TKAF 108** | **MY 100L4** | 409 |
| | 7.6 | 3780 | 123.93* | 40000 | 1.15 | **TK 98** | **MY 132S6** | 404 |
| | 8.9 | 3200 | 105.13 | 40000 | 1.35 | **TKF 98** | **MY 132S6** | 405 |
| | 9.7 | 2950 | 96.80 | 40000 | 1.45 | **TKA 98** | **MY 132S6** | 406 |
| | 11 | 2640 | 86.52 | 40000 | 1.65 | **TKAF 98** | **MY 132S6** | 405 |
| | 8.0 | 3600 | 176.05* | 40000 | 1.20 | **TK 98** | **MY 100L4** | 404 |
| | 9.1 | 3140 | 153.21* | 40000 | 1.35 | **TKF 98** | **MY 100L4** | 405 |
| | 10 | 2870 | 140.28 | 40000 | 1.50 | **TKA 98** | **MY 100L4** | 406 |
| | 11 | 2540 | 123.93* | 40000 | 1.70 | **TKAF 98** | **MY 100L4** | 405 |
| | 13 | 2150 | 105.13 | 40000 | 2.0 | **TK 98** | **MY 100L4** | 404 |
| | 14 | 1980 | 96.80 | 40000 | 2.2 | **TKF 98** | **MY 100L4** | 405 |
| | 16 | 1770 | 86.52 | 40000 | 2.4 | **TKA 98** | **MY 100L4** | 406 |
| | 18 | 1590 | 77.89* | 40000 | 2.7 | **TKAF 98** | **MY 100L4** | 405 |
| | 20 | 1440 | 70.54 | 40000 | 3.0 | | | |
| | 22 | 1280 | 62.55 | 40000 | 3.4 | | | |
| | 25 | 1160 | 56.55 | 40000 | 3.7 | | | |
| | 9.5 | 3010 | 147.32* | 26900 | 0.90 | **TK 88** | **MY 100L4** | 400 |
| | 11 | 2600 | 126.91* | 27400 | 1.05 | **TKF 88** | **MY 100L4** | 401 |
| | 12 | 2370 | 115.82 | 27700 | 1.15 | **TKA 88** | **MY 100L4** | 402 |
| | 14 | 2100 | 102.71* | 28000 | 1.30 | **TKAF 88** | **MY 100L4** | 401 |
| | 16 | 1770 | 86.34 | 28300 | 1.55 | **TK 88** | **MY 100L4** | 400 |
| | 18 | 1620 | 79.34 | 28400 | 1.65 | **TKF 88** | **MY 100L4** | 401 |
| | 20 | 1440 | 70.46 | 28500 | 1.85 | **TKA 88** | **MY 100L4** | 402 |
| | 22 | 1290 | 63.00* | 28600 | 2.1 | **TKAF 88** | **MY 100L4** | 401 |
| | 25 | 1160 | 56.64 | 28700 | 2.3 | | | |
| | 28 | 1010 | 49.16 | 28800 | 2.7 | | | |
| | 32 | 900 | 44.02 | 28800 | 2.9 | | | |
| | 38 | 745 | 36.52* | 28400 | 3.4 | | | |
| | 16 | 1820 | 88.97 | 13100 | 0.85 | **TK 78** | **MY 100L4** | 396 |
| | 18 | 1600 | 78.07 | 15000 | 0.95 | **TKF 78** | **MY 100L4** | 397 |
| | 19 | 1510 | 73.99 | 15600 | 1.00 | **TKA 78** | **MY 100L4** | 398 |
| | 22 | 1330 | 64.75 | 16800 | 1.15 | **TKAF 78** | **MY 100L4** | 397 |

| $P_{1n}$ [kW] | $n_2$ [r/min] | $M_{2n}$ [Nm] | i | $Fr_2$ [N] | fs |  |  | Page |
|---|---|---|---|---|---|---|---|---|
| **3.0** | 24 | 1190 | 58.34 | 17500 | 1.30 | **TK 78** | **MY 100L4** | 396 |
| | 27 | 1050 | 51.18 | 18100 | 1.50 | **TKF 78** | **MY 100L4** | 397 |
| | | | | | | **TKA 78** | **MY 100L4** | 398 |
| | | | | | | **TKAF 78** | **MY 100L4** | 397 |
| | 31 | 920 | 45.16 | 18600 | 1.70 | **TK 78** | **MY 100L4** | 396 |
| | 35 | 820 | 40.04 | 18900 | 1.90 | **TKF 78** | **MY 100L4** | 397 |
| | 40 | 720 | 35.20 | 19200 | 2.2 | **TKA 78** | **MY 100L4** | 398 |
| | 45 | 630 | 30.89 | 19400 | 2.5 | **TKAF 78** | **MY 100L4** | 397 |
| | 32 | 910 | 44.32 | 9450 | 0.90 | **TK 68** | **MY 100L4** | 392 |
| | 36 | 785 | 38.39 | 10600 | 1.00 | **TKF 68** | **MY 100L4** | 393 |
| | 39 | 730 | 35.62 | 11100 | 1.15 | **TKA 68** | **MY 100L4** | 394 |
| | 46 | 620 | 30.22 | 11800 | 1.35 | **TKAF 68** | **MY 100L4** | 393 |
| | 51 | 560 | 27.28 | 12100 | 1.45 | | | |
| | 58 | 490 | 24.00 | 12500 | 1.65 | | | |
| | 62 | 465 | 22.66 | 12600 | 1.70 | **TK 68** | **MY 100L4** | 392 |
| | 73 | 395 | 19.30 | 12800 | 1.95 | **TKF 68** | **MY 100L4** | 393 |
| | 80 | 360 | 17.54 | 13000 | 2.1 | **TKA 68** | **MY 100L4** | 394 |
| | 92 | 310 | 15.19 | 13000 | 2.3 | **TKAF 68** | **MY 100L4** | 393 |
| | 106 | 270 | 13.22 | 13000 | 2.5 | **TK 68** | **MY 100L4** | 392 |
| | 112 | 255 | 12.48 | 13000 | 2.1 | **TKF 68** | **MY 100L4** | 393 |
| | 132 | 220 | 10.63 | 13000 | 2.3 | **TKA 68** | **MY 100L4** | 394 |
| | 145 | 198 | 9.66 | 13000 | 2.4 | **TKAF 68** | **MY 100L4** | 393 |
| | 46 | 620 | 30.28 | 7180 | 0.95 | **TK 58** | **MY 100L4** | 388 |
| | 51 | 560 | 27.34 | 7190 | 1.05 | **TKF 58** | **MY 100L4** | 389 |
| | 58 | 490 | 24.05 | 7180 | 1.20 | **TKA 58** | **MY 100L4** | 390 |
| | | | | | | **TKAF 58** | **MY 100L4** | 389 |
| | 62 | 465 | 22.71 | 7160 | 1.30 | **TK 58** | **MY 100L4** | 388 |
| | 72 | 395 | 19.34 | 7080 | 1.45 | **TKF 58** | **MY 100L4** | 389 |
| | 80 | 360 | 17.57 | 7020 | 1.55 | **TKA 58** | **MY 100L4** | 390 |
| | 92 | 310 | 15.22 | 6890 | 1.70 | **TKAF 58** | **MY 100L4** | 389 |
| | 106 | 270 | 13.25 | 6750 | 1.90 | | | |
| | 117 | 245 | 11.92 | 6420 | 1.70 | | | |
| | 124 | 230 | 11.26 | 6370 | 1.80 | | | |
| | 146 | 196 | 9.59 | 6200 | 2.1 | | | |
| | 161 | 178 | 8.71 | 6090 | 2.2 | | | |
| | 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 | **TK 48** | **MY 100L4** | 384 |
| | 83 | 345 | 16.86 | 4490 | 1.10 | **TKF 48** | **MY 100L4** | 385 |
| | 88 | 325 | 15.86 | 4500 | 1.15 | **TKA 48** | **MY 100L4** | 386 |
| | | | | | | **TKAF 48** | **MY 100L4** | 385 |
| | 103 | 280 | 13.65 | 4510 | 1.30 | **TK 48** | **MY 100L4** | 384 |
| | 115 | 250 | 12.19 | 4490 | 1.40 | **TKF 48** | **MY 100L4** | 385 |
| | 119 | 240 | 11.77 | 4370 | 1.15 | **TKA 48** | **MY 100L4** | 386 |
| | 133 | 215 | 10.56 | 4350 | 1.30 | **TKAF 48** | **MY 100L4** | 385 |
| | 154 | 186 | 9.10 | 4290 | 1.50 | | | |
| | 164 | 175 | 8.56 | 4270 | 1.55 | | | |
| | 190 | 151 | 7.36 | 4190 | 1.65 | | | |
| | 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 | **TK 38** | **MY 100L4** | 380 |
| | 176 | 163 | 7.96 | 2040 | 0.95 | **TKF 38** | **MY 100L4** | 381 |
| | 206 | 139 | 6.80 | 2080 | 1.10 | **TKA 38** | **MY 100L4** | 382 |
| | 220 | 130 | 6.37 | 2080 | 1.10 | **TKAF 38** | **MY 100L4** | 381 |
| | 261 | 110 | 5.36 | 2090 | 1.30 | | | |
| | 352 | 81 | 3.98 | 2050 | 1.55 | | | |
| **4.0** | 1.7 | 20100 | 835 | 190000 | 2.5 | **TK 188 / TRF108** | **MY 112M4** | 424 |
| | 2.7 | 12600 | 520 | 190000 | 4.0 | **TKH 188 / TRF108** | **MY 112M4** | 424 |
| | 0.56 | 62200 | 2519 | 190000 | 0.80 | **TK 188 / TRF98** | **MY 112M4** | 424 |
| | 0.63 | 55900 | 2268 | 190000 | 0.90 | **TKH 188 / TRF98** | **MY 112M4** | 424 |

| $P_{1n}$ [kW] | $n_2$ [r/min] | $M_{2n}$ [Nm] | i | $Fr_2$ [N] | fs |  |  | Page |
|---|---|---|---|---|---|---|---|---|
| **4.0** | 0.69 | 50500 | 2054 | 190000 | 1.00 | **TK 188 / TRF98** | **MY 112M4** | 424 |
| | 0.78 | 44600 | 1821 | 190000 | 1.10 | **TKH 188 / TRF98** | **MY 112M4** | 424 |
| | 0.88 | 39400 | 1605 | 190000 | 1.25 | | | |
| | 1.0 | 33900 | 1395 | 190000 | 1.50 | | | |
| | 1.2 | 29300 | 1196 | 190000 | 1.70 | | | |
| | 1.4 | 25600 | 1046 | 190000 | 1.95 | | | |
| | 1.5 | 23100 | 945 | 190000 | 2.2 | | | |
| | 1.0 | 34900 | 1408 | 150000 | 0.90 | **TK 168 / TRF98** | **MY 112M4** | 424 |
| | 1.1 | 32100 | 1296 | 150000 | 1.00 | **TKH 168 / TRF98** | **MY 112M4** | 424 |
| | 1.3 | 26900 | 1101 | 150000 | 1.20 | | | |
| | 1.5 | 23200 | 944 | 150000 | 1.40 | | | |
| | 1.7 | 20500 | 843 | 150000 | 1.55 | | | |
| | 1.9 | 18500 | 757 | 150000 | 1.75 | **TK 168 / TRF98** | **MY 112M4** | 424 |
| | 2.2 | 15500 | 632 | 150000 | 2.1 | **TKH 168 / TRF98** | **MY 112M4** | 424 |
| | 1.7 | 21000 | 854 | 110600 | 0.85 | **TK 158 / TRF98** | **MY 112M4** | 424 |
| | 1.9 | 18300 | 756 | 112000 | 1.00 | **TKF 158 / TRF98** | **MY 112M4** | 424 |
| | 2.5 | 13900 | 567 | 114000 | 1.30 | **TKA 158 / TRF98** | **MY 112M4** | 424 |
| | 2.8 | 12300 | 504 | 114600 | 1.45 | **TKAF 158 / TRF98** | **MY 112M4** | 424 |
| | 3.3 | 10500 | 434 | 115100 | 1.70 | | | |
| | 2.6 | 13200 | 536 | 79100 | 1.00 | **TK 128 / TRF88** | **MY 112M4** | 424 |
| | 3.0 | 11600 | 473 | 79900 | 1.10 | **TKF 128 / TRF88** | **MY 112M4** | 424 |
| | 3.4 | 10400 | 418 | 80500 | 1.25 | **TKA 128 / TRF88** | **MY 112M4** | 424 |
| | 3.9 | 9090 | 367 | 81100 | 1.45 | **TKAF 128 / TRF88** | **MY 112M4** | 424 |
| | 4.3 | 8160 | 330 | 81400 | 1.60 | | | |
| | 5.0 | 7020 | 287 | 81800 | 1.85 | | | |
| | 5.6 | 6210 | 253 | 82000 | 2.1 | | | |
| | 2.3 | 15200 | 610 | 75600 | 0.85 | **TK 128 / TRF78** | **MY 112M4** | 424 |
| | 2.6 | 13700 | 549 | 78600 | 0.95 | **TKF 128 / TRF78** | **MY 112M4** | 424 |
| | 3.0 | 11800 | 477 | 79800 | 1.10 | **TKA 128 / TRF78** | **MY 112M4** | 424 |
| | 3.4 | 10400 | 418 | 80500 | 1.25 | **TKAF 128 / TRF78** | **MY 112M4** | 424 |
| | 3.9 | 9050 | 364 | 65000 | 0.90 | **TK 108 / TRF78** | **MY 112M4** | 424 |
| | 4.5 | 7910 | 318 | 65000 | 1.00 | **TKF 108 / TRF78** | **MY 112M4** | 424 |
| | 5.0 | 7120 | 286 | 65000 | 1.10 | **TKA 108 / TRF78** | **MY 112M4** | 424 |
| | 5.7 | 6240 | 251 | 65000 | 1.30 | **TKAF 108 / TRF78** | **MY 112M4** | 424 |
| | 6.4 | 5500 | 222 | 65000 | 1.45 | | | |
| | 7.2 | 4870 | 196 | 65000 | 1.65 | | | |
| | 8.2 | 4360 | 174 | 65000 | 1.65 | | | |
| | 9.2 | 3860 | 154 | 65000 | 1.85 | | | |
| | 10 | 3500 | 140 | 65000 | 2.1 | | | |
| | 7.1 | 5020 | 199 | 39900 | 0.85 | **TK 98 / TRF58** | **MY 112M4** | 424 |
| | | | | | | **TKF 98 / TRF58** | **MY 112M4** | 424 |
| | | | | | | **TKA 98 / TRF58** | **MY 112M4** | 424 |
| | | | | | | **TKAF 98 / TRF58** | **MY 112M4** | 424 |
| | 5.3 | 7220 | 136.14 | 81700 | 1.80 | **TK 128** | **MY 132ML8** | 412 |
| | 5.9 | 6500 | 122.48 | 81900 | 2.0 | **TKF 128** | **MY 132ML8** | 413 |
| | 6.5 | 5850 | 110.18 | 82100 | 2.2 | **TKA 128** | **MY 132ML8** | 414 |
| | | | | | | **TKAF 128** | **MY 132ML8** | 413 |
| | 6.6 | 5810 | 146.07 | 82100 | 2.2 | **TK 128** | **MY 132M6** | 412 |
| | 7.0 | 5420 | 136.14 | 82200 | 2.4 | **TKF 128** | **MY 132M6** | 413 |
| | 7.8 | 4870 | 122.48 | 82300 | 2.7 | **TKA 128** | **MY 132M6** | 414 |
| | 8.7 | 4380 | 110.18 | 82400 | 3.0 | **TKAF 128** | **MY 132M6** | 413 |
| | 6.4 | 5960 | 112.41* | 65000 | 1.35 | **TK 108** | **MY 132ML8** | 408 |
| | 7.2 | 5340 | 100.75 | 65000 | 1.50 | **TKF 108** | **MY 132ML8** | 409 |
| | 7.9 | 4830 | 90.96* | 65000 | 1.65 | **TKA 108** | **MY 132ML8** | 410 |
| | 8.7 | 4380 | 82.61 | 65000 | 1.85 | **TKAF 108** | **MY 132ML8** | 409 |
| | 6.7 | 5710 | 143.47* | 65000 | 1.40 | **TK 108** | **MY 132M6** | 408 |
| | 7.9 | 4830 | 121.46 | 65000 | 1.65 | **TKF 108** | **MY 132M6** | 409 |
| | 8.5 | 4470 | 112.41* | 65000 | 1.80 | **TKA 108** | **MY 132M6** | 410 |
| | 9.5 | 4010 | 100.75 | 65000 | 2.0 | **TKAF 108** | **MY 132M6** | 409 |
| | 11 | 3620 | 90.96* | 65000 | 2.2 | | | |

| $P_{1n}$ [kW] | $n_2$ [r/min] | $M_{2n}$ [Nm] | i | $Fr_2$ [N] | fs |  |  | Page  |
|---|---|---|---|---|---|---|---|---|
| **4.0** | 9.9 | 3860 | 143.47* | 65000 | 2.1 | **TK 108** | **MY 112M4** | 408 |
| | 12 | 3270 | 121.46 | 65000 | 2.5 | **TKF 108** | **MY 112M4** | 409 |
| | 13 | 3020 | 112.41* | 65000 | 2.7 | **TKA 108** | **MY 112M4** | 410 |
| | 14 | 2710 | 100.75 | 65000 | 3.0 | **TKAF 108** | **MY 112M4** | 409 |
| | 16 | 2450 | 90.96* | 65000 | 3.3 | | | |
| | 17 | 2220 | 82.61 | 65000 | 3.6 | | | |
| | 19 | 1970 | 73.30 | 65000 | 4.1 | | | |
| | 9.3 | 4120 | 153.21* | 40000 | 1.05 | **TK 98** | **MY 112M4** | 404 |
| | 10 | 3770 | 140.28 | 40000 | 1.15 | **TKF 98** | **MY 112M4** | 405 |
| | 11 | 3330 | 123.93* | 40000 | 1.30 | **TKA 98** | **MY 112M4** | 406 |
| | | | | | | **TKAF 98** | **MY 112M4** | 405 |
| | 14 | 2830 | 105.13 | 40000 | 1.50 | **TK 98** | **MY 112M4** | 404 |
| | 15 | 2600 | 96.80 | 40000 | 1.65 | **TKF 98** | **MY 112M4** | 405 |
| | 16 | 2330 | 86.52 | 40000 | 1.85 | **TKA 98** | **MY 112M4** | 406 |
| | 18 | 2100 | 77.89* | 40000 | 2.1 | **TKAF 98** | **MY 112M4** | 405 |
| | 20 | 1900 | 70.54 | 40000 | 2.3 | | | |
| | 12 | 3120 | 115.82 | 26700 | 0.85 | **TK 88** | **MY 112M4** | 400 |
| | 14 | 2760 | 102.71* | 27200 | 1.00 | **TKF 88** | **MY 112M4** | 401 |
| | 16 | 2320 | 86.34 | 27700 | 1.15 | **TKA 88** | **MY 112M4** | 402 |
| | 18 | 2130 | 79.34 | 27900 | 1.25 | **TKAF 88** | **MY 112M4** | 401 |
| | 20 | 1900 | 70.46 | 28200 | 1.40 | **TK 88** | **MY 112M4** | 400 |
| | 23 | 1690 | 63.00* | 28300 | 1.60 | **TKF 88** | **MY 112M4** | 401 |
| | 25 | 1520 | 56.64 | 28500 | 1.75 | **TKA 88** | **MY 112M4** | 402 |
| | 29 | 1320 | 49.16 | 28600 | 2.0 | **TKAF 88** | **MY 112M4** | 401 |
| | 32 | 1180 | 44.02 | 28300 | 2.2 | | | |
| | 39 | 980 | 36.52* | 27300 | 2.5 | | | |
| | 22 | 1740 | 64.75 | 13900 | 0.90 | **TK 78** | **MY 112M4** | 396 |
| | 24 | 1570 | 58.34 | 15200 | 1.00 | **TKF 78** | **MY 112M4** | 397 |
| | 28 | 1380 | 51.18 | 16500 | 1.15 | **TKA 78** | **MY 112M4** | 398 |
| | 31 | 1210 | 45.16 | 17400 | 1.30 | **TKAF 78** | **MY 112M4** | 397 |
| | 35 | 1080 | 40.04 | 18000 | 1.45 | | | |
| | 37 | 1030 | 38.39 | 18200 | 1.45 | | | |
| | 40 | 950 | 35.20 | 18500 | 1.65 | **TK 78** | **MY 112M4** | 396 |
| | 46 | 830 | 30.89 | 18900 | 1.85 | **TKF 78** | **MY 112M4** | 397 |
| | 49 | 785 | 29.27 | 19000 | 1.95 | **TKA 78** | **MY 112M4** | 398 |
| | 55 | 690 | 25.62 | 19300 | 2.3 | **TKAF 78** | **MY 112M4** | 397 |
| | 62 | 620 | 23.08 | 19500 | 2.5 | | | |
| | 70 | 545 | 20.25 | 19600 | 2.8 | | | |
| | 47 | 810 | 30.22 | 10400 | 1.00 | **TK 68** | **MY 112M4** | 392 |
| | 52 | 735 | 27.28 | 11000 | 1.10 | **TKF 68** | **MY 112M4** | 393 |
| | 59 | 645 | 24.00 | 11600 | 1.25 | **TKA 68** | **MY 112M4** | 394 |
| | 63 | 610 | 22.66 | 11800 | 1.30 | **TKAF 68** | **MY 112M4** | 393 |
| | 74 | 520 | 19.30 | 12300 | 1.45 | **TK 68** | **MY 112M4** | 392 |
| | 81 | 470 | 17.54 | 12500 | 1.55 | **TKF 68** | **MY 112M4** | 393 |
| | 94 | 410 | 15.19 | 12800 | 1.70 | **TKA 68** | **MY 112M4** | 394 |
| | 107 | 355 | 13.22 | 13000 | 1.90 | **TKAF 68** | **MY 112M4** | 393 |
| | 114 | 335 | 12.48 | 13000 | 1.60 | | | |
| | 134 | 285 | 10.63 | 13000 | 1.75 | | | |
| | 147 | 260 | 9.66 | 12900 | 1.85 | | | |
| | 170 | 225 | 8.37 | 12500 | 1.95 | | | |
| | 195 | 196 | 7.28 | 12100 | 2.1 | | | |
| | 273 | 140 | 5.20 | 11200 | 2.5 | | | |
| | 59 | 645 | 24.05 | 6120 | 0.95 | **TK 58** | **MY 112M4** | 388 |
| | 63 | 610 | 22.71 | 6160 | 1.00 | **TKF 58** | **MY 112M4** | 389 |
| | 73 | 520 | 19.34 | 6220 | 1.10 | **TKA 58** | **MY 112M4** | 390 |
| | 81 | 475 | 17.57 | 6230 | 1.15 | **TKAF 58** | **MY 112M4** | 389 |
| | 93 | 410 | 15.22 | 6210 | 1.30 | | | |
| | 107 | 355 | 13.25 | 6150 | 1.45 | | | |
| | 119 | 320 | 11.92 | 5810 | 1.30 | | | |
| | 126 | 305 | 11.26 | 5790 | 1.35 | | | |
| | 148 | 260 | 9.59 | 5700 | 1.55 | | | |

| $P_{1n}$ [kW] | $n_2$ [r/min] | $M_{2n}$ [Nm] | i | $Fr_2$ [N] | fs | | | | Page |
|---|---|---|---|---|---|---|---|---|---|
| **4.0** | 163 | 235 | 8.71 | 5640 | 1.65 | **TK** | **58** | **MY 112M4** | 388 |
| | 188 | 205 | 7.55 | 5530 | 1.80 | **TKF** | **58** | **MY 112M4** | 389 |
| | 216 | 177 | 6.57 | 5400 | 1.95 | **TKA** | **58** | **MY 112M4** | 390 |
| | 303 | 126 | 4.69 | 5070 | 2.4 | **TKAF** | **58** | **MY 112M4** | 389 |
| **5.5** | 0.79 | 61300 | 1821 | 190000 | 0.80 | **TK** | **188 / TRF98** | **MY 132S4** | 424 |
| | 0.89 | 54200 | 1605 | 190000 | 0.90 | **TKH** | **188 / TRF98** | **MY 132S4** | 424 |
| | 1.0 | 46700 | 1395 | 190000 | 1.05 | | | | |
| | 1.2 | 40300 | 1196 | 190000 | 1.25 | | | | |
| | 1.4 | 35200 | 1046 | 190000 | 1.40 | | | | |
| | 1.5 | 31700 | 945 | 190000 | 1.60 | | | | |
| | 1.9 | 24800 | 738 | 190000 | 2.0 | | | | |
| | 2.3 | 20800 | 621 | 190000 | 2.4 | | | | |
| | 1.3 | 37100 | 1101 | 150000 | 0.85 | **TK** | **168 / TRF98** | **MY 132S4** | 424 |
| | 1.5 | 31900 | 944 | 150000 | 1.00 | **TKH** | **168 / TRF98** | **MY 132S4** | 424 |
| | 1.7 | 28200 | 843 | 150000 | 1.15 | | | | |
| | 1.9 | 25400 | 757 | 150000 | 1.25 | | | | |
| | 2.3 | 21300 | 632 | 150000 | 1.50 | | | | |
| | 2.6 | 18700 | 561 | 150000 | 1.70 | | | | |
| | 3.0 | 16200 | 481 | 150000 | 2.0 | | | | |
| | 3.4 | 14100 | 423 | 150000 | 2.3 | | | | |
| | 2.2 | 22000 | 661 | 109900 | 0.80 | **TK** | **158 / TRF98** | **MY 132S4** | 424 |
| | 2.5 | 19100 | 567 | 111600 | 0.95 | **TKF** | **158 / TRF98** | **MY 132S4** | 424 |
| | 2.8 | 17000 | 504 | 112700 | 1.05 | **TKA** | **158 / TRF98** | **MY 132S4** | 424 |
| | 3.3 | 14500 | 434 | 113800 | 1.25 | **TKAF** | **158 / TRF98** | **MY 132S4** | 424 |
| | 3.8 | 12600 | 379 | 114500 | 1.45 | | | | |
| | 4.3 | 11100 | 333 | 115000 | 1.60 | | | | |
| | 3.4 | 14300 | 418 | 77400 | 0.90 | **TK** | **128 / TRF88** | **MY 132S4** | 424 |
| | 3.9 | 12500 | 367 | 79500 | 1.05 | **TKF** | **128 / TRF88** | **MY 132S4** | 424 |
| | 4.3 | 11200 | 330 | 80100 | 1.15 | **TKA** | **128 / TRF88** | **MY 132S4** | 424 |
| | 5.0 | 9650 | 287 | 80800 | 1.35 | **TKAF** | **128 / TRF88** | **MY 132S4** | 424 |
| | 5.6 | 8540 | 253 | 81300 | 1.50 | | | | |
| | 6.7 | 7170 | 213 | 81700 | 1.80 | | | | |
| | 7.1 | 6830 | 200 | 81800 | 1.75 | | | | |
| | 8.6 | 5660 | 166 | 82100 | 2.1 | | | | |
| | 9.8 | 4990 | 147 | 82300 | 2.4 | | | | |
| | 6.5 | 7540 | 222 | 65000 | 1.05 | **TK** | **108 / TRF78** | **MY 132S4** | 424 |
| | 7.3 | 6680 | 196 | 65000 | 1.20 | **TKF** | **108 / TRF78** | **MY 132S4** | 424 |
| | 8.2 | 5970 | 174 | 65000 | 1.20 | **TKA** | **108 / TRF78** | **MY 132S4** | 424 |
| | 9.3 | 5280 | 154 | 65000 | 1.35 | **TKAF** | **108 / TRF78** | **MY 132S4** | 424 |
| | 10 | 4800 | 140 | 65000 | 1.50 | | | | |
| | 4.7 | 11100 | 150.41 | 115000 | 1.60 | **TK** | **158** | **MY 160M8** | 416 |
| | 5.8 | 9050 | 122.39 | 115500 | 2.0 | **TKF** | **158** | **MY 160M8** | 417 |
| | 7.1 | 7410 | 100.22 | 115900 | 2.4 | **TKA** | **158** | **MY 160M8** | 418 |
| | 7.8 | 6780 | 91.65 | 116000 | 2.7 | **TKAF** | **158** | **MY 160M8** | 417 |
| | 5.2 | 10100 | 136.14 | 80700 | 1.30 | **TK** | **128** | **MY 160M8** | 412 |
| | 5.8 | 9060 | 122.48 | 81100 | 1.45 | **TKF** | **128** | **MY 160M8** | 413 |
| | 6.4 | 8150 | 110.18 | 81400 | 1.60 | **TKA** | **128** | **MY 160M8** | 414 |
| | 7.9 | 6650 | 89.89 | 81900 | 1.95 | **TKAF** | **128** | **MY 160M8** | 413 |
| | 7.0 | 7450 | 136.14 | 81600 | 1.75 | **TK** | **128** | **MY 132ML6** | 412 |
| | 7.8 | 6700 | 122.48 | 81900 | 1.95 | **TKF** | **128** | **MY 132ML6** | 413 |
| | 8.7 | 6030 | 110.18 | 82100 | 2.2 | **TKA** | **128** | **MY 132ML6** | 414 |
| | 11 | 4920 | 89.89 | 82300 | 2.6 | **TKAF** | **128** | **MY 132ML6** | 413 |
| | 8.5 | 6150 | 112.41* | 65000 | 1.30 | **TK** | **108** | **MY 132ML6** | 408 |
| | 9.5 | 5510 | 100.75 | 65000 | 1.45 | **TKF** | **108** | **MY 132ML6** | 409 |
| | 11 | 4980 | 90.96* | 65000 | 1.60 | **TKA** | **108** | **MY 132ML6** | 410 |
| | 12 | 4520 | 82.61 | 65000 | 1.75 | **TKAF** | **108** | **MY 132ML6** | 409 |
| | 10 | 5270 | 143.47* | 65000 | 1.50 | **TK** | **108** | **MY 132S4** | 408 |
| | 12 | 4460 | 121.46 | 65000 | 1.80 | **TKF** | **108** | **MY 132S4** | 409 |
| | 13 | 4130 | 112.41* | 65000 | 1.95 | **TKA** | **108** | **MY 132S4** | 410 |
| | 14 | 3700 | 100.75 | 65000 | 2.2 | **TKAF** | **108** | **MY 132S4** | 409 |
| | 16 | 3340 | 90.96* | 65000 | 2.4 | | | | |
| | 17 | 3030 | 82.61 | 65000 | 2.6 | | | | |

| $P_{1n}$ [kW] | $n_2$ [r/min] | $M_{2n}$ [Nm] | i | $Fr_2$ [N] | fs | | | | Page |
|---|---|---|---|---|---|---|---|---|---|
| **5.5** | 12 | 4550 | 123.93* | 40000 | 0.95 | **TK** | **98** | **MY 132S4** | 404 |
| | 14 | 3860 | 105.13 | 40000 | 1.10 | **TKF** | **98** | **MY 132S4** | 405 |
| | 15 | 3560 | 96.80 | 40000 | 1.20 | **TKA** | **98** | **MY 132S4** | 406 |
| | 17 | 3180 | 86.52 | 40000 | 1.35 | **TKAF** | **98** | **MY 132S4** | 405 |
| | 18 | 2860 | 77.89* | 40000 | 1.50 | **TK** | **98** | **MY 132S4** | 404 |
| | 20 | 2590 | 70.54 | 40000 | 1.65 | **TKF** | **98** | **MY 132S4** | 405 |
| | 23 | 2300 | 62.55 | 40000 | 1.85 | **TKA** | **98** | **MY 132S4** | 406 |
| | 25 | 2080 | 56.55 | 39700 | 2.1 | **TKAF** | **98** | **MY 132S4** | 405 |
| | 30 | 1760 | 47.93* | 38600 | 2.4 | | | | |
| | 17 | 3170 | 86.34 | 26600 | 0.85 | **TK** | **88** | **MY 132S4** | 400 |
| | 18 | 2910 | 79.34 | 27000 | 0.95 | **TKF** | **88** | **MY 132S4** | 401 |
| | 20 | 2590 | 70.46 | 27400 | 1.05 | **TKA** | **88** | **MY 132S4** | 402 |
| | 23 | 2310 | 63.00* | 27500 | 1.15 | **TKAF** | **88** | **MY 132S4** | 401 |
| | 25 | 2080 | 56.64 | 27300 | 1.30 | | | | |
| | 29 | 1810 | 49.16 | 26900 | 1.50 | **TK** | **88** | **MY 132S4** | 400 |
| | 32 | 1620 | 44.02 | 26500 | 1.60 | **TKF** | **88** | **MY 132S4** | 401 |
| | 39 | 1340 | 36.52* | 25800 | 1.85 | **TKA** | **88** | **MY 132S4** | 402 |
| | 46 | 1150 | 31.39 | 25200 | 2.3 | **TKAF** | **88** | **MY 132S4** | 401 |
| | 51 | 1020 | 27.88 | 24700 | 2.5 | | | | |
| | 32 | 1660 | 45.16 | 14600 | 0.95 | **TK** | **78** | **MY 132S4** | 396 |
| | 36 | 1470 | 40.04 | 15900 | 1.05 | **TKF** | **78** | **MY 132S4** | 397 |
| | 46 | 1130 | 30.89 | 17800 | 1.35 | **TKA** | **78** | **MY 132S4** | 398 |
| | 49 | 1070 | 29.27 | 18000 | 1.45 | **TKAF** | **78** | **MY 132S4** | 397 |
| | 56 | 940 | 25.62 | 18500 | 1.65 | | | | |
| | 62 | 850 | 23.08 | 18800 | 1.85 | **TK** | **78** | **MY 132S4** | 396 |
| | 71 | 745 | 20.25 | 19100 | 2.0 | **TKF** | **78** | **MY 132S4** | 397 |
| | 80 | 655 | 17.87 | 19400 | 2.2 | **TKA** | **78** | **MY 132S4** | 398 |
| | 90 | 580 | 15.84 | 19200 | 2.4 | **TKAF** | **78** | **MY 132S4** | 397 |
| | 106 | 495 | 13.52 | 18600 | 2.7 | | | | |
| | 116 | 455 | 12.36 | 17900 | 2.2 | | | | |
| | 132 | 400 | 10.84 | 17400 | 2.5 | | | | |
| | 60 | 880 | 24.00 | 9720 | 0.90 | **TK** | **68** | **MY 132S4** | 392 |
| | 63 | 830 | 22.66 | 10200 | 0.95 | **TKF** | **68** | **MY 132S4** | 393 |
| | 74 | 710 | 19.30 | 11200 | 1.05 | **TKA** | **68** | **MY 132S4** | 394 |
| | 82 | 645 | 17.54 | 11600 | 1.15 | **TKAF** | **68** | **MY 132S4** | 393 |
| | 94 | 560 | 15.19 | 12100 | 1.25 | | | | |
| | 108 | 485 | 13.22 | 12500 | 1.40 | | | | |
| | 115 | 460 | 12.48 | 12600 | 1.15 | **TK** | **68** | **MY 132S4** | 392 |
| | 135 | 390 | 10.63 | 12400 | 1.30 | **TKF** | **68** | **MY 132S4** | 393 |
| | 148 | 355 | 9.66 | 12200 | 1.35 | **TKA** | **68** | **MY 132S4** | 394 |
| | 171 | 305 | 8.37 | 11900 | 1.45 | **TKAF** | **68** | **MY 132S4** | 393 |
| | 196 | 265 | 7.28 | 11600 | 1.55 | | | | |
| | 275 | 191 | 5.20 | 10800 | 1.85 | | | | |
| **7.5** | 1.7 | 38200 | 835 | 190000 | 1.30 | **TK** | **188 / TRF108** | **MY 132M4** | 424 |
| | 2.0 | 33200 | 729 | 190000 | 1.50 | **TKH** | **188 / TRF108** | **MY 132M4** | 424 |
| | 2.3 | 28300 | 622 | 190000 | 1.75 | | | | |
| | 1.2 | 55200 | 1196 | 190000 | 0.90 | **TK** | **188 / TRF98** | **MY 132M4** | 424 |
| | 1.4 | 48200 | 1046 | 190000 | 1.05 | **TKH** | **188 / TRF98** | **MY 132M4** | 424 |
| | 1.5 | 43500 | 945 | 190000 | 1.15 | | | | |
| | 1.9 | 34000 | 738 | 190000 | 1.45 | | | | |
| | 2.3 | 28600 | 621 | 190000 | 1.75 | **TK** | **188 / TRF98** | **MY 132M4** | 424 |
| | 2.7 | 24200 | 527 | 190000 | 2.1 | **TKH** | **188 / TRF98** | **MY 132M4** | 424 |
| | 1.7 | 38700 | 843 | 150000 | 0.85 | **TK** | **168 / TRF98** | **MY 132M4** | 424 |
| | 1.9 | 34900 | 757 | 150000 | 0.90 | **TKH** | **168 / TRF98** | **MY 132M4** | 424 |
| | 2.3 | 29200 | 632 | 150000 | 1.10 | | | | |
| | 2.6 | 25600 | 561 | 150000 | 1.25 | | | | |
| | 3.0 | 22200 | 481 | 150000 | 1.45 | | | | |
| | 3.4 | 19400 | 423 | 150000 | 1.65 | | | | |
| | 3.9 | 16900 | 369 | 150000 | 1.90 | | | | |
| | 3.3 | 19900 | 434 | 111200 | 0.90 | **TK** | **158 / TRF98** | **MY 132M4** | 424 |
| | 3.8 | 17400 | 379 | 112500 | 1.05 | **TKF** | **158 / TRF98** | **MY 132M4** | 424 |
| | 4.3 | 15300 | 333 | 113500 | 1.20 | **TKA** | **158 / TRF98** | **MY 132M4** | 424 |
| | 4.9 | 13300 | 291 | 114200 | 1.35 | **TKAF** | **158 / TRF98** | **MY 132M4** | 424 |

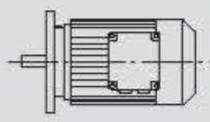
| $P_{1n}$ [kW] | $n_2$ [r/min] | $M_{2n}$ [Nm] | i | $Fr_2$ [N] | fs | | | Page |
|---|---|---|---|---|---|---|---|---|
| **7.5** | 4.3 | 15300 | 330 | 75300 | 0.85 | **TK** | **128 / TRF88** | **MY 132M4** | 424 |
| | 5.0 | 13200 | 287 | 79100 | 1.00 | **TKF** | **128 / TRF88** | **MY 132M4** | 424 |
| | 5.6 | 11700 | 253 | 79900 | 1.10 | **TKA** | **128 / TRF88** | **MY 132M4** | 424 |
| | 6.7 | 9830 | 213 | 80800 | 1.30 | **TKAF** | **128 / TRF88** | **MY 132M4** | 424 |
| | 7.1 | 9360 | 200 | 80900 | 1.30 | | | | |
| | 8.6 | 7750 | 166 | 81500 | 1.55 | | | | |
| | 9.8 | 6840 | 147 | 81800 | 1.75 | | | | |
| | 4.4 | 16400 | 164.50 | 150000 | 1.95 | **TK** | **168** | **MY 160L8** | 420 |
| | 5.3 | 13400 | 134.99 | 150000 | 2.4 | **TKH** | **168** | **MY 160L8** | 421 |
| | 5.8 | 12300 | 164.50 | 150000 | 2.6 | **TK** | **168** | **MY 160M6** | 420 |
| | 7.1 | 10100 | 134.99 | 150000 | 3.2 | **TKH** | **168** | **MY 160M6** | 421 |
| | 6.4 | 11200 | 150.41 | 114900 | 1.60 | **TK** | **158** | **MY 160M6** | 416 |
| | 7.8 | 9130 | 122.39 | 115500 | 1.95 | **TKF** | **158** | **MY 160M6** | 417 |
| | 9.6 | 7480 | 100.22 | 115900 | 2.4 | **TKA** | **158** | **MY 160M6** | 418 |
| | 10 | 6840 | 91.65 | 116000 | 2.6 | **TKAF** | **158** | **MY 160M6** | 417 |
| | 12 | 5950 | 79.75 | 116200 | 3.0 | | | | |
| | 7.0 | 10200 | 136.14 | 80600 | 1.30 | **TK** | **128** | **MY 160M6** | 412 |
| | 7.8 | 9140 | 122.48 | 81000 | 1.40 | **TKF** | **128** | **MY 160M6** | 413 |
| | 8.7 | 8220 | 110.18 | 81400 | 1.60 | **TKA** | **128** | **MY 160M6** | 414 |
| | 11 | 6710 | 89.89 | 81900 | 1.95 | **TKAF** | **128** | **MY 160M6** | 413 |
| | 9.8 | 7320 | 146.07 | 81700 | 1.80 | **TK** | **128** | **MY 132M4** | 412 |
| | 11 | 6820 | 136.14 | 81800 | 1.90 | **TKF** | **128** | **MY 132M4** | 413 |
| | 12 | 6130 | 122.48 | 82000 | 2.1 | **TKA** | **128** | **MY 132M4** | 414 |
| | 13 | 5520 | 110.18 | 82200 | 2.4 | **TKAF** | **128** | **MY 132M4** | 413 |
| | 16 | 4500 | 89.89 | 82400 | 2.9 | | | | |
| | 17 | 4110 | 81.98 | 82500 | 3.2 | | | | |
| | 20 | 3550 | 70.95* | 82600 | 3.7 | | | | |
| | 10 | 7190 | 143.47* | 65000 | 1.10 | **TK** | **108** | **MY 132M4** | 408 |
| | 12 | 6080 | 121.46 | 65000 | 1.30 | **TKF** | **108** | **MY 132M4** | 409 |
| | 13 | 5630 | 112.41* | 65000 | 1.40 | **TKA** | **108** | **MY 132M4** | 410 |
| | | | | | | **TKAF** | **108** | **MY 132M4** | 409 |
| | 14 | 5050 | 100.75 | 65000 | 1.60 | **TK** | **108** | **MY 132M4** | 408 |
| | 16 | 4560 | 90.96* | 64200 | 1.75 | **TKF** | **108** | **MY 132M4** | 409 |
| | 17 | 4140 | 82.61 | 63200 | 1.95 | **TKA** | **108** | **MY 132M4** | 410 |
| | 20 | 3670 | 73.30 | 61900 | 2.2 | **TKAF** | **108** | **MY 132M4** | 409 |
| | 22 | 3330 | 66.52* | 60900 | 2.4 | | | | |
| | 25 | 2860 | 57.17* | 59100 | 2.8 | | | | |
| | 29 | 2500 | 49.90 | 57500 | 3.1 | | | | |
| | 34 | 2120 | 42.33* | 55500 | 3.5 | | | | |
| | 39 | 1850 | 37.00* | 53800 | 3.9 | | | | |
| | 15 | 4850 | 96.80 | 38300 | 0.90 | **TK** | **98** | **MY 132M4** | 404 |
| | 17 | 4330 | 86.52 | 38300 | 1.00 | **TKF** | **98** | **MY 132M4** | 405 |
| | 18 | 3900 | 77.89* | 38100 | 1.10 | **TKA** | **98** | **MY 132M4** | 406 |
| | 20 | 3530 | 70.54 | 37900 | 1.20 | **TKAF** | **98** | **MY 132M4** | 405 |
| | 23 | 3130 | 62.55 | 37500 | 1.35 | | | | |
| | 25 | 2830 | 56.55 | 37100 | 1.50 | **TK** | **98** | **MY 132M4** | 404 |
| | 30 | 2400 | 47.93* | 36400 | 1.80 | **TKF** | **98** | **MY 132M4** | 405 |
| | 34 | 2100 | 41.87 | 35600 | 2.1 | **TKA** | **98** | **MY 132M4** | 406 |
| | 37 | 1920 | 38.30 | 35100 | 2.2 | **TKAF** | **98** | **MY 132M4** | 405 |
| | 42 | 1710 | 34.23 | 34400 | 2.5 | | | | |
| | 23 | 3160 | 63.00* | 24100 | 0.85 | **TK** | **88** | **MY 132M4** | 400 |
| | 25 | 2840 | 56.64 | 24200 | 0.95 | **TKF** | **88** | **MY 132M4** | 401 |
| | 29 | 2460 | 49.16 | 24200 | 1.10 | **TKA** | **88** | **MY 132M4** | 402 |
| | 32 | 2200 | 44.02 | 24200 | 1.20 | **TKAF** | **88** | **MY 132M4** | 401 |
| | 39 | 1830 | 36.52* | 23900 | 1.35 | | | | |
| | 46 | 1570 | 31.39 | 23500 | 1.70 | **TK** | **88** | **MY 132M4** | 400 |
| | 51 | 1400 | 27.88 | 23200 | 1.85 | **TKF** | **88** | **MY 132M4** | 401 |
| | 57 | 1250 | 24.92 | 22800 | 2.0 | **TKA** | **88** | **MY 132M4** | 402 |
| | 64 | 1120 | 22.41 | 22500 | 2.1 | **TKAF** | **88** | **MY 132M4** | 401 |
| | 74 | 970 | 19.45 | 21900 | 2.4 | | | | |
| | 82 | 870 | 17.42 | 21500 | 2.5 | | | | |
| | 89 | 800 | 16.00 | 20600 | 2.3 | | | | |
| | 99 | 725 | 14.45 | 20700 | 2.9 | | | | |

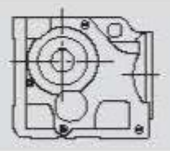
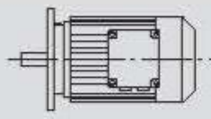
| $P_{1n}$ [kW] | $n_2$ [r/min] | $M_{2n}$ [Nm] | i | $Fr_2$ [N] | fs | | | | Page |
|---|---|---|---|---|---|---|---|---|---|
| **7.5** | 46 | 1550 | 30.89 | 15400 | 1.00 | **TK** | **78** | **MY 132M4** | 396 |
| | 49 | 1470 | 29.27 | 16000 | 1.05 | **TKF** | **78** | **MY 132M4** | 397 |
| | 56 | 1280 | 25.62 | 17000 | 1.20 | **TKA** | **78** | **MY 132M4** | 398 |
| | 62 | 1160 | 23.08 | 17700 | 1.35 | **TKAF** | **78** | **MY 132M4** | 397 |
| | 71 | 1010 | 20.25 | 18300 | 1.50 | | | | |
| | 80 | 890 | 17.87 | 18600 | 1.60 | **TK** | **78** | **MY 132M4** | 396 |
| | 90 | 795 | 15.84 | 18200 | 1.75 | **TKF** | **78** | **MY 132M4** | 397 |
| | 106 | 675 | 13.52 | 17800 | 2.0 | **TKA** | **78** | **MY 132M4** | 398 |
| | 116 | 620 | 12.36 | 17000 | 1.60 | **TKAF** | **78** | **MY 132M4** | 397 |
| | 132 | 545 | 10.84 | 16700 | 1.80 | | | | |
| | 150 | 480 | 9.56 | 16300 | 1.95 | | | | |
| | 169 | 425 | 8.48 | 15900 | 2.1 | | | | |
| | 198 | 365 | 7.24 | 15400 | 2.3 | | | | |
| **9.2** | 1.7 | 46700 | 835 | 190000 | 1.05 | **TK** | **188 / TRF108** | **MY 132ML4** | 424 |
| | 2.0 | 40600 | 729 | 190000 | 1.25 | **TKH** | **188 / TRF108** | **MY 132ML4** | 424 |
| | 2.3 | 34600 | 622 | 190000 | 1.45 | | | | |
| | 2.8 | 29400 | 520 | 190000 | 1.70 | | | | |
| | 3.2 | 25600 | 454 | 190000 | 1.95 | | | | |
| | 1.4 | 58900 | 1046 | 190000 | 0.85 | **TK** | **188 / TRF98** | **MY 132ML4** | 424 |
| | 1.5 | 53200 | 945 | 190000 | 0.95 | **TKH** | **188 / TRF98** | **MY 132ML4** | 424 |
| | 1.9 | 41600 | 738 | 190000 | 1.20 | | | | |
| | 2.3 | 34900 | 621 | 190000 | 1.45 | | | | |
| | 2.7 | 29500 | 527 | 190000 | 1.70 | | | | |
| | 4.5 | 18000 | 318 | 150000 | 1.80 | **TK** | **168 / TRF108** | **MY 132ML4** | 424 |
| | 5.2 | 15600 | 278 | 150000 | 2.1 | **TKH** | **168 / TRF108** | **MY 132ML4** | 424 |
| | 5.9 | 13500 | 244 | 150000 | 2.4 | | | | |
| | 6.8 | 11800 | 213 | 150000 | 2.7 | | | | |
| | 7.0 | 11500 | 206 | 150000 | 2.8 | | | | |
| | 2.3 | 35600 | 632 | 150000 | 0.90 | **TK** | **168 / TRF98** | **MY 132ML4** | 424 |
| | 2.6 | 31400 | 561 | 150000 | 1.00 | **TKH** | **168 / TRF98** | **MY 132ML4** | 424 |
| | 3.0 | 27100 | 481 | 150000 | 1.20 | | | | |
| | 3.4 | 23700 | 423 | 150000 | 1.35 | | | | |
| | 3.9 | 20700 | 369 | 150000 | 1.55 | | | | |
| | 3.7 | 21300 | 385 | 110400 | 0.85 | **TK** | **158 / TRF108** | **MY 132ML4** | 424 |
| | 4.4 | 17900 | 325 | 112300 | 1.00 | **TKF** | **158 / TRF108** | **MY 132ML4** | 424 |
| | 4.8 | 16600 | 299 | 112800 | 1.10 | **TKA** | **158 / TRF108** | **MY 132ML4** | 424 |
| | 5.7 | 14100 | 253 | 114000 | 1.30 | **TKAF** | **158 / TRF108** | **MY 132ML4** | 424 |
| | 6.2 | 12600 | 230 | 114500 | 1.40 | | | | |
| | 3.8 | 21200 | 379 | 110400 | 0.85 | **TK** | **158 / TRF98** | **MY 132ML4** | 424 |
| | 4.3 | 18700 | 333 | 111800 | 0.95 | **TKF** | **158 / TRF98** | **MY 132ML4** | 424 |
| | 5.0 | 16300 | 291 | 113000 | 1.10 | **TKA** | **158 / TRF98** | **MY 132ML4** | 424 |
| | | | | | | **TKAF** | **158 / TRF98** | **MY 132ML4** | 424 |
| | 5.7 | 14300 | 253 | 77400 | 0.90 | **TK** | **128 / TRF88** | **MY 132ML4** | 424 |
| | 6.8 | 12000 | 213 | 79700 | 1.10 | **TKF** | **128 / TRF88** | **MY 132ML4** | 424 |
| | 7.2 | 11400 | 200 | 80000 | 1.05 | **TKA** | **128 / TRF88** | **MY 132ML4** | 424 |
| | 8.7 | 9460 | 166 | 80900 | 1.25 | **TKAF** | **128 / TRF88** | **MY 132ML4** | 424 |
| | 9.8 | 8350 | 147 | 81300 | 1.45 | | | | |
| | 11 | 8310 | 136.14 | 81300 | 1.55 | **TK** | **128** | **MY 132ML4** | 412 |
| | 12 | 7470 | 122.48 | 81600 | 1.75 | **TKF** | **128** | **MY 132ML4** | 413 |
| | 13 | 6720 | 110.18 | 81900 | 1.95 | **TKA** | **128** | **MY 132ML4** | 414 |
| | 16 | 5480 | 89.89 | 82200 | 2.4 | **TKAF** | **128** | **MY 132ML4** | 413 |
| | 18 | 5000 | 81.98 | 82300 | 2.6 | | | | |
| | 13 | 6860 | 112.41* | 62400 | 1.15 | **TK** | **108** | **MY 132ML4** | 408 |
| | 14 | 6150 | 100.75 | 61800 | 1.30 | **TKF** | **108** | **MY 132ML4** | 409 |
| | 16 | 5550 | 90.96* | 61100 | 1.45 | **TKA** | **108** | **MY 132ML4** | 410 |
| | | | | | | **TKAF** | **108** | **MY 132ML4** | 409 |
| | 17 | 5040 | 82.61 | 60400 | 1.60 | **TK** | **108** | **MY 132ML4** | 408 |
| | 20 | 4470 | 73.30 | 59400 | 1.80 | **TKF** | **108** | **MY 132ML4** | 409 |
| | 22 | 4060 | 66.52* | 58600 | 1.95 | **TKA** | **108** | **MY 132ML4** | 410 |
| | 25 | 3490 | 57.17* | 57100 | 2.3 | **TKAF** | **108** | **MY 132ML4** | 409 |
| | 29 | 3040 | 49.90 | 55700 | 2.6 | | | | |
| | 34 | 2580 | 42.33* | 54000 | 2.9 | | | | |

| $P_{1n}$ [kW] | $n_2$ [r/min] | $M_{2n}$ [Nm] | i | $Fr_2$ [N] | fs | | | | Page |
|---|---|---|---|---|---|---|---|---|---|
| **9.2** | 18 | 4750 | 77.89* | 35100 | 0.90 | **TK** | **98** | **MY 132ML4** | 404 |
| | 20 | 4300 | 70.54 | 35100 | 1.00 | **TKF** | **98** | **MY 132ML4** | 405 |
| | 23 | 3820 | 62.55 | 35100 | 1.15 | **TKA** | **98** | **MY 132ML4** | 406 |
| | 25 | 3450 | 56.55 | 34900 | 1.25 | **TKAF** | **98** | **MY 132ML4** | 405 |
| | 30 | 2920 | 47.93* | 34400 | 1.45 | **TK** | **98** | **MY 132ML4** | 404 |
| | 34 | 2550 | 41.87 | 34000 | 1.70 | **TKF** | **98** | **MY 132ML4** | 405 |
| | 38 | 2340 | 38.30 | 33600 | 1.85 | **TKA** | **98** | **MY 132ML4** | 406 |
| | 42 | 2090 | 34.23 | 33100 | 2.1 | **TKAF** | **98** | **MY 132ML4** | 405 |
| | 47 | 1880 | 30.82 | 32500 | 2.3 | | | | |
| | 52 | 1700 | 27.91 | 32000 | 2.5 | | | | |
| | 58 | 1510 | 24.75 | 31300 | 2.9 | | | | |
| | 29 | 3000 | 49.16 | 22000 | 0.90 | **TK** | **88** | **MY 132ML4** | 400 |
| | 33 | 2690 | 44.02 | 22200 | 0.95 | **TKF** | **88** | **MY 132ML4** | 401 |
| | 39 | 2230 | 36.52* | 22200 | 1.10 | **TKA** | **88** | **MY 132ML4** | 402 |
| | 46 | 1910 | 31.39 | 22100 | 1.40 | **TKAF** | **88** | **MY 132ML4** | 401 |
| | 52 | 1700 | 27.88 | 21900 | 1.55 | **TK** | **88** | **MY 132ML4** | 400 |
| | 58 | 1520 | 24.92 | 21700 | 1.65 | **TKF** | **88** | **MY 132ML4** | 401 |
| | 64 | 1370 | 22.41 | 21400 | 1.70 | **TKA** | **88** | **MY 132ML4** | 402 |
| | 74 | 1190 | 19.45 | 21000 | 1.95 | **TKAF** | **88** | **MY 132ML4** | 401 |
| | 83 | 1060 | 17.42 | 20700 | 2.1 | | | | |
| | 90 | 980 | 16.00 | 19700 | 1.85 | | | | |
| | 100 | 880 | 14.45 | 20000 | 2.4 | | | | |
| | 115 | 765 | 12.56 | 19500 | 2.6 | | | | |
| | 129 | 680 | 11.17 | 18600 | 2.2 | | | | |
| | 144 | 610 | 10.00 | 18200 | 2.5 | | | | |
| | 62 | 1410 | 23.08 | 16300 | 1.10 | **TK** | **78** | **MY 132ML4** | 396 |
| | 71 | 1240 | 20.25 | 17300 | 1.20 | **TKF** | **78** | **MY 132ML4** | 397 |
| | 81 | 1090 | 17.87 | 17600 | 1.35 | **TKA** | **78** | **MY 132ML4** | 398 |
| | 91 | 970 | 15.84 | 17400 | 1.45 | **TKAF** | **78** | **MY 132ML4** | 397 |
| | 107 | 820 | 13.52 | 17000 | 1.60 | **TK** | **78** | **MY 132ML4** | 396 |
| | 117 | 755 | 12.36 | 16300 | 1.35 | **TKF** | **78** | **MY 132ML4** | 397 |
| | 133 | 660 | 10.84 | 16000 | 1.50 | **TKA** | **78** | **MY 132ML4** | 398 |
| | 151 | 585 | 9.56 | 15700 | 1.60 | **TKAF** | **78** | **MY 132ML4** | 397 |
| | 170 | 515 | 8.48 | 15400 | 1.70 | | | | |
| | 199 | 440 | 7.24 | 14900 | 1.85 | | | | |
| **11.0** | 1.7 | 56000 | 835 | 190000 | 0.90 | **TK** | **188 / TRF108** | **MY 160M4** | 424 |
| | 2.0 | 48700 | 729 | 190000 | 1.05 | **TKH** | **188 / TRF108** | **MY 160M4** | 424 |
| | 2.3 | 41600 | 622 | 190000 | 1.20 | | | | |
| | 2.8 | 35200 | 520 | 190000 | 1.40 | | | | |
| | 3.2 | 30700 | 454 | 190000 | 1.65 | | | | |
| | 4.0 | 23700 | 355 | 190000 | 2.1 | | | | |
| | 1.9 | 49800 | 738 | 190000 | 1.00 | **TK** | **188 / TRF98** | **MY 160M4** | 424 |
| | 2.3 | 41800 | 621 | 190000 | 1.20 | **TKH** | **188 / TRF98** | **MY 160M4** | 424 |
| | 2.7 | 35400 | 527 | 190000 | 1.40 | | | | |
| | 4.5 | 21500 | 318 | 150000 | 1.50 | **TK** | **168 / TRF108** | **MY 160M4** | 424 |
| | 5.2 | 18800 | 278 | 150000 | 1.70 | **TKH** | **168 / TRF108** | **MY 160M4** | 424 |
| | 5.9 | 16200 | 244 | 150000 | 1.95 | | | | |
| | 6.8 | 14200 | 213 | 150000 | 2.3 | | | | |
| | 7.0 | 13800 | 206 | 150000 | 2.3 | | | | |
| | 2.6 | 37600 | 561 | 150000 | 0.85 | **TK** | **168 / TRF98** | **MY 160M4** | 424 |
| | 3.0 | 32400 | 481 | 150000 | 1.00 | **TKH** | **168 / TRF98** | **MY 160M4** | 424 |
| | 3.4 | 28400 | 423 | 150000 | 1.15 | | | | |
| | 3.9 | 24800 | 369 | 150000 | 1.30 | | | | |
| | 4.3 | 22400 | 333 | 109700 | 0.80 | **TK** | **158 / TRF98** | **MY 160M4** | 424 |
| | 5.0 | 19500 | 291 | 111400 | 0.90 | **TKF** | **158 / TRF98** | **MY 160M4** | 424 |
| | | | | | | **TKA** | **158 / TRF98** | **MY 160M4** | 424 |
| | | | | | | **TKAF** | **158 / TRF98** | **MY 160M4** | 424 |
| | 6.8 | 14400 | 213 | 77200 | 0.90 | **TK** | **128 / TRF88** | **MY 160M4** | 424 |
| | 7.2 | 13700 | 200 | 78600 | 0.90 | **TKF** | **128 / TRF88** | **MY 160M4** | 424 |
| | 8.7 | 11300 | 166 | 80100 | 1.05 | **TKA** | **128 / TRF88** | **MY 160M4** | 424 |
| | 9.8 | 10000 | 147 | 80700 | 1.20 | **TKAF** | **128 / TRF88** | **MY 160M4** | 424 |

| $P_{1n}$ [kW] | $n_2$ [r/min] | $M_{2n}$ [Nm] | i | $Fr_2$ [N] | fs | | | Page |
|---|---|---|---|---|---|---|---|---|
| **11.0** | 5.3 | 19700 | 134.99 | 150000 | 1.60 | **TK 168** | **MY 180L8** | 420 |
| | 6.6 | 16000 | 109.83 | 150000 | 2.0 | **TKH 168** | **MY 180L8** | 421 |
| | 5.8 | 18000 | 164.50 | 150000 | 1.80 | **TK 168** | **MY 160L6** | 420 |
| | 7.1 | 14800 | 134.99 | 150000 | 2.2 | **TKH 168** | **MY 160L6** | 421 |
| | 8.8 | 12000 | 164.50 | 150000 | 2.7 | **TK 168** | **MY 160M4** | 420 |
| | 11 | 9850 | 134.99 | 150000 | 3.3 | **TKH 168** | **MY 160M4** | 421 |
| | 5.9 | 17900 | 122.39 | 112300 | 1.00 | **TK 158** | **MY 180L8** | 416 |
| | 7.2 | 14600 | 100.22 | 113700 | 1.25 | **TKF 158** | **MY 180L8** | 417 |
| | 7.9 | 13400 | 91.65 | 114200 | 1.35 | **TKA 158** | **MY 180L8** | 418 |
| | 9.0 | 11600 | 79.75 | 114800 | 1.55 | **TKAF 158** | **MY 180L8** | 417 |
| | 6.4 | 16500 | 150.41 | 112900 | 1.10 | **TK 158** | **MY 160L6** | 416 |
| | 7.8 | 13400 | 122.39 | 114200 | 1.35 | **TKF 158** | **MY 160L6** | 417 |
| | 9.6 | 11000 | 100.22 | 115000 | 1.65 | **TKA 158** | **MY 160L6** | 418 |
| | 10 | 10000 | 91.65 | 115300 | 1.80 | **TKAF 158** | **MY 160L6** | 417 |
| | 12 | 8730 | 79.75 | 115600 | 2.1 | | | |
| | 9.6 | 11000 | 150.41 | 115000 | 1.65 | **TK 158** | **MY 160M4** | 416 |
| | 12 | 8930 | 122.39 | 115600 | 2.0 | **TKF 158** | **MY 160M4** | 417 |
| | 14 | 7310 | 100.22 | 115900 | 2.5 | **TKA 158** | **MY 160M4** | 418 |
| | 16 | 6690 | 91.65 | 116000 | 2.7 | **TKAF 158** | **MY 160M4** | 417 |
| | 11 | 9930 | 136.14 | 80700 | 1.30 | **TK 128** | **MY 160M4** | 412 |
| | 12 | 8930 | 122.48 | 81100 | 1.45 | **TKF 128** | **MY 160M4** | 413 |
| | 13 | 8040 | 110.18 | 81400 | 1.60 | **TKA 128** | **MY 160M4** | 414 |
| | 16 | 6560 | 89.89 | 81900 | 2.0 | **TKAF 128** | **MY 160M4** | 413 |
| | 18 | 5980 | 81.98 | 82100 | 2.2 | | | |
| | 20 | 5180 | 70.95* | 82300 | 2.5 | | | |
| | 13 | 8200 | 112.41* | 58400 | 1.00 | **TK 108** | **MY 160M4** | 408 |
| | 14 | 7350 | 100.75 | 58300 | 1.10 | **TKF 108** | **MY 160M4** | 409 |
| | 16 | 6630 | 90.96* | 58000 | 1.20 | **TKA 108** | **MY 160M4** | 410 |
| | 17 | 6030 | 82.61 | 57500 | 1.35 | **TKAF 108** | **MY 160M4** | 409 |
| | 20 | 5350 | 73.30 | 56900 | 1.50 | **TK 108** | **MY 160M4** | 408 |
| | 22 | 4850 | 66.52* | 56200 | 1.65 | **TKF 108** | **MY 160M4** | 409 |
| | 25 | 4170 | 57.17* | 55100 | 1.90 | **TKA 108** | **MY 160M4** | 410 |
| | 29 | 3640 | 49.90 | 54000 | 2.2 | **TKAF 108** | **MY 160M4** | 409 |
| | 34 | 3090 | 42.33* | 52500 | 2.4 | | | |
| | 39 | 2700 | 37.00* | 51200 | 2.7 | | | |
| | 20 | 5150 | 70.54 | 32200 | 0.85 | **TK 98** | **MY 160M4** | 404 |
| | 23 | 4560 | 62.55 | 32500 | 0.95 | **TKF 98** | **MY 160M4** | 405 |
| | 25 | 4130 | 56.55 | 32500 | 1.05 | **TKA 98** | **MY 160M4** | 406 |
| | 30 | 3500 | 47.93* | 32500 | 1.25 | **TKAF 98** | **MY 160M4** | 405 |
| | 34 | 3050 | 41.87 | 32200 | 1.40 | **TK 98** | **MY 160M4** | 404 |
| | 38 | 2790 | 38.30 | 32000 | 1.55 | **TKF 98** | **MY 160M4** | 405 |
| | 42 | 2500 | 34.23 | 31600 | 1.70 | **TKA 98** | **MY 160M4** | 406 |
| | 47 | 2250 | 30.82 | 31300 | 1.90 | **TKAF 98** | **MY 160M4** | 405 |
| | 52 | 2040 | 27.91 | 30800 | 2.1 | | | |
| | 58 | 1800 | 24.75 | 30300 | 2.4 | | | |
| | 64 | 1630 | 22.37 | 29800 | 2.6 | | | |
| | 33 | 3210 | 44.02 | 20000 | 0.80 | **TK 88** | **MY 160M4** | 400 |
| | 39 | 2660 | 36.52* | 20400 | 0.95 | **TKF 88** | **MY 160M4** | 401 |
| | 46 | 2290 | 31.39 | 20600 | 1.20 | **TKA 88** | **MY 160M4** | 402 |
| | 52 | 2030 | 27.88 | 20600 | 1.30 | **TKAF 88** | **MY 160M4** | 401 |
| | 58 | 1820 | 24.92 | 20500 | 1.40 | | | |
| | 64 | 1630 | 22.41 | 20300 | 1.40 | **TK 88** | **MY 160M4** | 400 |
| | 74 | 1420 | 19.45 | 20100 | 1.60 | **TKF 88** | **MY 160M4** | 401 |
| | 83 | 1270 | 17.42 | 19800 | 1.75 | **TKA 88** | **MY 160M4** | 402 |
| | 90 | 1170 | 16.00 | 18800 | 1.55 | **TKAF 88** | **MY 160M4** | 401 |
| | 100 | 1050 | 14.45 | 19400 | 2.0 | | | |
| | 115 | 920 | 12.56 | 18900 | 2.2 | | | |
| | 129 | 810 | 11.17 | 18000 | 1.85 | | | |
| | 144 | 730 | 10.00 | 17700 | 2.1 | | | |
| | 174 | 605 | 8.29 | 17100 | 2.3 | | | |
| | 200 | 525 | 7.21 | 16700 | 2.5 | | | |

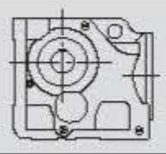
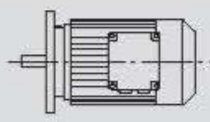
| $P_{1n}$ [kW] | $n_2$ [r/min] | $M_{2n}$ [Nm] | i | $Fr_2$ [N] | fs | | | Page |
|---|---|---|---|---|---|---|---|---|
| **11.0** | 62 | 1680 | 23.08 | 14400 | 0.90 | **TK** **78** | **MY 160M4** | 396 |
| | 71 | 1480 | 20.25 | 15900 | 1.00 | **TKF** **78** | **MY 160M4** | 397 |
| | 81 | 1300 | 17.87 | 16600 | 1.10 | **TKA** **78** | **MY 160M4** | 398 |
| | 91 | 1160 | 15.84 | 16500 | 1.20 | **TKAF** **78** | **MY 160M4** | 397 |
| | 107 | 990 | 13.52 | 16300 | 1.35 | | | |
| | 117 | 900 | 12.36 | 15500 | 1.10 | | | |
| | 133 | 790 | 10.84 | 15300 | 1.25 | | | |
| | 151 | 700 | 9.56 | 15100 | 1.35 | | | |
| | 170 | 620 | 8.48 | 14800 | 1.45 | | | |
| | 199 | 530 | 7.24 | 14500 | 1.55 | | | |
| **15.0** | 2.4 | 56200 | 622 | 190000 | 0.90 | **TK** **188 / TRF108** | **MY 160L4** | 424 |
| | 2.8 | 47600 | 520 | 190000 | 1.05 | **TKH** **188 / TRF108** | **MY 160L4** | 424 |
| | 3.2 | 41400 | 454 | 190000 | 1.20 | | | |
| | 4.1 | 32000 | 355 | 190000 | 1.55 | | | |
| | 5.6 | 23800 | 261 | 190000 | 2.1 | | | |
| | 4.6 | 29100 | 318 | 150000 | 1.10 | **TK** **168 / TRF108** | **MY 160L4** | 424 |
| | 5.3 | 25300 | 278 | 150000 | 1.25 | **TKH** **168 / TRF108** | **MY 160L4** | 424 |
| | 6.0 | 22000 | 244 | 150000 | 1.45 | | | |
| | 6.9 | 19200 | 213 | 150000 | 1.65 | | | |
| | 7.1 | 18700 | 206 | 150000 | 1.70 | | | |
| | 8.1 | 16100 | 180 | 150000 | 2.0 | | | |
| | 9.2 | 14600 | 160 | 150000 | 2.2 | | | |
| | 6.3 | 20600 | 230 | 110800 | 0.85 | **TK** **158 / TRF108** | **MY 160L4** | 424 |
| | 6.9 | 19400 | 213 | 111500 | 0.95 | **TKF** **158 / TRF108** | **MY 160L4** | 424 |
| | 7.8 | 16700 | 187 | 112800 | 1.05 | **TKA** **158 / TRF108** | **MY 160L4** | 424 |
| | 9.3 | 14200 | 157 | 113900 | 1.25 | **TKAF** **158 / TRF108** | **MY 160L4** | 424 |
| | 12 | 11100 | 122 | 115000 | 1.60 | | | |
| | 14 | 9710 | 107 | 115400 | 1.85 | | | |
| | 5.4 | 26600 | 179.86 | 190000 | 1.90 | **TK** **188** | **MY 180L6** | 422 |
| | 5.9 | 24400 | 165.21 | 190000 | 2.1 | **TKH** **188** | **MY 180L6** | 423 |
| | 7.2 | 19900 | 134.99 | 150000 | 1.60 | **TK** **168** | **MY 180L6** | 420 |
| | 8.8 | 16200 | 109.83 | 150000 | 1.95 | **TKH** **168** | **MY 180L6** | 421 |
| | 8.9 | 16100 | 164.50 | 150000 | 2.0 | **TK** **168** | **MY 160L4** | 420 |
| | 11 | 13200 | 134.99 | 150000 | 2.4 | **TKH** **168** | **MY 160L4** | 421 |
| | 7.9 | 18100 | 122.39 | 112200 | 1.00 | **TK** **158** | **MY 180L6** | 416 |
| | 9.7 | 14800 | 100.22 | 113700 | 1.20 | **TKF** **158** | **MY 180L6** | 417 |
| | 11 | 13500 | 91.65 | 114100 | 1.35 | **TKA** **158** | **MY 180L6** | 418 |
| | 12 | 11800 | 79.75 | 114800 | 1.55 | **TKAF** **158** | **MY 180L6** | 417 |
| | 14 | 10400 | 70.38 | 115200 | 1.75 | | | |
| | 9.7 | 14800 | 150.41 | 113700 | 1.20 | **TK** **158** | **MY 160L4** | 416 |
| | 12 | 12000 | 122.39 | 114700 | 1.50 | **TKF** **158** | **MY 160L4** | 417 |
| | 15 | 9830 | 100.22 | 114200 | 1.85 | **TKA** **158** | **MY 160L4** | 418 |
| | 16 | 8990 | 91.65 | 112500 | 2.0 | **TKAF** **158** | **MY 160L4** | 417 |
| | 18 | 7820 | 79.75 | 109600 | 2.3 | | | |
| | 11 | 13400 | 136.14 | 79000 | 0.95 | **TK** **128** | **MY 160L4** | 412 |
| | 12 | 12000 | 122.48 | 79700 | 1.10 | **TKF** **128** | **MY 160L4** | 413 |
| | 13 | 10800 | 110.18 | 80300 | 1.20 | **TKA** **128** | **MY 160L4** | 414 |
| | | | | | | **TKAF** **128** | **MY 160L4** | 413 |
| | 16 | 8820 | 89.89 | 81200 | 1.45 | **TK** **128** | **MY 160L4** | 412 |
| | 18 | 8040 | 81.98 | 81400 | 1.60 | **TKF** **128** | **MY 160L4** | 413 |
| | 21 | 6960 | 70.95* | 81600 | 1.85 | **TKA** **128** | **MY 160L4** | 414 |
| | 23 | 6140 | 62.60 | 80000 | 2.1 | **TKAF** **128** | **MY 160L4** | 413 |
| | 27 | 5300 | 54.07 | 78000 | 2.5 | | | |
| | 31 | 4690 | 47.82 | 76200 | 2.8 | | | |
| | 16 | 8920 | 90.96* | 50900 | 0.90 | **TK** **108** | **MY 160L4** | 408 |
| | 18 | 8110 | 82.61 | 51100 | 1.00 | **TKF** **108** | **MY 160L4** | 409 |
| | 20 | 7190 | 73.30 | 51200 | 1.10 | **TKA** **108** | **MY 160L4** | 410 |
| | 22 | 6530 | 66.52* | 51000 | 1.25 | **TKAF** **108** | **MY 160L4** | 409 |
| | 26 | 5610 | 57.17* | 50600 | 1.45 | **TK** **108** | **MY 160L4** | 408 |
| | 29 | 4900 | 49.90 | 50000 | 1.60 | **TKF** **108** | **MY 160L4** | 409 |
| | 34 | 4150 | 42.33* | 49100 | 1.75 | **TKA** **108** | **MY 160L4** | 410 |
| | 39 | 3630 | 37.00* | 48200 | 2.0 | **TKAF** **108** | **MY 160L4** | 409 |

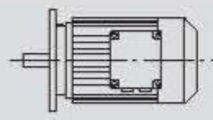
| $P_{1n}$ [kW] | $n_2$ [r/min] | $M_{2n}$ [Nm] | i | $Fr_2$ [N] | fs |  |  | Page |
|---|---|---|---|---|---|---|---|---|
| **15.0** | 45 | 3210 | 32.69 | 47300 | 2.3 | **TK 108** | **MY 160L4** | 408 |
| | 47 | 3070 | 31.28* | 47000 | 2.2 | **TKF 108** | **MY 160L4** | 409 |
| | 50 | 2840 | 29.00 | 46400 | 2.5 | **TKA 108** | **MY 160L4** | 410 |
| | | | | | | **TKAF 108** | **MY 160L4** | 409 |
| | 30 | 4700 | 47.93* | 28100 | 0.90 | **TK 98** | **MY 160L4** | 404 |
| | 35 | 4110 | 41.87 | 28400 | 1.05 | **TKF 98** | **MY 160L4** | 405 |
| | 38 | 3760 | 38.30 | 28500 | 1.15 | **TKA 98** | **MY 160L4** | 406 |
| | 43 | 3360 | 34.23 | 28500 | 1.30 | **TKAF 98** | **MY 160L4** | 405 |
| | 47 | 3020 | 30.82 | 28400 | 1.40 | | | |
| | 52 | 2740 | 27.91 | 28300 | 1.55 | **TK 98** | **MY 160L4** | 404 |
| | 59 | 2430 | 24.75 | 28000 | 1.75 | **TKF 98** | **MY 160L4** | 405 |
| | 65 | 2190 | 22.37 | 27700 | 1.95 | **TKA 98** | **MY 160L4** | 406 |
| | 77 | 1860 | 18.96 | 27200 | 2.3 | **TKAF 98** | **MY 160L4** | 405 |
| | 88 | 1620 | 16.56 | 26600 | 2.7 | | | |
| | 47 | 3080 | 31.39 | 17300 | 0.90 | **TK 88** | **MY 160L4** | 400 |
| | 52 | 2730 | 27.88 | 17600 | 0.95 | **TKF 88** | **MY 160L4** | 401 |
| | 59 | 2440 | 24.92 | 17800 | 1.00 | **TKA 88** | **MY 160L4** | 402 |
| | 65 | 2200 | 22.41 | 18000 | 1.05 | **TKAF 88** | **MY 160L4** | 401 |
| | 75 | 1910 | 19.45 | 18000 | 1.20 | | | |
| | 84 | 1710 | 17.42 | 18000 | 1.30 | | | |
| | 91 | 1570 | 16.00 | 16800 | 1.15 | **TK 88** | **MY 160L4** | 400 |
| | 101 | 1420 | 14.45 | 17800 | 1.50 | **TKF 88** | **MY 160L4** | 401 |
| | 116 | 1230 | 12.56 | 17600 | 1.60 | **TKA 88** | **MY 160L4** | 402 |
| | 131 | 1100 | 11.17 | 16600 | 1.35 | **TKAF 88** | **MY 160L4** | 401 |
| | 146 | 980 | 10.00 | 16400 | 1.55 | | | |
| | 176 | 810 | 8.29 | 16000 | 1.70 | | | |
| | 202 | 705 | 7.21 | 15700 | 1.85 | | | |
| **18.5** | 2.8 | 58600 | 520 | 190000 | 0.85 | **TK 188 / TRF108** | **MY 180M4** | 424 |
| | 3.2 | 51100 | 454 | 190000 | 1.00 | **TKH 188 / TRF108** | **MY 180M4** | 424 |
| | 4.1 | 39500 | 355 | 190000 | 1.25 | | | |
| | 5.6 | 29400 | 261 | 190000 | 1.70 | | | |
| | 6.6 | 24800 | 221 | 190000 | 2.0 | | | |
| | 4.6 | 35800 | 318 | 150000 | 0.90 | **TK 168 / TRF108** | **MY 180M4** | 424 |
| | 5.3 | 31200 | 278 | 150000 | 1.00 | **TKH 168 / TRF108** | **MY 180M4** | 424 |
| | 6.0 | 27100 | 244 | 150000 | 1.20 | | | |
| | 6.9 | 23600 | 213 | 150000 | 1.35 | | | |
| | 7.1 | 23000 | 206 | 150000 | 1.40 | | | |
| | 8.1 | 19900 | 180 | 150000 | 1.60 | | | |
| | 9.2 | 18000 | 160 | 150000 | 1.80 | | | |
| | 11 | 15200 | 135 | 150000 | 2.1 | | | |
| | 12 | 13200 | 118 | 150000 | 2.4 | | | |
| | 7.8 | 20700 | 187 | 110700 | 0.85 | **TK 158 / TRF108** | **MY 180M4** | 424 |
| | 9.3 | 17500 | 157 | 112400 | 1.05 | **TKF 158 / TRF108** | **MY 180M4** | 424 |
| | 12 | 13700 | 122 | 113900 | 1.30 | **TKA 158 / TRF108** | **MY 180M4** | 424 |
| | 14 | 12000 | 107 | 112000 | 1.50 | **TKAF 158 / TRF108** | **MY 180M4** | 424 |
| | 5.4 | 32800 | 179.86 | 190000 | 1.55 | **TK 188** | **MY 200LS6** | 422 |
| | 5.9 | 30100 | 165.21 | 190000 | 1.65 | **TKH 188** | **MY 200LS6** | 423 |
| | 6.7 | 26300 | 144.59 | 190000 | 1.90 | | | |
| | 7.5 | 23600 | 129.69 | 190000 | 2.1 | | | |
| | 8.2 | 21700 | 179.86 | 190000 | 2.3 | **TK 188** | **MY 180M4** | 422 |
| | 8.9 | 19900 | 165.21 | 190000 | 2.5 | **TKH 188** | **MY 180M4** | 423 |
| | 10 | 17400 | 144.59 | 190000 | 2.9 | | | |
| | 11 | 15600 | 129.69 | 190000 | 3.2 | | | |
| | 11 | 16300 | 134.99 | 150000 | 1.95 | **TK 168** | **MY 180M4** | 420 |
| | 13 | 13200 | 109.83 | 150000 | 2.4 | **TKH 168** | **MY 180M4** | 421 |
| | 17 | 10600 | 87.86 | 150000 | 3.0 | | | |
| | 9.7 | 18300 | 100.22 | 112100 | 1.00 | **TK 158** | **MY 200LS6** | 416 |
| | 11 | 16700 | 91.65 | 112800 | 1.10 | **TKF 158** | **MY 200LS6** | 417 |
| | 12 | 14500 | 79.75 | 111500 | 1.25 | **TKA 158** | **MY 200LS6** | 418 |
| | 14 | 12800 | 70.38 | 109900 | 1.40 | **TKAF 158** | **MY 200LS6** | 417 |

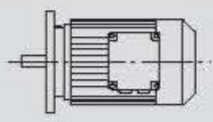
| $P_{1n}$ [kW] | $n_2$ [r/min] | $M_{2n}$ [Nm] | i | $Fr_2$ [N] | fs |  |  | Page |
|---|---|---|---|---|---|---|---|---|
| **18.5** | 12 | 14800 | 122.39 | 111600 | 1.20 | **TK 158** | **MY 180M4** | 416 |
| | 15 | 12100 | 100.22 | 109100 | 1.50 | **TKF 158** | **MY 180M4** | 417 |
| | 16 | 11100 | 91.65 | 107800 | 1.65 | **TKA 158** | **MY 180M4** | 418 |
| | 18 | 9620 | 79.75 | 105600 | 1.85 | **TKAF 158** | **MY 180M4** | 417 |
| | 21 | 8490 | 70.38 | 103400 | 2.1 | | | |
| | 24 | 7360 | 61.02 | 100700 | 2.5 | **TK 158** | **MY 180M4** | 416 |
| | 27 | 6550 | 54.29 | 98500 | 2.8 | **TKF 158** | **MY 180M4** | 417 |
| | 31 | 5640 | 46.79 | 95500 | 3.2 | **TKA 158** | **MY 180M4** | 418 |
| | 39 | 4580 | 38.02 | 91300 | 3.9 | **TKAF 158** | **MY 180M4** | 417 |
| | 13 | 13300 | 110.18 | 79000 | 1.00 | **TK 128** | **MY 180M4** | 412 |
| | 16 | 10800 | 89.89 | 79000 | 1.20 | **TKF 128** | **MY 180M4** | 413 |
| | 18 | 9890 | 81.98 | 78500 | 1.30 | **TKA 128** | **MY 180M4** | 414 |
| | | | | | | **TKAF 128** | **MY 180M4** | 413 |
| | 21 | 8560 | 70.95* | 77500 | 1.50 | **TK 128** | **MY 180M4** | 412 |
| | 23 | 7550 | 62.60 | 76400 | 1.70 | **TKF 128** | **MY 180M4** | 413 |
| | 27 | 6520 | 54.07 | 74800 | 2.0 | **TKA 128** | **MY 180M4** | 414 |
| | 31 | 5770 | 47.82 | 73400 | 2.3 | **TKAF 128** | **MY 180M4** | 413 |
| | 36 | 4850 | 40.19 | 71300 | 2.7 | | | |
| | 40 | 4370 | 36.25 | 69900 | 3.0 | | | |
| | 47 | 3780 | 31.37 | 68000 | 3.4 | | | |
| | 53 | 3340 | 27.68 | 66200 | 3.9 | | | |
| | 20 | 8840 | 73.30 | 46300 | 0.90 | **TK 108** | **MY 180M4** | 408 |
| | 22 | 8020 | 66.52* | 46600 | 1.00 | **TKF 108** | **MY 180M4** | 409 |
| | 26 | 6890 | 57.17* | 46800 | 1.15 | **TKA 108** | **MY 180M4** | 410 |
| | 29 | 6020 | 49.90 | 46700 | 1.30 | **TKAF 108** | **MY 180M4** | 409 |
| | 35 | 5100 | 42.33* | 46300 | 1.45 | **TK 108** | **MY 180M4** | 408 |
| | 40 | 4460 | 37.00* | 45700 | 1.60 | **TKF 108** | **MY 180M4** | 409 |
| | 45 | 3940 | 32.69 | 45100 | 1.85 | **TKA 108** | **MY 180M4** | 410 |
| | 47 | 3770 | 31.28* | 44900 | 1.80 | **TKAF 108** | **MY 180M4** | 409 |
| | 51 | 3500 | 29.00 | 44400 | 2.1 | | | |
| | 56 | 3170 | 26.32 | 43800 | 2.3 | | | |
| | 65 | 2730 | 22.62 | 42700 | 2.6 | | | |
| | 74 | 2380 | 19.74 | 41700 | 3.0 | | | |
| | 88 | 2020 | 16.75 | 40400 | 3.5 | | | |
| | 35 | 5050 | 41.87 | 25100 | 0.85 | **TK 98** | **MY 180M4** | 404 |
| | 48 | 3720 | 30.82 | 26000 | 1.15 | **TKF 98** | **MY 180M4** | 405 |
| | 53 | 3360 | 27.91 | 26000 | 1.30 | **TKA 98** | **MY 180M4** | 406 |
| | 59 | 2980 | 24.75 | 26000 | 1.45 | **TKAF 98** | **MY 180M4** | 405 |
| | 65 | 2700 | 22.37 | 25900 | 1.60 | **TK 98** | **MY 180M4** | 404 |
| | 77 | 2290 | 18.96 | 25700 | 1.90 | **TKF 98** | **MY 180M4** | 405 |
| | 88 | 2000 | 16.56 | 25300 | 2.2 | **TKA 98** | **MY 180M4** | 406 |
| | 106 | 1670 | 13.85 | 24800 | 2.6 | **TKAF 98** | **MY 180M4** | 405 |
| | 122 | 1450 | 11.99 | 24300 | 2.7 | | | |
| | 59 | 3000 | 24.92 | 15600 | 0.85 | **TK 88** | **MY 180M4** | 400 |
| | 65 | 2700 | 22.41 | 15900 | 0.85 | **TKF 88** | **MY 180M4** | 401 |
| | 75 | 2340 | 19.45 | 16200 | 1.00 | **TKA 88** | **MY 180M4** | 402 |
| | 84 | 2100 | 17.42 | 16400 | 1.05 | **TKAF 88** | **MY 180M4** | 401 |
| | 101 | 1740 | 14.45 | 16500 | 1.20 | | | |
| | 117 | 1510 | 12.56 | 16400 | 1.30 | | | |
| | 131 | 1350 | 11.17 | 15400 | 1.10 | | | |
| | 147 | 1210 | 10.00 | 15300 | 1.25 | | | |
| | 177 | 1000 | 8.29 | 15100 | 1.40 | | | |
| | 203 | 870 | 7.21 | 14900 | 1.50 | | | |
| **22** | 3.2 | 60800 | 454 | 190000 | 0.80 | **TK 188 / TRF108** | **MY 180L4** | 424 |
| | 4.1 | 47100 | 355 | 190000 | 1.05 | **TKH 188 / TRF108** | **MY 180L4** | 424 |
| | 5.6 | 35000 | 261 | 190000 | 1.45 | | | |
| | 6.6 | 29600 | 221 | 190000 | 1.70 | | | |
| | 7.6 | 25800 | 193 | 190000 | 1.95 | | | |
| | 9.0 | 21800 | 163 | 190000 | 2.3 | | | |
| | 5.3 | 37200 | 278 | 150000 | 0.85 | **TK 168 / TRF108** | **MY 180L4** | 424 |
| | 6.0 | 32300 | 244 | 150000 | 1.00 | **TKH 168 / TRF108** | **MY 180L4** | 424 |

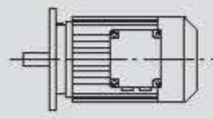
| $P_{1n}$ [kW] | $n_2$ [r/min] | $M_{2n}$ [Nm] | i | $Fr_2$ [N] | fs | | | | Page |
|---|---|---|---|---|---|---|---|---|---|
| **22** | 6.9 | 28200 | 213 | 150000 | 1.15 | **TK** | **168 / TRF108** | **MY 180L4** | 424 |
| | 7.1 | 27500 | 206 | 150000 | 1.15 | **TKH** | **168 / TRF108** | **MY 180L4** | 424 |
| | 8.1 | 23800 | 180 | 150000 | 1.35 | | | | |
| | 9.2 | 21400 | 160 | 150000 | 1.50 | | | | |
| | 11 | 18100 | 135 | 150000 | 1.75 | | | | |
| | 12 | 15800 | 118 | 150000 | 2.0 | | | | |
| | 9.3 | 20900 | 157 | 109400 | 0.85 | **TK** | **158 / TRF108** | **MY 180L4** | 424 |
| | 12 | 16400 | 122 | 108100 | 1.10 | **TKF** | **158 / TRF108** | **MY 180L4** | 424 |
| | 14 | 14300 | 107 | 107000 | 1.25 | **TKA** | **158 / TRF108** | **MY 180L4** | 424 |
| | | | | | | **TKAF** | **158 / TRF108** | **MY 180L4** | 424 |
| | 5.4 | 39000 | 179.86 | 190000 | 1.30 | **TK** | **188** | **MY 200L6** | 422 |
| | 5.9 | 35800 | 165.21 | 190000 | 1.40 | **TKH** | **188** | **MY 200L6** | 423 |
| | 6.7 | 31300 | 144.59 | 190000 | 1.60 | | | | |
| | 7.5 | 28100 | 129.69 | 190000 | 1.80 | | | | |
| | 8.6 | 24400 | 112.60 | 190000 | 2.1 | | | | |
| | 8.2 | 25800 | 179.86 | 190000 | 1.95 | **TK** | **188** | **MY 180L4** | 422 |
| | 8.9 | 23700 | 165.21 | 190000 | 2.1 | **TKH** | **188** | **MY 180L4** | 423 |
| | 10 | 20700 | 144.59 | 190000 | 2.4 | | | | |
| | 11 | 18600 | 129.69 | 190000 | 2.7 | | | | |
| | 11 | 19400 | 134.99 | 150000 | 1.65 | **TK** | **168** | **MY 180L4** | 420 |
| | 13 | 15700 | 109.83 | 150000 | 2.0 | **TKH** | **168** | **MY 180L4** | 421 |
| | 17 | 12600 | 87.86 | 150000 | 2.5 | | | | |
| | 19 | 11200 | 78.14 | 150000 | 2.9 | | | | |
| | 9.7 | 21700 | 100.22 | 105900 | 0.85 | **TK** | **158** | **MY 200L6** | 416 |
| | 11 | 19900 | 91.65 | 105900 | 0.90 | **TKF** | **158** | **MY 200L6** | 417 |
| | 12 | 17300 | 79.75 | 105500 | 1.05 | **TKA** | **158** | **MY 200L6** | 418 |
| | 14 | 15200 | 70.38 | 104600 | 1.20 | **TKAF** | **158** | **MY 200L6** | 417 |
| | 16 | 13200 | 61.02 | 103300 | 1.35 | | | | |
| | 12 | 17600 | 122.39 | 105500 | 1.05 | **TK** | **158** | **MY 180L4** | 416 |
| | 15 | 14400 | 100.22 | 104100 | 1.25 | **TKF** | **158** | **MY 180L4** | 417 |
| | 16 | 13100 | 91.65 | 103200 | 1.35 | **TKA** | **158** | **MY 180L4** | 418 |
| | 18 | 11400 | 79.75 | 101600 | 1.55 | **TKAF** | **158** | **MY 180L4** | 417 |
| | 21 | 10100 | 70.38 | 99800 | 1.80 | | | | |
| | 24 | 8750 | 61.02 | 97700 | 2.1 | | | | |
| | 27 | 7790 | 54.29 | 95800 | 2.3 | | | | |
| | 31 | 6710 | 46.79 | 93200 | 2.7 | | | | |
| | 39 | 5450 | 38.02 | 89400 | 3.3 | | | | |
| | 16 | 12900 | 89.89 | 73900 | 1.00 | **TK** | **128** | **MY 180L4** | 412 |
| | 18 | 11800 | 81.98 | 73800 | 1.10 | **TKF** | **128** | **MY 180L4** | 413 |
| | 21 | 10200 | 70.95* | 73400 | 1.30 | **TKA** | **128** | **MY 180L4** | 414 |
| | 23 | 8980 | 62.60 | 72800 | 1.45 | **TKAF** | **128** | **MY 180L4** | 413 |
| | 27 | 7750 | 54.07 | 71700 | 1.70 | **TK** | **128** | **MY 180L4** | 412 |
| | 31 | 6860 | 47.82 | 70700 | 1.90 | **TKF** | **128** | **MY 180L4** | 413 |
| | 36 | 5760 | 40.19 | 69000 | 2.3 | **TKA** | **128** | **MY 180L4** | 414 |
| | 40 | 5200 | 36.25 | 67800 | 2.5 | **TKAF** | **128** | **MY 180L4** | 413 |
| | 47 | 4500 | 31.37 | 66200 | 2.9 | | | | |
| | 53 | 3970 | 27.68 | 64600 | 3.3 | | | | |
| | 61 | 3430 | 23.91 | 62800 | 3.8 | | | | |
| | 69 | 3030 | 21.15 | 61200 | 4.3 | | | | |
| | 26 | 8200 | 57.17* | 43000 | 1.00 | **TK** | **108** | **MY 180L4** | 408 |
| | 29 | 7160 | 49.90 | 43300 | 1.10 | **TKF** | **108** | **MY 180L4** | 409 |
| | 35 | 6070 | 42.33* | 43400 | 1.20 | **TKA** | **108** | **MY 180L4** | 410 |
| | | | | | | **TKAF** | **108** | **MY 180L4** | 409 |
| | 40 | 5310 | 37.00* | 43200 | 1.35 | **TK** | **108** | **MY 180L4** | 408 |
| | 45 | 4690 | 32.69 | 42900 | 1.55 | **TKF** | **108** | **MY 180L4** | 409 |
| | 47 | 4490 | 31.28* | 42800 | 1.50 | **TKA** | **108** | **MY 180L4** | 410 |
| | 51 | 4160 | 29.00 | 42500 | 1.75 | **TKAF** | **108** | **MY 180L4** | 409 |
| | 56 | 3770 | 26.32 | 42000 | 1.90 | **TK** | **108** | **MY 180L4** | 408 |
| | 65 | 3240 | 22.62 | 41200 | 2.2 | **TKF** | **108** | **MY 180L4** | 409 |
| | 74 | 2830 | 19.74 | 40400 | 2.5 | **TKA** | **108** | **MY 180L4** | 410 |
| | 88 | 2400 | 16.75 | 39300 | 2.9 | **TKAF** | **108** | **MY 180L4** | 409 |
| | 100 | 2100 | 14.64 | 38400 | 3.3 | | | | |

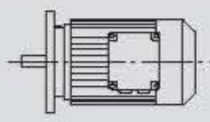
| $P_{1n}$ [kW] | $n_2$ [r/min] | $M_{2n}$ [Nm] | i | $Fr_2$ [N] | fs | | | Page |
|---|---|---|---|---|---|---|---|---|
| **22** | 109 | 1930 | 13.43 | 36800 | 2.2 | **TK 108** | **MY 180L4** | 408 |
| | 125 | 1680 | 11.73 | 35900 | 2.6 | **TKF 108** | **MY 180L4** | 409 |
| | 147 | 1430 | 9.94 | 34800 | 2.9 | **TKA 108** | **MY 180L4** | 410 |
| | | | | | | **TKAF 108** | **MY 180L4** | 409 |
| | 48 | 4420 | 30.82 | 23500 | 0.95 | **TK 98** | **MY 180L4** | 404 |
| | 53 | 4000 | 27.91 | 23800 | 1.05 | **TKF 98** | **MY 180L4** | 405 |
| | 59 | 3550 | 24.75 | 24100 | 1.20 | **TKA 98** | **MY 180L4** | 406 |
| | 65 | 3210 | 22.37 | 24200 | 1.35 | **TKAF 98** | **MY 180L4** | 405 |
| | 77 | 2720 | 18.96 | 24100 | 1.60 | **TK 98** | **MY 180L4** | 404 |
| | 88 | 2370 | 16.56 | 24000 | 1.80 | **TKF 98** | **MY 180L4** | 405 |
| | 106 | 1990 | 13.85 | 23700 | 2.2 | **TKA 98** | **MY 180L4** | 406 |
| | 122 | 1720 | 11.99 | 23300 | 2.3 | **TKAF 98** | **MY 180L4** | 405 |
| | 141 | 1490 | 10.41 | 21800 | 1.9 | | | |
| | 168 | 1250 | 8.71 | 21300 | 2.1 | | | |
| | 75 | 2790 | 19.45 | 14400 | 0.80 | **TK 88** | **MY 180L4** | 400 |
| | 84 | 2500 | 17.42 | 14800 | 0.90 | **TKF 88** | **MY 180L4** | 401 |
| | 101 | 2070 | 14.45 | 15100 | 1.00 | **TKA 88** | **MY 180L4** | 402 |
| | 117 | 1800 | 12.56 | 15300 | 1.10 | **TKAF 88** | **MY 180L4** | 401 |
| | 131 | 1600 | 11.17 | 14200 | 0.95 | | | |
| | 147 | 1430 | 10 | 14200 | 1.05 | | | |
| | 177 | 1190 | 8.29 | 14300 | 1.20 | | | |
| | 203 | 1030 | 7.21 | 14200 | 1.25 | | | |
| **30** | 5.6 | 47700 | 261 | 190000 | 1.05 | **TK 188 / TRF108** | **MY 200L4** | 424 |
| | 6.6 | 40400 | 221 | 190000 | 1.25 | **TKH 188 / TRF108** | **MY 200L4** | 424 |
| | 7.6 | 35200 | 193 | 190000 | 1.40 | | | |
| | 9.0 | 29700 | 163 | 190000 | 1.70 | | | |
| | 6.9 | 38400 | 213 | 150000 | 0.85 | **TK 168 / TRF108** | **MY 200L4** | 424 |
| | 7.1 | 37500 | 206 | 150000 | 0.85 | **TKH 168 / TRF108** | **MY 200L4** | 424 |
| | 8.2 | 32400 | 180 | 150000 | 1.00 | | | |
| | 9.2 | 29100 | 160 | 150000 | 1.10 | | | |
| | 11 | 24700 | 135 | 150000 | 1.30 | | | |
| | 12 | 21500 | 118 | 150000 | 1.50 | | | |
| | 8.2 | 35100 | 179.86 | 190000 | 1.45 | **TK 188** | **MY 200L4** | 422 |
| | 8.9 | 32200 | 165.21 | 190000 | 1.55 | **TKH 188** | **MY 200L4** | 423 |
| | 10 | 28200 | 144.59 | 190000 | 1.75 | | | |
| | 11 | 25300 | 129.69 | 190000 | 2.0 | | | |
| | 13 | 21900 | 112.60 | 190000 | 2.3 | | | |
| | 14 | 19900 | 102.16 | 190000 | 2.5 | | | |
| | 17 | 17200 | 88.00 | 190000 | 2.9 | | | |
| | 13 | 21400 | 109.83 | 150000 | 1.50 | **TK 168** | **MY 200L4** | 420 |
| | 17 | 17100 | 87.86 | 150000 | 1.85 | **TKH 168** | **MY 200L4** | 421 |
| | 19 | 15200 | 78.14 | 150000 | 2.1 | | | |
| | 22 | 13300 | 68.07 | 150000 | 2.4 | | | |
| | 24 | 11800 | 60.74 | 150000 | 2.7 | | | |
| | 15 | 19500 | 100.22 | 92700 | 0.90 | **TK 158** | **MY 200L4** | 416 |
| | 16 | 17900 | 91.65 | 92800 | 1.00 | **TKF 158** | **MY 200L4** | 417 |
| | 18 | 15500 | 79.75 | 92400 | 1.15 | **TKA 158** | **MY 200L4** | 418 |
| | 21 | 13700 | 70.38 | 91800 | 1.30 | **TKAF 158** | **MY 200L4** | 417 |
| | 24 | 11900 | 61.02 | 90700 | 1.50 | | | |
| | 27 | 10600 | 54.29 | 89500 | 1.70 | | | |
| | 31 | 9120 | 46.79 | 87800 | 1.95 | | | |
| | 39 | 7410 | 38.02 | 85100 | 2.4 | | | |
| | 47 | 6100 | 31.30 | 82200 | 3.0 | | | |
| | 21 | 13800 | 70.95* | 64200 | 0.95 | **TK 128** | **MY 200L4** | 412 |
| | 23 | 12200 | 62.60 | 64600 | 1.05 | **TKF 128** | **MY 200L4** | 413 |
| | 27 | 10500 | 54.07 | 64700 | 1.25 | **TKA 128** | **MY 200L4** | 414 |
| | 31 | 9320 | 47.82 | 64400 | 1.40 | **TKAF 128** | **MY 200L4** | 413 |
| | 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 | | | |
| | 62 | 4660 | 23.91 | 59600 | 2.8 | | | |

| $P_{1n}$ [kW] | $n_2$ [r/min] | $M_{2n}$ [Nm] | i | $Fr_2$ [N] | fs |  |  | Page |
|---|---|---|---|---|---|---|---|---|
| **30** | 35 | 8250 | 42.33* | 36100 | 0.90 | **TK 108** | **MY 200L4** | 408 |
| | 40 | 7210 | 37.00* | 37600 | 1.00 | **TKF 108** | **MY 200L4** | 409 |
| | 47 | 6100 | 31.28* | 38000 | 1.10 | **TKA 108** | **MY 200L4** | 410 |
| | | | | | | **TKAF 108** | **MY 200L4** | 409 |
| | 51 | 5650 | 29.00 | 38000 | 1.25 | **TK 108** | **MY 200L4** | 408 |
| | 56 | 5130 | 26.32 | 38000 | 1.40 | **TKF 108** | **MY 200L4** | 409 |
| | 65 | 4410 | 22.62 | 37700 | 1.65 | **TKA 108** | **MY 200L4** | 410 |
| | 74 | 3850 | 19.74 | 37400 | 1.85 | **TKAF 108** | **MY 200L4** | 409 |
| | 88 | 3260 | 16.75 | 36700 | 2.2 | | | |
| | 100 | 2850 | 14.64 | 36100 | 2.4 | | | |
| | 109 | 2620 | 13.43 | 34400 | 1.65 | | | |
| | 125 | 2280 | 11.73 | 33800 | 1.90 | | | |
| | 148 | 1940 | 9.94 | 33000 | 2.2 | | | |
| | 169 | 1690 | 8.69 | 32200 | 2.4 | | | |
| | 59 | 4820 | 24.75 | 19600 | 0.90 | **TK 98** | **MY 200L4** | 404 |
| | 66 | 4360 | 22.37 | 20100 | 1.00 | **TKF 98** | **MY 200L4** | 405 |
| | 78 | 3690 | 18.96 | 20700 | 1.15 | **TKA 98** | **MY 200L4** | 406 |
| | 89 | 3230 | 16.56 | 21000 | 1.35 | **TKAF 98** | **MY 200L4** | 405 |
| | 106 | 2700 | 13.85 | 21200 | 1.60 | | | |
| | 123 | 2340 | 11.99 | 21100 | 1.65 | | | |
| | 141 | 2030 | 10.41 | 19500 | 1.40 | | | |
| | 169 | 1700 | 8.71 | 19400 | 1.55 | | | |
| **37** | 5.6 | 58800 | 261 | 190000 | 0.85 | **TK 188 / TRF108** | **MY 225S4** | 424 |
| | 6.6 | 49900 | 221 | 190000 | 1.00 | **TKH 188 / TRF108** | **MY 225S4** | 424 |
| | 7.6 | 43500 | 193 | 190000 | 1.15 | | | |
| | 9.0 | 36700 | 163 | 190000 | 1.35 | | | |
| | 8.2 | 40100 | 180 | 150000 | 0.80 | **TK 168 / TRF108** | **MY 225S4** | 424 |
| | 9.2 | 36000 | 160 | 150000 | 0.90 | **TKH 168 / TRF108** | **MY 225S4** | 424 |
| | 11 | 30500 | 135 | 150000 | 1.05 | | | |
| | 12 | 26600 | 118 | 150000 | 1.20 | | | |
| | 8.2 | 43200 | 179.86 | 190000 | 1.15 | **TK 188** | **MY 225S4** | 422 |
| | 8.9 | 39700 | 165.21 | 190000 | 1.25 | **TKH 188** | **MY 225S4** | 423 |
| | 10 | 34800 | 144.59 | 190000 | 1.45 | | | |
| | 11 | 31200 | 129.69 | 190000 | 1.60 | | | |
| | 13 | 27100 | 112.60 | 190000 | 1.85 | | | |
| | 14 | 24600 | 102.16 | 190000 | 2.0 | | | |
| | 17 | 21200 | 88.00 | 190000 | 2.4 | | | |
| | 13 | 26400 | 109.83 | 150000 | 1.20 | **TK 168** | **MY 225S4** | 420 |
| | 17 | 21100 | 87.86 | 150000 | 1.50 | **TKH 168** | **MY 225S4** | 421 |
| | 19 | 18800 | 78.14 | 150000 | 1.70 | | | |
| | 22 | 16400 | 68.07 | 150000 | 1.95 | | | |
| | 24 | 14600 | 60.74 | 150000 | 2.2 | | | |
| | 28 | 12400 | 51.77 | 150000 | 2.6 | | | |
| | 16 | 22000 | 91.65 | 83600 | 0.80 | **TK 158** | **MY 225S4** | 416 |
| | 18 | 19200 | 79.75 | 84500 | 0.95 | **TKF 158** | **MY 225S4** | 417 |
| | | | | | | **TKA 158** | **MY 225S4** | 418 |
| | | | | | | **TKAF 158** | **MY 225S4** | 417 |
| | 21 | 16900 | 70.38 | 84800 | 1.05 | **TK 158** | **MY 225S4** | 416 |
| | 24 | 14700 | 61.02 | 84600 | 1.25 | **TKF 158** | **MY 225S4** | 417 |
| | 27 | 13000 | 54.29 | 84100 | 1.40 | **TKA 158** | **MY 225S4** | 418 |
| | 31 | 11200 | 46.79 | 83200 | 1.60 | **TKAF 158** | **MY 225S4** | 417 |
| | 39 | 9140 | 38.02 | 81300 | 1.95 | | | |
| | 47 | 7520 | 31.30 | 79100 | 2.4 | | | |
| | 23 | 15000 | 62.60 | 57500 | 0.85 | **TK 128** | **MY 225S4** | 412 |
| | 27 | 13000 | 54.07 | 58500 | 1.00 | **TKF 128** | **MY 225S4** | 413 |
| | 31 | 11500 | 47.82 | 59000 | 1.15 | **TKA 128** | **MY 225S4** | 414 |
| | 37 | 9660 | 40.19 | 59100 | 1.35 | **TKAF 128** | **MY 225S4** | 413 |
| | 41 | 8710 | 36.25 | 59000 | 1.50 | **TK 128** | **MY 225S4** | 412 |
| | 47 | 7540 | 31.37 | 58500 | 1.70 | **TKF 128** | **MY 225S4** | 413 |
| | 53 | 6650 | 27.68 | 57800 | 1.95 | **TKA 128** | **MY 225S4** | 414 |
| | 62 | 5740 | 23.91 | 56900 | 2.3 | **TKAF 128** | **MY 225S4** | 413 |
| | 70 | 5080 | 21.15 | 56000 | 2.6 | | | |

| $P_{1n}$ [kW] | $n_2$ [r/min] | $M_{2n}$ [Nm] | i | $Fr_2$ [N] | fs |  |  | Page |
|---|---|---|---|---|---|---|---|---|
| **37** | 83 | 4270 | 17.77 | 54500 | 3.0 | **TK 128** | **MY 225S4** | 412 |
| | 102 | 3450 | 14.35 | 52500 | 3.5 | **TKF 128** | **MY 225S4** | 413 |
| | 115 | 3070 | 12.79 | 50200 | 2.8 | **TKA 128** | **MY 225S4** | 414 |
| | 137 | 2580 | 10.74 | 48600 | 3.1 | **TKAF 128** | **MY 225S4** | 413 |
| | 169 | 2090 | 8.68 | 46600 | 3.5 | | | |
| | 40 | 8890 | 37.00* | 29000 | 0.80 | **TK 108** | **MY 225S4** | 408 |
| | 47 | 7520 | 31.28* | 33000 | 0.90 | **TKF 108** | **MY 225S4** | 409 |
| | 51 | 6970 | 29.00 | 34200 | 1.05 | **TKA 108** | **MY 225S4** | 410 |
| | 56 | 6320 | 26.32 | 34500 | 1.15 | **TKAF 108** | **MY 225S4** | 409 |
| | 65 | 5440 | 22.62 | 34700 | 1.30 | | | |
| | 74 | 4740 | 19.74 | 34700 | 1.50 | | | |
| | 88 | 4020 | 16.75 | 34500 | 1.75 | | | |
| | 100 | 3520 | 14.64 | 34200 | 1.95 | | | |
| | 109 | 3230 | 13.43 | 32300 | 1.35 | | | |
| | 125 | 2820 | 11.73 | 32000 | 1.55 | | | |
| | 148 | 2390 | 9.94 | 31400 | 1.75 | | | |
| | 169 | 2090 | 8.69 | 30900 | 1.95 | | | |
| **45** | 6.6 | 60700 | 221.00 | 190000 | 0.80 | **TK 188 / TRF108** | **MY 225M4** | 424 |
| | 7.6 | 53000 | 193.00 | 190000 | 0.95 | **TKH 188 / TRF108** | **MY 225M4** | 424 |
| | 9.0 | 44800 | 163.00 | 190000 | 1.10 | | | |
| | 11 | 37100 | 135.00 | 150000 | 0.85 | **TK 168 / TRF108** | **MY 225M4** | 424 |
| | 12 | 32400 | 118.00 | 150000 | 1.00 | **TKH 168 / TRF108** | **MY 225M4** | 424 |
| | 8.2 | 52600 | 179.86 | 185500 | 0.95 | **TK 188** | **MY 225M4** | 422 |
| | 8.9 | 48300 | 165.21 | 190000 | 1.05 | **TKH 188** | **MY 225M4** | 423 |
| | 10 | 42300 | 144.59 | 190000 | 1.20 | | | |
| | 11 | 37900 | 129.69 | 190000 | 1.30 | | | |
| | 13 | 32900 | 112.60 | 190000 | 1.50 | | | |
| | 14 | 29900 | 102.16 | 190000 | 1.65 | | | |
| | 17 | 25700 | 88.00 | 190000 | 1.95 | | | |
| | 20 | 21600 | 73.96 | 187700 | 2.3 | | | |
| | 13 | 32100 | 109.83 | 150000 | 1.00 | **TK 168** | **MY 225M4** | 420 |
| | 17 | 25700 | 87.86 | 150000 | 1.25 | **TKH 168** | **MY 225M4** | 421 |
| | 19 | 22800 | 78.14 | 150000 | 1.40 | | | |
| | 22 | 19900 | 68.07 | 150000 | 1.60 | | | |
| | 24 | 17800 | 60.74 | 149000 | 1.80 | | | |
| | 28 | 15100 | 51.77 | 145300 | 2.1 | | | |
| | 34 | 12500 | 42.89 | 140600 | 2.6 | | | |
| | 21 | 20600 | 70.38 | 76800 | 0.85 | **TK 158** | **MY 225M4** | 416 |
| | 24 | 17800 | 61.02 | 77700 | 1.00 | **TKF 158** | **MY 225M4** | 417 |
| | 27 | 15900 | 54.29 | 77900 | 1.15 | **TKA 158** | **MY 225M4** | 418 |
| | 31 | 13700 | 46.79 | 77800 | 1.30 | **TKAF 158** | **MY 225M4** | 417 |
| | 39 | 11100 | 38.02 | 76900 | 1.60 | **TK 158** | **MY 225M4** | 416 |
| | 47 | 9150 | 31.30 | 75500 | 1.95 | **TKF 158** | **MY 225M4** | 417 |
| | 53 | 8080 | 27.62 | 74300 | 2.2 | **TKA 158** | **MY 225M4** | 418 |
| | 61 | 7000 | 23.95 | 72800 | 2.6 | **TKAF 158** | **MY 225M4** | 417 |
| | 69 | 6230 | 21.31 | 71500 | 2.9 | | | |
| | 80 | 5370 | 18.37 | 69700 | 3.4 | | | |
| | 31 | 14000 | 47.82 | 52800 | 0.95 | **TK 128** | **MY 225M4** | 412 |
| | 37 | 11700 | 40.19 | 53900 | 1.10 | **TKF 128** | **MY 225M4** | 413 |
| | 41 | 10600 | 36.25 | 54200 | 1.25 | **TKA 128** | **MY 225M4** | 414 |
| | | | | | | **TKAF 128** | **MY 225M4** | 413 |
| | 47 | 9170 | 31.37 | 54400 | 1.40 | **TK 128** | **MY 225M4** | 412 |
| | 53 | 8090 | 27.68 | 54200 | 1.60 | **TKF 128** | **MY 225M4** | 413 |
| | 62 | 6990 | 23.91 | 53800 | 1.85 | **TKA 128** | **MY 225M4** | 414 |
| | 70 | 6180 | 21.15 | 53200 | 2.1 | **TKAF 128** | **MY 225M4** | 413 |
| | 83 | 5190 | 17.77 | 52200 | 2.5 | | | |
| | 102 | 4190 | 14.35 | 50700 | 2.9 | | | |
| | 115 | 3740 | 12.79 | 48300 | 2.3 | | | |
| | 137 | 3140 | 10.74 | 47000 | 2.6 | | | |
| | 169 | 2540 | 8.68 | 45300 | 2.9 | | | |

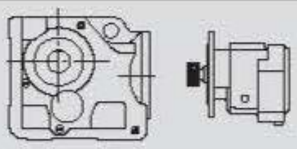
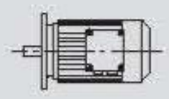
| $P_{1n}$ [kW] | $n_2$ [r/min] | $M_{2n}$ [Nm] | i | $Fr_2$ [N] | fs |  |  | Page |
|---|---|---|---|---|---|---|---|---|
| **45** | 51 | 8480 | 29.00 | 25600 | 0.85 | **TK 108** | **MY 225M4** | 408 |
| | 56 | 7690 | 26.32 | 28300 | 0.95 | **TKF 108** | **MY 225M4** | 409 |
| | 65 | 6610 | 22.62 | 31000 | 1.10 | **TKA 108** | **MY 225M4** | 410 |
| | 74 | 5770 | 19.74 | 31700 | 1.25 | **TKAF 108** | **MY 225M4** | 409 |
| | 88 | 4890 | 16.75 | 31900 | 1.45 | **TK 108** | **MY 225M4** | 408 |
| | 100 | 4280 | 14.64 | 31900 | 1.60 | **TKF 108** | **MY 225M4** | 409 |
| | 109 | 3930 | 13.43 | 29900 | 1.10 | **TKA 108** | **MY 225M4** | 410 |
| | 125 | 3430 | 11.73 | 29900 | 1.25 | **TKAF 108** | **MY 225M4** | 409 |
| | 148 | 2910 | 9.94 | 29600 | 1.45 | | | |
| | 169 | 2540 | 8.69 | 29300 | 1.60 | | | |
| **55** | 10 | 51500 | 144.59 | 187400 | 0.95 | **TK 188** | **MY 250M4** | 422 |
| | 11 | 46200 | 129.69 | 190000 | 1.10 | **TKH 188** | **MY 250M4** | 423 |
| | 13 | 40100 | 112.60 | 188500 | 1.25 | | | |
| | 14 | 36400 | 102.16 | 187100 | 1.35 | | | |
| | 17 | 31300 | 88.00 | 184200 | 1.60 | | | |
| | 20 | 26300 | 73.96 | 180200 | 1.90 | | | |
| | 23 | 22800 | 64.04 | 176300 | 2.2 | | | |
| | 17 | 31300 | 87.86 | 145300 | 1.00 | **TK 168** | **MY 250M4** | 420 |
| | 19 | 27800 | 78.14 | 144600 | 1.15 | **TKH 168** | **MY 250M4** | 421 |
| | 22 | 24200 | 68.07 | 143300 | 1.30 | | | |
| | 24 | 21600 | 60.74 | 141700 | 1.50 | | | |
| | 28 | 18400 | 51.77 | 139100 | 1.75 | | | |
| | 34 | 15300 | 42.89 | 135400 | 2.1 | | | |
| | 40 | 13000 | 36.61 | 131900 | 2.5 | | | |
| | 24 | 21700 | 61.02 | 69000 | 0.85 | **TK 158** | **MY 250M4** | 416 |
| | 27 | 19300 | 54.29 | 70200 | 0.95 | **TKF 158** | **MY 250M4** | 417 |
| | 32 | 16700 | 46.79 | 71200 | 1.10 | **TKA 158** | **MY 250M4** | 418 |
| | 39 | 13500 | 38.02 | 71500 | 1.35 | **TKAF 158** | **MY 250M4** | 417 |
| | 47 | 11100 | 31.30 | 71000 | 1.60 | | | |
| | 53 | 9840 | 27.62 | 70400 | 1.85 | | | |
| | 62 | 8530 | 23.95 | 69400 | 2.1 | | | |
| | 69 | 7590 | 21.31 | 68400 | 2.4 | | | |
| | 80 | 6540 | 18.37 | 67000 | 2.8 | | | |
| | 99 | 5310 | 14.92 | 64800 | 3.4 | | | |
| | 117 | 4510 | 12.65 | 62900 | 3.8 | | | |
| | 37 | 14300 | 40.19 | 47400 | 0.90 | **TK 128** | **MY 250M4** | 412 |
| | 47 | 11200 | 31.37 | 49300 | 1.15 | **TKF 128** | **MY 250M4** | 413 |
| | 53 | 9850 | 27.68 | 49700 | 1.30 | **TKA 128** | **MY 250M4** | 414 |
| | | | | | | **TKAF 128** | **MY 250M4** | 413 |
| | 62 | 8510 | 23.91 | 49900 | 1.55 | **TK 128** | **MY 250M4** | 412 |
| | 70 | 7530 | 21.15 | 49800 | 1.75 | **TKF 128** | **MY 250M4** | 413 |
| | 83 | 6330 | 17.77 | 49300 | 2.1 | **TKA 128** | **MY 250M4** | 414 |
| | 103 | 5110 | 14.35 | 48300 | 2.4 | **TKAF 128** | **MY 250M4** | 413 |
| | 115 | 4550 | 12.79 | 45900 | 1.85 | | | |
| | 137 | 3830 | 10.74 | 45000 | 2.1 | | | |
| | 170 | 3090 | 8.68 | 43600 | 2.3 | | | |
| **75** | 11 | 62800 | 129.69 | 164100 | 0.80 | **TK 188** | **MY 280S4** | 422 |
| | 13 | 54500 | 112.60 | 166100 | 0.90 | **TKH 188** | **MY 280S4** | 423 |
| | 14 | 49400 | 102.16 | 166600 | 1.00 | | | |
| | 17 | 42600 | 88.00 | 166600 | 1.15 | | | |
| | 20 | 35800 | 73.96 | 165300 | 1.40 | | | |
| | 23 | 31000 | 64.04 | 163400 | 1.60 | | | |
| | 28 | 25800 | 53.36 | 160100 | 1.95 | | | |
| | 33 | 22000 | 45.50* | 156700 | 2.3 | | | |
| | 19 | 37800 | 78.14 | 126100 | 0.85 | **TK 168** | **MY 280S4** | 420 |
| | 22 | 32900 | 68.07 | 127100 | 0.95 | **TKH 168** | **MY 280S4** | 421 |
| | 24 | 29400 | 60.74 | 127300 | 1.10 | | | |
| | 29 | 25100 | 51.77 | 126800 | 1.30 | | | |
| | 35 | 20800 | 42.89 | 125200 | 1.55 | | | |
| | 40 | 17700 | 36.61 | 123200 | 1.80 | | | |
| | 46 | 15600 | 32.25 | 121300 | 2.1 | | | |
| | 51 | 13900 | 28.77 | 119300 | 2.3 | | | |
| | 60 | 11900 | 24.52 | 116300 | 2.7 | | | |

| $P_{1n}$ [kW] | $n_2$ [r/min] | $M_{2n}$ [Nm] | i | $Fr_2$ [N] | fs |  |  | Page |
|---|---|---|---|---|---|---|---|---|
| **75** | 39 | 18400 | 38.02 | 60800 | 1.00 | **TK 158** | **MY 280S4** | 416 |
| | 47 | 15100 | 31.30 | 62200 | 1.20 | **TKF 158** | **MY 280S4** | 417 |
| | 54 | 13400 | 27.62 | 62600 | 1.35 | **TKA 158** | **MY 280S4** | 418 |
| | 62 | 11600 | 23.95 | 62600 | 1.55 | **TKAF 158** | **MY 280S4** | 417 |
| | 69 | 10300 | 21.31 | 62400 | 1.75 | | | |
| | 81 | 8890 | 18.37 | 61800 | 2.0 | | | |
| | 99 | 7220 | 14.92 | 60500 | 2.5 | | | |
| | 117 | 6120 | 12.65 | 59300 | 2.8 | | | |
| | 47 | 15200 | 31.37 | 39200 | 0.85 | **TK 128** | **MY 280S4** | 412 |
| | 53 | 13400 | 27.68 | 40800 | 0.95 | **TKF 128** | **MY 280S4** | 413 |
| | 62 | 11600 | 23.91 | 42200 | 1.10 | **TKA 128** | **MY 280S4** | 414 |
| | 70 | 10200 | 21.15 | 42900 | 1.25 | **TKAF 128** | **MY 280S4** | 413 |
| | 83 | 8600 | 17.77 | 43500 | 1.50 | | | |
| | 103 | 6940 | 14.35 | 43700 | 1.75 | | | |
| | 116 | 6190 | 12.79 | 41100 | 1.40 | | | |
| | 138 | 5200 | 10.74 | 41000 | 1.55 | | | |
| | 171 | 4200 | 8.68 | 40400 | 1.70 | | | |
| **90** | 14 | 59300 | 102.16 | 151300 | 0.85 | **TK 188** | **MY 280M4** | 422 |
| | 17 | 51100 | 88.00 | 153400 | 1.00 | **TKH 188** | **MY 280M4** | 423 |
| | 20 | 42900 | 73.96 | 154200 | 1.15 | | | |
| | 23 | 37200 | 64.04 | 153800 | 1.35 | | | |
| | 28 | 31000 | 53.36 | 152200 | 1.60 | | | |
| | 33 | 26400 | 45.50* | 149900 | 1.90 | | | |
| | 35 | 24700 | 42.51 | 148700 | 2.0 | | | |
| | 38 | 22400 | 38.57 | 146900 | 2.2 | | | |
| | 22 | 39500 | 68.07 | 115100 | 0.80 | **TK 168** | **MY 280M4** | 420 |
| | 24 | 35300 | 60.74 | 116600 | 0.90 | **TKH 168** | **MY 280M4** | 421 |
| | 29 | 30100 | 51.77 | 117600 | 1.05 | | | |
| | 35 | 24900 | 42.89 | 117600 | 1.30 | **TK 168** | **MY 280M4** | 420 |
| | 40 | 21300 | 36.61 | 116700 | 1.50 | **TKH 168** | **MY 280M4** | 421 |
| | 46 | 18700 | 32.25 | 115500 | 1.70 | | | |
| | 51 | 16700 | 28.77 | 114200 | 1.90 | | | |
| | 60 | 14200 | 24.52 | 111900 | 2.3 | | | |
| | 73 | 11800 | 20.32 | 108800 | 2.7 | | | |
| | 85 | 10100 | 17.34 | 106000 | 3.2 | | | |
| | 39 | 22100 | 38.02 | 52700 | 0.80 | **TK 158** | **MY 280M4** | 416 |
| | 62 | 13900 | 23.95 | 57500 | 1.30 | **TKF 158** | **MY 280M4** | 417 |
| | 69 | 12400 | 21.31 | 57900 | 1.45 | **TKA 158** | **MY 280M4** | 418 |
| | 81 | 10700 | 18.37 | 57900 | 1.70 | **TKAF 158** | **MY 280M4** | 417 |
| | 99 | 8670 | 14.92 | 57400 | 2.1 | | | |
| | 117 | 7350 | 12.65 | 56600 | 2.3 | | | |
| | 62 | 13900 | 23.91 | 36400 | 0.95 | **TK 128** | **MY 280M4** | 412 |
| | 70 | 12300 | 21.15 | 37800 | 1.05 | **TKF 128** | **MY 280M4** | 413 |
| | 83 | 10300 | 17.77 | 39200 | 1.25 | **TKA 128** | **MY 280M4** | 414 |
| | 103 | 8330 | 14.35 | 40200 | 1.45 | **TKAF 128** | **MY 280M4** | 413 |
| | 116 | 7420 | 12.79 | 37600 | 1.15 | | | |
| | 138 | 6240 | 10.74 | 38000 | 1.30 | | | |
| | 171 | 5040 | 8.68 | 38000 | 1.45 | | | |
| **110** | 17 | 62300 | 88.00 | 136000 | 0.80 | **TK 188** | **MY 315S4** | 422 |
| | 20 | 52300 | 73.96 | 139500 | 0.95 | **TKH 188** | **MY 315S4** | 423 |
| | 23 | 45300 | 64.04 | 141000 | 1.10 | | | |
| | 28 | 37700 | 53.36 | 141500 | 1.30 | | | |
| | 33 | 32200 | 45.50* | 140800 | 1.55 | | | |
| | 35 | 30100 | 42.51 | 140200 | 1.65 | | | |
| | 39 | 27300 | 38.57 | 139100 | 1.85 | | | |
| | 45 | 23500 | 33.23 | 137000 | 2.1 | | | |
| | 53 | 19800 | 27.92 | 134000 | 2.5 | | | |
| | 29 | 36600 | 51.77 | 105500 | 0.85 | **TK 168** | **MY 315S4** | 420 |
| | 35 | 30300 | 42.89 | 107500 | 1.05 | **TKH 168** | **MY 315S4** | 421 |
| | 41 | 25900 | 36.61 | 108100 | 1.25 | | | |
| | 46 | 22800 | 32.25 | 107900 | 1.40 | | | |
| | 52 | 20400 | 28.77 | 107400 | 1.55 | | | |

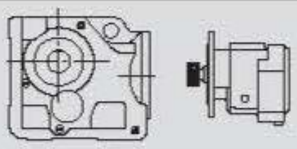
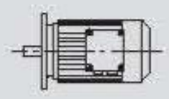
| $P_{1n}$ [kW] | $n_2$ [r/min] | $M_{2n}$ [Nm] | i | $Fr_2$ [N] | fs |  |  | Page  |
|---|---|---|---|---|---|---|---|---|
| **110** | 61 | 17300 | 24.52 | 106100 | 1.85 | **TK 168** | **MY 315S4** | 420 |
| | 73 | 14400 | 20.32 | 104000 | 2.2 | **TKH 168** | **MY 315S4** | 421 |
| | 86 | 12300 | 17.34 | 101800 | 2.6 | | | |
| | 62 | 16900 | 23.95 | 50800 | 1.05 | **TK 158** | **MY 315S4** | 416 |
| | 70 | 15100 | 21.31 | 51900 | 1.20 | **TKF 158** | **MY 315S4** | 417 |
| | 81 | 13000 | 18.37 | 52700 | 1.40 | **TKA 158** | **MY 315S4** | 418 |
| | 100 | 10600 | 14.92 | 53100 | 1.70 | **TKAF 158** | **MY 315S4** | 417 |
| | 117 | 8950 | 12.65 | 53000 | 1.90 | | | |
| **132** | 20 | 62800 | 73.96 | 123300 | 0.80 | **TK 188** | **MY 315M4** | 422 |
| | 23 | 54400 | 64.04 | 127000 | 0.90 | **TKH 188** | **MY 315M4** | 423 |
| | 28 | 45300 | 53.36 | 129800 | 1.10 | | | |
| | 33 | 38600 | 45.50* | 130800 | 1.30 | | | |
| | 35 | 36100 | 42.51 | 130900 | 1.40 | | | |
| | 39 | 32700 | 38.57 | 130700 | 1.55 | | | |
| | 45 | 28200 | 33.23 | 129800 | 1.75 | | | |
| | 53 | 23700 | 27.92 | 127900 | 2.1 | | | |
| | 61 | 20500 | 24.18 | 125900 | 2.3 | | | |
| | 74 | 17100 | 20.15 | 122800 | 2.6 | | | |
| | 86 | 14600 | 17.18 | 119700 | 2.8 | | | |
| | 35 | 36400 | 42.89 | 96400 | 0.90 | **TK 168** | **MY 315M4** | 420 |
| | 41 | 31100 | 36.61 | 98600 | 1.05 | **TKH 168** | **MY 315M4** | 421 |
| | 46 | 27400 | 32.25 | 99600 | 1.15 | | | |
| | 52 | 24400 | 28.77 | 99900 | 1.30 | **TK 168** | **MY 315M4** | 420 |
| | 61 | 20800 | 24.52 | 99800 | 1.55 | **TKH 168** | **MY 315M4** | 421 |
| | 73 | 17200 | 20.32 | 98700 | 1.85 | | | |
| | 86 | 14700 | 17.34 | 97300 | 2.2 | | | |
| | 62 | 20300 | 23.95 | 43400 | 0.90 | **TK 158** | **MY 315M4** | 416 |
| | 70 | 18100 | 21.31 | 45300 | 1.00 | **TKF 158** | **MY 315M4** | 417 |
| | 81 | 15600 | 18.37 | 47000 | 1.15 | **TKA 158** | **MY 315M4** | 418 |
| | 100 | 12700 | 14.92 | 48500 | 1.40 | **TKAF 158** | **MY 315M4** | 417 |
| | 117 | 10700 | 12.65 | 49100 | 1.60 | | | |
| **160** | 28 | 54900 | 53.36 | 114900 | 0.90 | **TK 188** | **MY 315M4A** | 422 |
| | 33 | 46800 | 45.50* | 118100 | 1.05 | **TKH 188** | **MY 315M4A** | 423 |
| | 45 | 34200 | 33.23 | 120500 | 1.45 | | | |
| | 53 | 28700 | 27.92 | 120100 | 1.75 | | | |
| | 61 | 24900 | 24.18 | 119100 | 1.90 | | | |
| | 74 | 20700 | 20.15 | 117200 | 2.1 | | | |
| | 86 | 17700 | 17.18 | 114900 | 2.3 | | | |
| | 41 | 37700 | 36.61 | 86500 | 0.85 | **TK 168** | **MY 315M4A** | 420 |
| | 61 | 25200 | 24.52 | 91700 | 1.25 | **TKH 168** | **MY 315M4A** | 421 |
| | 73 | 20900 | 20.32 | 92000 | 1.55 | | | |
| | 86 | 17800 | 17.34 | 91600 | 1.80 | | | |
| | 81 | 18900 | 18.37 | 39800 | 0.95 | **TK 158** | **MY 315M4A** | 416 |
| | 100 | 15400 | 14.92 | 42600 | 1.15 | **TKF 158** | **MY 315M4A** | 417 |
| | 117 | 13000 | 12.65 | 44100 | 1.30 | **TKA 158** | **MY 315M4A** | 418 |
| | | | | | | **TKAF 158** | **MY 315M4A** | 417 |
| **200** | 33 | 58500 | 45.50* | 100000 | 0.85 | **TK 188** | **MY 315M4B** | 422 |
| | 45 | 42700 | 33.23 | 107300 | 1.15 | **TKH 188** | **MY 315M4B** | 423 |
| | 53 | 35900 | 27.92 | 109000 | 1.40 | | | |
| | 61 | 31100 | 24.18 | 109500 | 1.55 | | | |
| | 74 | 25900 | 20.15 | 109100 | 1.70 | | | |
| | 86 | 22100 | 17.18 | 108100 | 1.85 | | | |
| | 61 | 31500 | 24.52 | 80100 | 1.00 | **TK 168** | **MY 315M4B** | 420 |
| | 73 | 26100 | 20.32 | 82400 | 1.20 | **TKH 168** | **MY 315M4B** | 421 |
| | 86 | 22300 | 17.34 | 83400 | 1.45 | | | |
| | 100 | 19200 | 14.92 | 34200 | 0.95 | **TK 158** | **MY 315M4B** | 416 |
| | 117 | 16300 | 12.65 | 36900 | 1.05 | **TKF 158** | **MY 315M4B** | 417 |
| | | | | | | **TKA 158** | **MY 315M4B** | 418 |
| | | | | | | **TKAF 158** | **MY 315M4B** | 417 |

## 5.3.3 TK../TRF..MY.. Performance parameter

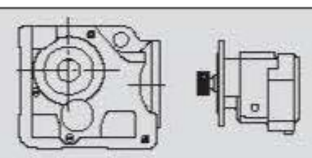
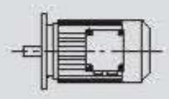
| $M_{2\ max}$ [Nm] | $n_2$ [r/min] | i | $Fr_2$ [N] | | | | Page |
|---|---|---|---|---|---|---|---|
| **200** | 0.20 | 6832 | 5640 | **TK** | **38 / TRF18** | **MY 63S4** | 424 |
| | 0.23 | 5922 | 5640 | **TKF** | **38 / TRF18** | **MY 63S4** | 424 |
| | 0.25 | 5491 | 5640 | **TKA** | **38 / TRF18** | **MY 63S4** | 424 |
| | 0.29 | 4759 | 5640 | **TKAF** | **38 / TRF18** | **MY 63S4** | 424 |
| | 0.33 | 4160 | 5640 | | | | |
| | 0.38 | 3645 | 5640 | | | | |
| | 0.43 | 3205 | 5640 | | | | |
| | 0.49 | 2801 | 5640 | | | | |
| | 0.56 | 2454 | 5640 | | | | |
| | 0.64 | 2166 | 5640 | | | | |
| | 0.73 | 1891 | 5640 | | | | |
| | 0.83 | 1660 | 5640 | | | | |
| | 0.94 | 1466 | 5640 | | | | |
| | 1.1 | 1288 | 5640 | | | | |
| | 1.2 | 1136 | 5640 | | | | |
| | 1.4 | 996 | 5640 | **TK** | **38 / TRF18** | **MY 63S4** | 424 |
| | 1.6 | 876 | 5640 | **TKF** | **38 / TRF18** | **MY 63S4** | 424 |
| | 1.8 | 761 | 5640 | **TKA** | **38 / TRF18** | **MY 63S4** | 424 |
| | 2.1 | 671 | 5640 | **TKAF** | **38 / TRF18** | **MY 63S4** | 424 |
| | 2.4 | 585 | 5640 | | | | |
| | 2.7 | 512 | 5640 | | | | |
| | 3.1 | 451 | 5640 | | | | |
| | 3.5 | 396 | 5640 | | | | |
| | 4.0 | 346 | 5640 | | | | |
| | 4.3 | 304 | 5640 | **TK** | **38 / TRF18** | **MY 63M4** | 424 |
| | 4.9 | 267 | 5640 | **TKF** | **38 / TRF18** | **MY 63M4** | 424 |
| | 5.7 | 234 | 5640 | **TKA** | **38 / TRF18** | **MY 63M4** | 424 |
| | 6.4 | 205 | 5640 | **TKAF** | **38 / TRF18** | **MY 63M4** | 424 |
| | 7.2 | 181 | 5640 | **TK** | **38 / TRF18** | **MY 63L4** | 424 |
| | 8.1 | 160 | 5640 | **TKF** | **38 / TRF18** | **MY 63L4** | 424 |
| | 9.5 | 136 | 5640 | **TKA** | **38 / TRF18** | **MY 63L4** | 424 |
| | 10 | 127 | 5640 | **TKAF** | **38 / TRF18** | **MY 63L4** | 424 |
| | 12 | 110 | 5640 | **TK** | **38 / TRF18** | **MY 71D4** | 424 |
| | 14 | 96 | 5640 | **TKF** | **38 / TRF18** | **MY 71D4** | 424 |
| | | | | **TKA** | **38 / TRF18** | **MY 71D4** | 424 |
| | | | | **TKAF** | **38 / TRF18** | **MY 71D4** | 424 |
| **400** | 0.14 | 10138 | 5920 | **TK** | **48 / TRF38** | **MY 63S4** | 424 |
| | 0.16 | 8534 | 5920 | **TKF** | **48 / TRF38** | **MY 63S4** | 424 |
| | 0.18 | 7662 | 5920 | **TKA** | **48 / TRF38** | **MY 63S4** | 424 |
| | 0.20 | 6826 | 5920 | **TKAF** | **48 / TRF38** | **MY 63S4** | 424 |
| | 0.23 | 5983 | 5920 | | | | |
| | 0.27 | 5159 | 5920 | | | | |
| | 0.30 | 4601 | 5920 | | | | |
| | 0.35 | 3940 | 5920 | | | | |
| | 0.40 | 3477 | 5920 | | | | |
| | 0.45 | 3043 | 5920 | | | | |
| | 0.51 | 2733 | 5920 | | | | |
| | 0.59 | 2354 | 5920 | | | | |
| | 0.67 | 2063 | 5920 | | | | |
| | 0.76 | 1819 | 5920 | | | | |
| | 0.87 | 1586 | 5920 | | | | |
| | 0.99 | 1388 | 5920 | | | | |
| | 1.1 | 1222 | 5920 | **TK** | **48 / TRF38** | **MY 63S4** | 424 |
| | 1.3 | 1097 | 5920 | **TKF** | **48 / TRF38** | **MY 63S4** | 424 |
| | 1.5 | 945 | 5920 | **TKA** | **48 / TRF38** | **MY 63S4** | 424 |
| | 1.7 | 831 | 5920 | **TKAF** | **48 / TRF38** | **MY 63S4** | 424 |

| $M_{2\ max}$ [Nm] | $n_2$ [r/min] | i | $Fr_2$ [N] |  | |  | Page  |
|---|---|---|---|---|---|---|---|
| **400** | 1.9 | 718 | 5920 | **TK** | **48 / TRF38** | **MY 63S4** | 424 |
| | 2.2 | 639 | 5920 | **TKF** | **48 / TRF38** | **MY 63S4** | 424 |
| | | | | **TKA** | **48 / TRF38** | **MY 63S4** | 424 |
| | | | | **TKAF** | **48 / TRF38** | **MY 63S4** | 424 |
| | 2.4 | 552 | 5920 | **TK** | **48 / TRF38** | **MY 63M4** | 424 |
| | 2.7 | 495 | 5920 | **TKF** | **48 / TRF38** | **MY 63M4** | 424 |
| | 3.1 | 426 | 5920 | **TKA** | **48 / TRF38** | **MY 63M4** | 424 |
| | | | | **TKAF** | **48 / TRF38** | **MY 63M4** | 424 |
| | 3.5 | 375 | 5920 | **TK** | **48 / TRF38** | **MY 63L4** | 424 |
| | 4.0 | 327 | 5920 | **TKF** | **48 / TRF38** | **MY 63L4** | 424 |
| | 4.5 | 289 | 5920 | **TKA** | **48 / TRF38** | **MY 63L4** | 424 |
| | | | | **TKAF** | **48 / TRF38** | **MY 63L4** | 424 |
| | 5.4 | 256 | 5920 | **TK** | **48 / TRF38** | **MY 71D4** | 424 |
| | 6.2 | 225 | 5920 | **TKF** | **48 / TRF38** | **MY 71D4** | 424 |
| | 7.0 | 198 | 5920 | **TKA** | **48 / TRF38** | **MY 71D4** | 424 |
| | | | | **TKAF** | **48 / TRF38** | **MY 71D4** | 424 |
| | 8.0 | 171 | 5920 | **TK** | **48 / TRF38** | **MY 80K4** | 424 |
| | 8.9 | 153 | 5920 | **TKF** | **48 / TRF38** | **MY 80K4** | 424 |
| | 10 | 131 | 5920 | **TKA** | **48 / TRF38** | **MY 80K4** | 424 |
| | | | | **TKAF** | **48 / TRF38** | **MY 80K4** | 424 |
| **600** | 0.11 | 12169 | 7630 | **TK** | **58 / TRF38** | **MY 63S4** | 424 |
| | 0.12 | 11162 | 7630 | **TKF** | **58 / TRF38** | **MY 63S4** | 424 |
| | 0.15 | 9503 | 7630 | **TKA** | **58 / TRF38** | **MY 63S4** | 424 |
| | 0.16 | 8547 | 7630 | **TKAF** | **58 / TRF38** | **MY 63S4** | 424 |
| | 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 | | | | |
| | 0.47 | 2924 | 7630 | | | | |
| | 0.53 | 2593 | 7630 | | | | |
| | 0.61 | 2249 | 7630 | | | | |
| | 0.70 | 1986 | 7630 | | | | |
| | 0.79 | 1743 | 7630 | **TK** | **58 / TRF38** | **MY 63S4** | 424 |
| | 0.90 | 1539 | 7630 | **TKF** | **58 / TRF38** | **MY 63S4** | 424 |
| | 1.0 | 1354 | 7630 | **TKA** | **58 / TRF38** | **MY 63S4** | 424 |
| | 1.2 | 1174 | 7630 | **TKAF** | **58 / TRF38** | **MY 63S4** | 424 |
| | 1.3 | 1036 | 7630 | | | | |
| | 1.5 | 906 | 7630 | **TK** | **58 / TRF38** | **MY 63M4** | 424 |
| | 1.6 | 806 | 7630 | **TKF** | **58 / TRF38** | **MY 63M4** | 424 |
| | 1.9 | 699 | 7630 | **TKA** | **58 / TRF38** | **MY 63M4** | 424 |
| | 2.1 | 615 | 7630 | **TKAF** | **58 / TRF38** | **MY 63M4** | 424 |
| | 2.4 | 544 | 7630 | **TK** | **58 / TRF38** | **MY 63L4** | 424 |
| | 2.8 | 473 | 7630 | **TKF** | **58 / TRF38** | **MY 63L4** | 424 |
| | 3.1 | 421 | 7630 | **TKA** | **58 / TRF38** | **MY 63L4** | 424 |
| | | | | **TKAF** | **58 / TRF38** | **MY 63L4** | 424 |
| | 3.8 | 362 | 7630 | **TK** | **58 / TRF38** | **MY 71D4** | 424 |
| | 4.3 | 319 | 7630 | **TKF** | **58 / TRF38** | **MY 71D4** | 424 |
| | 4.9 | 280 | 7630 | **TKA** | **58 / TRF38** | **MY 71D4** | 424 |
| | | | | **TKAF** | **58 / TRF38** | **MY 71D4** | 424 |
| | 5.5 | 246 | 7630 | **TK** | **58 / TRF38** | **MY 80K4** | 424 |
| | 6.3 | 215 | 7630 | **TKF** | **58 / TRF38** | **MY 80K4** | 424 |
| | 7.1 | 192 | 7630 | **TKA** | **58 / TRF38** | **MY 80K4** | 424 |
| | | | | **TKAF** | **58 / TRF38** | **MY 80K4** | 424 |
| | 8.3 | 166 | 7630 | **TK** | **58 / TRF38** | **MY 80N4** | 424 |
| | 9.6 | 145 | 7630 | **TKF** | **58 / TRF38** | **MY 80N4** | 424 |
| | 11 | 129 | 7630 | **TKA** | **58 / TRF38** | **MY 80N4** | 424 |
| | | | | **TKAF** | **58 / TRF38** | **MY 80N4** | 424 |

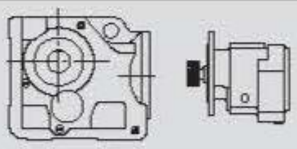
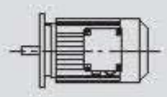
| $M_{2\ max}$ [Nm] | $n_2$ [r/min] | i | $Fr_2$ [N] | | | | Page |
|---|---|---|---|---|---|---|---|
| **600** | 13 | 111 | 7630 | **TK** | **58 / TRF38** | **MY 90S4** | 424 |
| | 14 | 97 | 7630 | **TKF** | **58 / TRF38** | **MY 90S4** | 424 |
| | | | | **TKA** | **58 / TRF38** | **MY 90S4** | 424 |
| | | | | **TKAF** | **58 / TRF38** | **MY 90S4** | 424 |
| **820** | 0.11 | 12139 | 10300 | **TK** | **68 / TRF38** | **MY 63S4** | 424 |
| | 0.12 | 11134 | 10300 | **TKF** | **68 / TRF38** | **MY 63S4** | 424 |
| | 0.15 | 9479 | 10300 | **TKA** | **68 / TRF38** | **MY 63S4** | 424 |
| | 0.17 | 8173 | 10300 | **TKAF** | **68 / TRF38** | **MY 63S4** | 424 |
| | 0.19 | 7259 | 10300 | | | | |
| | 0.21 | 6462 | 10300 | | | | |
| | 0.24 | 5648 | 10300 | | | | |
| | 0.28 | 4846 | 10300 | | | | |
| | 0.32 | 4329 | 10300 | | | | |
| | 0.37 | 3750 | 10300 | | | | |
| | 0.42 | 3315 | 10300 | | | | |
| | 0.47 | 2917 | 10300 | | | | |
| | 0.55 | 2532 | 10300 | | | | |
| | 0.62 | 2244 | 10300 | | | | |
| | 0.70 | 1981 | 10300 | | | | |
| | 0.79 | 1739 | 10300 | **TK** | **68 / TRF38** | **MY 63S4** | 424 |
| | 0.90 | 1535 | 10300 | **TKF** | **68 / TRF38** | **MY 63S4** | 424 |
| | 1.0 | 1351 | 10300 | **TKA** | **68 / TRF38** | **MY 63S4** | 424 |
| | | | | **TKAF** | **68 / TRF38** | **MY 63S4** | 424 |
| | 1.1 | 1171 | 10300 | **TK** | **68 / TRF38** | **MY 63M4** | 424 |
| | 1.3 | 1034 | 10300 | **TKF** | **68 / TRF38** | **MY 63M4** | 424 |
| | 1.5 | 903 | 10300 | **TKA** | **68 / TRF38** | **MY 63M4** | 424 |
| | 1.7 | 793 | 10300 | **TKAF** | **68 / TRF38** | **MY 63M4** | 424 |
| | 1.9 | 697 | 10300 | **TK** | **68 / TRF38** | **MY 63L4** | 424 |
| | 2.1 | 613 | 10300 | **TKF** | **68 / TRF38** | **MY 63L4** | 424 |
| | 2.4 | 542 | 10300 | **TKA** | **68 / TRF38** | **MY 63L4** | 424 |
| | | | | **TKAF** | **68 / TRF38** | **MY 63L4** | 424 |
| | 2.9 | 471 | 10300 | **TK** | **68 / TRF38** | **MY 71D4** | 424 |
| | 3.3 | 420 | 10300 | **TKF** | **68 / TRF38** | **MY 71D4** | 424 |
| | | | | **TKA** | **68 / TRF38** | **MY 71D4** | 424 |
| | | | | **TKAF** | **68 / TRF38** | **MY 71D4** | 424 |
| | 3.8 | 361 | 10300 | **TK** | **68 / TRF38** | **MY 80K4** | 424 |
| | 4.2 | 323 | 10300 | **TKF** | **68 / TRF38** | **MY 80K4** | 424 |
| | 4.9 | 279 | 10300 | **TKA** | **68 / TRF38** | **MY 80K4** | 424 |
| | 5.5 | 246 | 10300 | **TKAF** | **68 / TRF38** | **MY 80K4** | 424 |
| | 6.4 | 217 | 10300 | **TK** | **68 / TRF38** | **MY 80N4** | 424 |
| | 7.2 | 191 | 10300 | **TKF** | **68 / TRF38** | **MY 80N4** | 424 |
| | | | | **TKA** | **68 / TRF38** | **MY 80N4** | 424 |
| | | | | **TKAF** | **68 / TRF38** | **MY 80N4** | 424 |
| **1550** | 0.09 | 15310 | 15400 | **TK** | **78 / TRF38** | **MY 63S4** | 424 |
| | 0.10 | 14043 | 15400 | **TKF** | **78 / TRF38** | **MY 63S4** | 424 |
| | 0.12 | 11955 | 15400 | **TKA** | **78 / TRF38** | **MY 63S4** | 424 |
| | 0.14 | 10217 | 15400 | **TKAF** | **78 / TRF38** | **MY 63S4** | 424 |
| | 0.16 | 8809 | 15400 | | | | |
| | 0.18 | 7528 | 15400 | **TK** | **78 / TRF38** | **MY 63S4** | 424 |
| | 0.21 | 6606 | 15400 | **TKF** | **78 / TRF38** | **MY 63S4** | 424 |
| | 0.24 | 5774 | 15400 | **TKA** | **78 / TRF38** | **MY 63S4** | 424 |
| | 0.27 | 5089 | 15400 | **TKAF** | **78 / TRF38** | **MY 63S4** | 424 |
| | 0.31 | 4489 | 15400 | | | | |
| | 0.35 | 3961 | 15400 | | | | |
| | 0.40 | 3485 | 15400 | | | | |
| | 0.48 | 2901 | 15400 | | | | |
| | 0.51 | 2717 | 15400 | | | | |
| | 0.56 | 2370 | 15400 | **TK** | **78 / TRF38** | **MY 63M4** | 424 |
| | | | | **TKF** | **78 / TRF38** | **MY 63M4** | 424 |
| | | | | **TKA** | **78 / TRF38** | **MY 63M4** | 424 |
| | | | | **TKAF** | **78 / TRF38** | **MY 63M4** | 424 |

| $M_{2\ max}$ [Nm] | $n_2$ [r/min] | i | $Fr_2$ [N] |  | |  | Page |
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| **1550** | 0.64 | 2050 | 15400 | **TK** | **78 / TRF38** | **MY 63M4** | 424 |
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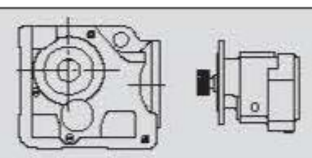
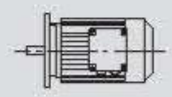
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| | 0.15 | 9083 | 40000 | | | | |
| | 0.17 | 8054 | 40000 | | | | |
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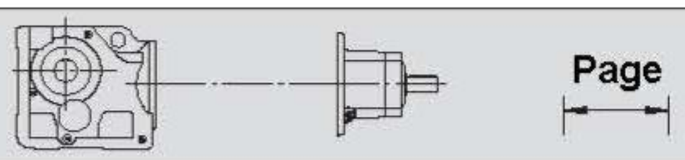
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| | | | | **TKF** | **128 / TRF88** | **MY 112M4** | 424 |
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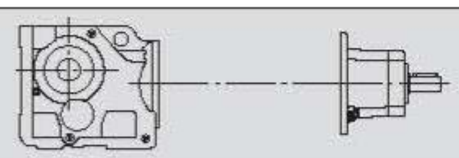
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| | 0.13 | 10114 | 112200 | **TKF 158 / TRF98** | **MY 80K4** | 424 |
| | 0.16 | 8718 | 112200 | **TKA 158 / TRF98** | **MY 80K4** | 424 |
| | 0.18 | 7734 | 112200 | **TKAF 158 / TRF98** | **MY 80K4** | 424 |
| | 0.28 | 5074 | 112200 | **TK 158 / TRF98** | **MY 90S4** | 424 |
| | 0.31 | 4514 | 112200 | **TKF 158 / TRF98** | **MY 90S4** | 424 |
| | 0.35 | 3979 | 112200 | **TKA 158 / TRF98** | **MY 90S4** | 424 |
| | 0.40 | 3516 | 112200 | **TKAF 158 / TRF98** | **MY 90S4** | 424 |
| | 0.46 | 3051 | 112200 | | | |
| | 0.54 | 2610 | 112200 | **TK 158 / TRF98** | **MY 90L4** | 424 |
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| | 1.0 | 1365 | 112200 | **TKF 158 / TRF98** | **MY 100M4** | 424 |
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| | | | | **TKAF 158 / TRF98** | **MY 100M4** | 424 |
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| | 1.3 | 1093 | 112200 | **TKF 158 / TRF98** | **MY 100L4** | 424 |
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| | | | | **TKAF 158 / TRF98** | **MY 100L4** | 424 |
| | 1.5 | 942 | 112200 | **TK 158 / TRF98** | **MY 112M4** | 424 |
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| | 3.3 | 434 | 112200 | **TKF 158 / TRF98** | **MY 132M4** | 424 |
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| | 6.3 | 230 | 112200 | **TKF 158 / TRF108** | **MY 160L4** | 424 |
| | 6.9 | 213 | 112200 | **TKA 158 / TRF108** | **MY 160L4** | 424 |
| | | | | **TKAF 158 / TRF108** | **MY 160L4** | 424 |
| **32000** | 0.07 | 19723 | 150000 | **TK 168 / TRF98** | **MY 80K4** | 424 |
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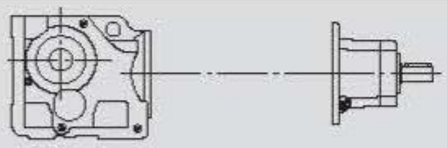
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| | 0.16 | 8628 | 150000 | **TK** | **168 / TRF98** | **MY 80N4** | 424 |
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| | 0.26 | 5355 | 150000 | **TKH** | **168 / TRF98** | **MY 90S4** | 424 |
| | 0.29 | 4788 | 150000 | **TK** | **168 / TRF98** | **MY 90L4** | 424 |
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| | 0.62 | 2263 | 150000 | **TK** | **168 / TRF98** | **MY 100L4** | 424 |
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| | 1.1 | 1296 | 150000 | **TK** | **168 / TRF98** | **MY 132S4** | 424 |
| | 1.3 | 1101 | 150000 | **TKH** | **168 / TRF98** | **MY 132S4** | 424 |
| | 1.5 | 944 | 150000 | **TK** | **168 / TRF98** | **MY 132M4** | 424 |
| | 1.7 | 843 | 150000 | **TKH** | **168 / TRF98** | **MY 132M4** | 424 |
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| | 2.3 | 632 | 150000 | **TK** | **168 / TRF98** | **MY 132ML4** | 424 |
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| | 3.5 | 423 | 150000 | **TK** | **168 / TRF98** | **MY 160L4** | 424 |
| | 4.0 | 369 | 150000 | **TKH** | **168 / TRF98** | **MY 160L4** | 424 |
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| | 6.0 | 244 | 150000 | **TKH** | **168 / TRF108** | **MY 180L4** | 424 |
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| | 7.1 | 206 | 150000 | **TKH** | **168 / TRF108** | **MY 200L4** | 424 |
| | 8.2 | 180 | 150000 | | | | |
| | 9.2 | 160 | 150000 | **TK** | **168 / TRF108** | **MY 225S4** | 424 |
| | | | | **TKH** | **168 / TRF108** | **MY 225S4** | 424 |
| | 11 | 135 | 150000 | **TK** | **168 / TRF108** | **MY 225M4** | 424 |
| | 12 | 118 | 150000 | **TKH** | **168 / TRF108** | **MY 225M4** | 424 |
| **50000** | 0.04 | 32625 | 189900 | **TK** | **188 / TRF98** | **MY 80K4** | 424 |
| | 0.05 | 27165 | 189900 | **TKH** | **188 / TRF98** | **MY 80K4** | 424 |
| | 0.06 | 24353 | 189900 | | | | |
| | 0.07 | 19144 | 189900 | | | | |
| | 0.08 | 16978 | 189900 | | | | |
| | 0.10 | 14272 | 189900 | **TK** | **188 / TRF98** | **MY 80N4** | 424 |
| | 0.11 | 13116 | 189900 | **TKH** | **188 / TRF98** | **MY 80N4** | 424 |
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| | 0.13 | 10413 | 189900 | **TK** | **188 / TRF98** | **MY 90S4** | 424 |
| | 0.15 | 9363 | 189900 | **TKH** | **188 / TRF98** | **MY 90S4** | 424 |
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| | 0.26 | 5358 | 189900 | **TK** | **188 / TRF98** | **MY 100M4** | 424 |
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| | 0.39 | 3609 | 189900 | **TK** | **188 / TRF98** | **MY 100L4** | 424 |
| | 0.46 | 3062 | 189900 | **TKH** | **188 / TRF98** | **MY 100L4** | 424 |
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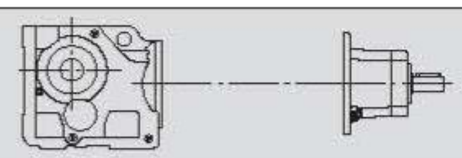
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| **50000** | 0.79 | 1821 | 189900 | **TK** | **188 / TRF98** | **MY 132S4** | 424 |
| | 0.89 | 1605 | 189900 | **TKH** | **188 / TRF98** | **MY 132S4** | 424 |
| | 1.0 | 1395 | 189900 | **TK** | **188 / TRF98** | **MY 132M4** | 424 |
| | 1.2 | 1196 | 189900 | **TKH** | **188 / TRF98** | **MY 132M4** | 424 |
| | 1.4 | 1046 | 189900 | **TK** | **188 / TRF98** | **MY 132ML4** | 424 |
| | 1.5 | 945 | 189900 | **TKH** | **188 / TRF98** | **MY 132ML4** | 424 |
| | 2.0 | 738 | 189900 | **TK** | **188 / TRF98** | **MY 160L4** | 424 |
| | 2.4 | 621 | 189900 | **TKH** | **188 / TRF98** | **MY 160L4** | 424 |
| | 2.8 | 527 | 189900 | **TK** | **188 / TRF98** | **MY 180M4** | 424 |
| | | | | **TKH** | **188 / TRF98** | **MY 180M4** | 424 |
| | 1.7 | 835 | 189900 | **TK** | **188 / TRF108** | **MY 160M4** | 424 |
| | | | | **TKH** | **188 / TRF108** | **MY 160M4** | 424 |
| | 2.0 | 729 | 189900 | **TK** | **188 / TRF108** | **MY 160L4** | 424 |
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| | 2.8 | 520 | 189900 | **TK** | **188 / TRF108** | **MY 180M4** | 424 |
| | 3.2 | 454 | 189900 | **TKH** | **188 / TRF108** | **MY 180M4** | 424 |
| | 4.1 | 355 | 189900 | **TK** | **188 / TRF108** | **MY 200L4** | 424 |
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| | 5.6 | 261 | 189900 | **TK** | **188 / TRF108** | **MY 225S4** | 424 |
| | | | | **TKH** | **188 / TRF108** | **MY 225S4** | 424 |
| | 6.6 | 221 | 189900 | **TK** | **188 / TRF108** | **MY 225M4** | 424 |
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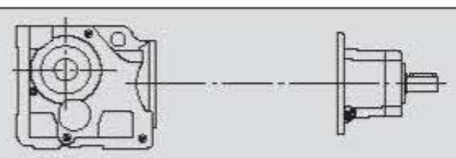
## *5.3.4 TK.. AD.. / Performance parameter*

| $M_{2\,max}$ [Nm] | $n_2$ [r/min] | i | $P_{1n}$ [kW] | $Fr_2$ [N] | $Fr_1$ [N] |  | | | Page |
|---|---|---|---|---|---|---|---|---|---|
| 200 | 13 | 106.38 | 0.32 | 5640 | 580 | **TK** | **38** | **AD1** | 427 |
| 200 | 14 | 97.81 | 0.35 | 5640 | 575 | **TKF** | **38** | **AD1** | 427 |
| 200 | 17 | 83.69 | 0.41 | 5640 | 560 | **TKA** | **38** | **AD1** | 427 |
| 200 | 19 | 72.54 | 0.46 | 5520 | 545 | **TKAF** | **38** | **AD1** | 427 |
| 200 | 21 | 67.80 | 0.50 | 5360 | 535 | | | | |
| 200 | 24 | 58.60 | 0.57 | 5020 | 510 | | | | |
| 200 | 28 | 49.79 | 0.66 | 4660 | 495 | | | | |
| 200 | 31 | 44.46 | 0.74 | 4420 | 470 | | | | |
| 200 | 37 | 37.97 | 0.86 | 4100 | 440 | | | | |
| 200 | 39 | 35.57 | 0.92 | 3970 | 425 | | | | |
| 200 | 47 | 29.96 | 1.1 | 3650 | 1710 | **TK** | **38** | **AD2** | 427 |
| 200 | 49 | 28.83 | 1.1 | 3580 | 1510 | **TKF** | **38** | **AD2** | 427 |
| 200 | 56 | 24.99 | 1.3 | 3330 | 1500 | **TKA** | **38** | **AD2** | 427 |
| 195 | 60 | 23.36 | 1.3 | 3260 | 1500 | **TKAF** | **38** | **AD2** | 427 |
| 185 | 69 | 20.19 | 1.5 | 3110 | 1500 | | | | |
| 180 | 82 | 17.15 | 1.7 | 2900 | 1490 | | | | |
| 175 | 91 | 15.31 | 1.8 | 2780 | 1490 | | | | |
| 165 | 107 | 13.08 | 2.0 | 2650 | 1490 | | | | |
| 160 | 115 | 12.14 | 2.1 | 2600 | 1270 | | | | |
| 160 | 133 | 10.49 | 2.4 | 2410 | 1230 | | | | |
| 160 | 157 | 8.91 | 2.8 | 2200 | 1200 | | | | |
| 155 | 176 | 7.96 | 3.0 | 2110 | 1190 | | | | |
| 150 | 206 | 6.80 | 3.4 | 1980 | 1170 | | | | |
| 145 | 220 | 6.37 | 3.6 | 1950 | 1180 | | | | |
| 140 | 261 | 5.36 | 4.1 | 1810 | 1140 | | | | |
| 125 | 352 | 3.98 | 4.8 | 1660 | 1110 | | | | |
| 400 | 11 | 131.87* | 0.52 | 5920 | 1530 | **TK** | **48** | **AD2** | 427 |
| 400 | 12 | 121.48* | 0.55 | 5920 | 1520 | **TKF** | **48** | **AD2** | 427 |
| 400 | 13 | 104.37 | 0.65 | 5920 | 1500 | **TKA** | **48** | **AD2** | 427 |
| 400 | 15 | 90.86 | 0.73 | 5920 | 1470 | **TKAF** | **48** | **AD2** | 427 |
| 400 | 16 | 85.12* | 0.78 | 5920 | 1460 | | | | |
| 400 | 19 | 75.20* | 0.88 | 5920 | 1430 | | | | |
| 400 | 20 | 69.84 | 0.94 | 5920 | 1400 | | | | |
| 400 | 22 | 63.30* | 1.0 | 5920 | 1380 | | | | |
| 400 | 25 | 56.83 | 1.1 | 5920 | 1660 | | | | |
| 400 | 29 | 48.95* | 1.3 | 5920 | 1640 | | | | |
| 400 | 30 | 46.03* | 1.4 | 5920 | 1640 | | | | |
| 400 | 35 | 39.61 | 1.6 | 5920 | 1620 | | | | |
| 400 | 40 | 35.39 | 1.8 | 5920 | 1600 | | | | |
| 400 | 45 | 31.30 | 2.0 | 5700 | 1290 | | | | |
| 400 | 48 | 29.32 | 2.2 | 5520 | 1280 | | | | |
| 400 | 54 | 25.91 | 2.4 | 5170 | 1250 | | | | |
| 400 | 58 | 24.06 | 2.6 | 4970 | 1230 | | | | |
| 400 | 64 | 21.81 | 2.9 | 4710 | 1220 | | | | |
| 400 | 72 | 19.58 | 3.2 | 4440 | 1190 | | | | |
| 380 | 83 | 16.86 | 3.5 | 4230 | 1190 | | | | |
| 380 | 88 | 15.86 | 3.7 | 4080 | 1170 | | | | |
| 360 | 103 | 13.65 | 4.1 | 3890 | 1170 | | | | |
| 350 | 115 | 12.19 | 4.5 | 3720 | 1140 | | | | |
| 280 | 119 | 11.77 | 3.7 | 4060 | 1020 | | | | |
| 280 | 133 | 10.56 | 4.1 | 3830 | 980 | | | | |
| 280 | 154 | 9.10 | 4.8 | 3540 | 930 | | | | |
| 270 | 164 | 8.56 | 4.9 | 3500 | 1960 | **TK** | **48** | **AD3** | 427 |
| 250 | 190 | 7.36 | 5.3 | 3390 | 1970 | **TKF** | **48** | **AD3** | 427 |
| 240 | 213 | 6.58 | 5.7 | 3270 | 1960 | **TKA** | **48** | **AD3** | 427 |
| 230 | 241 | 5.81 | 6.2 | 3140 | 1960 | **TKAF** | **48** | **AD3** | 427 |
| 205 | 302 | 4.64 | 6.8 | 2980 | 1920 | | | | |

| $M_{2\,max}$ [Nm] | $n_2$ [r/min] | i | $P_{1n}$ [kW] | $Fr_2$ [N] | $Fr_1$ [N] |  | | | Page |
|---|---|---|---|---|---|---|---|---|---|
| 600 | 9.7 | 145.14* | 0.69 | 7630 | 1270 | **TK** | **58** | **AD2** | 427 |
| 600 | 11 | 123.85 | 0.80 | 7630 | 1230 | **TKF** | **58** | **AD2** | 427 |
| 600 | 13 | 108.29 | 0.91 | 7630 | 1200 | **TKA** | **58** | **AD2** | 427 |
| 600 | 14 | 102.88* | 0.96 | 7630 | 1200 | **TKAF** | **58** | **AD2** | 427 |
| 600 | 16 | 90.26* | 1.1 | 7630 | 1600 | | | | |
| 600 | 18 | 76.56* | 1.3 | 7630 | 1590 | | | | |
| 600 | 20 | 69.12 | 1.4 | 7630 | 1580 | | | | |
| 600 | 23 | 60.81* | 1.6 | 7630 | 1570 | | | | |
| 600 | 24 | 57.42* | 1.7 | 7630 | 1560 | | | | |
| 600 | 29 | 48.89 | 2.0 | 7630 | 1530 | | | | |
| 600 | 32 | 44.43 | 2.2 | 7630 | 1520 | | | | |
| 600 | 36 | 38.49 | 2.5 | 7630 | 1490 | | | | |
| 600 | 39 | 35.70 | 2.6 | 7630 | 1150 | | | | |
| 600 | 46 | 30.28 | 3.1 | 7310 | 1110 | | | | |
| 600 | 51 | 27.34 | 3.4 | 6930 | 1090 | | | | |
| 600 | 58 | 24.05 | 3.9 | 6480 | 1060 | | | | |
| 600 | 62 | 22.71 | 4.1 | 6280 | 1040 | | | | |
| 575 | 72 | 19.34 | 4.6 | 5910 | 1010 | | | | |
| 555 | 80 | 17.57 | 4.9 | 5740 | 1010 | | | | |
| 535 | 92 | 15.22 | 5.5 | 5430 | 2020 | **TK** | **58** | **AD3** | 427 |
| 510 | 106 | 13.25 | 6.0 | 5190 | 2000 | **TKF** | **58** | **AD3** | 427 |
| 415 | 117 | 11.92 | 5.4 | 5150 | 1760 | **TKA** | **58** | **AD3** | 427 |
| 415 | 124 | 11.26 | 5.7 | 4990 | 1730 | **TKAF** | **58** | **AD3** | 427 |
| 405 | 146 | 9.59 | 6.6 | 4650 | 1680 | | | | |
| 390 | 161 | 8.71 | 7.0 | 4520 | 1680 | | | | |
| 365 | 186 | 7.55 | 7.5 | 4360 | 1680 | | | | |
| 345 | 213 | 6.57 | 8.2 | 4190 | 1670 | | | | |
| 300 | 298 | 4.69 | 9.8 | 3800 | 1630 | | | | |
| 820 | 9.7 | 144.79* | 0.92 | 10300 | 870 | **TK** | **68** | **AD2** | 427 |
| 820 | 11 | 123.54 | 1.1 | 10300 | 1530 | **TKF** | **68** | **AD2** | 427 |
| 820 | 13 | 108.03 | 1.2 | 10300 | 1510 | **TKA** | **68** | **AD2** | 427 |
| 820 | 14 | 102.62 | 1.3 | 10300 | 1510 | **TKAF** | **68** | **AD2** | 427 |
| 820 | 16 | 90.04 | 1.5 | 10300 | 1490 | | | | |
| 820 | 18 | 76.37 | 1.7 | 10300 | 1470 | | | | |
| 820 | 20 | 68.95 | 1.9 | 10300 | 1460 | | | | |
| 820 | 23 | 60.66 | 2.2 | 10300 | 1440 | | | | |
| 820 | 24 | 57.28 | 2.3 | 10300 | 1430 | | | | |
| 820 | 29 | 48.77 | 2.7 | 10300 | 1400 | | | | |
| 820 | 32 | 44.32 | 2.9 | 10300 | 1380 | | | | |
| 800 | 36 | 38.39 | 3.3 | 10500 | 1360 | | | | |
| 820 | 39 | 35.62 | 3.6 | 10300 | 870 | | | | |
| 820 | 46 | 30.22 | 4.3 | 10300 | 1840 | **TK** | **68** | **AD3** | 427 |
| 820 | 51 | 27.28 | 4.7 | 10300 | 1810 | **TKF** | **68** | **AD3** | 427 |
| 800 | 58 | 24.00 | 5.2 | 10500 | 1800 | **TKA** | **68** | **AD3** | 427 |
| 780 | 62 | 22.66 | 5.4 | 10700 | 1810 | **TKAF** | **68** | **AD3** | 427 |
| 760 | 73 | 19.30 | 6.1 | 10800 | 1760 | | | | |
| 740 | 80 | 17.54 | 6.6 | 11000 | 1750 | | | | |
| 700 | 92 | 15.19 | 7.2 | 11300 | 1740 | | | | |
| 670 | 106 | 13.22 | 7.9 | 11500 | 1710 | | | | |
| 530 | 112 | 12.48 | 6.6 | 12300 | 1550 | | | | |
| 500 | 132 | 10.63 | 7.3 | 11800 | 1540 | | | | |
| 480 | 145 | 9.66 | 7.8 | 11500 | 1540 | | | | |
| 440 | 167 | 8.37 | 8.2 | 11100 | 1570 | | | | |
| 420 | 192 | 7.28 | 9.0 | 10700 | 1550 | | | | |
| 350 | 269 | 5.20 | 10.3 | 9870 | 1560 | | | | |
| 1240 | 7.3 | 192.18 | 1.1 | 17200 | 575 | **TK** | **78** | **AD2** | 427 |
| 1160 | 7.8 | 179.37 | 1.1 | 17600 | 690 | **TKF** | **78** | **AD2** | 427 |
| 1550 | 9.1 | 154.02 | 1.6 | 15400 | 1360 | **TKA** | **78** | **AD2** | 427 |
| 1550 | 10 | 135.28 | 1.8 | 15400 | 1350 | **TKAF** | **78** | **AD2** | 427 |
| 1550 | 11 | 128.52 | 1.9 | 15400 | 1350 | | | | |
| 1550 | 12 | 113.56 | 2.2 | 15400 | 1310 | | | | |
| 1550 | 14 | 97.05 | 2.5 | 15400 | 1280 | | | | |
| 1550 | 16 | 88.97 | 2.7 | 15400 | 1270 | | | | |

| $M_{2\,max}$ [Nm] | $n_2$ [r/min] | i | $P_{1n}$ [kW] | $Fr_2$ [N] | $Fr_1$ [N] |  | | | Page |
|---|---|---|---|---|---|---|---|---|---|
| 1550 | 18 | 78.07 | 3.1 | 15400 | 1250 | **TK** | **78** | **AD2** | 427 |
| 1550 | 19 | 73.99 | 3.3 | 15400 | 1240 | **TKF** | **78** | **AD2** | 427 |
| 1550 | 22 | 64.75 | 3.8 | 15400 | 1210 | **TKA** | **78** | **AD2** | 427 |
| 1550 | 24 | 58.34 | 4.2 | 15400 | 1170 | **TKAF** | **78** | **AD2** | 427 |
| 1550 | 27 | 51.18 | 4.7 | 15400 | 1140 | | | | |
| 1550 | 31 | 45.16 | 5.4 | 15400 | 1090 | | | | |
| 1550 | 35 | 40.04 | 6.1 | 15400 | 2090 | **TK** | **78** | **AD3** | 427 |
| 1490 | 36 | 38.39 | 6.1 | 15800 | 1450 | **TKF** | **78** | **AD3** | 427 |
| 1410 | 40 | 35.20 | 6.2 | 16300 | 1510 | **TKA** | **78** | **AD3** | 427 |
| 1550 | 45 | 30.89 | 7.8 | 15400 | 1230 | **TKAF** | **78** | **AD3** | 427 |
| 1550 | 48 | 29.27 | 8.3 | 15400 | 3290 | **TK** | **78** | **AD4** | 427 |
| 1550 | 55 | 25.62 | 9.4 | 15400 | 3240 | **TKF** | **78** | **AD4** | 427 |
| 1550 | 61 | 23.08 | 10.5 | 15400 | 3170 | **TKA** | **78** | **AD4** | 427 |
| 1500 | 69 | 20.25 | 11.6 | 15700 | 3140 | **TKAF** | **78** | **AD4** | 427 |
| 1450 | 78 | 17.87 | 12.7 | 16100 | 3120 | | | | |
| 1400 | 88 | 15.84 | 13.8 | 15500 | 3090 | | | | |
| 1340 | 104 | 13.52 | 15.5 | 14800 | 3050 | | | | |
| 1000 | 113 | 12.36 | 12.6 | 15100 | 2860 | | | | |
| 990 | 129 | 10.84 | 14.2 | 14400 | 2790 | | | | |
| 940 | 146 | 9.56 | 15.3 | 13900 | 2790 | | | | |
| 890 | 165 | 8.48 | 16.4 | 13500 | 2800 | | | | |
| 785 | 193 | 7.24 | 16.9 | 13200 | 2890 | | | | |
| 2700 | 7.1 | 197.37 | 2.2 | 28100 | 1170 | **TK** | **88** | **AD2** | 427 |
| 2700 | 8 | 174.19 | 2.4 | 28100 | 1150 | **TKF** | **88** | **AD2** | 427 |
| 2700 | 8.5 | 164.34* | 2.6 | 28100 | 1140 | **TKA** | **88** | **AD2** | 427 |
| 2700 | 9.5 | 147.32* | 2.9 | 28100 | 1120 | **TKAF** | **88** | **AD2** | 427 |
| 2700 | 11 | 126.91* | 3.4 | 28100 | 1090 | | | | |
| 2700 | 12 | 115.82 | 3.7 | 28100 | 1080 | | | | |
| 2700 | 14 | 102.71* | 4.1 | 28100 | 1060 | | | | |
| 2700 | 16 | 86.34 | 4.9 | 28100 | 1010 | | | | |
| 2700 | 18 | 79.34 | 5.4 | 28100 | 1940 | **TK** | **88** | **AD3** | 427 |
| 2700 | 20 | 70.46 | 6.0 | 27400 | 1900 | **TKF** | **88** | **AD3** | 427 |
| 2700 | 22 | 63.00* | 6.8 | 26200 | 1870 | **TKA** | **88** | **AD3** | 427 |
| 2700 | 25 | 56.64 | 7.5 | 25000 | 1830 | **TKAF** | **88** | **AD3** | 427 |
| 2700 | 28 | 49.16 | 8.6 | 23500 | 1770 | | | | |
| 2600 | 32 | 44.02 | 9.2 | 22800 | 1760 | | | | |
| 2500 | 38 | 36.52* | 10.7 | 21400 | 1700 | | | | |
| 2700 | 45 | 31.39 | 13.4 | 19200 | 2750 | **TK** | **88** | **AD4** | 427 |
| 2600 | 50 | 27.88 | 14.5 | 18500 | 2750 | **TKF** | **88** | **AD4** | 427 |
| 2500 | 56 | 24.92 | 15.6 | 18000 | 2750 | **TKA** | **88** | **AD4** | 427 |
| 2300 | 62 | 22.41 | 16.0 | 17900 | 2840 | **TKAF** | **88** | **AD4** | 427 |
| 2300 | 72 | 19.45 | 18.4 | 16800 | 2730 | | | | |
| 2200 | 80 | 17.42 | 20 | 16300 | 2730 | | | | |
| 1800 | 88 | 16.00 | 17.5 | 16000 | 2020 | | | | |
| 2100 | 97 | 14.45 | 23 | 15300 | 2640 | | | | |
| 2000 | 111 | 12.56 | 25 | 14800 | 2620 | | | | |
| 1500 | 125 | 11.17 | 21 | 14900 | 2370 | | | | |
| 1500 | 140 | 10.00 | 23 | 14200 | 5570 | **TK** | **88** | **AD5** | 427 |
| 1400 | 169 | 8.29 | 26 | 13500 | 5520 | **TKF** | **88** | **AD5** | 427 |
| 1300 | 194 | 7.21 | 28 | 13200 | 5570 | **TKA** | **88** | **AD5** | 427 |
| | | | | | | **TKAF** | **88** | **AD5** | 427 |
| 4300 | 8 | 176.05* | 3.8 | 40000 | 1780 | **TK** | **98** | **AD3** | 427 |
| 4300 | 9.1 | 153.21* | 4.4 | 40000 | 1760 | **TKF** | **98** | **AD3** | 427 |
| 4300 | 10 | 140.28 | 4.8 | 40000 | 1740 | **TKA** | **98** | **AD3** | 427 |
| 4300 | 11 | 123.93* | 5.5 | 40000 | 1720 | **TKAF** | **98** | **AD3** | 427 |
| 4300 | 13 | 105.13 | 6.4 | 40000 | 1680 | | | | |
| 4300 | 14 | 96.80 | 7.0 | 40000 | 1650 | | | | |
| 4300 | 16 | 86.52 | 7.8 | 38800 | 1610 | | | | |
| 4300 | 18 | 77.89* | 8.6 | 37100 | 1570 | | | | |
| 4300 | 20 | 70.54 | 9.5 | 35600 | 1530 | | | | |
| 4300 | 22 | 62.55 | 10.8 | 33800 | 3520 | **TK** | **98** | **AD4** | 427 |
| 4300 | 25 | 56.55 | 12.0 | 32300 | 3470 | **TKF** | **98** | **AD4** | 427 |
| 4300 | 29 | 47.93* | 14.0 | 30000 | 3390 | **TKA** | **98** | **AD4** | 427 |
| 4300 | 33 | 41.87 | 16.0 | 28300 | 3320 | **TKAF** | **98** | **AD4** | 427 |

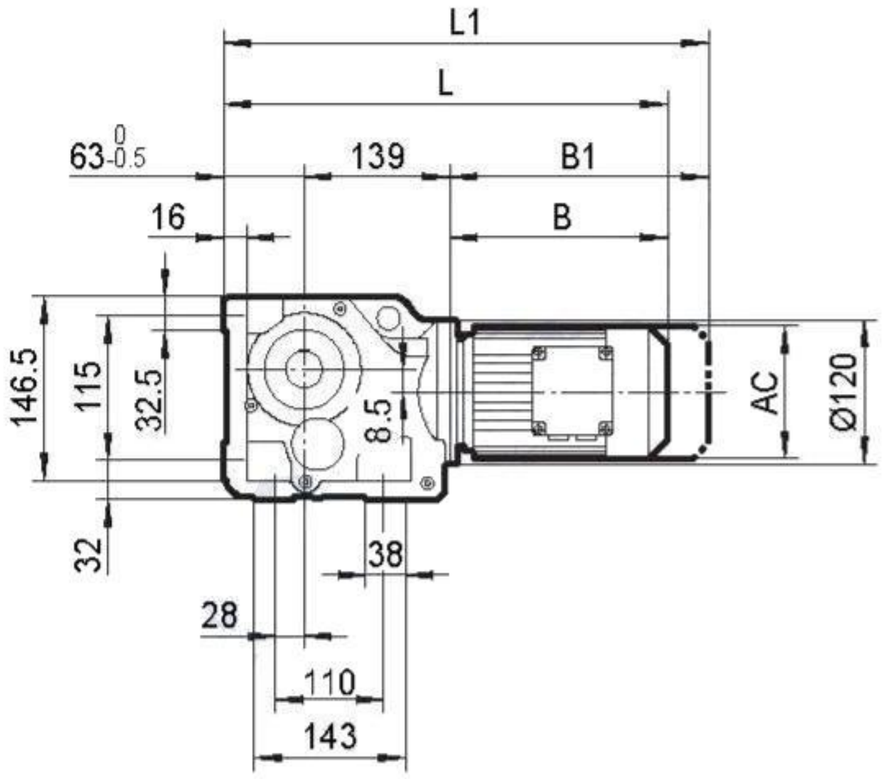
| $M_{2\,max}$ [Nm] | $n_2$ [r/min] | i | $P_{1n}$ [kW] | $Fr_2$ [N] | $Fr_1$ [N] |  | | | Page |
|---|---|---|---|---|---|---|---|---|---|
| 4300 | 37 | 38.30 | 17.5 | 27100 | 5270 | **TK** | **98** | **AD5** | 427 |
| 4300 | 41 | 34.23 | 20 | 25700 | 5200 | **TKF** | **98** | **AD5** | 427 |
| 4300 | 45 | 30.82 | 22 | 24500 | 5130 | **TKA** | **98** | **AD5** | 427 |
| 4300 | 50 | 27.91 | 24 | 23300 | 5050 | **TKAF** | **98** | **AD5** | 427 |
| 4300 | 57 | 24.75 | 27 | 22000 | 4960 | | | | |
| 4300 | 63 | 22.37 | 30 | 20900 | 4860 | | | | |
| 4300 | 74 | 18.96 | 35 | 19100 | 4660 | | | | |
| 4300 | 85 | 16.56 | 40 | 17800 | 4500 | | | | |
| 4300 | 101 | 13.85 | 48 | 16100 | 7180 | **TK** | **98** | **AD6** | 427 |
| 3890 | 117 | 11.99 | 50 | 16200 | 7280 | **TKF** | **98** | **AD6** | 427 |
| | | | | | | **TKA** | **98** | **AD6** | 427 |
| | | | | | | **TKAF** | **98** | **AD6** | 427 |
| 2870 | 134 | 10.41 | 43 | 16400 | 4300 | **TK** | **98** | **AD5** | 427 |
| | | | | | | **TKF** | **98** | **AD5** | 427 |
| | | | | | | **TKA** | **98** | **AD5** | 427 |
| | | | | | | **TKAF** | **98** | **AD5** | 427 |
| 2660 | 161 | 8.71 | 48 | 15800 | 7230 | **TK** | **98** | **AD6** | 427 |
| | | | | | | **TKF** | **98** | **AD6** | 427 |
| | | | | | | **TKA** | **98** | **AD6** | 427 |
| | | | | | | **TKAF** | **98** | **AD6** | 427 |
| 8000 | 9.8 | 143.47* | 8.8 | 65000 | 3090 | **TK** | **108** | **AD4** | 427 |
| 8000 | 12 | 121.46 | 10.3 | 61700 | 3030 | **TKF** | **108** | **AD4** | 427 |
| 8000 | 12 | 112.41* | 11.1 | 59700 | 2980 | **TKA** | **108** | **AD4** | 427 |
| 8000 | 14 | 100.75 | 12.4 | 57000 | 2940 | **TKAF** | **108** | **AD4** | 427 |
| 8000 | 15 | 90.96* | 13.7 | 54600 | 2850 | | | | |
| 8000 | 17 | 82.61 | 15.1 | 52400 | 2810 | | | | |
| 8000 | 19 | 73.30 | 17 | 49700 | 2740 | | | | |
| 8000 | 21 | 66.52* | 19 | 47600 | 2680 | | | | |
| 8000 | 24 | 57.17* | 22 | 44400 | 2560 | | | | |
| 7840 | 28 | 49.90 | 24 | 42200 | 2500 | | | | |
| 7360 | 33 | 42.33* | 27 | 40500 | 5720 | **TK** | **108** | **AD5** | 427 |
| 7200 | 38 | 37.00* | 30 | 38500 | 5640 | **TKF** | **108** | **AD5** | 427 |
| 7200 | 43 | 32.69 | 34 | 36300 | 3290 | **TKA** | **108** | **AD5** | 427 |
| 6800 | 45 | 31.28* | 34 | 36700 | 5620 | **TKAF** | **108** | **AD5** | 427 |
| 7200 | 48 | 29.00 | 39 | 34000 | 6580 | **TK** | **108** | **AD6** | 427 |
| 7200 | 53 | 26.32 | 43 | 32000 | 6460 | **TKF** | **108** | **AD6** | 427 |
| 7200 | 62 | 22.62 | 49 | 28900 | 6250 | **TKA** | **108** | **AD6** | 427 |
| 7170 | 71 | 19.74 | 56 | 26300 | 6010 | **TKAF** | **108** | **AD6** | 427 |
| 6080 | 84 | 16.75 | 56 | 29000 | 6470 | | | | |
| 5310 | 96 | 14.64 | 56 | 29500 | 6770 | | | | |
| 4300 | 104 | 13.43 | 49 | 29200 | 6220 | | | | |
| 4260 | 119 | 11.73 | 56 | 27600 | 6010 | | | | |
| 3610 | 141 | 9.94 | 56 | 27800 | 6470 | | | | |
| 3150 | 161 | 8.69 | 56 | 27800 | 6780 | | | | |
| 13000 | 9.6 | 146.07 | 13.9 | 81300 | 2410 | **TK** | **128** | **AD4** | 427 |
| 13000 | 10 | 136.14 | 14.9 | 81300 | 2340 | **TKF** | **128** | **AD4** | 427 |
| 13000 | 11 | 122.48 | 16.6 | 81300 | 2250 | **TKA** | **128** | **AD4** | 427 |
| 13000 | 13 | 110.18 | 18.4 | 81300 | 2110 | **TKAF** | **128** | **AD4** | 427 |
| 13000 | 16 | 89.89 | 23 | 75100 | 5380 | **TK** | **128** | **AD5** | 427 |
| 13000 | 17 | 81.98 | 25 | 72100 | 5320 | **TKF** | **128** | **AD5** | 427 |
| 13000 | 20 | 70.95* | 29 | 67700 | 5200 | **TKA** | **128** | **AD5** | 427 |
| 13000 | 22 | 62.60 | 32 | 64000 | 5100 | **TKAF** | **128** | **AD5** | 427 |
| 13000 | 26 | 54.07 | 37 | 59900 | 4960 | | | | |
| 13000 | 29 | 47.82 | 42 | 56500 | 4820 | | | | |
| 13000 | 35 | 40.19 | 50 | 52000 | 7530 | **TK** | **128** | **AD6** | 427 |
| | | | | | | **TKF** | **128** | **AD6** | 427 |
| | | | | | | **TKA** | **128** | **AD6** | 427 |
| | | | | | | **TKAF** | **128** | **AD6** | 427 |
| 13000 | 39 | 36.25 | 55 | 49400 | 11300 | **TK** | **128** | **AD7** | 427 |
| 13000 | 45 | 31.37 | 64 | 45900 | 10300 | **TKF** | **128** | **AD7** | 427 |
| 13000 | 51 | 27.68 | 72 | 43000 | 9460 | **TKA** | **128** | **AD7** | 427 |
| 13000 | 59 | 23.91 | 84 | 39800 | 8300 | **TKAF** | **128** | **AD7** | 427 |

| $M_{2\,max}$ [Nm] | $n_2$ [r/min] | i | $P_{1n}$ [kW] | $Fr_2$ [N] | $Fr_1$ [N] |  | | | Page |
|---|---|---|---|---|---|---|---|---|---|
| 13000 | 66 | 21.15 | 95 | 37200 | 24500 | **TK** | **128** | **AD8** | 427 |
| 13000 | 79 | 17.77 | 113 | 33600 | 24100 | **TKF** | **128** | **AD8** | 427 |
| 12100 | 98 | 14.35 | 130 | 31800 | 23900 | **TKA** | **128** | **AD8** | 427 |
| 8530 | 110 | 12.79 | 103 | 35400 | 24000 | **TKAF** | **128** | **AD8** | 427 |
| 8000 | 130 | 10.74 | 115 | 33900 | 24000 | | | | |
| 7230 | 161 | 8.68 | 129 | 32500 | 24000 | | | | |
| 18000 | 9.3 | 150.41 | 19 | 115200 | 5200 | **TK** | **158** | **AD5** | 427 |
| 18000 | 11 | 122.39 | 23 | 106500 | 5080 | **TKF** | **158** | **AD5** | 427 |
| 18000 | 14 | 100.22 | 28 | 98000 | 4890 | **TKA** | **158** | **AD5** | 427 |
| 18000 | 15 | 91.65 | 31 | 94400 | 4820 | **TKAF** | **158** | **AD5** | 427 |
| 18000 | 18 | 79.75 | 35 | 88900 | 4700 | | | | |
| 18000 | 20 | 70.38 | 40 | 84200 | 4580 | | | | |
| 18000 | 23 | 61.02 | 46 | 79000 | 4420 | | | | |
| 18000 | 26 | 54.29 | 52 | 74900 | 7230 | **TK** | **158** | **AD6** | 427 |
| | | | | | | **TKF** | **158** | **AD6** | 427 |
| | | | | | | **TKA** | **158** | **AD6** | 427 |
| | | | | | | **TKAF** | **158** | **AD6** | 427 |
| 18000 | 30 | 46.79 | 60 | 70000 | 17100 | **TK** | **158** | **AD7** | 427 |
| 18000 | 37 | 38.02 | 73 | 63300 | 16800 | **TKF** | **158** | **AD7** | 427 |
| | | | | | | **TKA** | **158** | **AD7** | 427 |
| | | | | | | **TKAF** | **158** | **AD7** | 427 |
| 17700 | 45 | 31.30 | 87 | 58200 | 23600 | **TK** | **158** | **AD8** | 427 |
| 16000 | 51 | 27.62 | 89 | 58300 | 24000 | **TKF** | **158** | **AD8** | 427 |
| 18000 | 58 | 23.95 | 116 | 50000 | 23000 | **TKA** | **158** | **AD8** | 427 |
| 18000 | 66 | 21.31 | 130 | 47000 | 22700 | **TKAF** | **158** | **AD8** | 427 |
| 18000 | 76 | 18.37 | 151 | 43200 | 22300 | | | | |
| 18000 | 94 | 14.92 | 186 | 38200 | 21500 | | | | |
| 17000 | 111 | 12.65 | 207 | 36700 | 21300 | | | | |
| 29500 | 8.5 | 164.50 | 28 | 150000 | 2980 | **TK** | **168** | **AD5** | 427 |
| | | | | | | **TKH** | **168** | **AD5** | 427 |
| 32000 | 10 | 134.99 | 37 | 150000 | 5910 | **TK** | **168** | **AD6** | 427 |
| 32000 | 13 | 109.83 | 45 | 150000 | 5450 | **TKH** | **168** | **AD6** | 427 |
| 32000 | 16 | 87.86 | 56 | 147200 | 13300 | **TK** | **168** | **AD7** | 427 |
| 32000 | 18 | 78.14 | 63 | 140100 | 12800 | **TKH** | **168** | **AD7** | 427 |
| 32000 | 21 | 68.07 | 73 | 132000 | 12000 | | | | |
| 32000 | 23 | 60.74 | 81 | 125600 | 11200 | | | | |
| 32000 | 27 | 51.77 | 95 | 117000 | 25000 | **TK** | **168** | **AD8** | 427 |
| 32000 | 33 | 42.89 | 115 | 107400 | 24600 | **TKH** | **168** | **AD8** | 427 |
| 32000 | 38 | 36.61 | 135 | 99700 | 24200 | | | | |
| 28100 | 43 | 32.25 | 134 | 100900 | 21400 | | | | |
| 25100 | 49 | 28.77 | 135 | 101300 | 22100 | | | | |
| 32000 | 57 | 24.52 | 201 | 81700 | 19200 | | | | |
| 31000 | 69 | 20.32 | 235 | 75900 | 18800 | | | | |
| 28100 | 81 | 17.34 | 250 | 75000 | 19100 | | | | |
| 50000 | 7.8 | 179.86 | 43 | 189900 | 6070 | **TK** | **188** | **AD6** | 427 |
| 50000 | 8.5 | 165.21 | 47 | 189900 | 5930 | **TKH** | **188** | **AD6** | 427 |
| 50000 | 9.7 | 144.59 | 54 | 189900 | 5620 | | | | |
| 50000 | 11 | 129.69 | 60 | 188200 | 14400 | **TK** | **188** | **AD7** | 427 |
| 50000 | 12 | 112.60 | 69 | 177200 | 13600 | **TKH** | **188** | **AD7** | 427 |
| 50000 | 14 | 102.16 | 76 | 169900 | 13200 | | | | |
| 50000 | 16 | 88.00 | 89 | 159000 | 25500 | **TK** | **188** | **AD8** | 427 |
| 50000 | 19 | 73.96 | 105 | 147000 | 25200 | **TKH** | **188** | **AD8** | 427 |
| 50000 | 22 | 64.04 | 120 | 137500 | 24900 | | | | |
| 50000 | 26 | 53.36 | 145 | 126100 | 24400 | | | | |
| 50000 | 31 | 45.50* | 170 | 116600 | 23900 | | | | |
| 40000 | 33 | 42.51 | 145 | 128200 | 20900 | **TK** | **188** | **AD8** | 427 |
| 40000 | 36 | 38.57 | 160 | 122700 | 20700 | **TKH** | **188** | **AD8** | 427 |
| 46400 | 42 | 33.23 | 216 | 104700 | 18700 | | | | |
| 43300 | 50 | 27.92 | 239 | 100500 | 18800 | | | | |
| 39100 | 58 | 24.18 | 250 | 99900 | 19300 | | | | |
| 32600 | 69 | 20.15 | 250 | 101500 | 20200 | | | | |
| 32000 | 82 | 17.18 | 287 | 95300 | 19600 | | | | |

## 5.4 OUTLINE DIMENSION SHEET

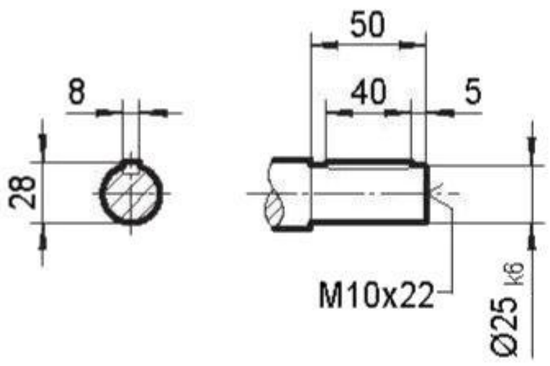
### 5.4.1 TK.. Outline Dimension

**TK38..**



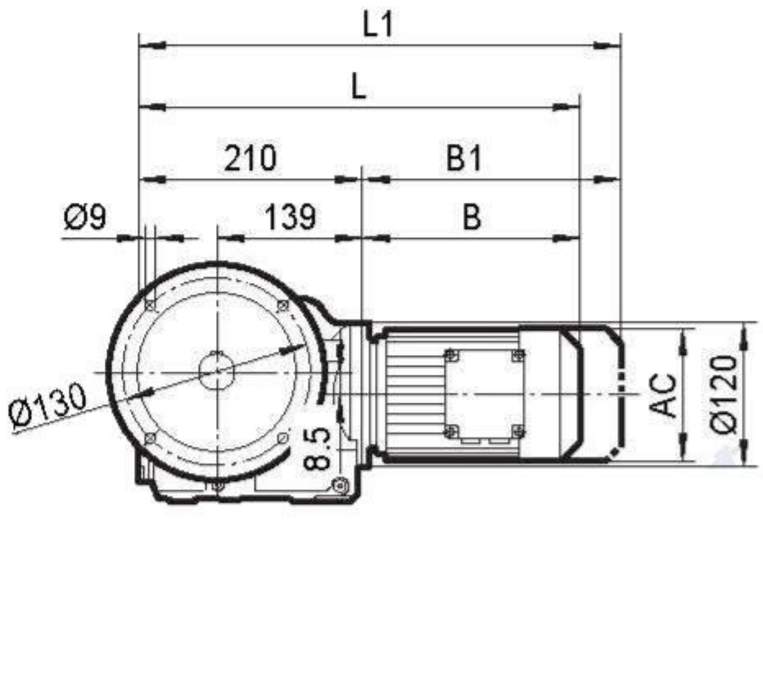


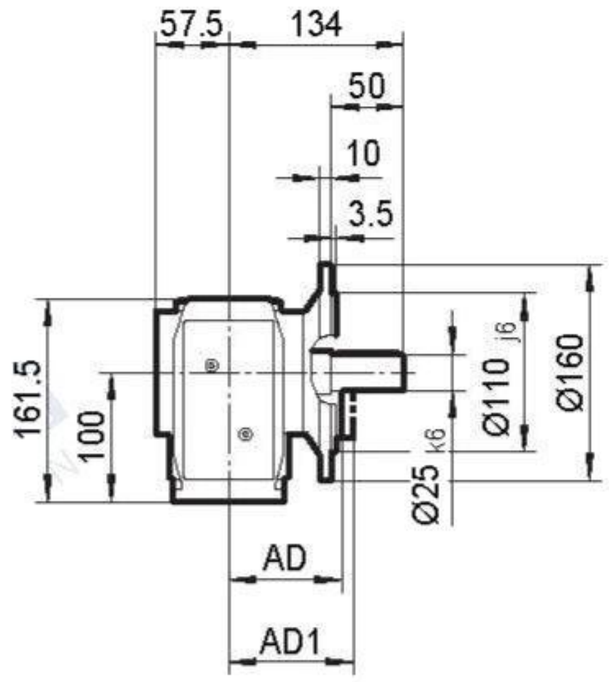


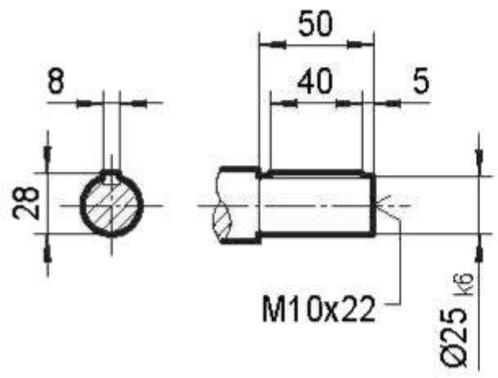



| | MY63.. | MY71D | MY80.. | MY90.. | MY100M | MY100L | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| AC | 132 | 145 | 145 | 197 | 197 | 197 | | | | | |
| AD | 105 | 122 | 122 | 154 | 166 | 166 | | | | | |
| AD1 | 105 | 127 | 127 | 161 | 166 | 166 | | | | | |
| B | 191 | 206 | 256 | 276 | 328 | 358 | | | | | |
| B1 | 246 | 269 | 319 | 361 | 413 | 443 | | | | | |
| L | 393 | 408 | 458 | 478 | 530 | 560 | | | | | |
| L1 | 448 | 471 | 521 | 563 | 615 | 645 | | | | | |

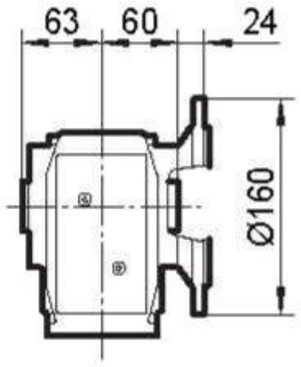
## TKF38..

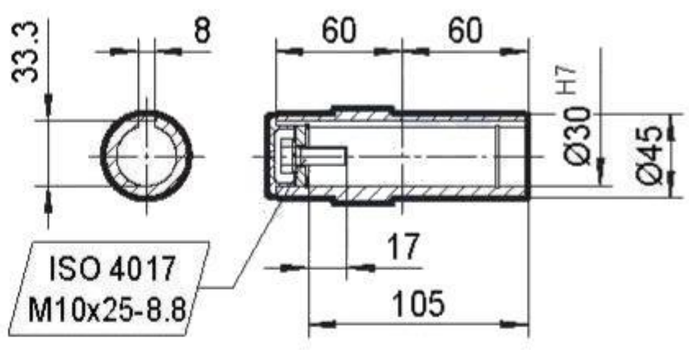


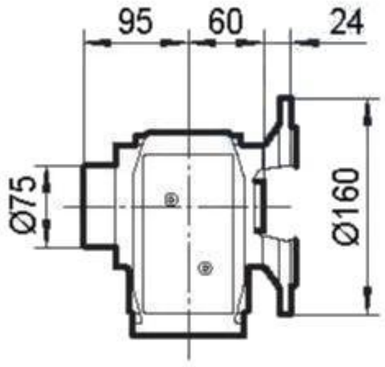



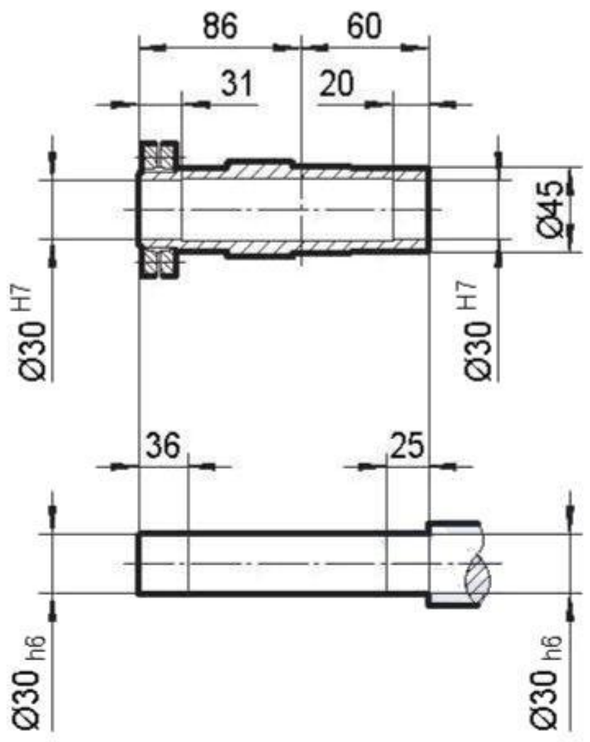

## TKAF38..



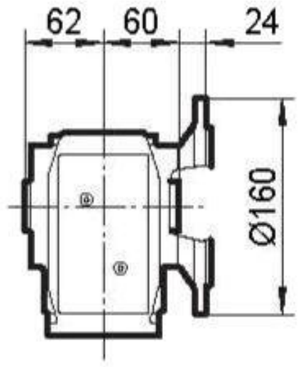



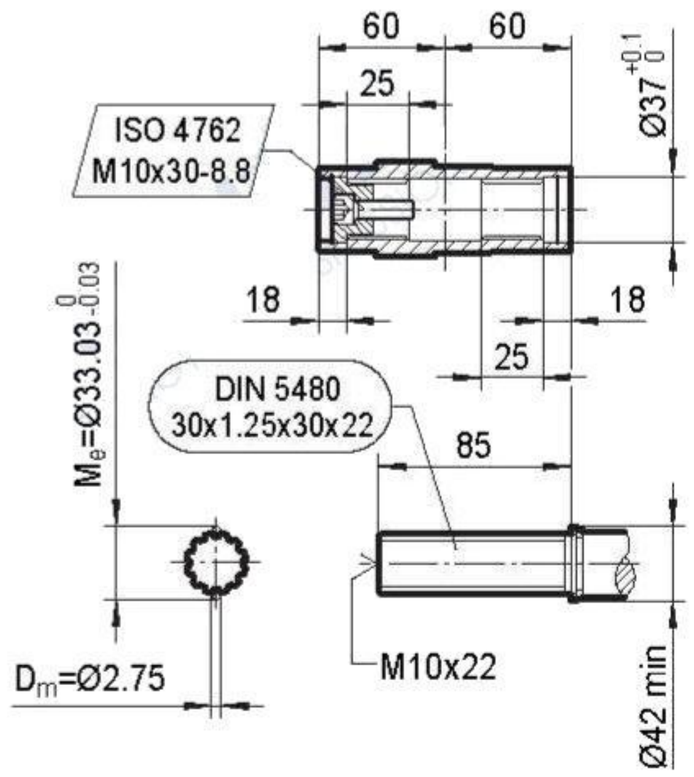

## TKHF38..



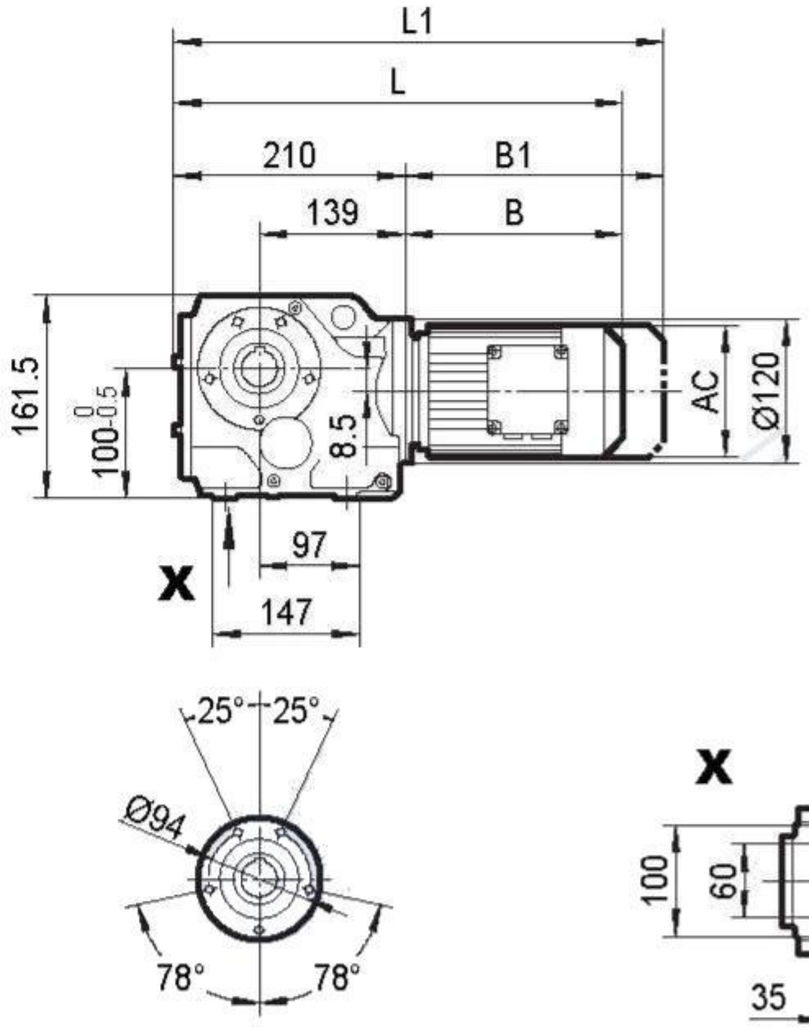

## TKVF38..

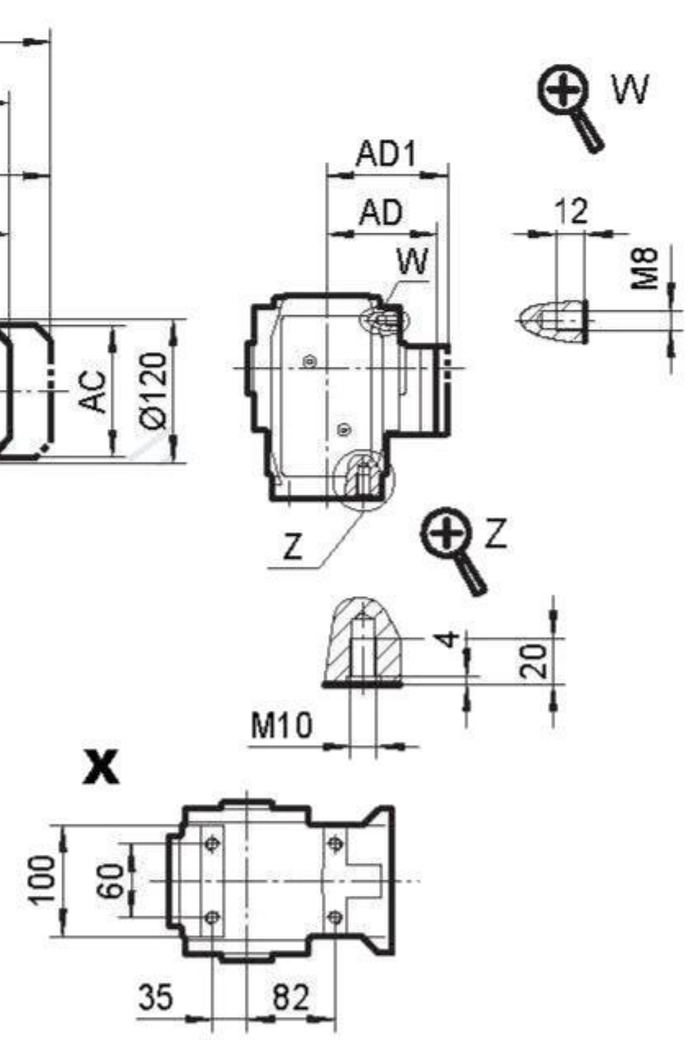


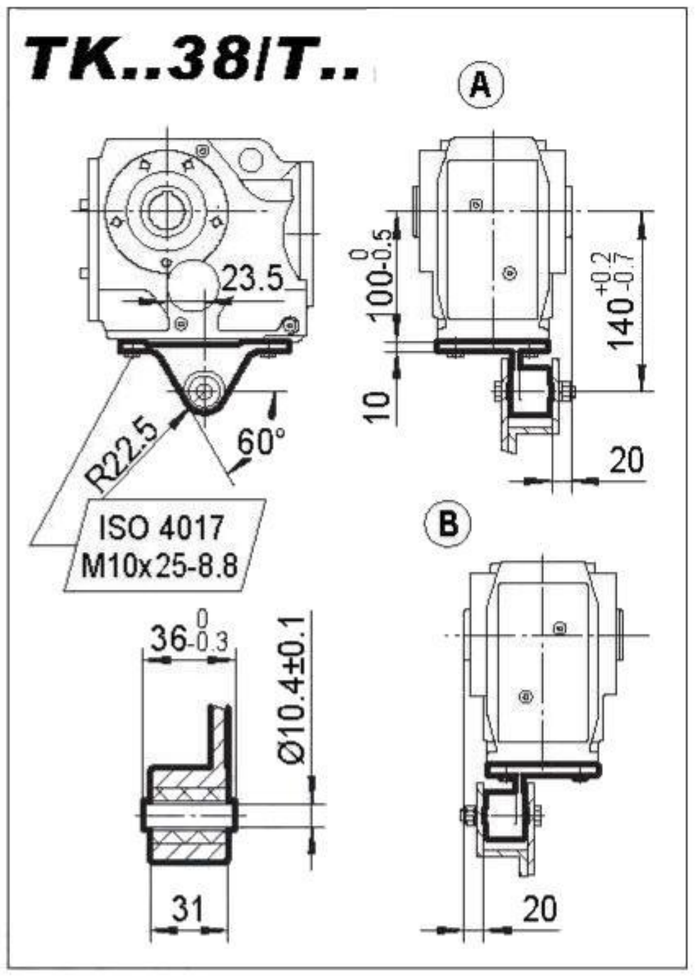




| | MY63.. | MY71D | MY80.. | MY90.. | MY100M | MY100L | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **AC** | 132 | 145 | 145 | 197 | 197 | 197 | | | | | |
| **AD** | 105 | 122 | 122 | 154 | 166 | 166 | | | | | |
| **AD1** | 105 | 127 | 127 | 161 | 166 | 166 | | | | | |
| **B** | 191 | 206 | 256 | 276 | 328 | 358 | | | | | |
| **B1** | 246 | 269 | 319 | 361 | 413 | 443 | | | | | |
| **L** | 401 | 416 | 466 | 486 | 538 | 568 | | | | | |
| **L1** | 456 | 479 | 529 | 571 | 623 | 653 | | | | | |

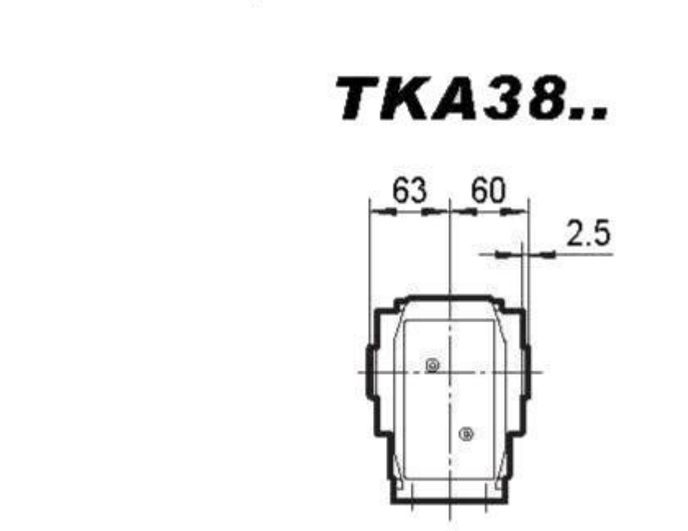
## TKA38..



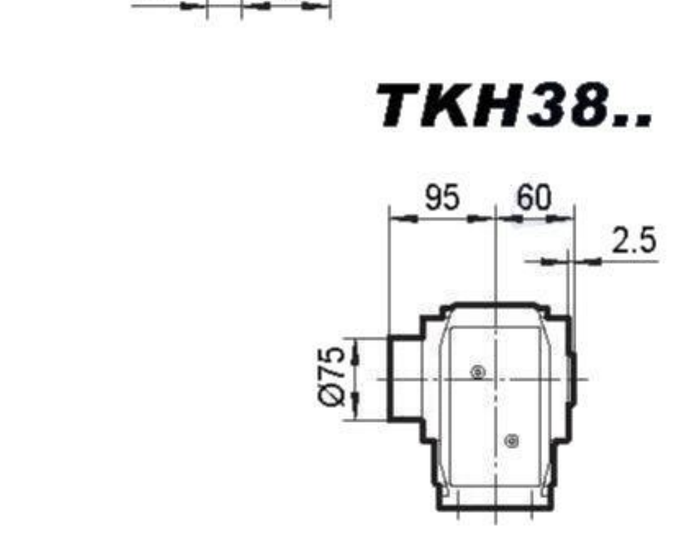



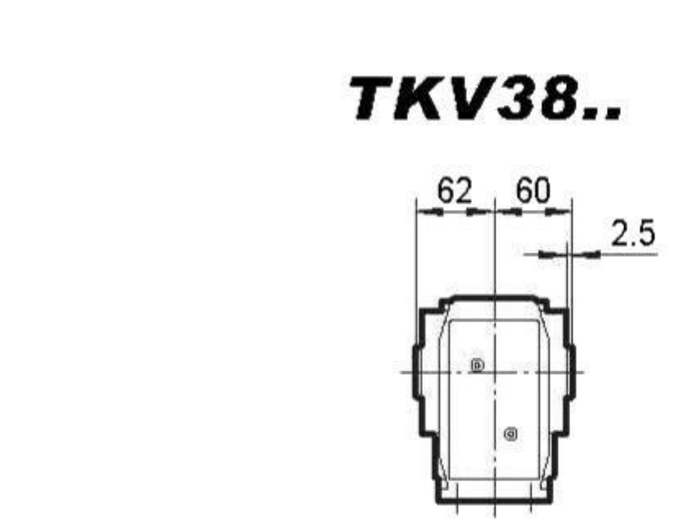

### TKA38..

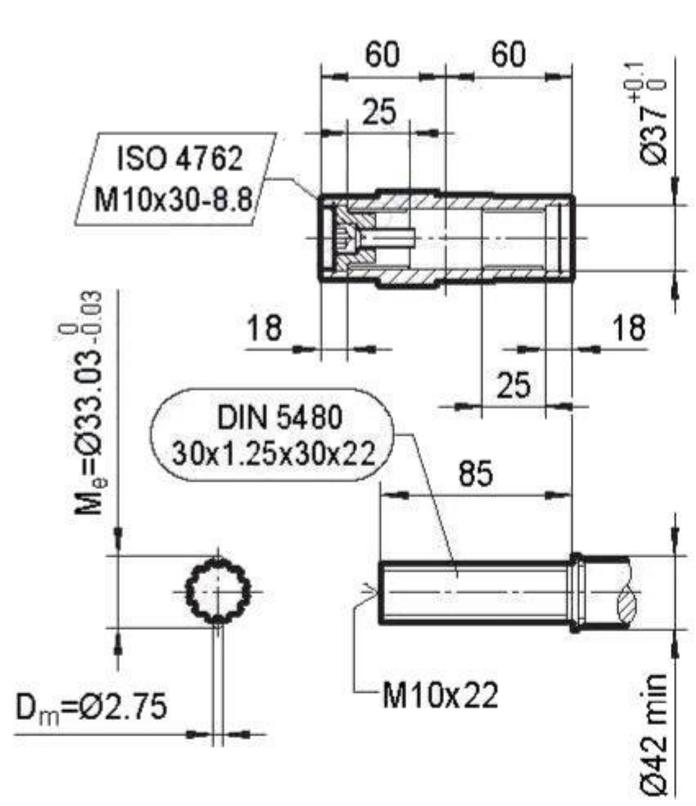



### TKH38..



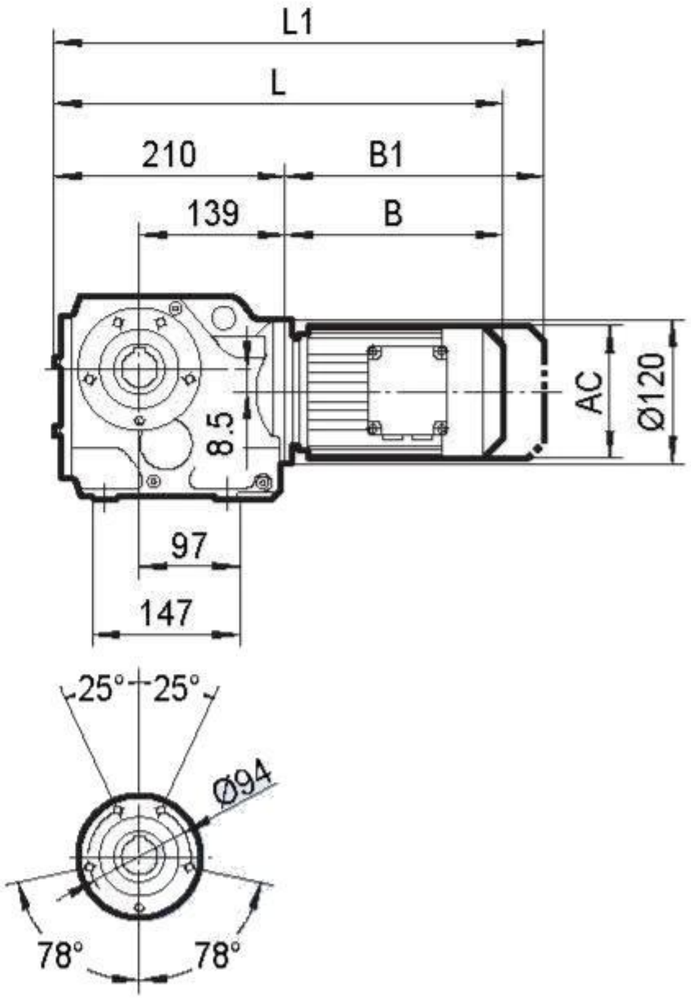

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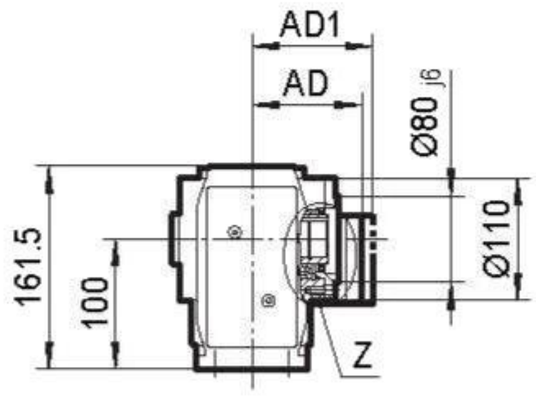


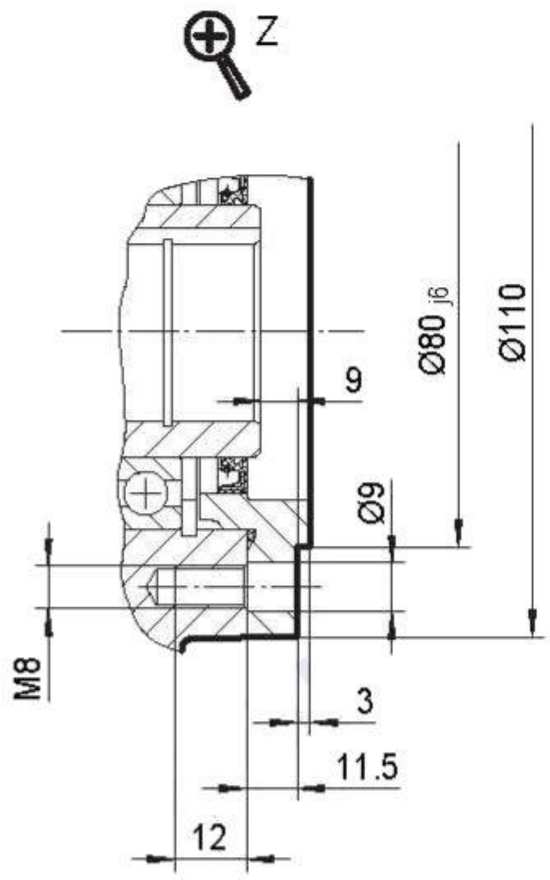




| | MY63.. | MY71D | MY80.. | MY90.. | MY100M | MY100L | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| AC | 132 | 145 | 145 | 197 | 197 | 197 | | | | | |
| AD | 105 | 122 | 122 | 154 | 166 | 166 | | | | | |
| AD1 | 105 | 127 | 127 | 161 | 166 | 166 | | | | | |
| B | 191 | 206 | 256 | 276 | 328 | 358 | | | | | |
| B1 | 246 | 269 | 319 | 361 | 413 | 443 | | | | | |
| L | 401 | 416 | 466 | 486 | 538 | 568 | | | | | |
| L1 | 456 | 479 | 529 | 571 | 623 | 653 | | | | | |

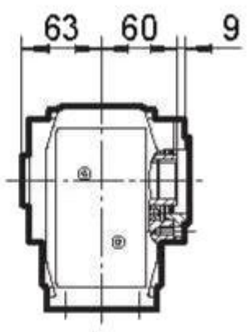
## TKAZ38..

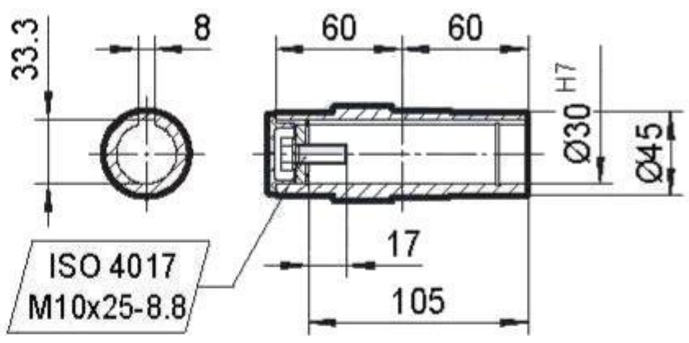


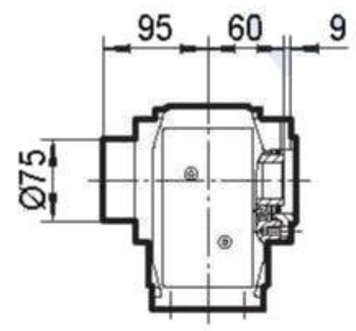



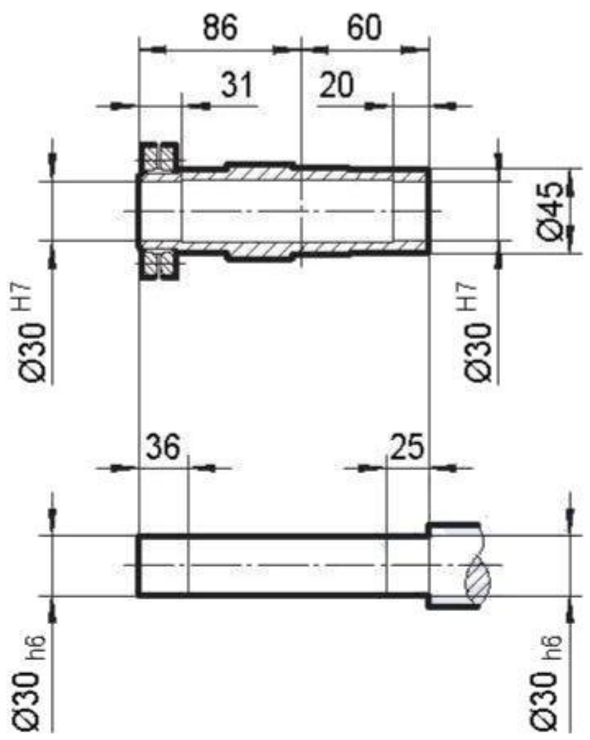

## TKAZ38..



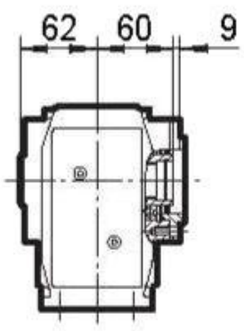



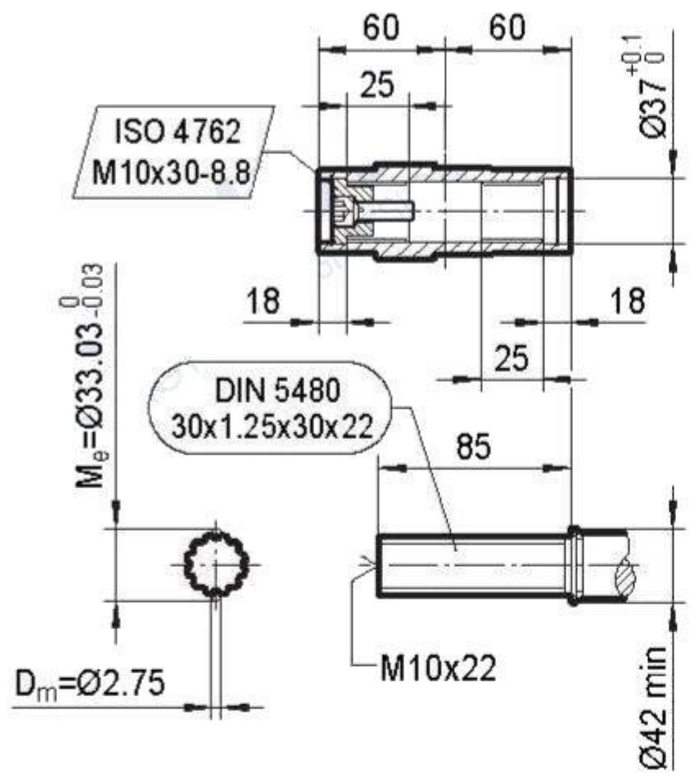

## TKHZ38..



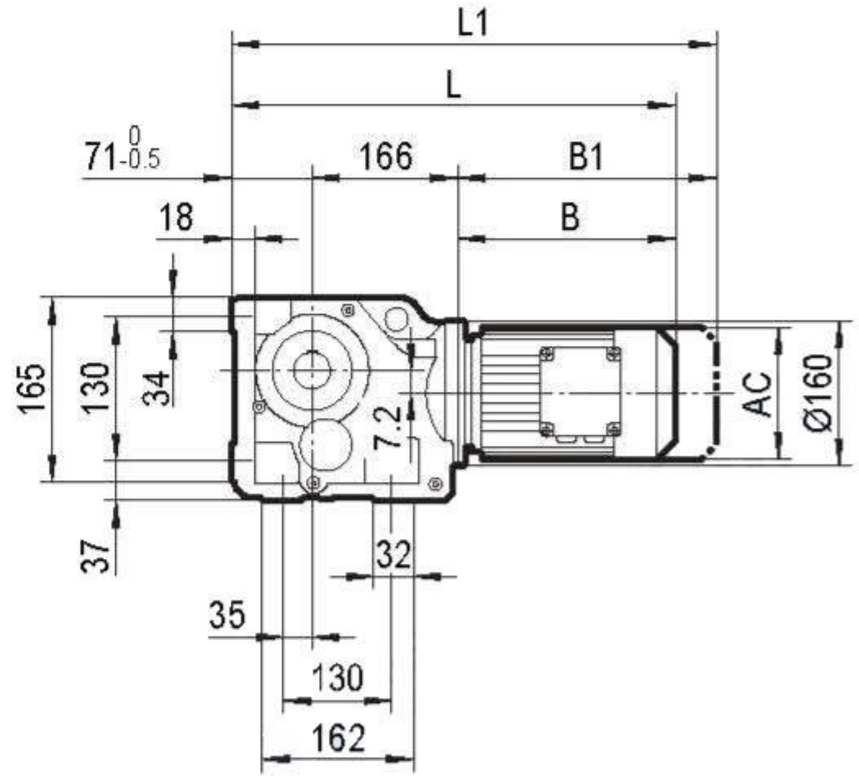

## TKVZ38..

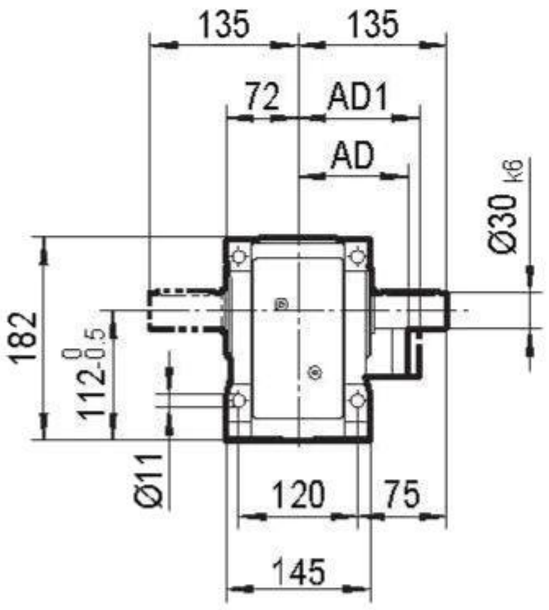


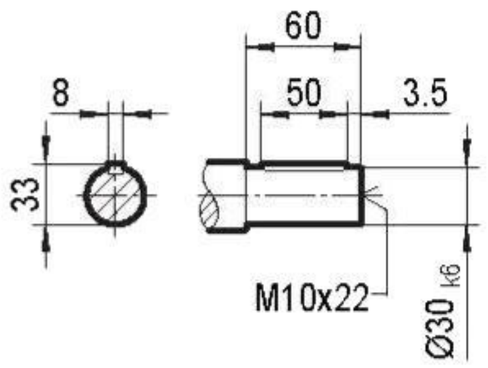




| | MY63.. | MY71D | MY80.. | MY90.. | MY100M | MY100L | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| AC | 132 | 145 | 145 | 197 | 197 | 197 | | | | | |
| AD | 105 | 122 | 122 | 154 | 166 | 166 | | | | | |
| AD1 | 105 | 127 | 127 | 161 | 166 | 166 | | | | | |
| B | 191 | 206 | 256 | 276 | 328 | 358 | | | | | |
| B1 | 246 | 269 | 319 | 361 | 413 | 443 | | | | | |
| L | 401 | 416 | 466 | 486 | 538 | 568 | | | | | |
| L1 | 456 | 479 | 529 | 571 | 623 | 653 | | | | | |

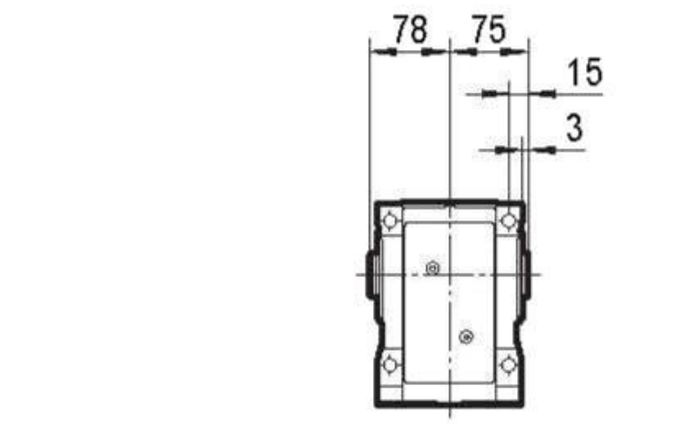
## TK48..



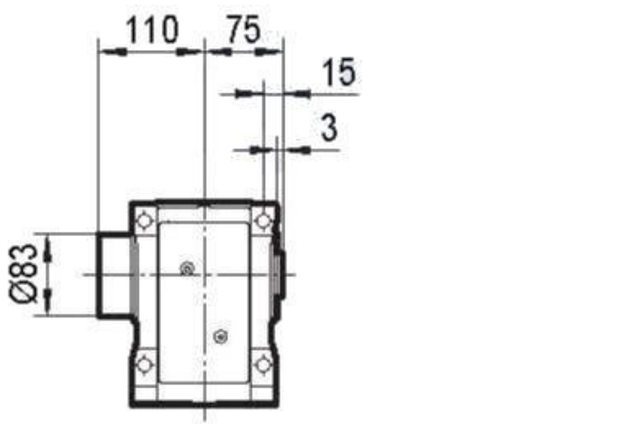



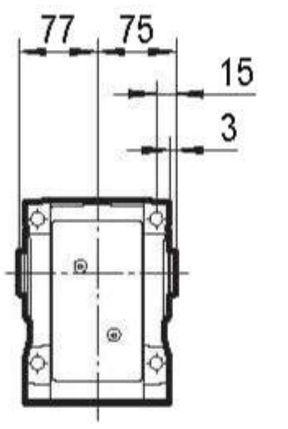

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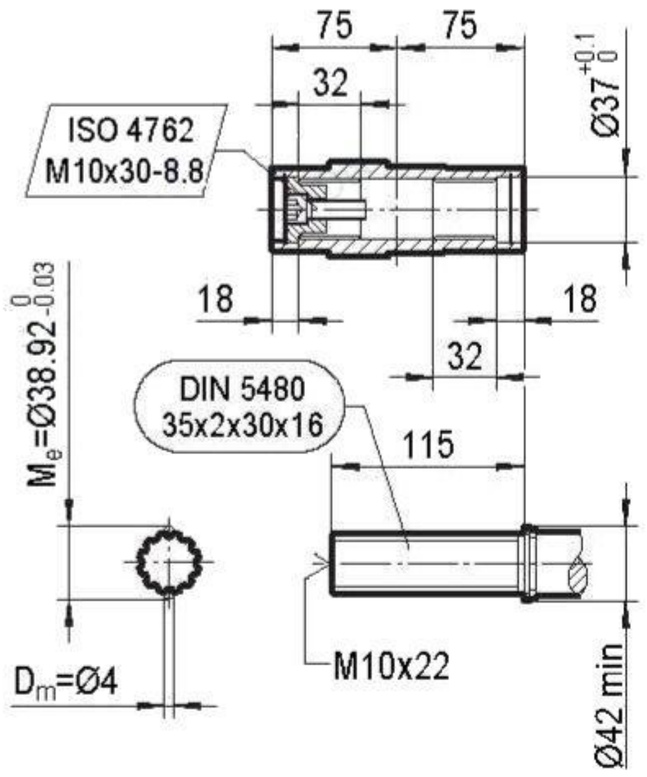



## TKH48B..



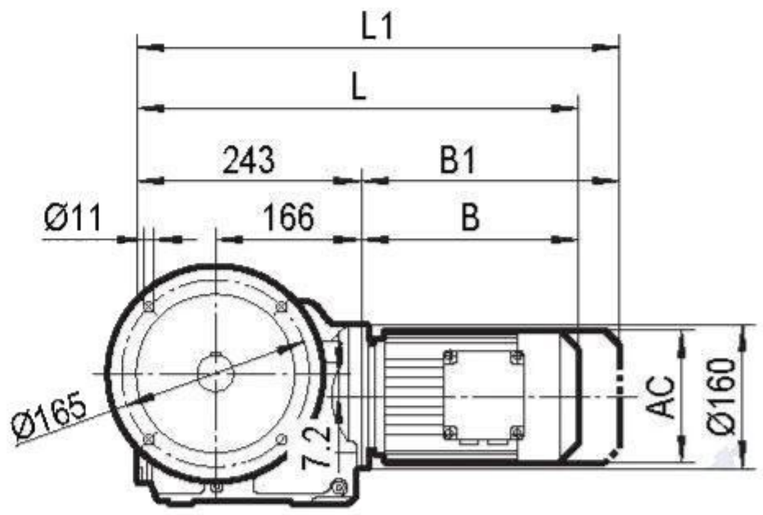

## TKV48B..

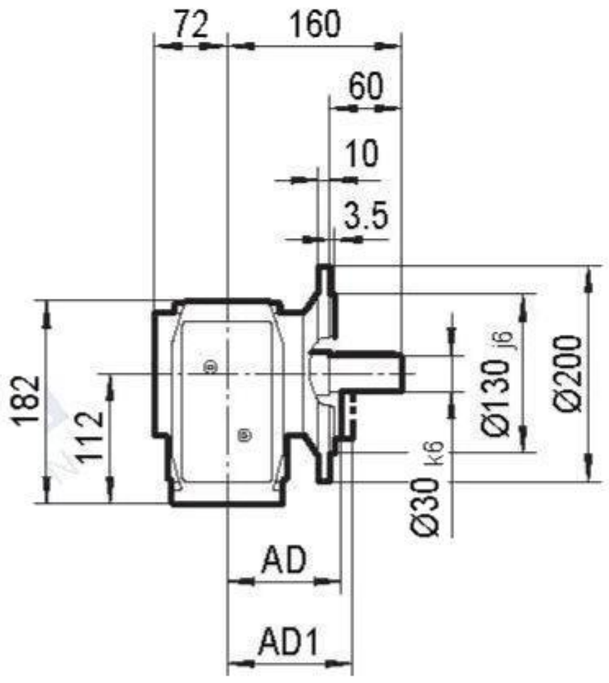


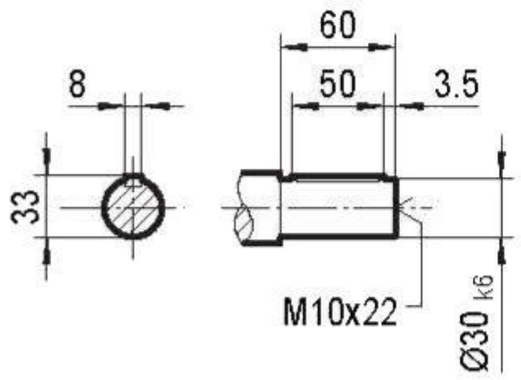




| | MY63.. | MY71D | MY80.. | MY90.. | MY100M | MY100L | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **AC** | 132 | 145 | 145 | 197 | 197 | 197 | | | | | |
| **AD** | 105 | 122 | 122 | 154 | 166 | 166 | | | | | |
| **AD1** | 105 | 127 | 127 | 161 | 166 | 166 | | | | | |
| **B** | 185 | 199 | 249 | 269 | 319 | 349 | | | | | |
| **B1** | 240 | 263 | 313 | 354 | 404 | 434 | | | | | |
| **L** | 422 | 436 | 486 | 506 | 556 | 586 | | | | | |
| **L1** | 477 | 500 | 550 | 591 | 641 | 671 | | | | | |

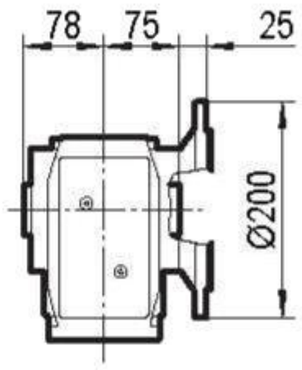
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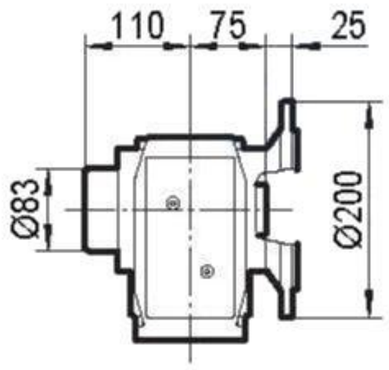



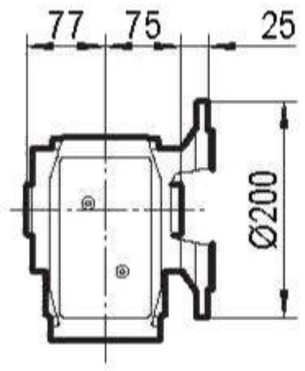

## TKAF48..

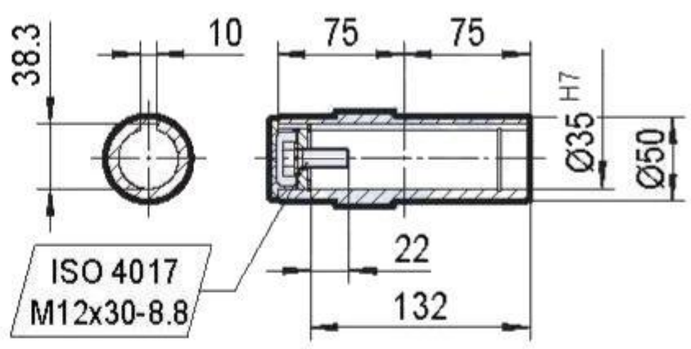


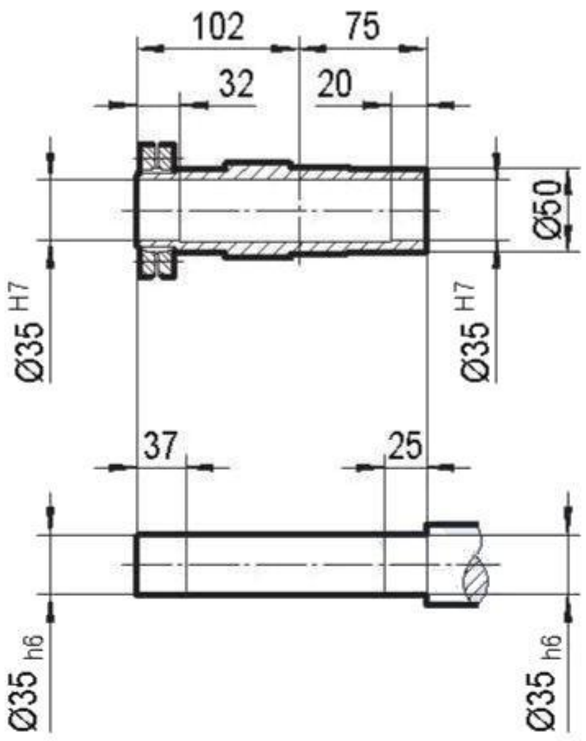

## TKHF48..

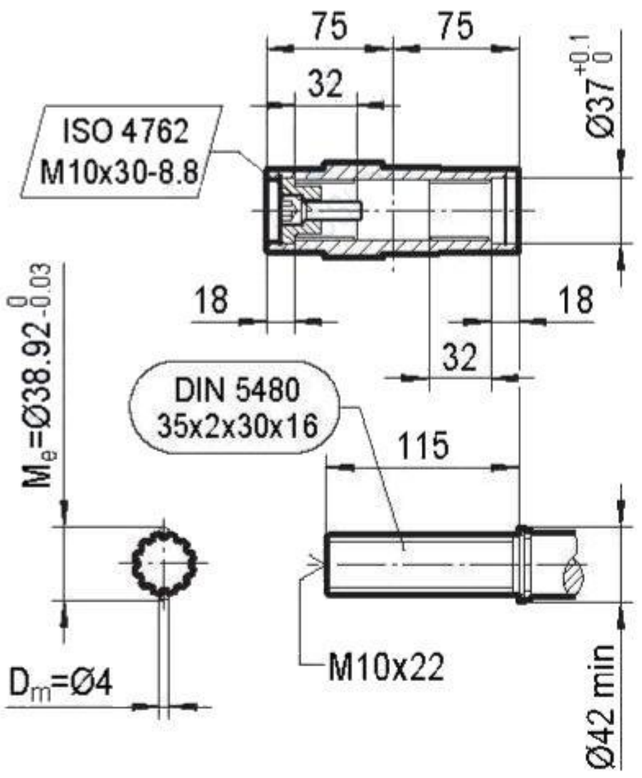



## TKVF48..



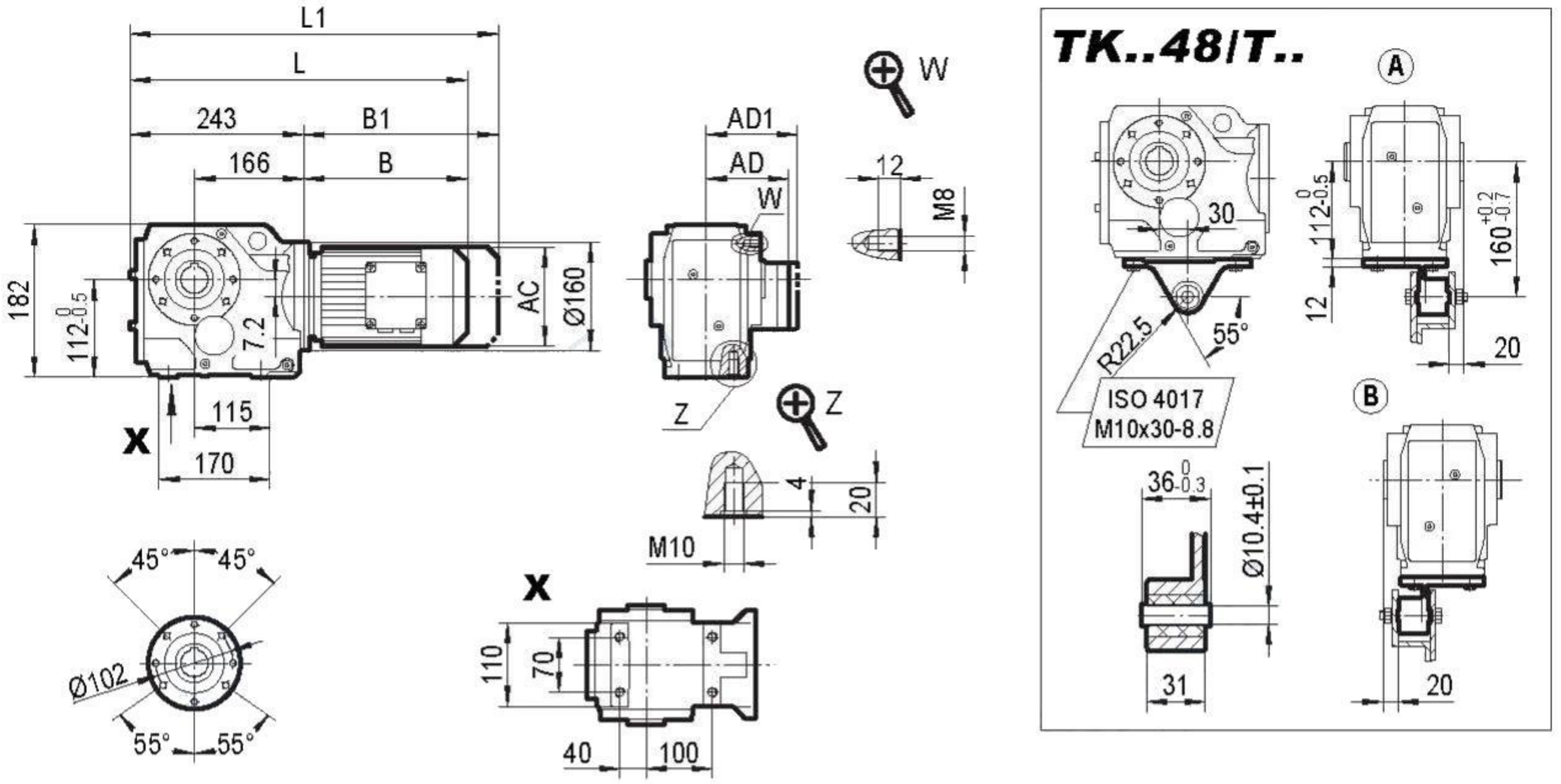



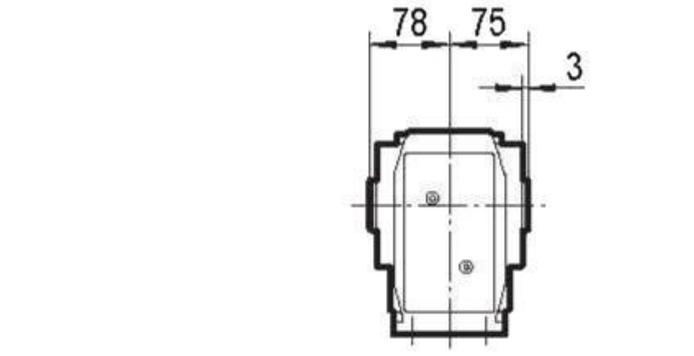



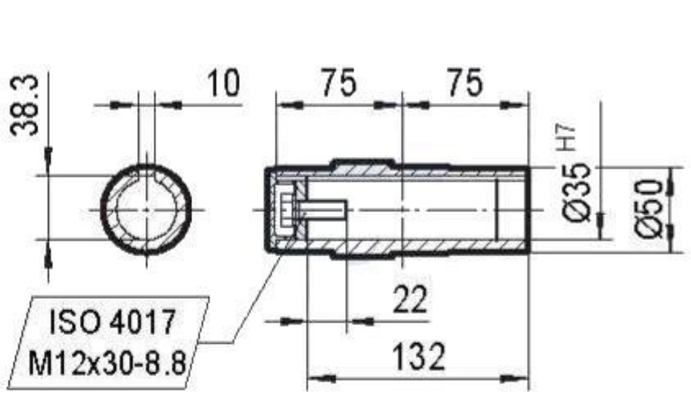

| | MY63.. | MY71D | MY80.. | MY90.. | MY100M | MY100L | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **AC** | 132 | 145 | 145 | 197 | 197 | 197 | | | | | |
| **AD** | 105 | 122 | 122 | 154 | 166 | 166 | | | | | |
| **AD1** | 105 | 127 | 127 | 161 | 166 | 166 | | | | | |
| **B** | 185 | 199 | 249 | 269 | 319 | 349 | | | | | |
| **B1** | 240 | 263 | 313 | 354 | 404 | 434 | | | | | |
| **L** | 428 | 442 | 492 | 512 | 562 | 592 | | | | | |
| **L1** | 483 | 506 | 556 | 597 | 647 | 677 | | | | | |

## TKA48..

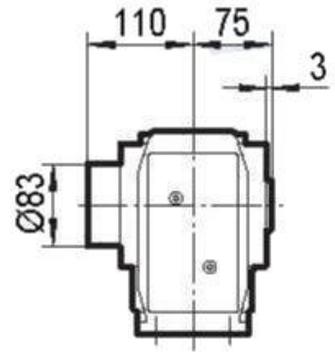


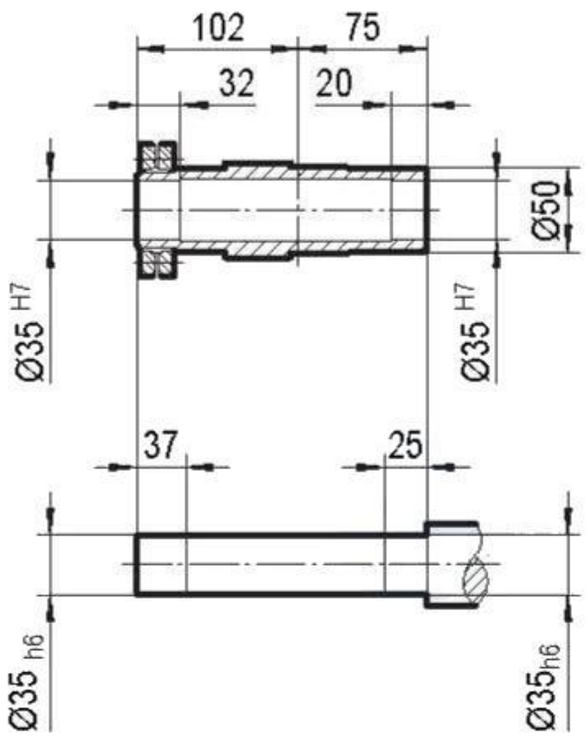

### TKA48..



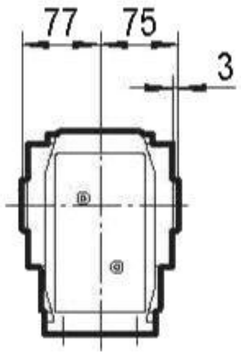



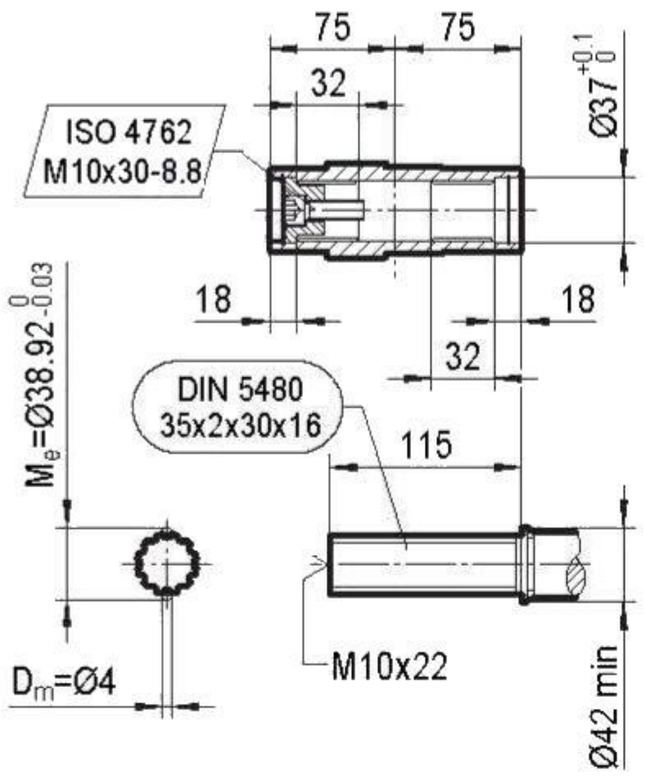

### TKH48..



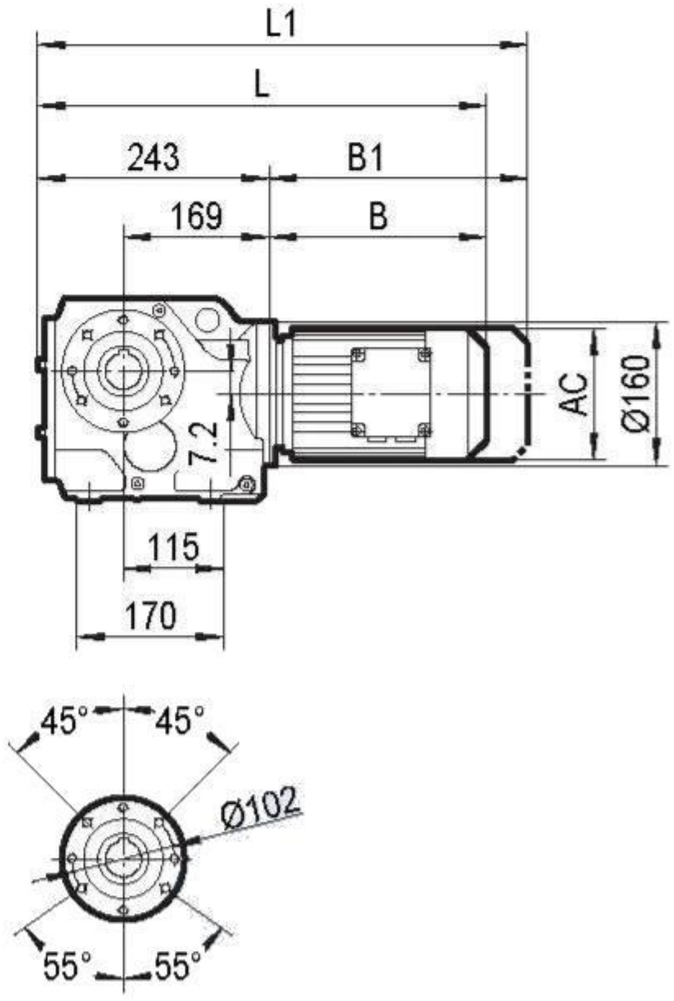

### TKV48..

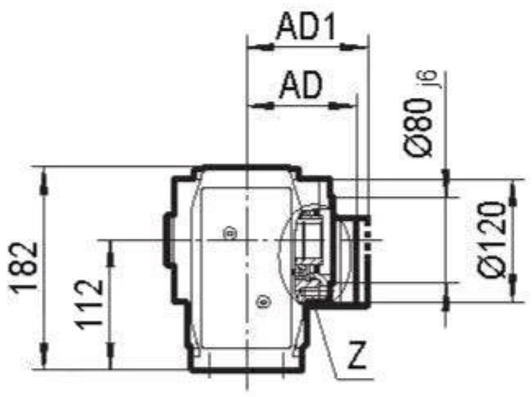


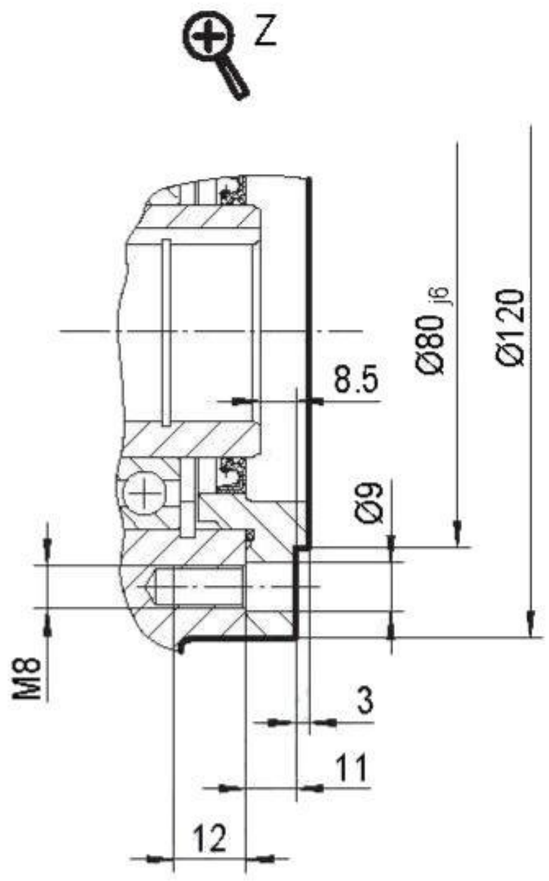




| | MY63.. | MY71D | MY80.. | MY90.. | MY100M | MY100L | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| AC | 132 | 145 | 145 | 197 | 197 | 197 | | | | | |
| AD | 105 | 122 | 122 | 154 | 166 | 166 | | | | | |
| AD1 | 105 | 127 | 127 | 161 | 166 | 166 | | | | | |
| B | 185 | 199 | 249 | 269 | 319 | 349 | | | | | |
| B1 | 240 | 263 | 313 | 354 | 404 | 434 | | | | | |
| L | 428 | 442 | 492 | 512 | 562 | 592 | | | | | |
| L1 | 483 | 506 | 556 | 597 | 647 | 677 | | | | | |

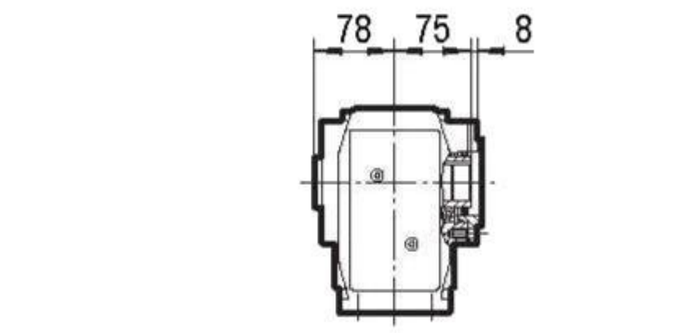
## TKAZ48..

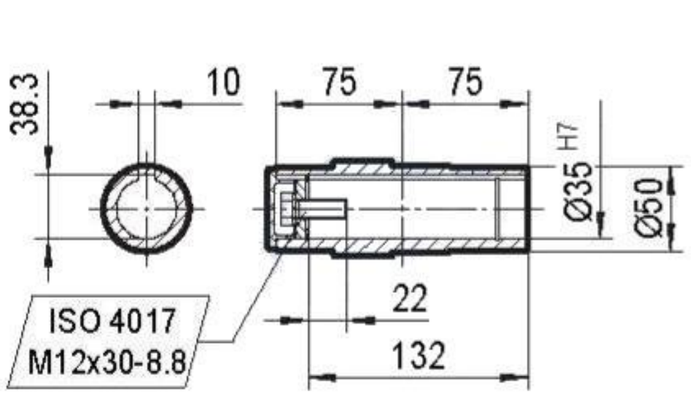


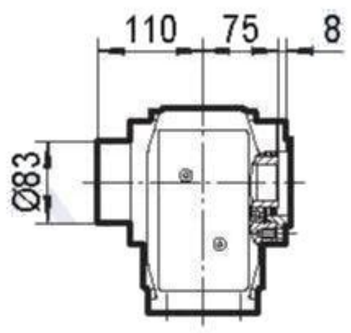



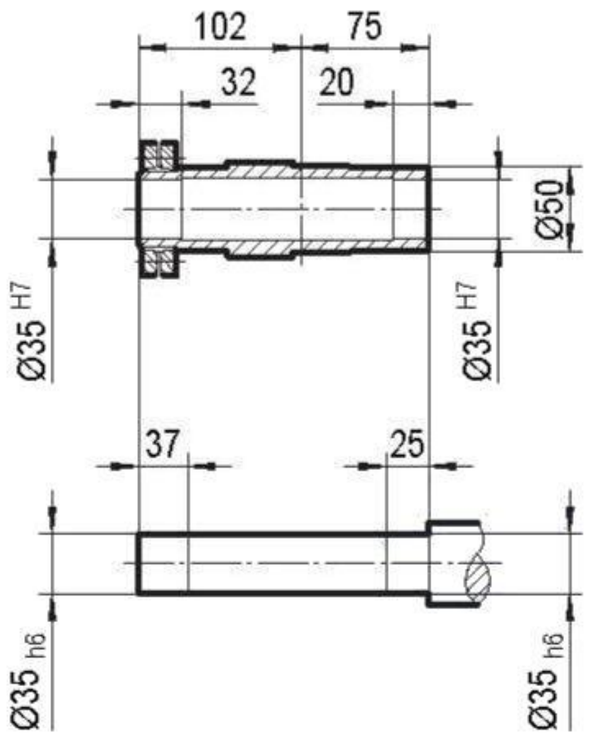

## TKAZ48..



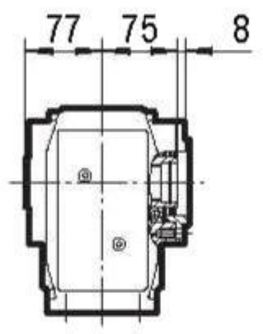



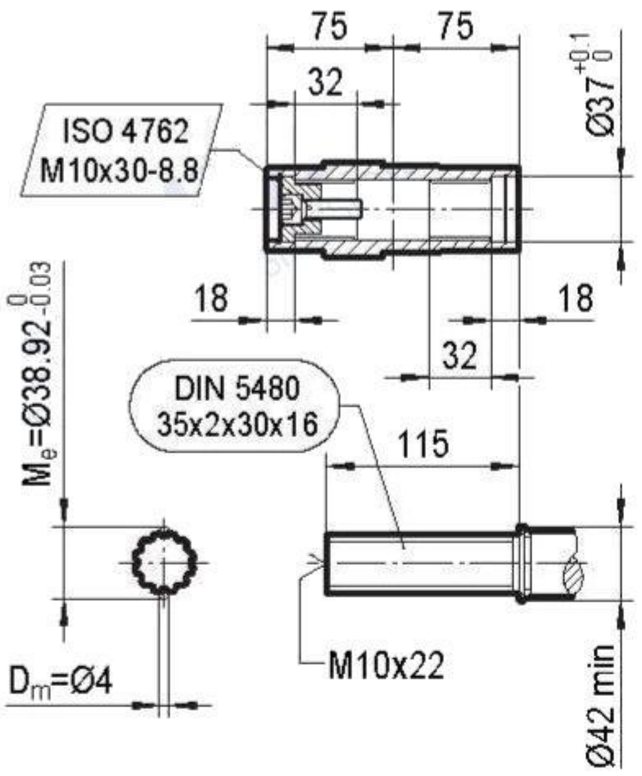

## TKHZ48..



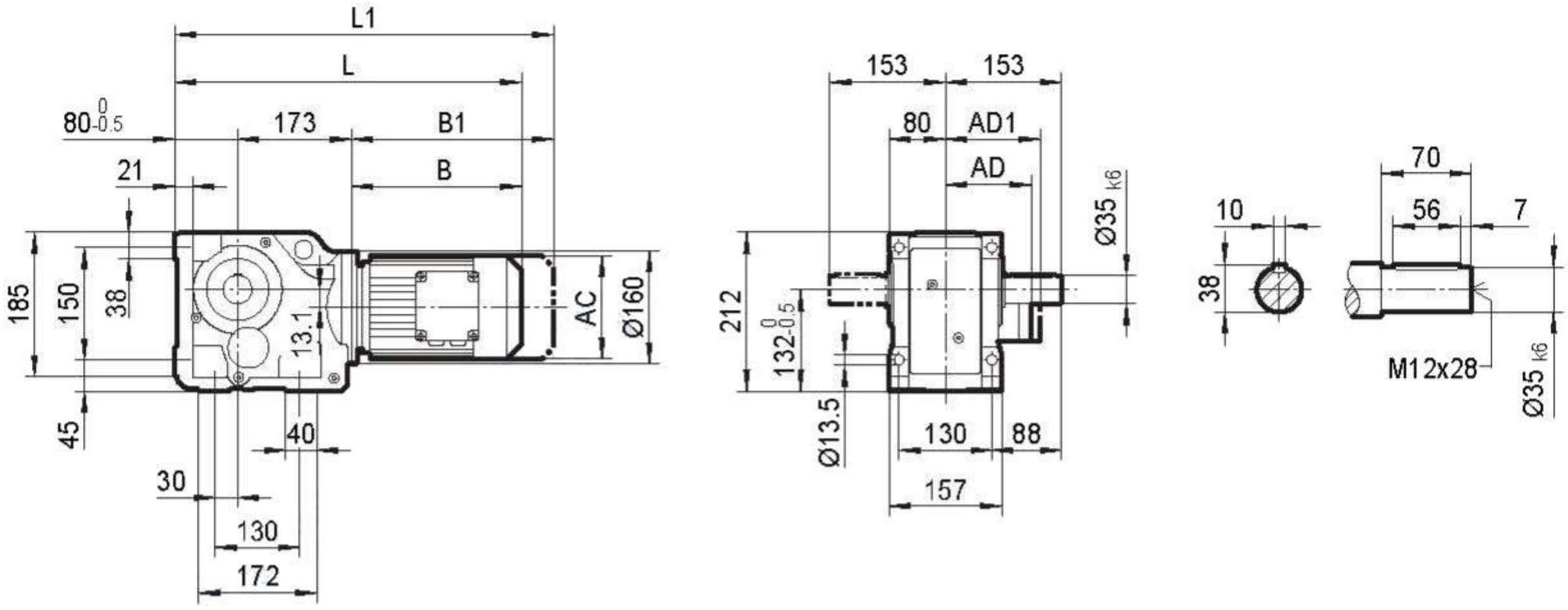

## TKVZ48..



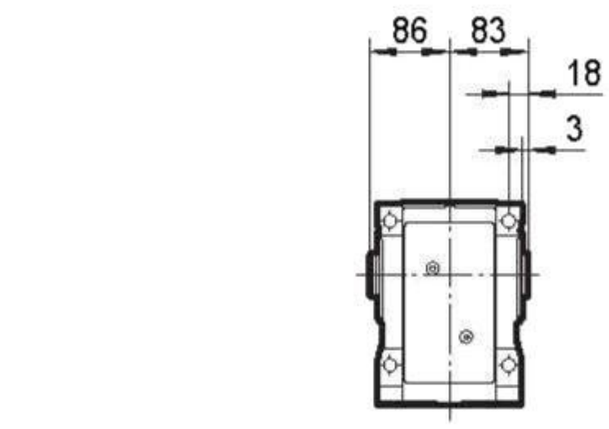




| | MY63.. | MY71D | MY80.. | MY90.. | MY100M | MY100L | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **AC** | 132 | 145 | 145 | 197 | 197 | 197 | | | | | |
| **AD** | 105 | 122 | 122 | 154 | 166 | 166 | | | | | |
| **AD1** | 105 | 127 | 127 | 161 | 166 | 166 | | | | | |
| **B** | 185 | 199 | 249 | 269 | 319 | 349 | | | | | |
| **B1** | 240 | 263 | 313 | 354 | 404 | 434 | | | | | |
| **L** | 428 | 442 | 492 | 512 | 562 | 592 | | | | | |
| **L1** | 483 | 506 | 556 | 597 | 647 | 677 | | | | | |

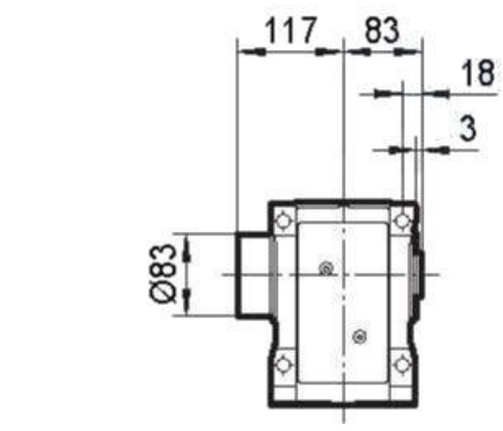
## TK58..



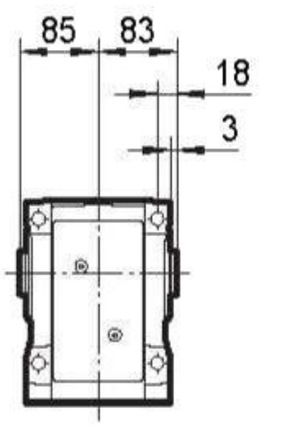

## TKA58B..




## TKH58B..

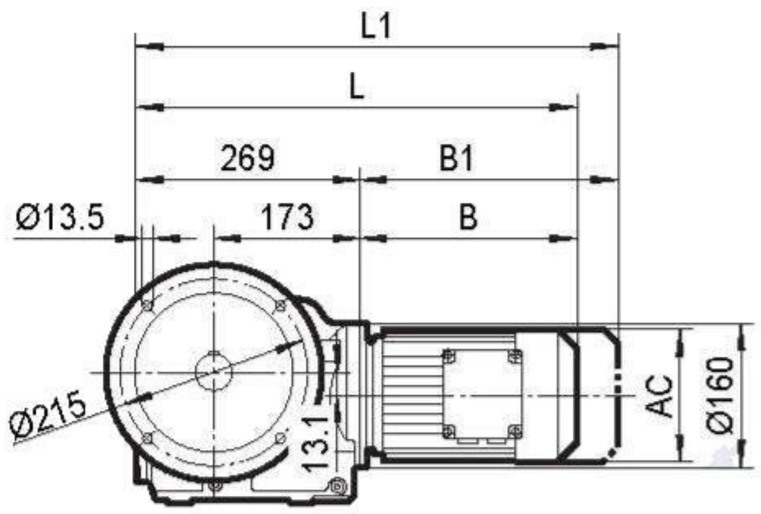


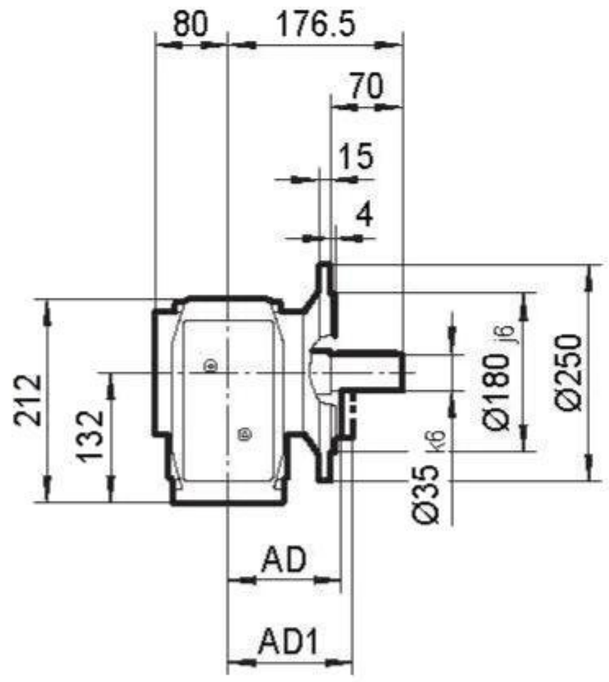

## TKV58B..

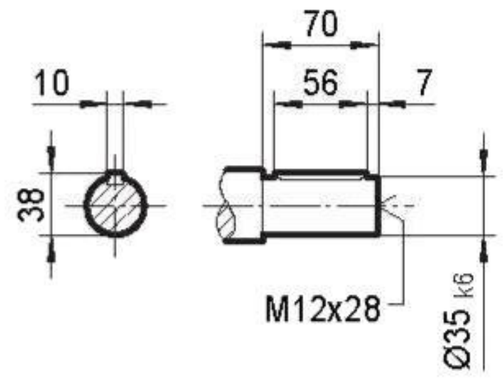



| | MY63.. | MY71D | MY80.. | MY90.. | MY100M | MY100L | MY112M | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **AC** | 132 | 145 | 145 | 197 | 197 | 197 | 221 | | | | |
| **AD** | 105 | 122 | 122 | 154 | 166 | 166 | 179 | | | | |
| **AD1** | 105 | 127 | 127 | 161 | 166 | 166 | 182 | | | | |
| **B** | 185 | 199 | 249 | 269 | 319 | 349 | 354 | | | | |
| **B1** | 240 | 263 | 313 | 354 | 404 | 434 | 434 | | | | |
| **L** | 438 | 452 | 502 | 522 | 572 | 602 | 607 | | | | |
| **L1** | 493 | 516 | 566 | 607 | 657 | 687 | 687 | | | | |

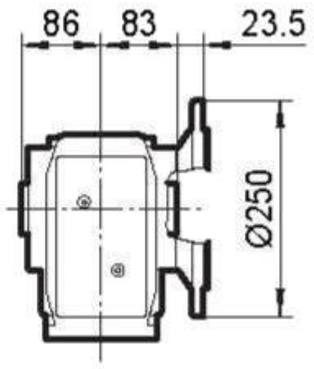
## TKF58..



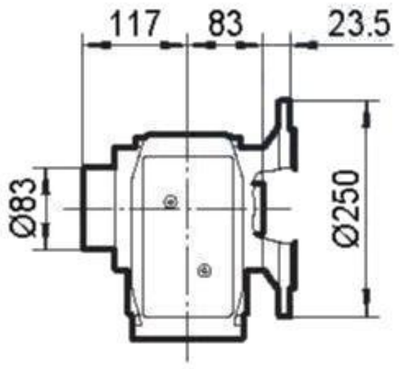



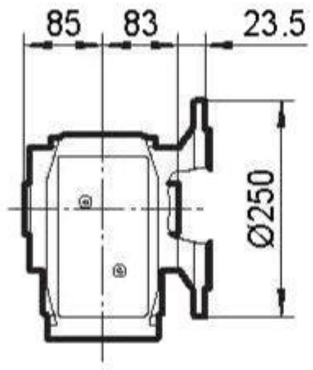

## TKAF58..

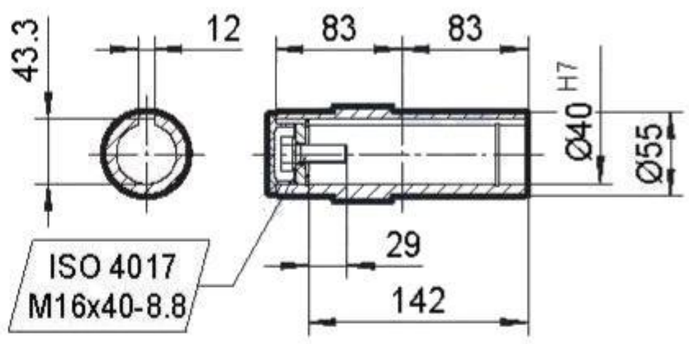


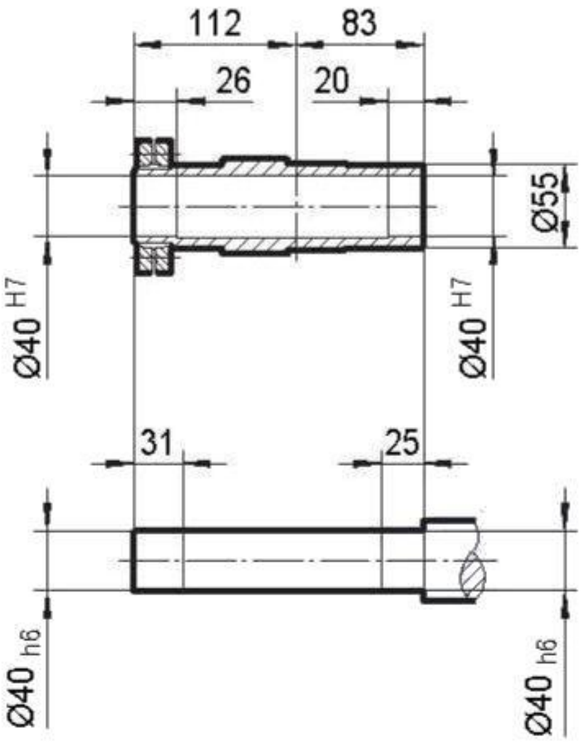

## TKHF58..

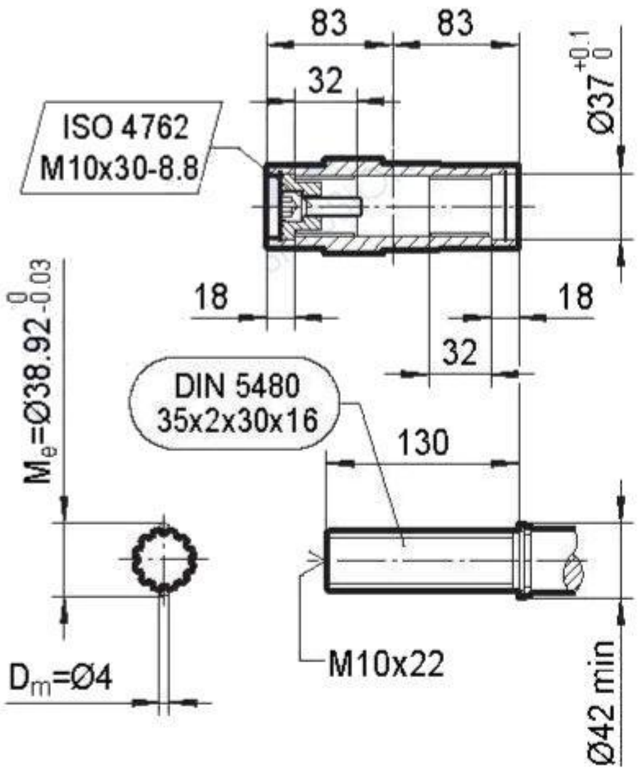



## TKVF58..



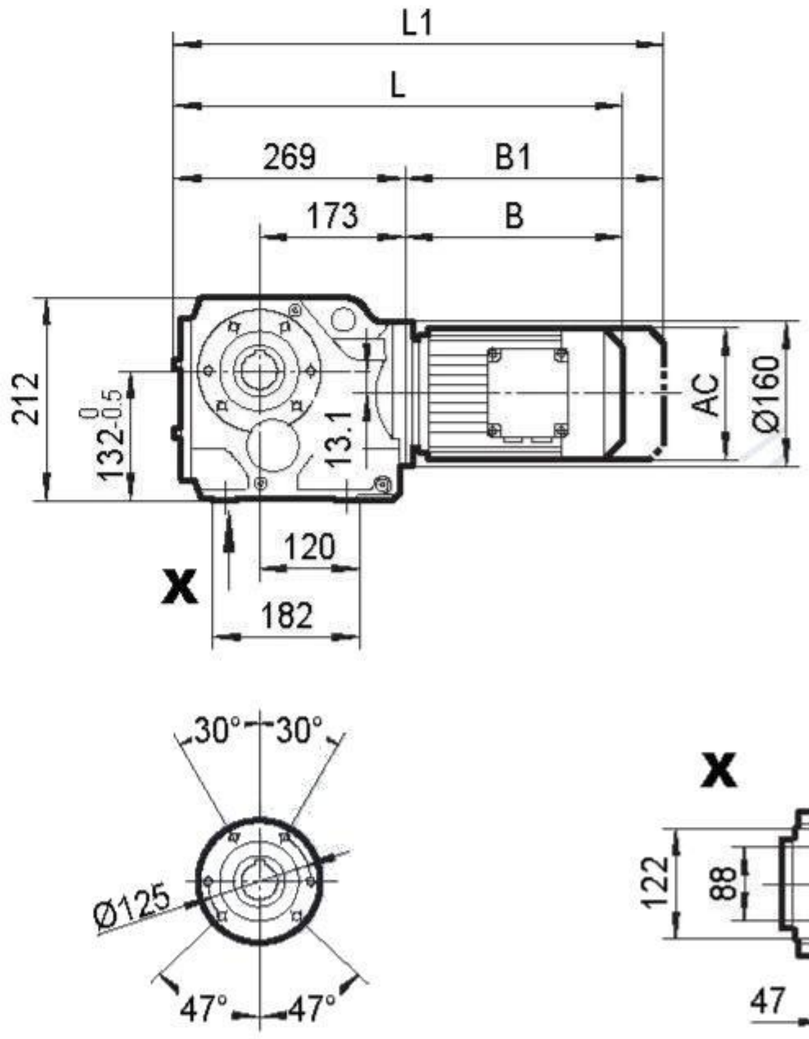



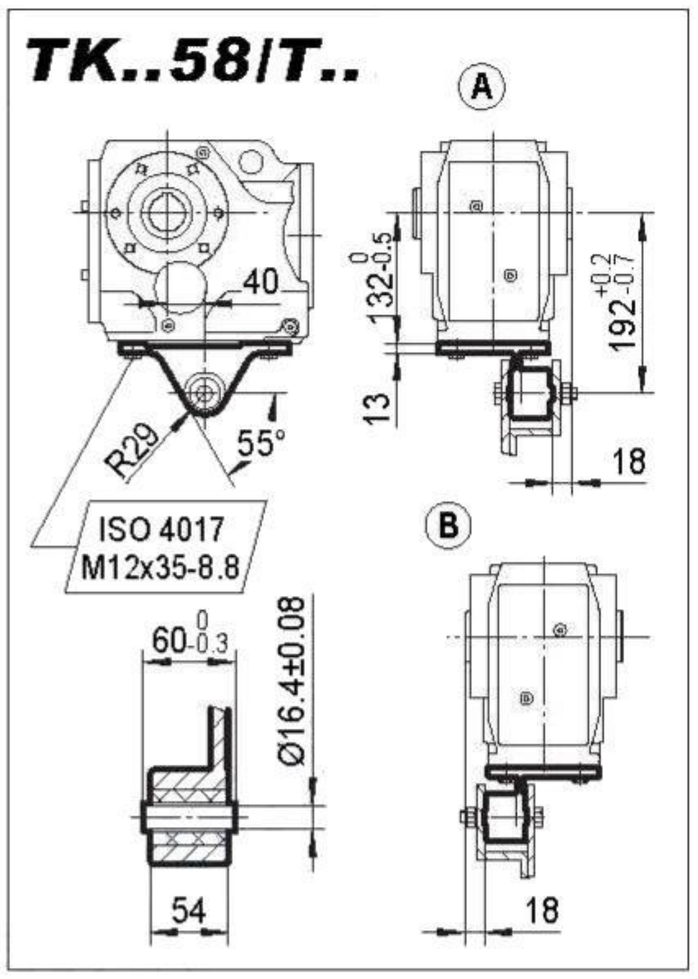



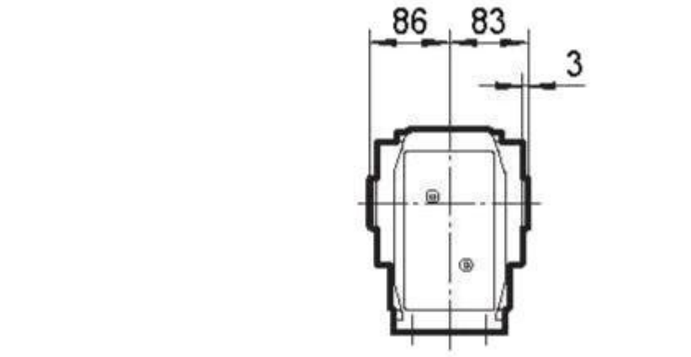

| | MY63.. | MY71D | MY80.. | MY90.. | MY100M | MY100L | MY112M | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **AC** | 132 | 145 | 145 | 197 | 197 | 197 | 221 | | | | |
| **AD** | 105 | 122 | 122 | 154 | 166 | 166 | 179 | | | | |
| **AD1** | 105 | 127 | 127 | 161 | 166 | 166 | 182 | | | | |
| **B** | 185 | 199 | 249 | 269 | 319 | 349 | 354 | | | | |
| **B1** | 240 | 263 | 313 | 354 | 404 | 434 | 434 | | | | |
| **L** | 454 | 468 | 518 | 538 | 588 | 618 | 623 | | | | |
| **L1** | 509 | 532 | 582 | 623 | 673 | 703 | 703 | | | | |

## TKA58..

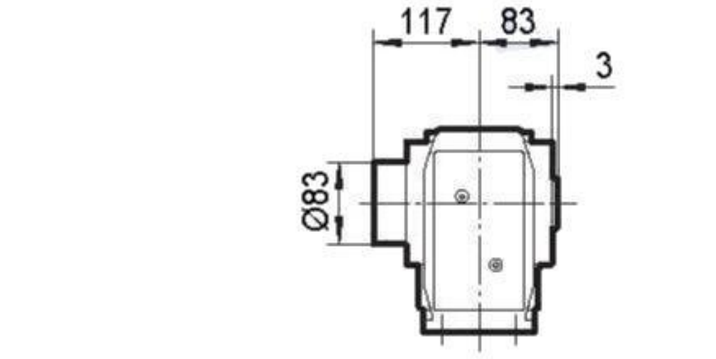


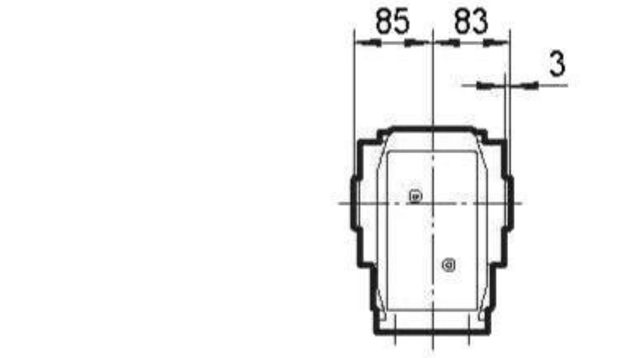

## TKA58..




## TKH58..

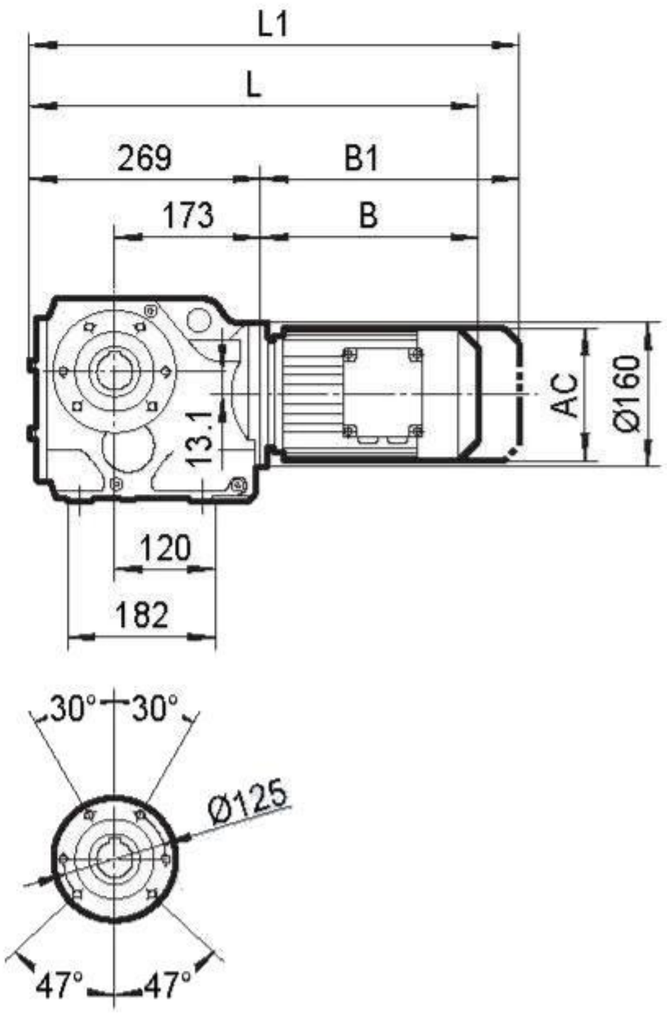


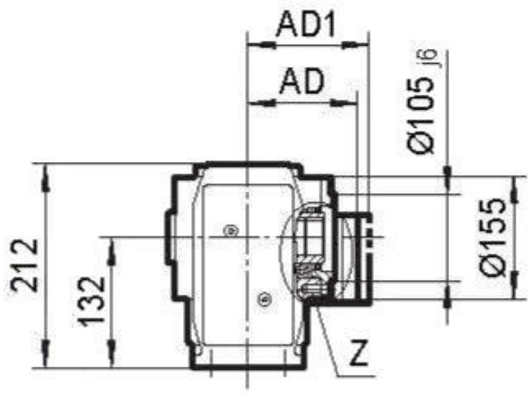

## TKV58..

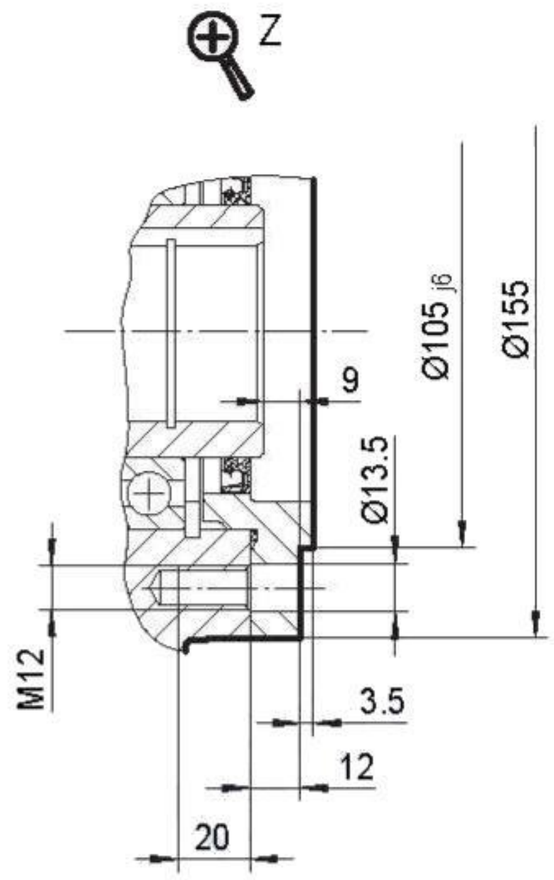



| | MY63.. | MY71D | MY80.. | MY90.. | MY100M | MY100L | MY112M | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **AC** | 132 | 145 | 145 | 197 | 197 | 197 | 221 | | | | |
| **AD** | 105 | 122 | 122 | 154 | 166 | 166 | 179 | | | | |
| **AD1** | 105 | 127 | 127 | 161 | 166 | 166 | 182 | | | | |
| **B** | 185 | 199 | 249 | 269 | 319 | 349 | 354 | | | | |
| **B1** | 240 | 263 | 313 | 354 | 404 | 434 | 434 | | | | |
| **L** | 454 | 468 | 518 | 538 | 588 | 618 | 623 | | | | |
| **L1** | 509 | 532 | 582 | 623 | 673 | 703 | 703 | | | | |

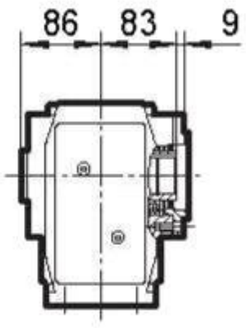
## TKAZ58..

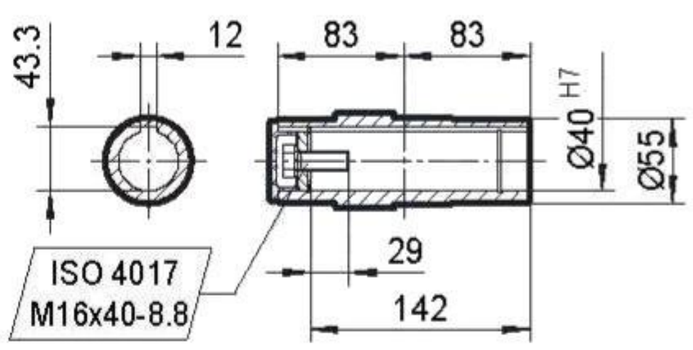


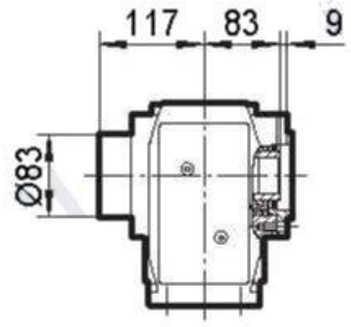



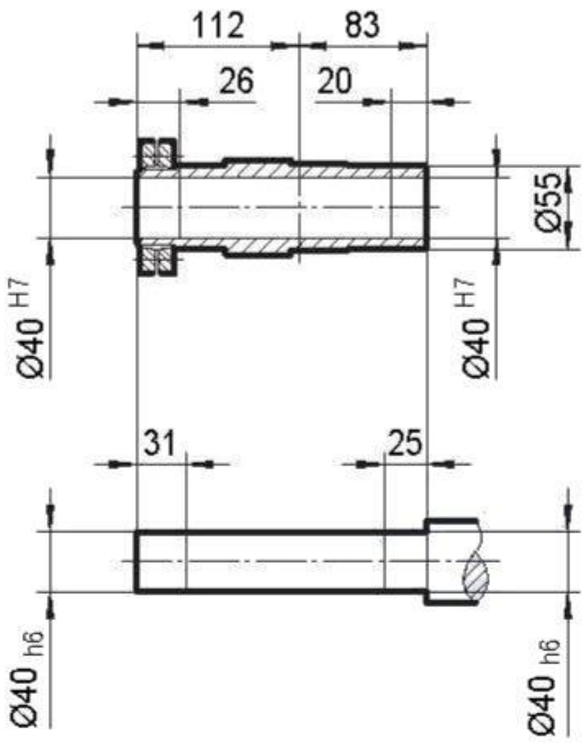

## TKAZ58..



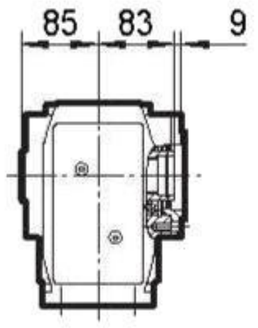



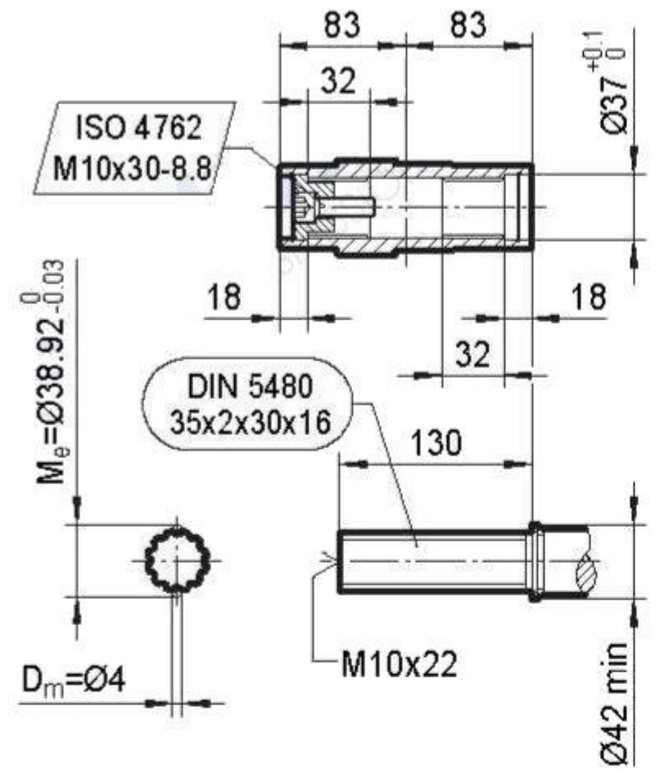

## TKHZ58..



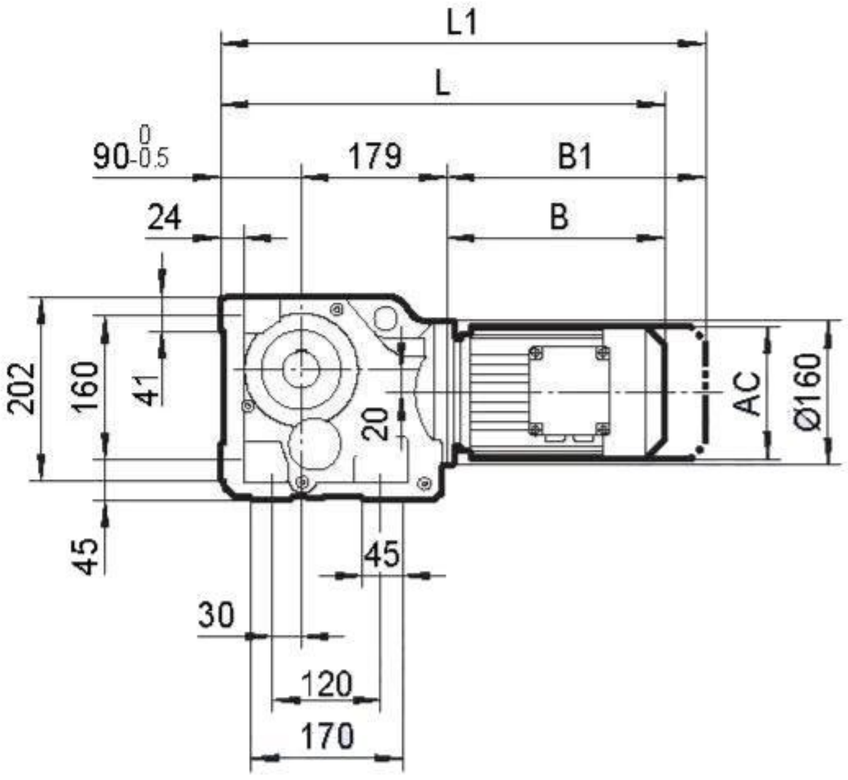

## TKVZ58..



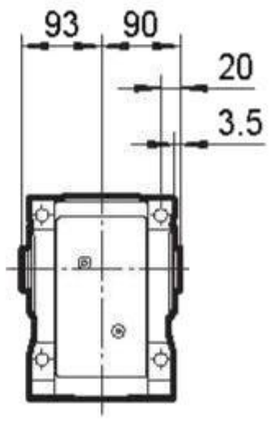



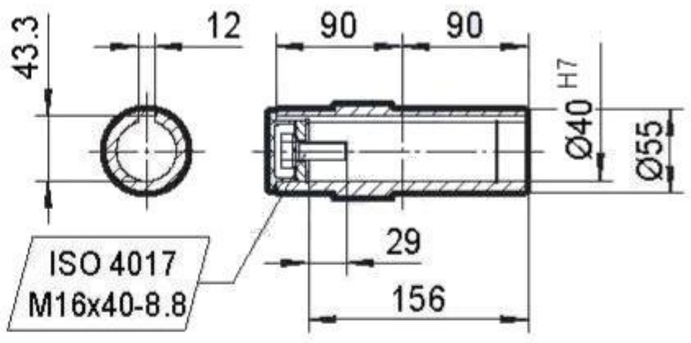

| | MY63.. | MY71D | MY80.. | MY90.. | MY100M | MY100L | MY112M | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **AC** | 132 | 145 | 145 | 197 | 197 | 197 | 221 | | | | |
| **AD** | 105 | 122 | 122 | 154 | 166 | 166 | 179 | | | | |
| **AD1** | 105 | 127 | 127 | 161 | 166 | 166 | 182 | | | | |
| **B** | 185 | 199 | 249 | 269 | 319 | 349 | 354 | | | | |
| **B1** | 240 | 263 | 313 | 354 | 404 | 434 | 434 | | | | |
| **L** | 454 | 468 | 518 | 538 | 588 | 618 | 623 | | | | |
| **L1** | 509 | 532 | 582 | 623 | 673 | 703 | 703 | | | | |

## TK68..

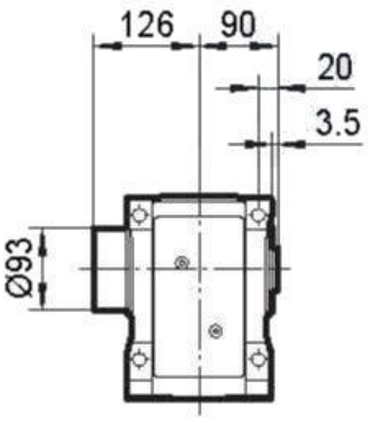


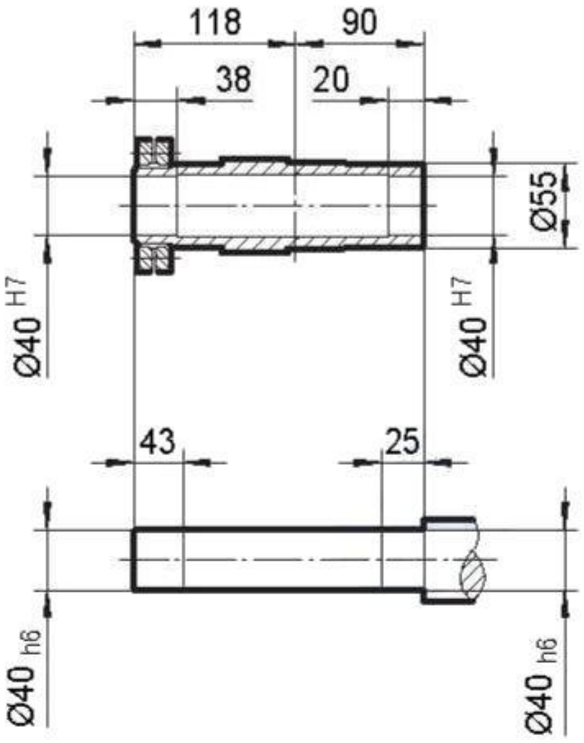

## TKA68B..



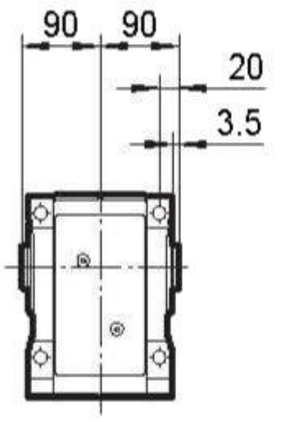



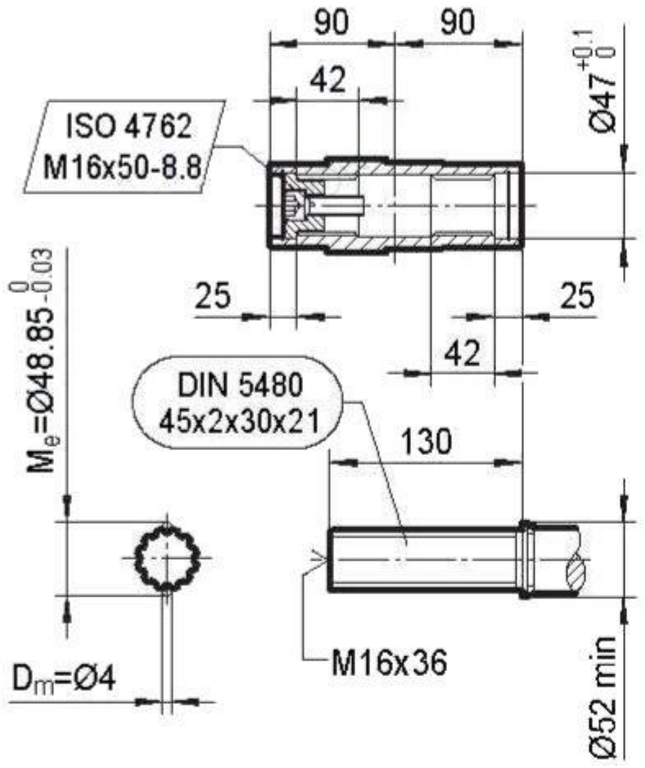

## TKH68B..



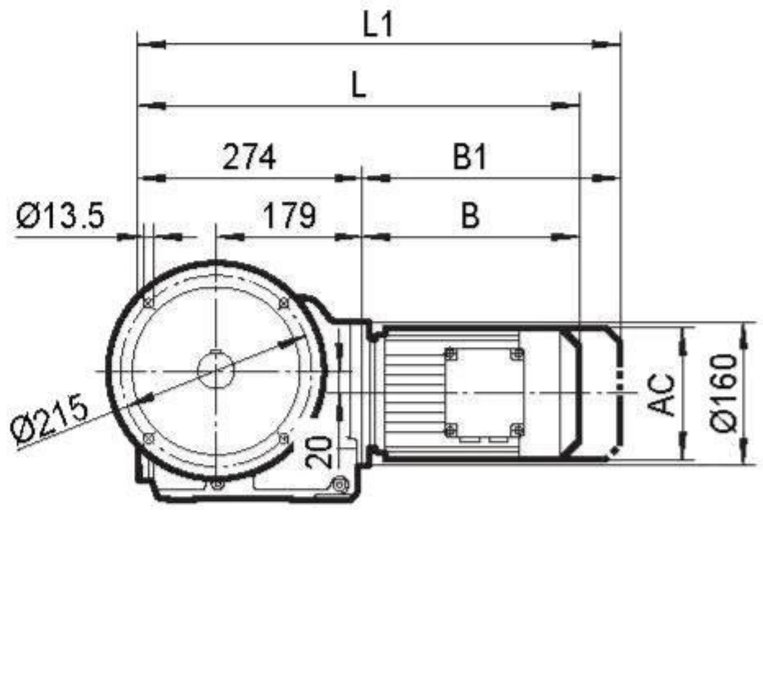

## TKV68B..

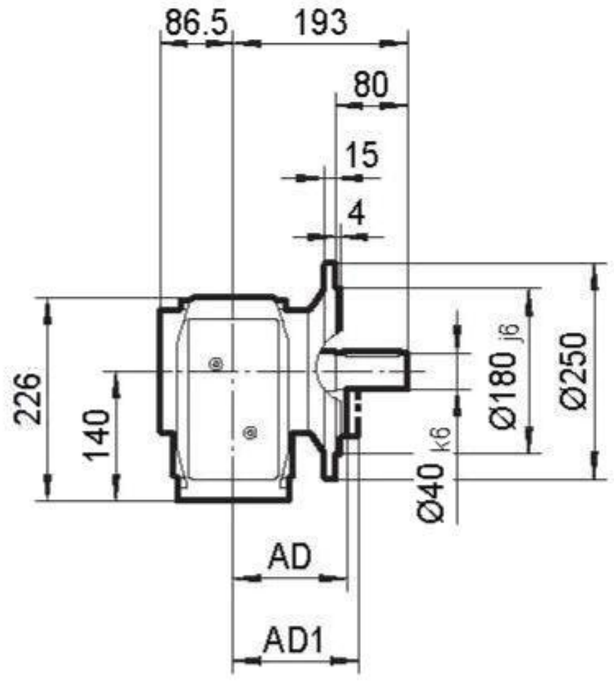


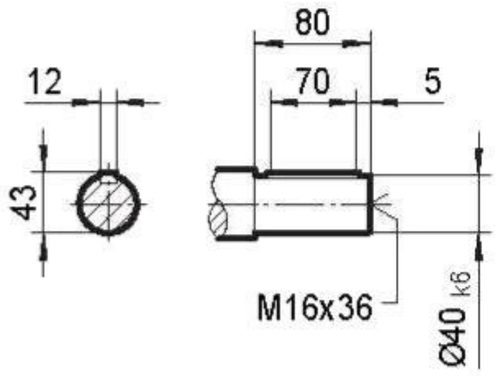




| | MY63.. | MY71D | MY80.. | MY90.. | MY100M | MY100L | MY112M | MY132S | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **AC** | 132 | 145 | 145 | 197 | 197 | 197 | 221 | 221 | | | |
| **AD** | 105 | 122 | 122 | 154 | 166 | 166 | 179 | 179 | | | |
| **AD1** | 105 | 127 | 127 | 161 | 166 | 166 | 182 | 182 | | | |
| **B** | 185 | 199 | 249 | 269 | 319 | 349 | 354 | 402 | | | |
| **B1** | 240 | 263 | 313 | 354 | 404 | 434 | 434 | 482 | | | |
| **L** | 454 | 468 | 518 | 538 | 588 | 618 | 623 | 671 | | | |
| **L1** | 509 | 532 | 582 | 623 | 673 | 703 | 703 | 751 | | | |

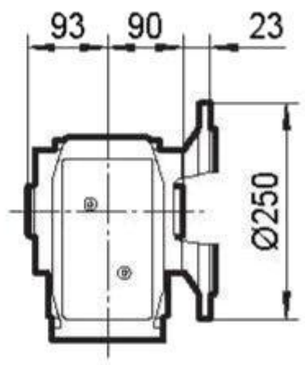
## TKF68..

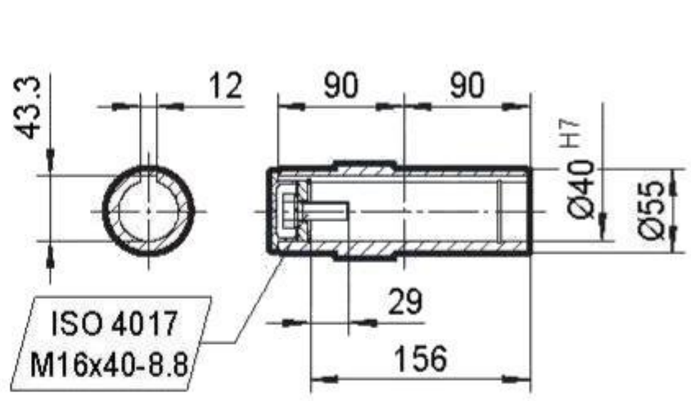


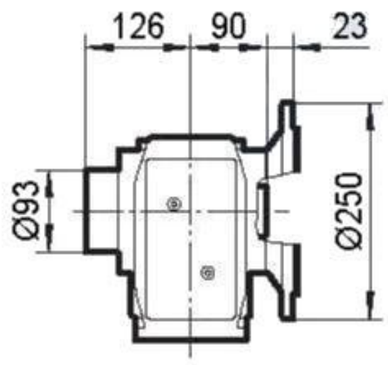



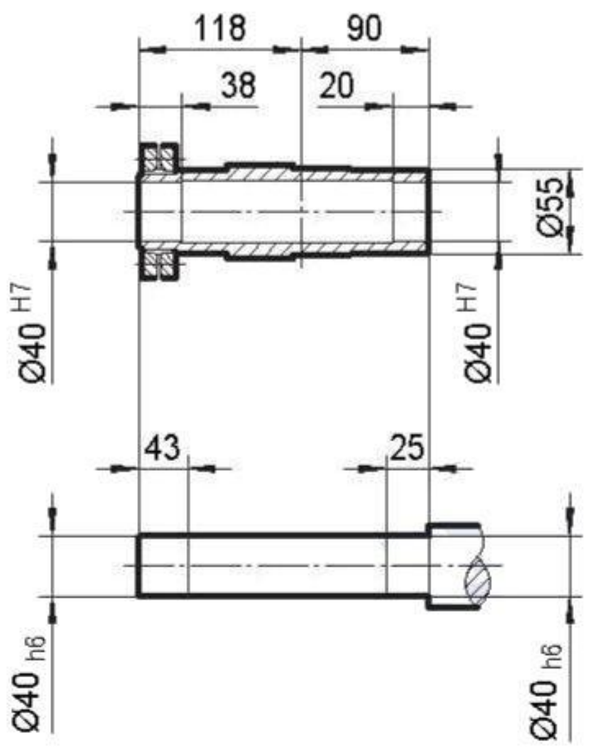

## TKAF68..



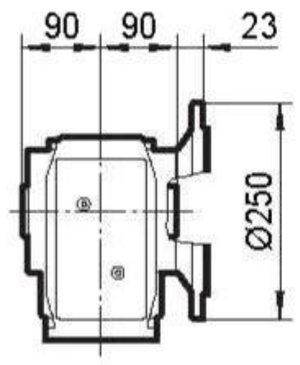



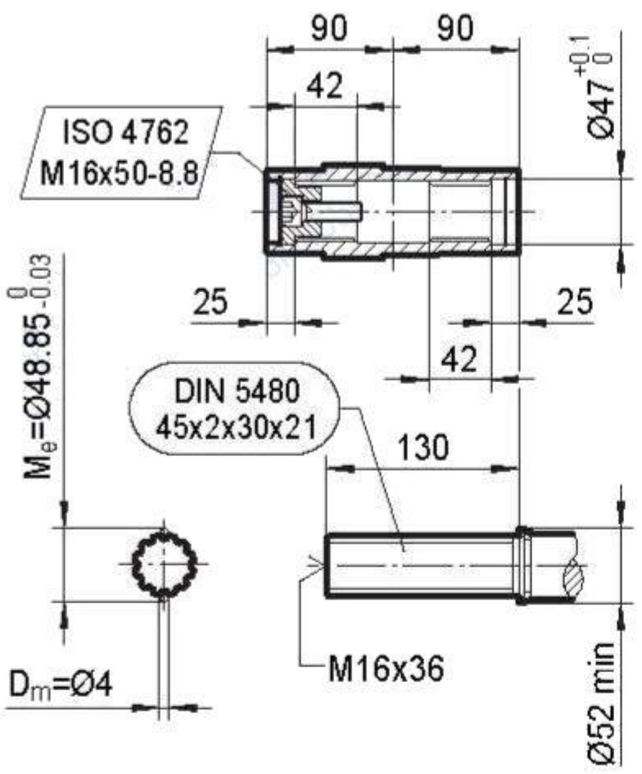

## TKHF68..



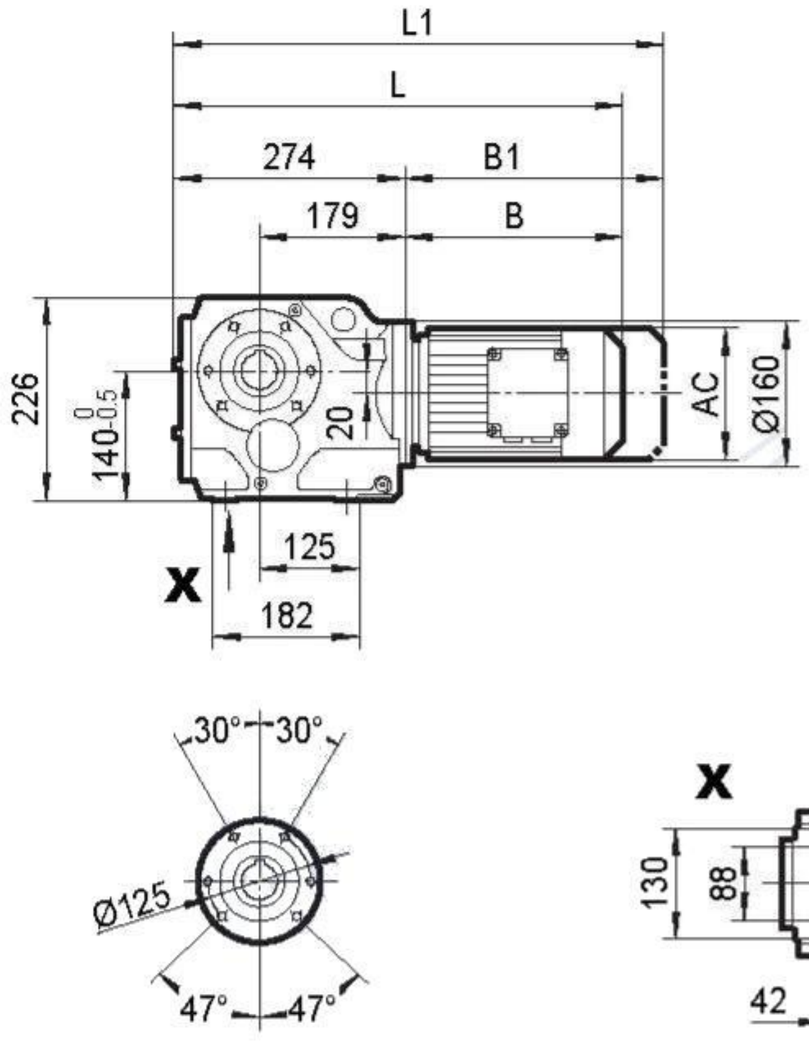

## TKVF68..

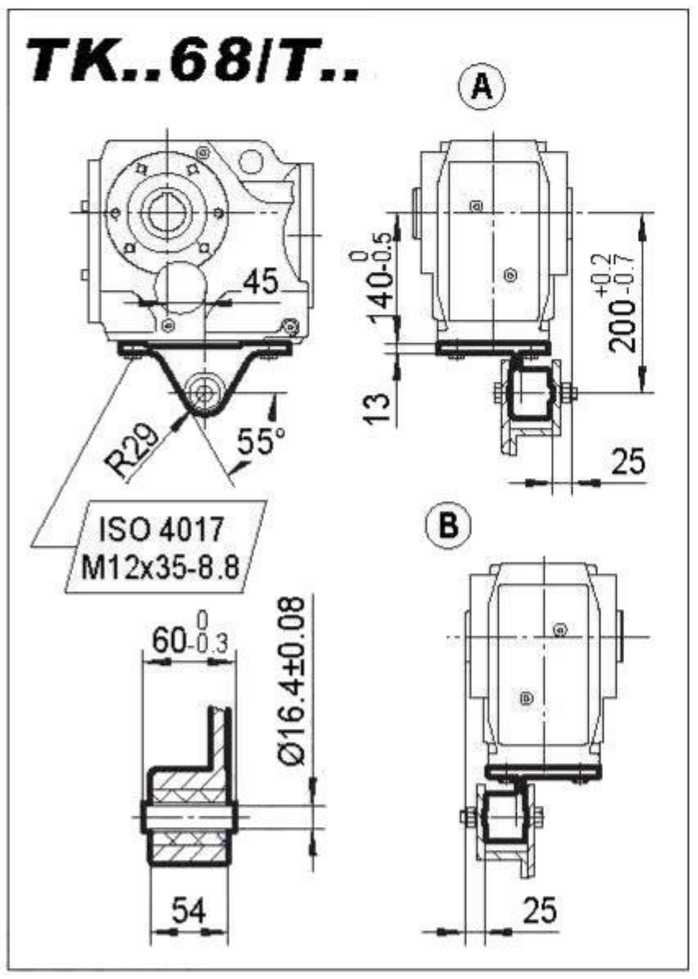


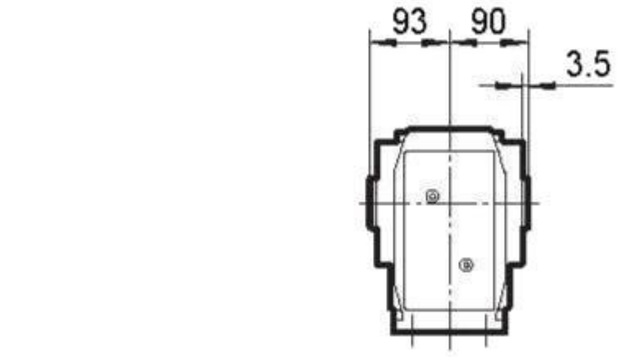

| | MY63.. | MY71D | MY80.. | MY90.. | MY100M | MY100L | MY112M | MY132S | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **AC** | 132 | 145 | 145 | 197 | 197 | 197 | 221 | 221 | | | |
| **AD** | 105 | 122 | 122 | 154 | 166 | 166 | 179 | 179 | | | |
| **AD1** | 105 | 127 | 127 | 161 | 166 | 166 | 182 | 182 | | | |
| **B** | 185 | 199 | 249 | 269 | 319 | 349 | 354 | 402 | | | |
| **B1** | 240 | 263 | 313 | 354 | 404 | 434 | 434 | 482 | | | |
| **L** | 459 | 473 | 523 | 543 | 593 | 623 | 628 | 676 | | | |
| **L1** | 514 | 537 | 587 | 628 | 678 | 708 | 708 | 756 | | | |

## TKA68..

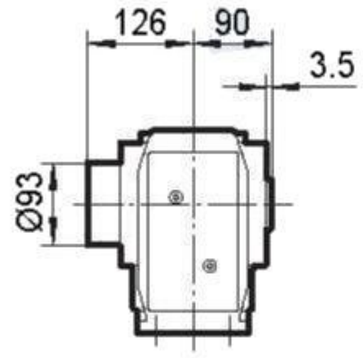


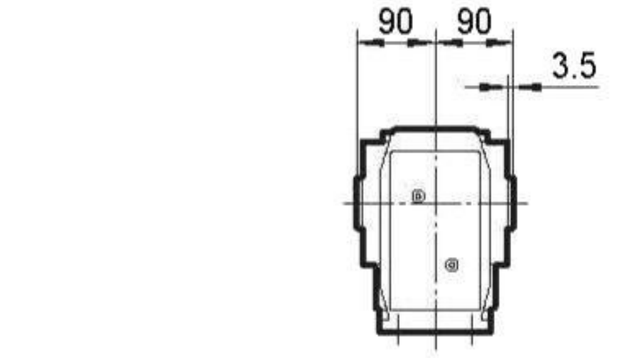

### TKA68..




### TKH68..

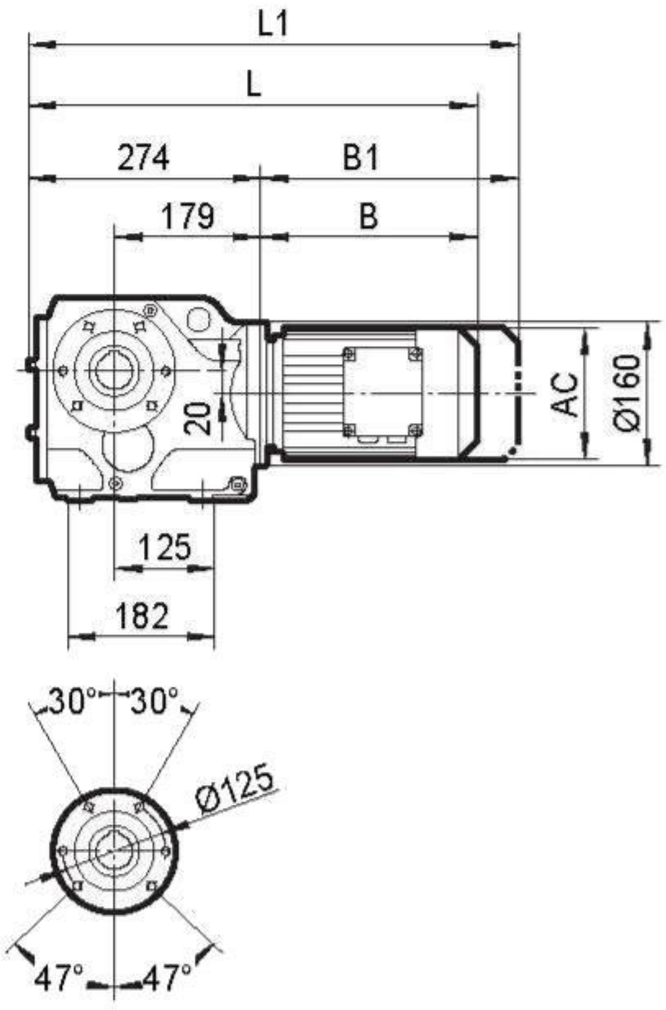


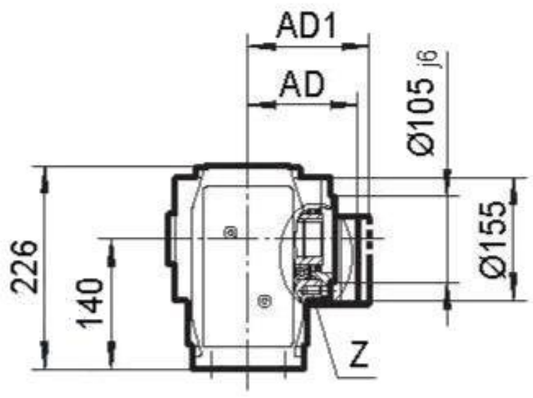

### TKV68..

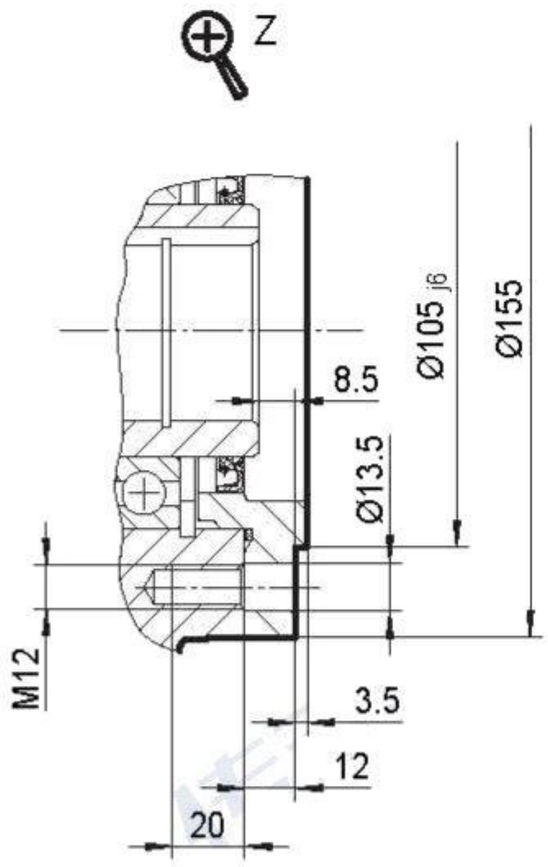



| | MY63.. | MY71D | MY80.. | MY90.. | MY100M | MY100L | MY112M | MY132S | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **AC** | 132 | 145 | 145 | 197 | 197 | 197 | 221 | 221 | | | |
| **AD** | 105 | 122 | 122 | 154 | 166 | 166 | 179 | 179 | | | |
| **AD1** | 105 | 127 | 127 | 161 | 166 | 166 | 182 | 182 | | | |
| **B** | 185 | 199 | 249 | 269 | 319 | 349 | 354 | 402 | | | |
| **B1** | 240 | 263 | 313 | 354 | 404 | 434 | 434 | 482 | | | |
| **L** | 459 | 473 | 523 | 543 | 593 | 623 | 628 | 676 | | | |
| **L1** | 514 | 537 | 587 | 628 | 678 | 708 | 708 | 756 | | | |

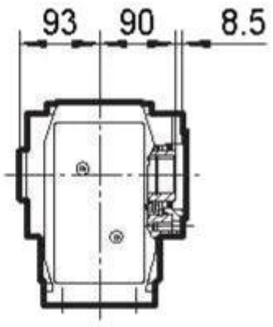
## TKAZ68..

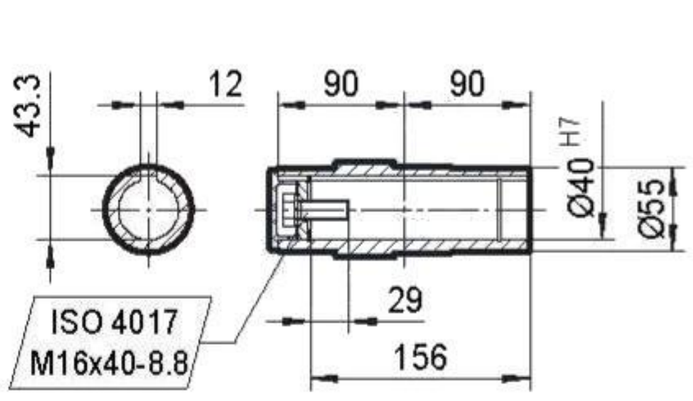


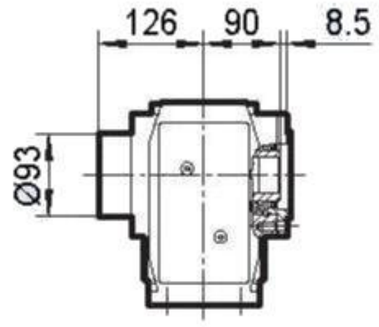



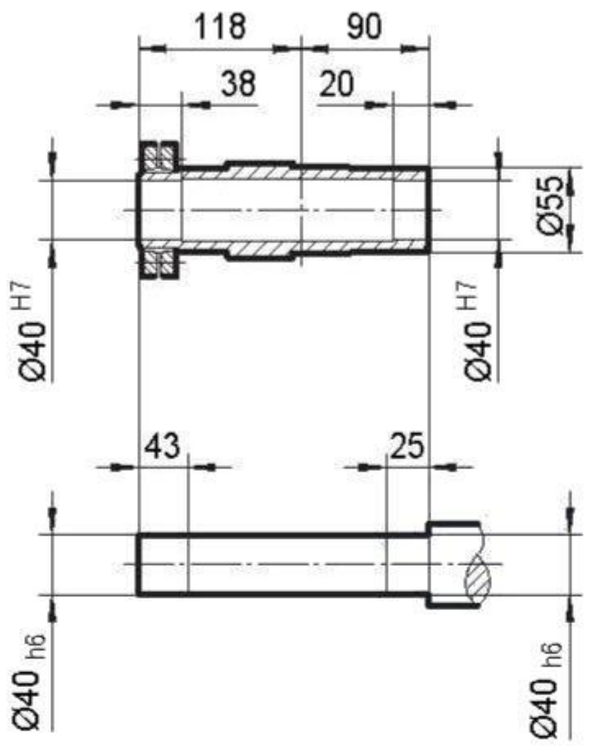

## TKAZ68..



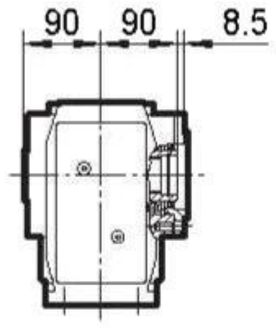



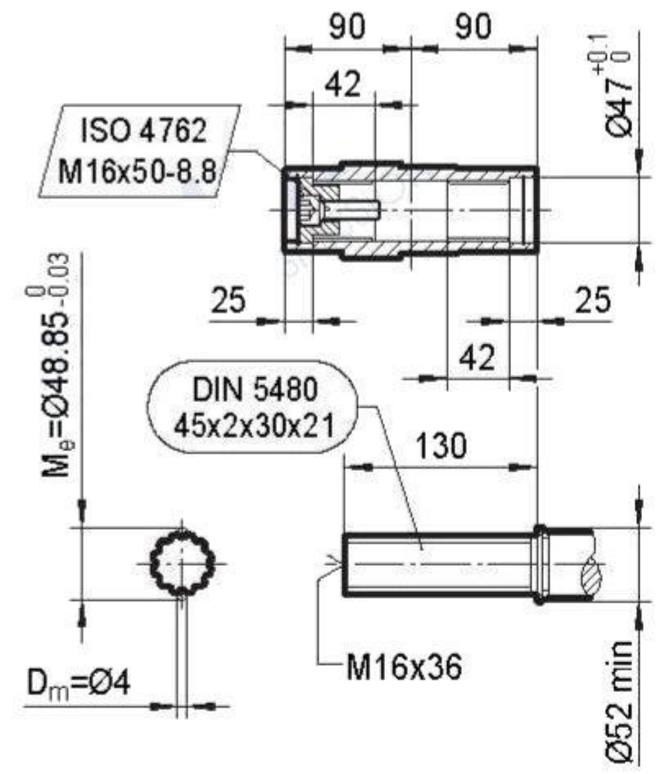

## TKHZ68..



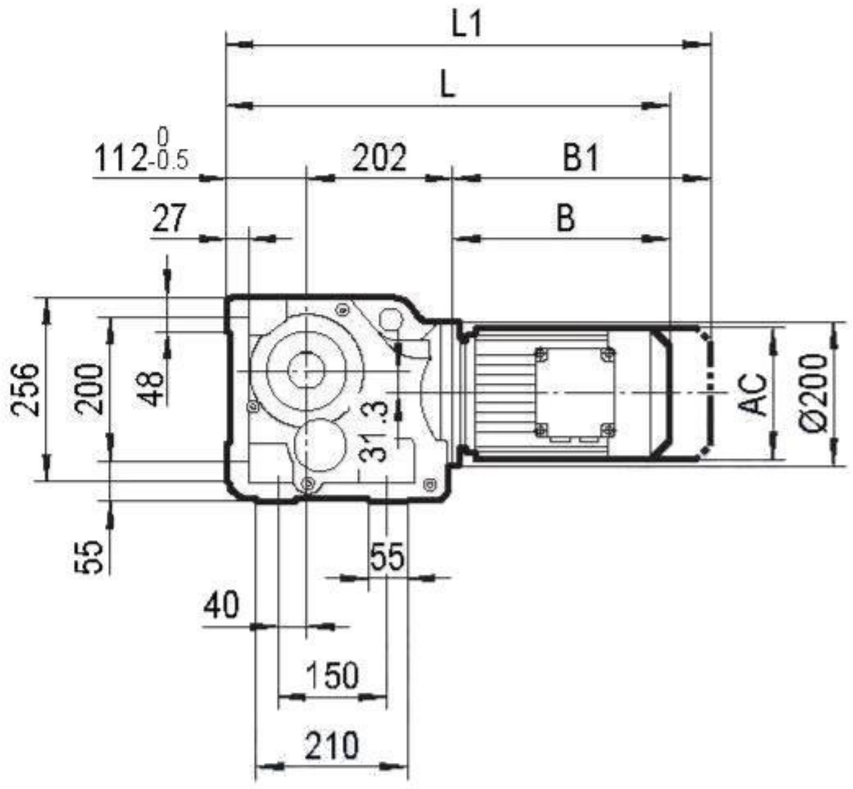

## TKVZ68..



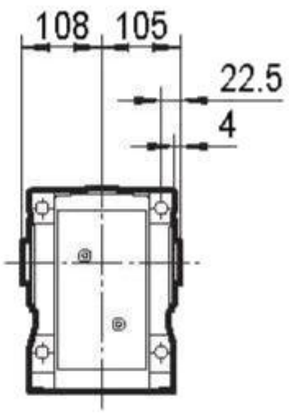



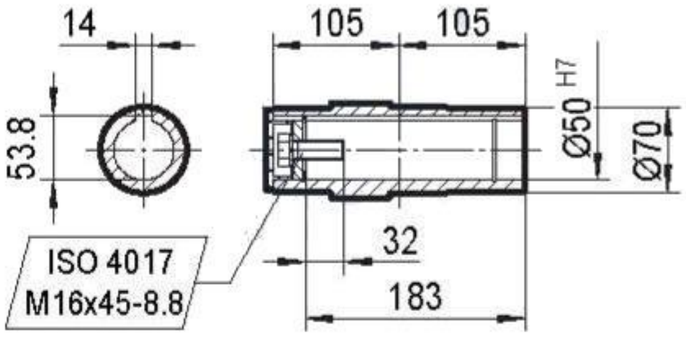

| | MY63.. | MY71D | MY80.. | MY90.. | MY100M | MY100L | MY112M | MY132S | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **AC** | 132 | 145 | 145 | 197 | 197 | 197 | 221 | 221 | | | |
| **AD** | 105 | 122 | 122 | 154 | 166 | 166 | 179 | 179 | | | |
| **AD1** | 105 | 127 | 127 | 161 | 166 | 166 | 182 | 182 | | | |
| **B** | 185 | 199 | 249 | 269 | 319 | 349 | 354 | 402 | | | |
| **B1** | 240 | 263 | 313 | 354 | 404 | 434 | 434 | 482 | | | |
| **L** | 459 | 473 | 523 | 543 | 593 | 623 | 628 | 676 | | | |
| **L1** | 514 | 537 | 587 | 628 | 678 | 708 | 708 | 756 | | | |

## TK78..

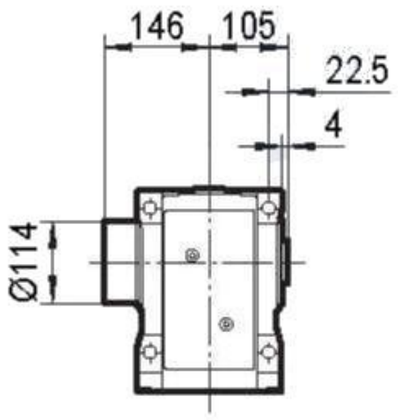


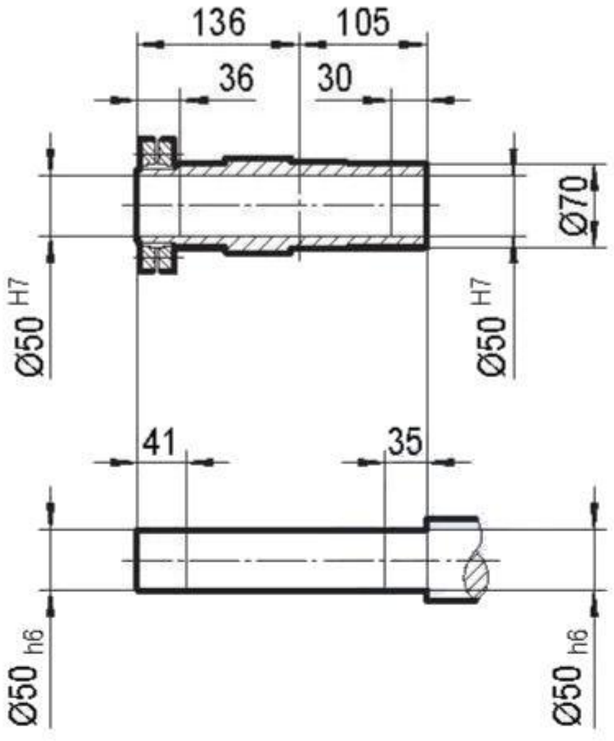

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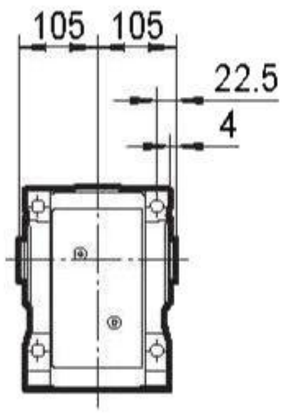



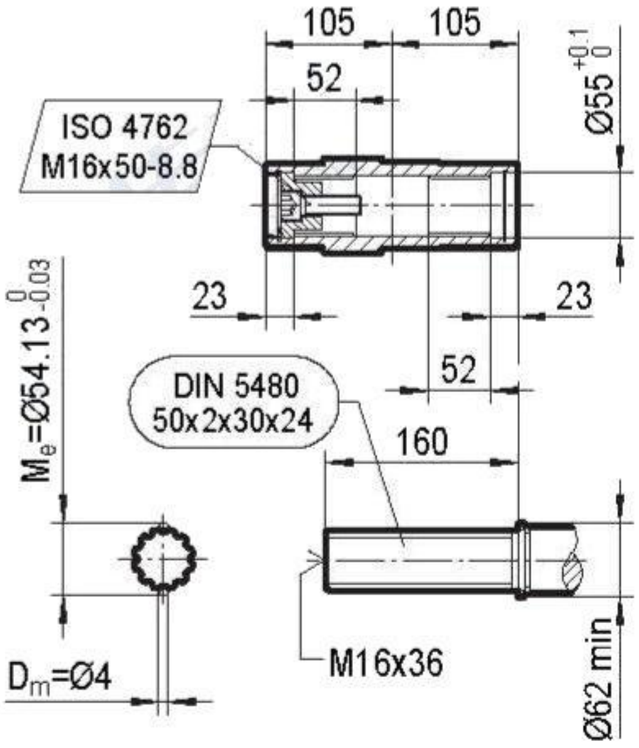

## TKH78B..



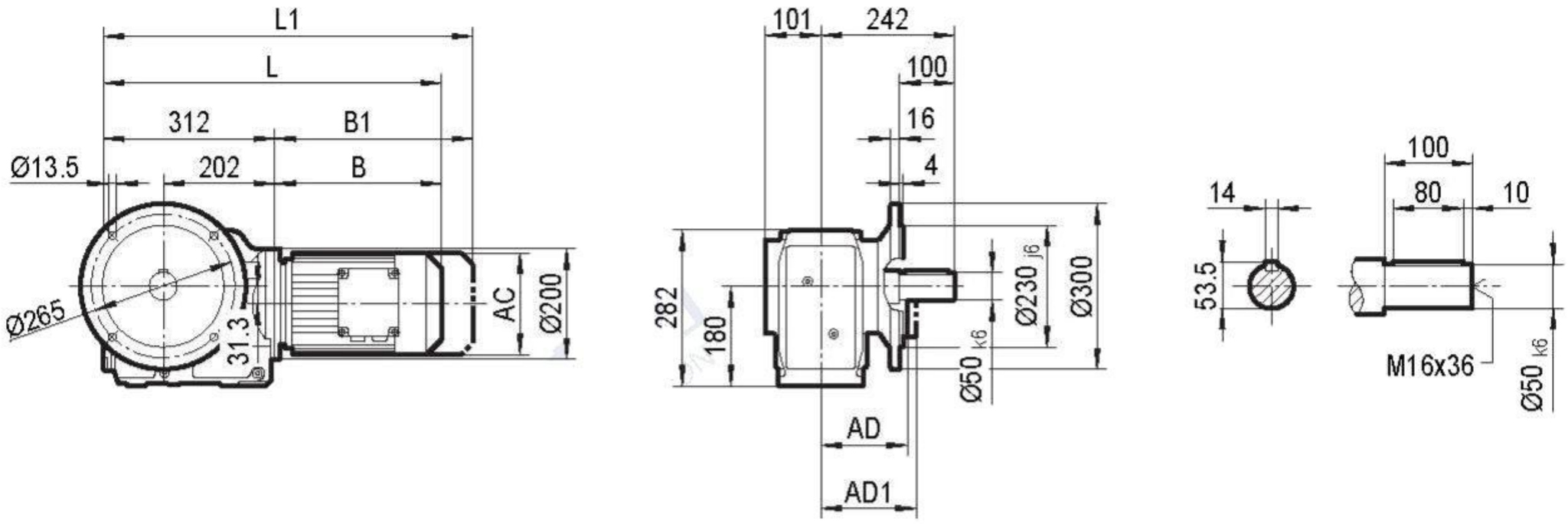

## TKV78B..



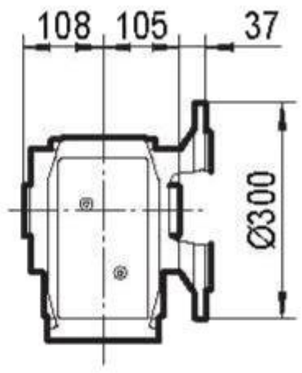




| | MY71D | MY80.. | MY90.. | MY100M | MY100L | MY112M | MY132S | MY132M | MY132ML | MY160M | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **AC** | 145 | 145 | 197 | 197 | 197 | 221 | 221 | 275 | 275 | 275 | |
| **AD** | 122 | 122 | 154 | 166 | 166 | 179 | 179 | 230 | 230 | 230 | |
| **AD1** | 127 | 127 | 161 | 166 | 166 | 182 | 182 | 230 | 230 | 230 | |
| **B** | 193 | 243 | 261 | 311 | 341 | 345 | 390 | 412 | 472 | 472 | |
| **B1** | 257 | 307 | 346 | 396 | 426 | 425 | 470 | 524 | 584 | 584 | |
| **L** | 507 | 557 | 575 | 625 | 655 | 659 | 704 | 726 | 786 | 786 | |
| **L1** | 571 | 621 | 660 | 710 | 740 | 739 | 784 | 838 | 898 | 898 | |

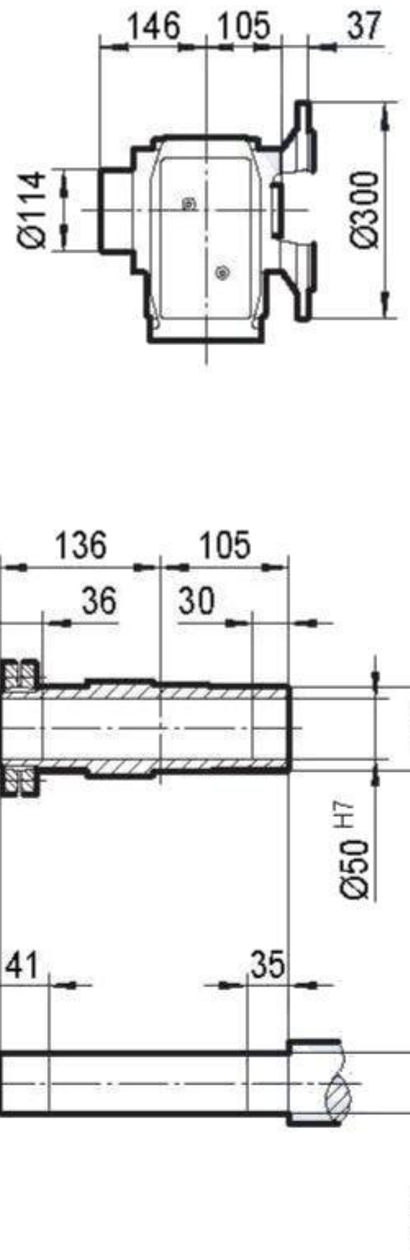
## TKF78..



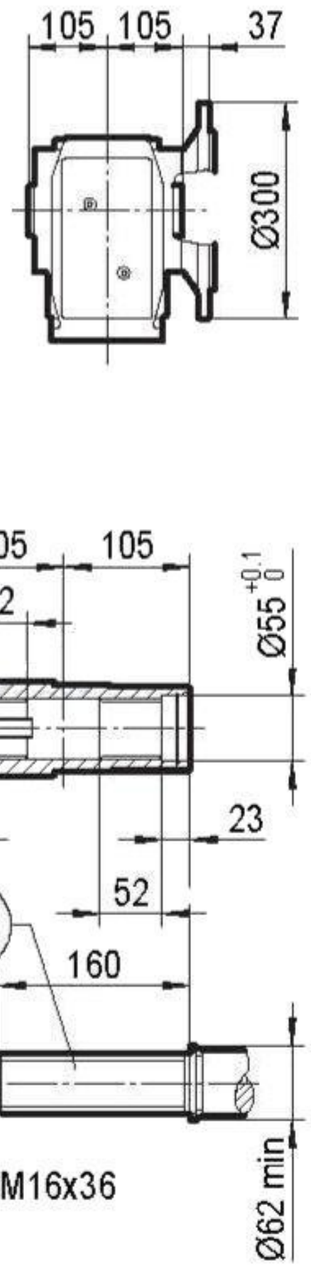

## TKAF78..




## TKHF78..

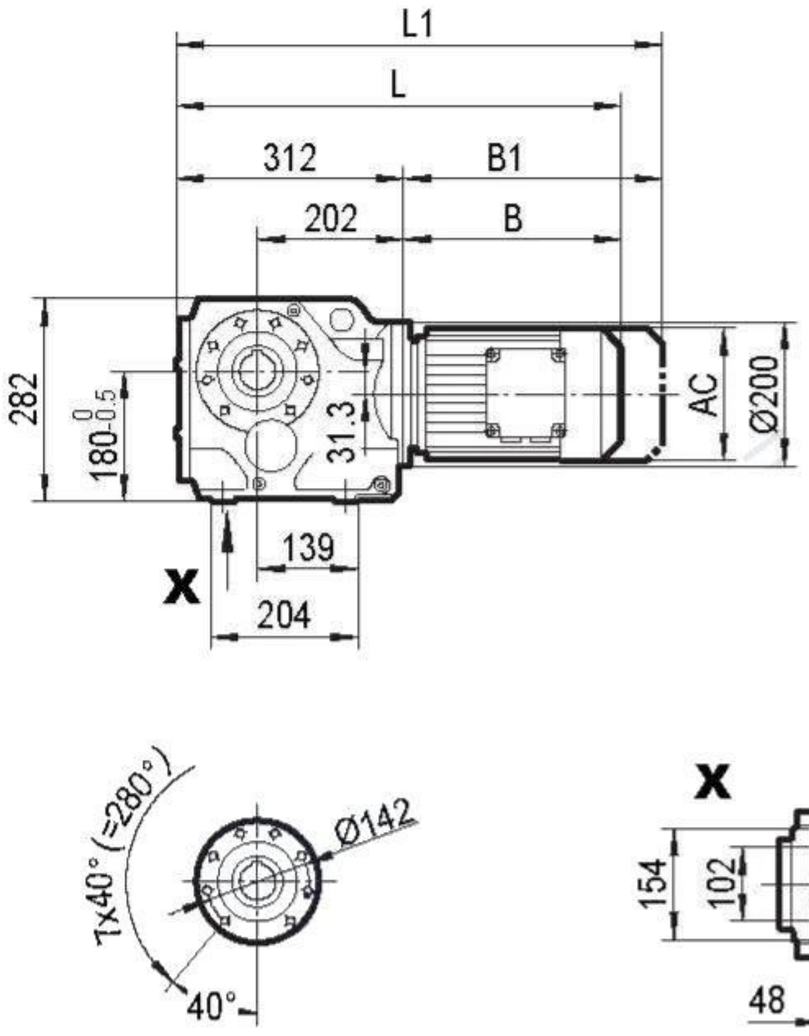


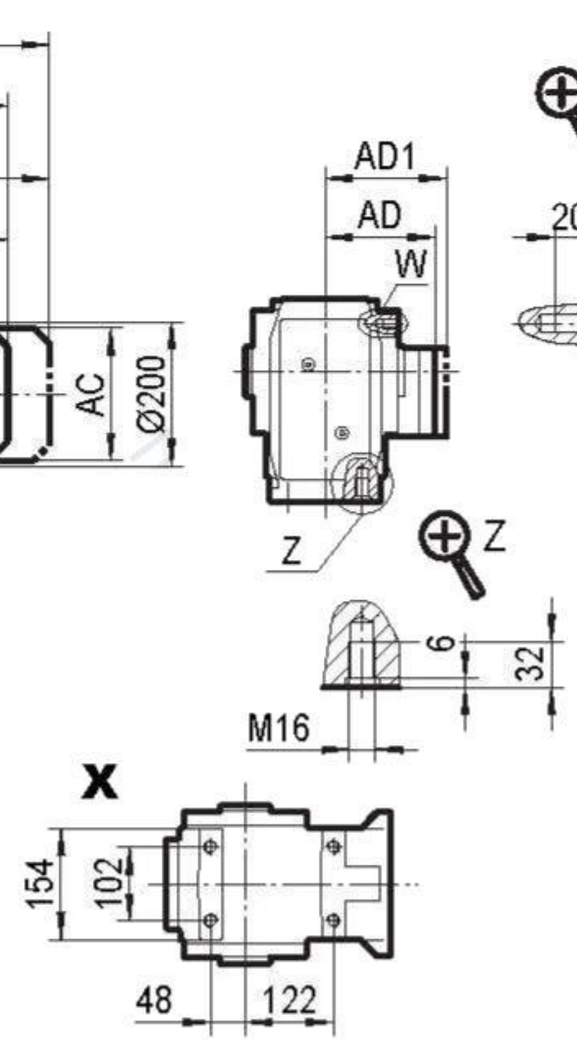

## TKVF78..

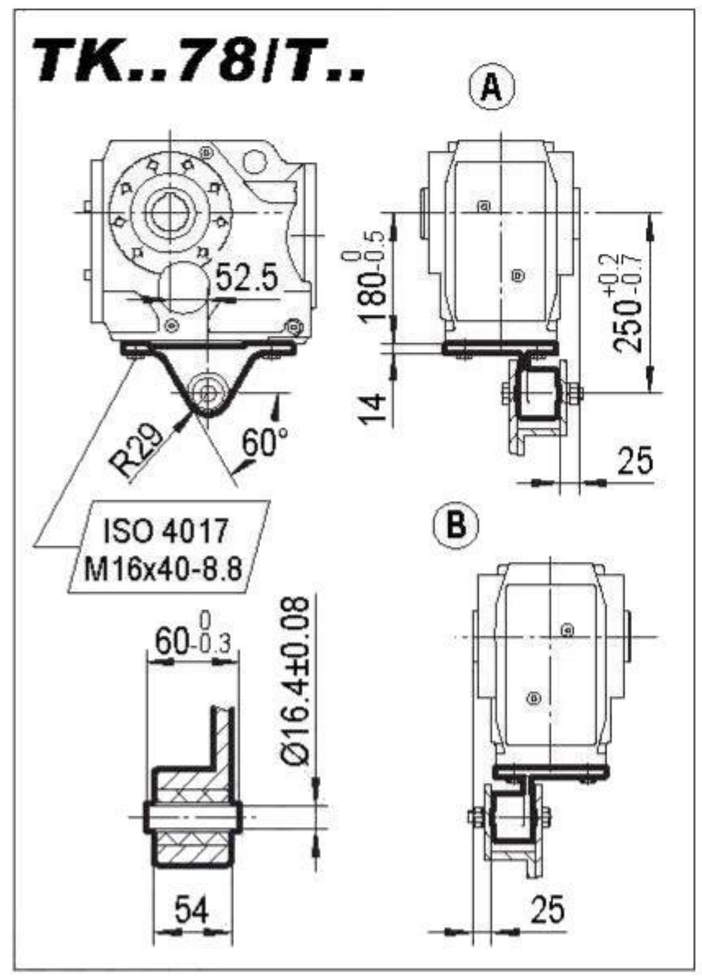



| | MY71D | MY80.. | MY90.. | MY100M | MY100L | MY112M | MY132S | MY132M | MY132ML | MY160M | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **AC** | 145 | 145 | 197 | 197 | 197 | 221 | 221 | 275 | 275 | 275 | |
| **AD** | 122 | 122 | 154 | 166 | 166 | 179 | 179 | 230 | 230 | 230 | |
| **AD1** | 127 | 127 | 161 | 166 | 166 | 182 | 182 | 230 | 230 | 230 | |
| **B** | 193 | 243 | 261 | 311 | 341 | 345 | 390 | 412 | 472 | 472 | |
| **B1** | 257 | 307 | 346 | 396 | 426 | 425 | 470 | 524 | 584 | 584 | |
| **L** | 505 | 555 | 573 | 623 | 653 | 657 | 702 | 724 | 784 | 784 | |
| **L1** | 569 | 619 | 658 | 708 | 738 | 737 | 782 | 836 | 896 | 896 | |

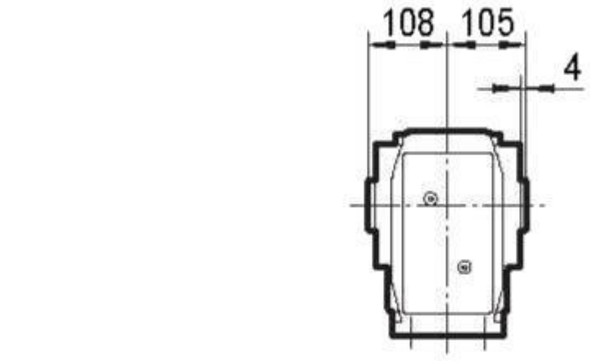
## TKA78..

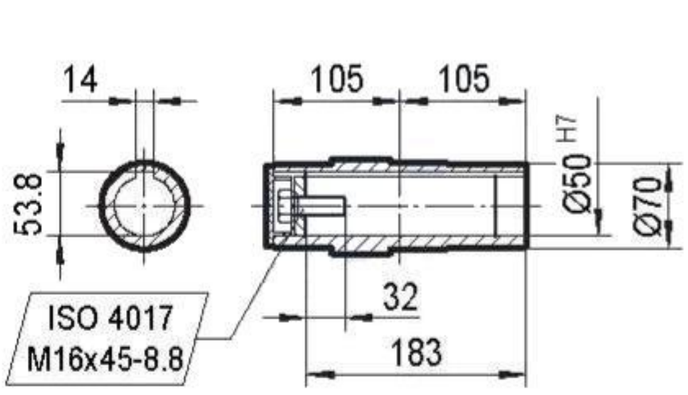


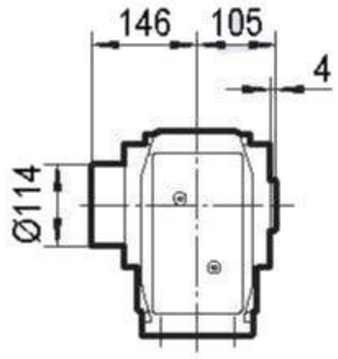



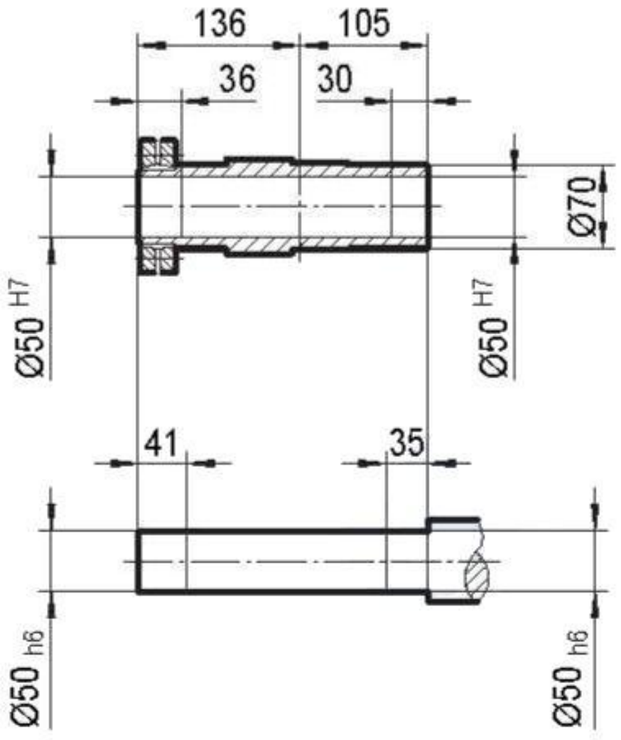

## TKA78..



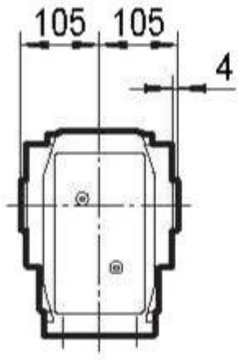



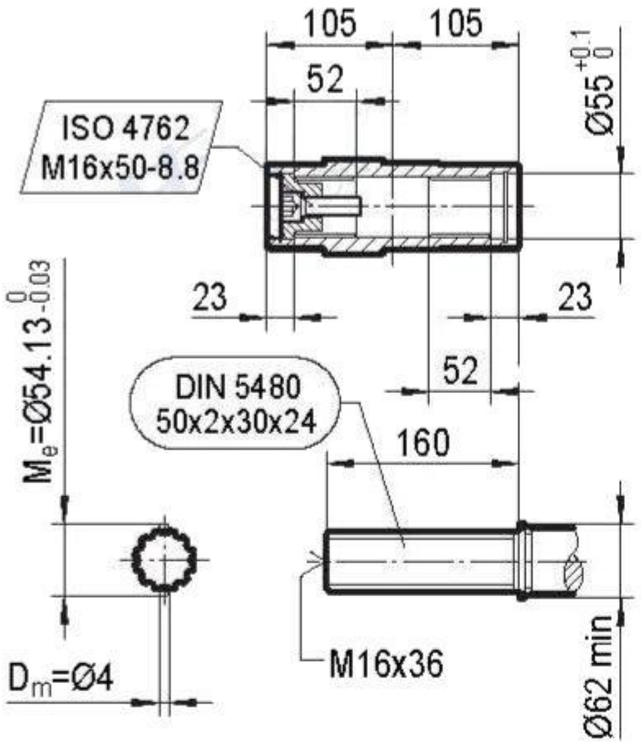

## TKH78..



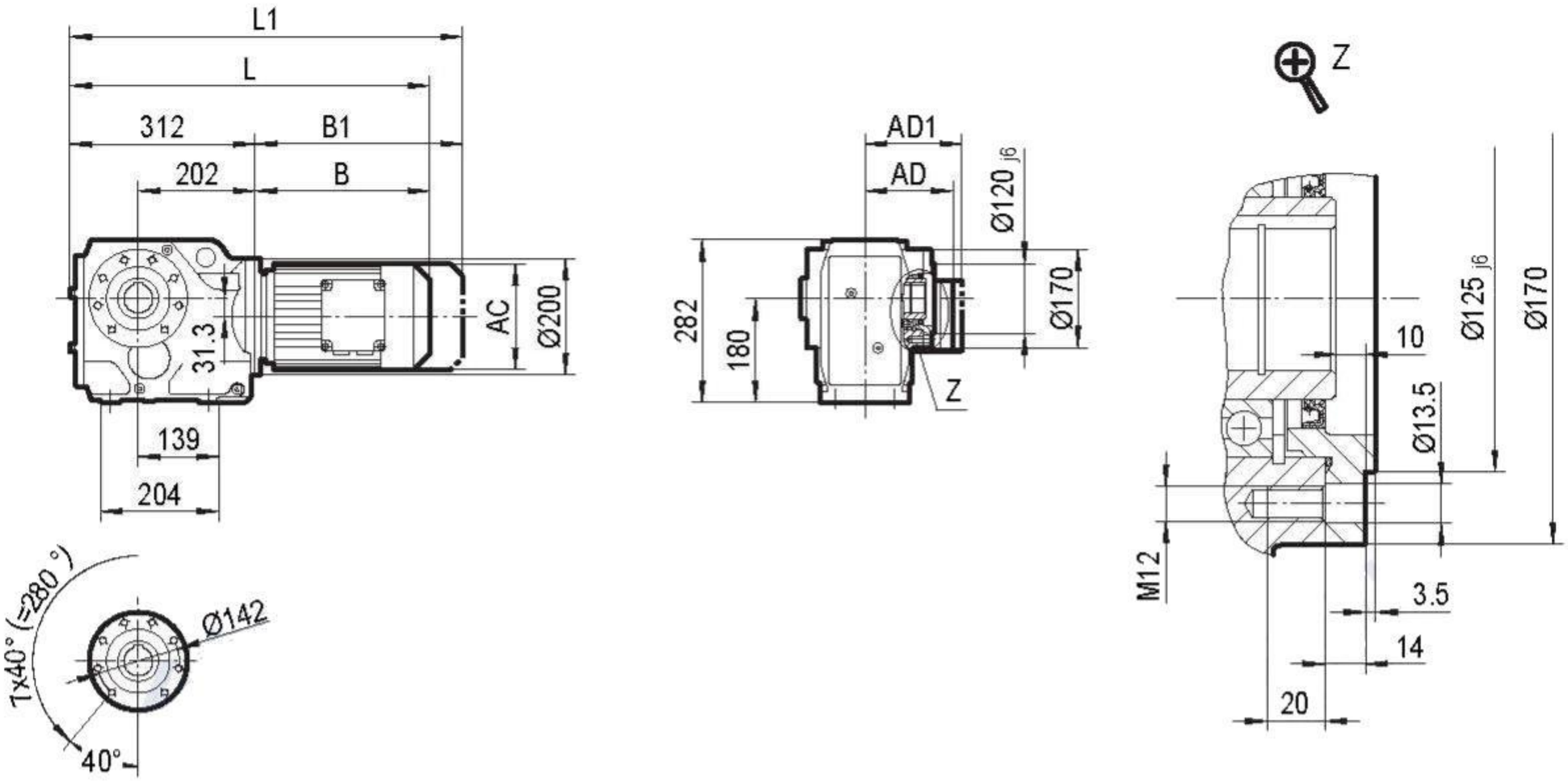

## TKV78..



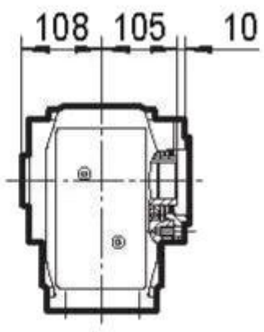



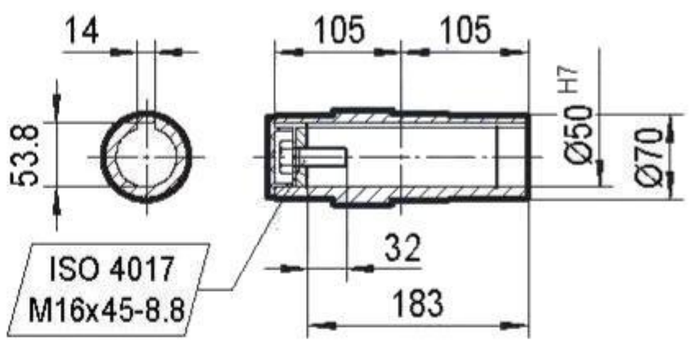

| | MY71D | MY80.. | MY90.. | MY100M | MY100L | MY112M | MY132S | MY132M | MY132ML | MY160M | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **AC** | 145 | 145 | 197 | 197 | 197 | 221 | 221 | 275 | 275 | 275 | |
| **AD** | 122 | 122 | 154 | 166 | 166 | 179 | 179 | 230 | 230 | 230 | |
| **AD1** | 127 | 127 | 161 | 166 | 166 | 182 | 182 | 230 | 230 | 230 | |
| **B** | 193 | 243 | 261 | 311 | 341 | 345 | 390 | 412 | 472 | 472 | |
| **B1** | 257 | 307 | 346 | 396 | 426 | 425 | 470 | 524 | 584 | 584 | |
| **L** | 505 | 555 | 573 | 623 | 653 | 657 | 702 | 724 | 784 | 784 | |
| **L1** | 569 | 619 | 658 | 708 | 738 | 737 | 782 | 836 | 896 | 896 | |

## TKAZ78..

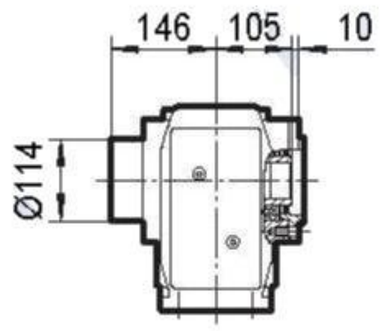


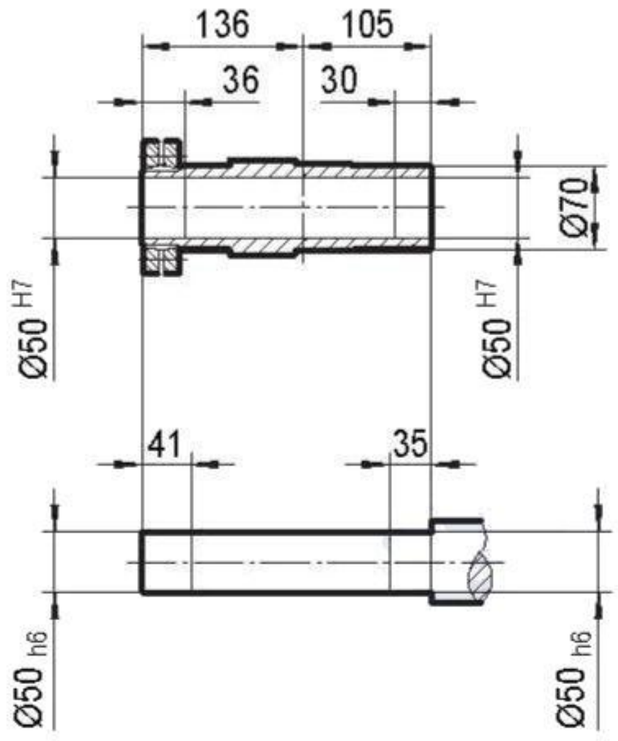

## TKAZ78..



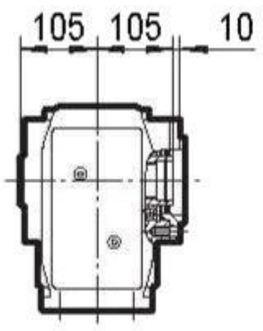



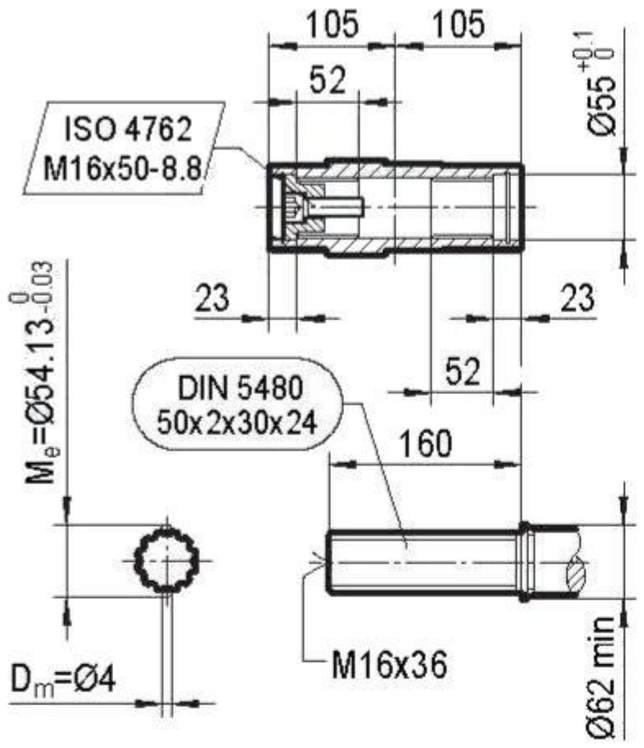

## TKHZ78..



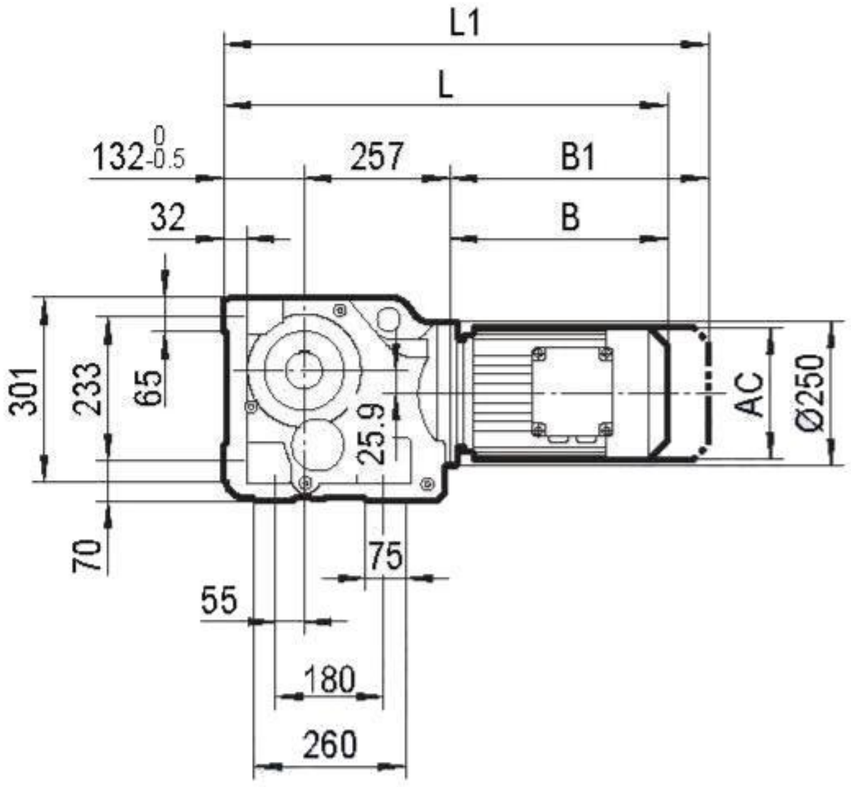

## TKVZ78..

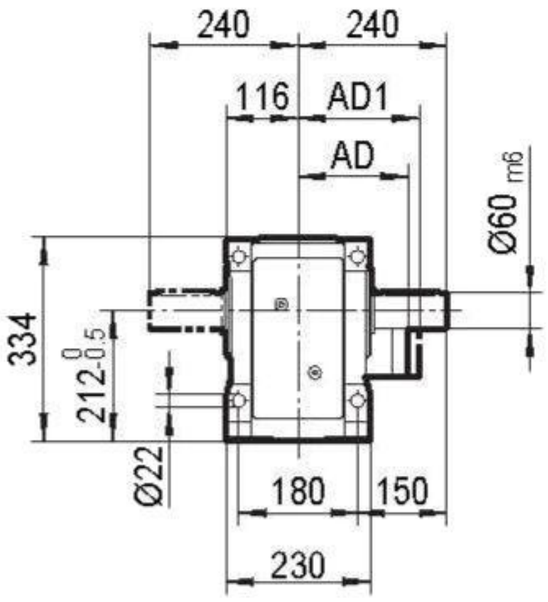


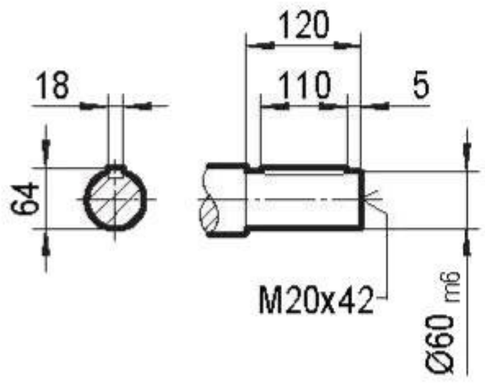




| | MY71D | MY80.. | MY90.. | MY100M | MY100L | MY112M | MY132S | MY132M | MY132ML | MY160M | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| AC | 145 | 145 | 197 | 197 | 197 | 221 | 221 | 275 | 275 | 275 | |
| AD | 122 | 122 | 154 | 166 | 166 | 179 | 179 | 230 | 230 | 230 | |
| AD1 | 127 | 127 | 161 | 166 | 166 | 182 | 182 | 230 | 230 | 230 | |
| B | 193 | 243 | 261 | 311 | 341 | 345 | 390 | 412 | 472 | 472 | |
| B1 | 257 | 307 | 346 | 396 | 426 | 425 | 470 | 524 | 584 | 584 | |
| L | 505 | 555 | 573 | 623 | 653 | 657 | 702 | 724 | 784 | 784 | |
| L1 | 569 | 619 | 658 | 708 | 738 | 737 | 782 | 836 | 896 | 896 | |

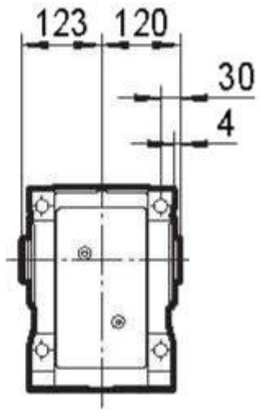
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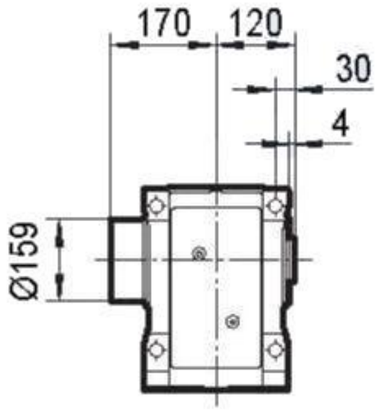


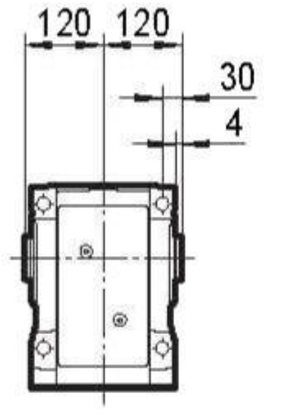



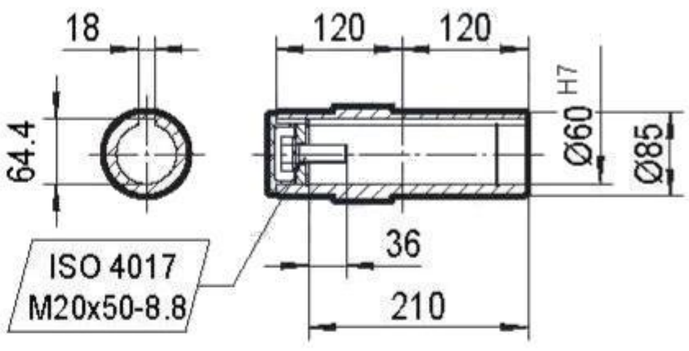



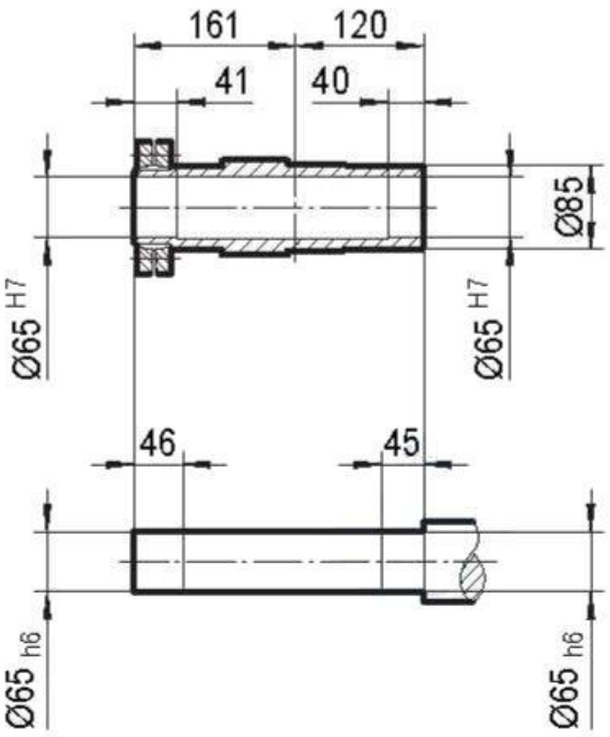

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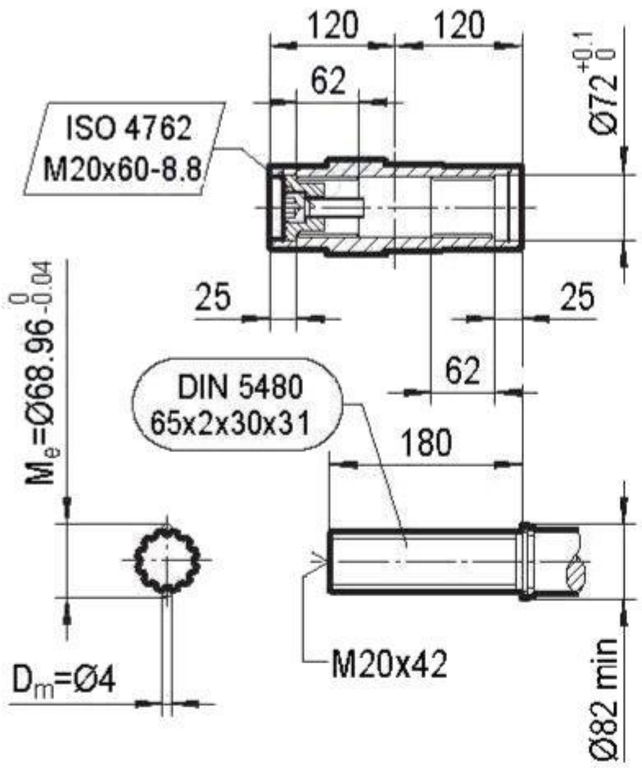


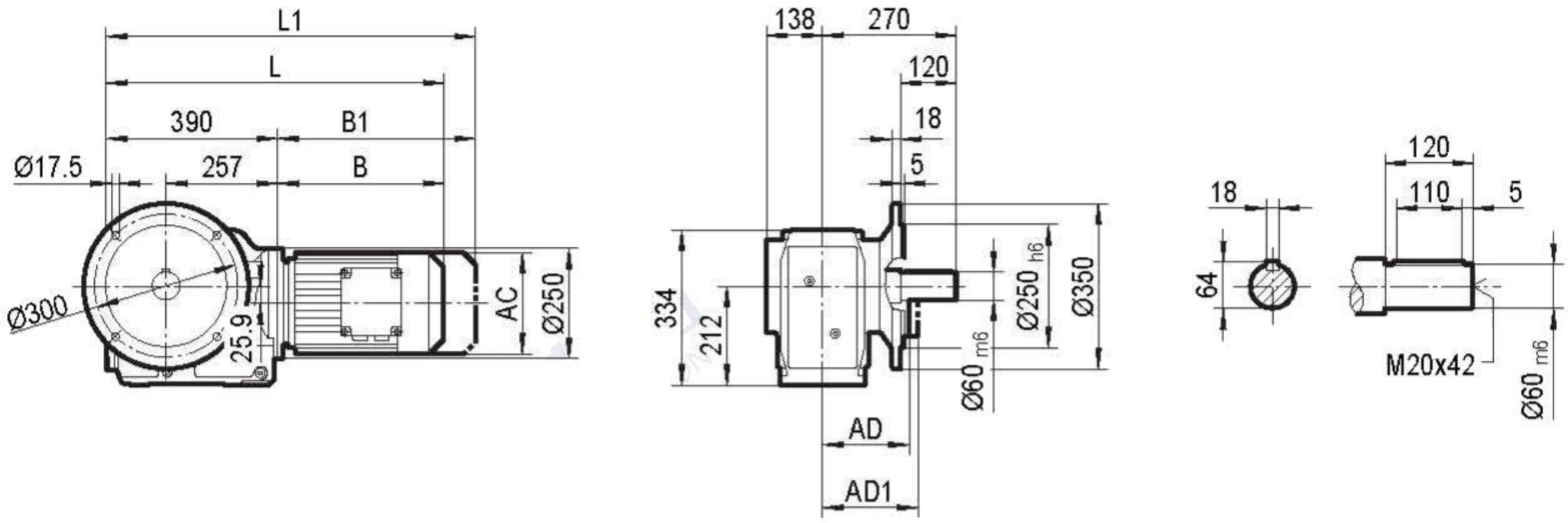



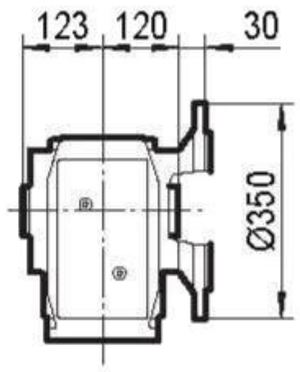




| | MY80.. | MY90.. | MY100M | MY100L | MY112M | MY132S | MY132M | MY132ML | MY160M | MY160L | MY180.. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **AC** | 145 | 197 | 197 | 197 | 221 | 221 | 275 | 275 | 275 | 331 | 331 |
| **AD** | 122 | 154 | 166 | 166 | 179 | 179 | 230 | 230 | 230 | 258 | 258 |
| **AD1** | 127 | 161 | 166 | 166 | 182 | 182 | 230 | 230 | 230 | 258 | 258 |
| **B** | 238 | 257 | 307 | 337 | 340 | 385 | 407 | 467 | 467 | 514 | 586 |
| **B1** | 302 | 342 | 392 | 422 | 420 | 465 | 519 | 579 | 579 | 670 | 742 |
| **L** | 627 | 646 | 696 | 726 | 729 | 774 | 796 | 856 | 856 | 903 | 975 |
| **L1** | 691 | 731 | 781 | 811 | 809 | 854 | 908 | 968 | 968 | 1059 | 1131 |

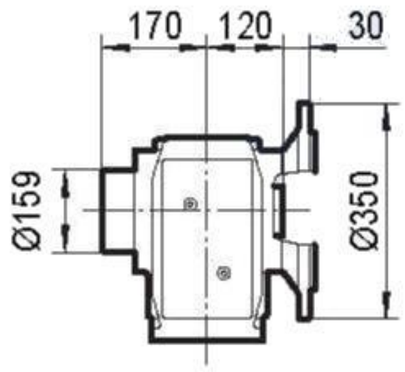
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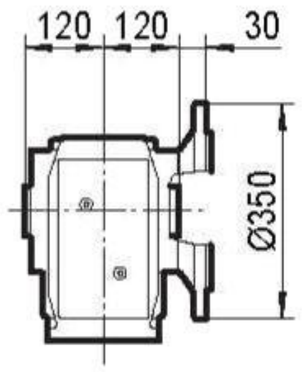

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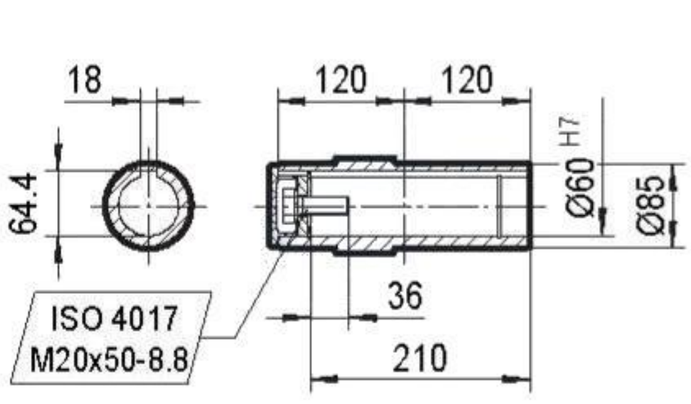


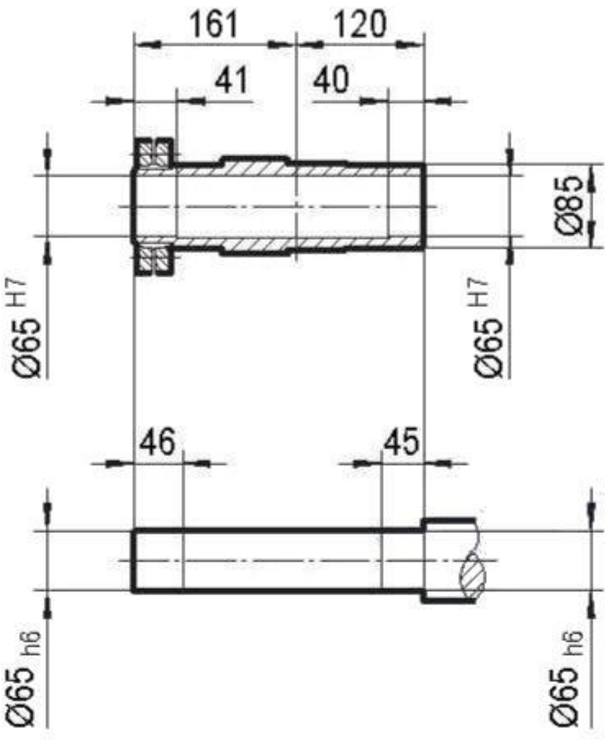

## TKHF88..

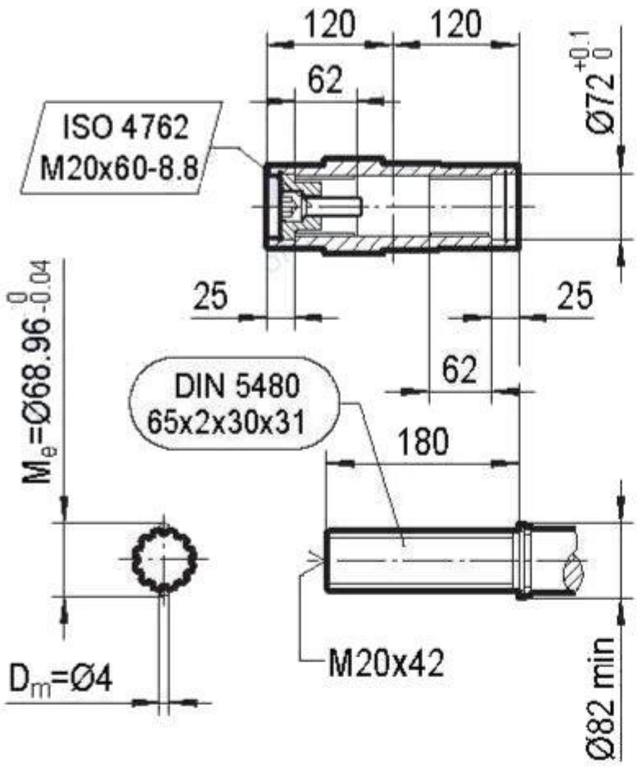



## TKVF88..



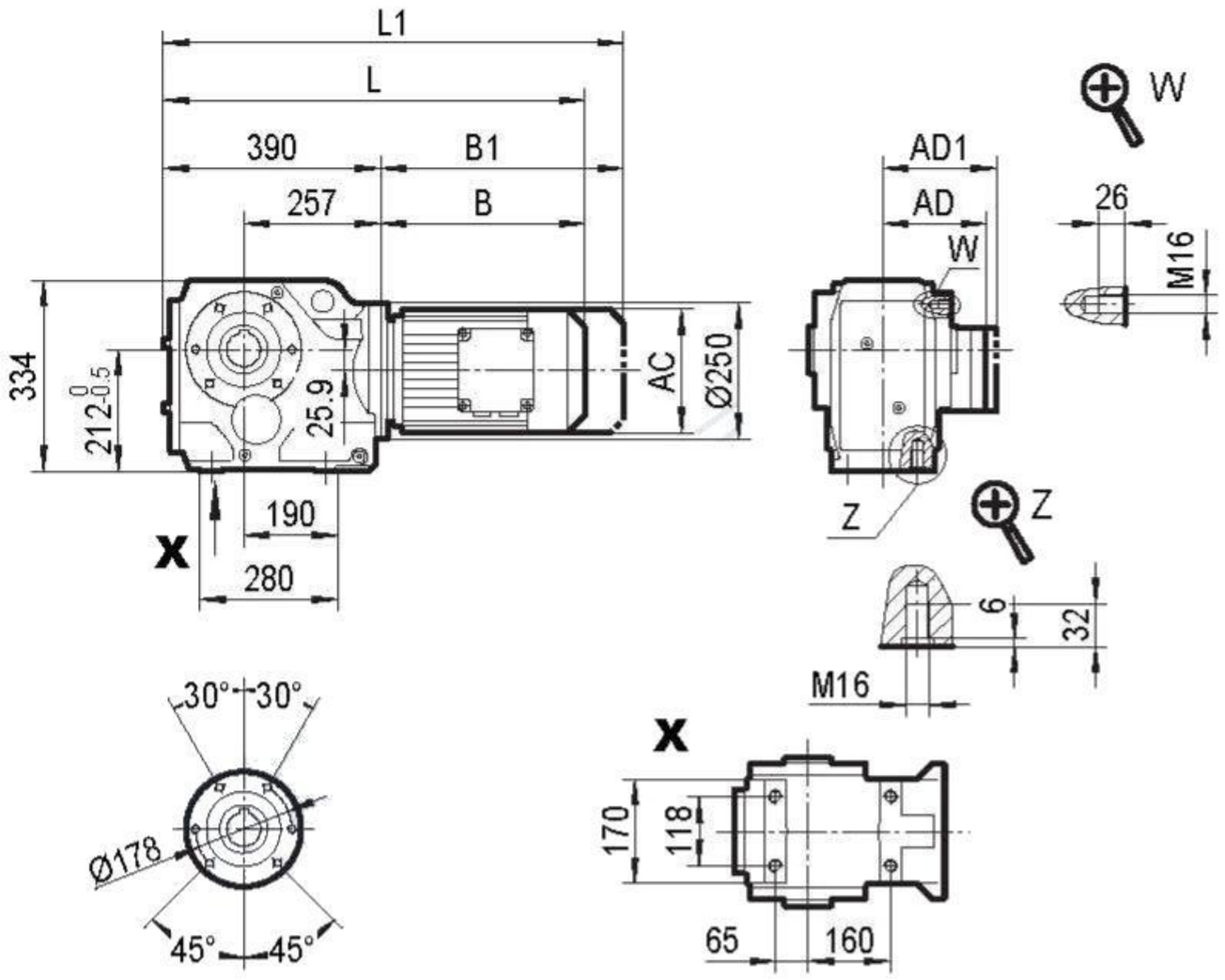



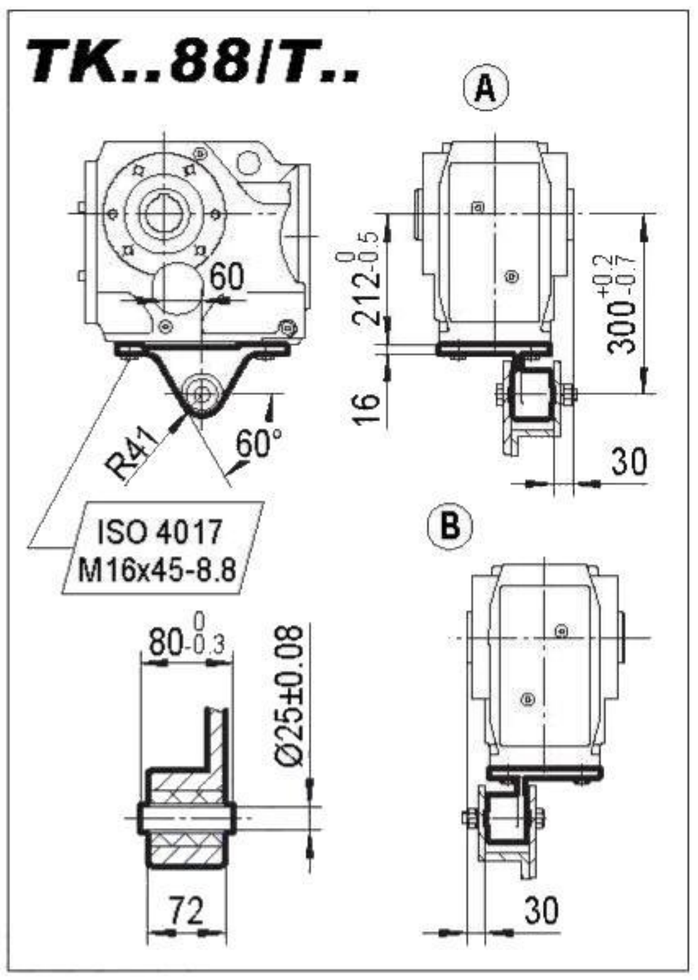



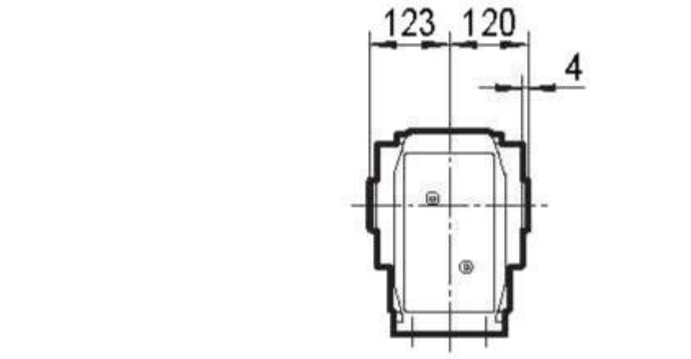

| | MY80.. | MY90.. | MY100M | MY100L | MY112M | MY132S | MY132M | MY132ML | MY160M | MY160L | MY180.. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **AC** | 145 | 197 | 197 | 197 | 221 | 221 | 275 | 275 | 275 | 331 | 331 |
| **AD** | 122 | 154 | 166 | 166 | 179 | 179 | 230 | 230 | 230 | 258 | 258 |
| **AD1** | 127 | 161 | 166 | 166 | 182 | 182 | 230 | 230 | 230 | 258 | 258 |
| **B** | 238 | 257 | 307 | 337 | 340 | 385 | 407 | 467 | 467 | 514 | 586 |
| **B1** | 302 | 342 | 392 | 422 | 420 | 465 | 519 | 579 | 579 | 670 | 742 |
| **L** | 628 | 647 | 697 | 727 | 730 | 775 | 797 | 857 | 857 | 904 | 976 |
| **L1** | 692 | 732 | 782 | 812 | 810 | 855 | 909 | 969 | 969 | 1060 | 1132 |

## TKA88..

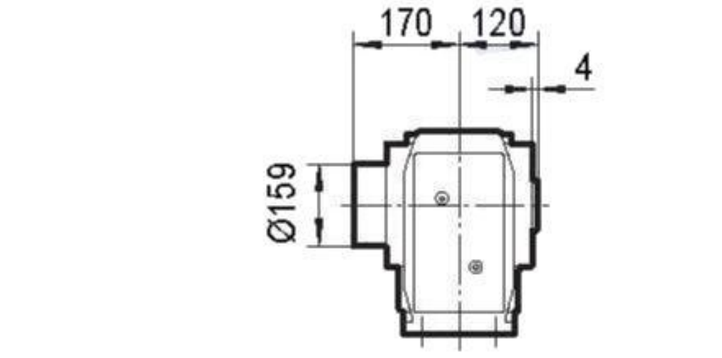


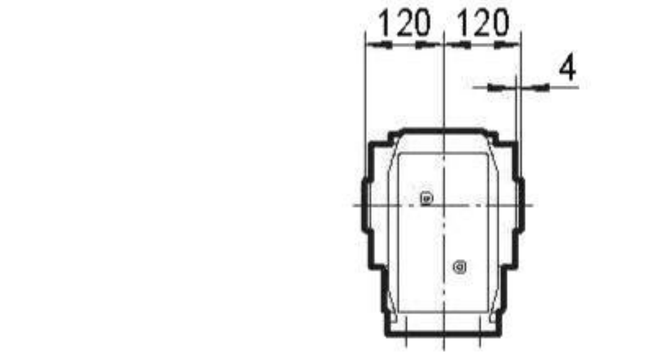

### TKA88..




### TKH88..

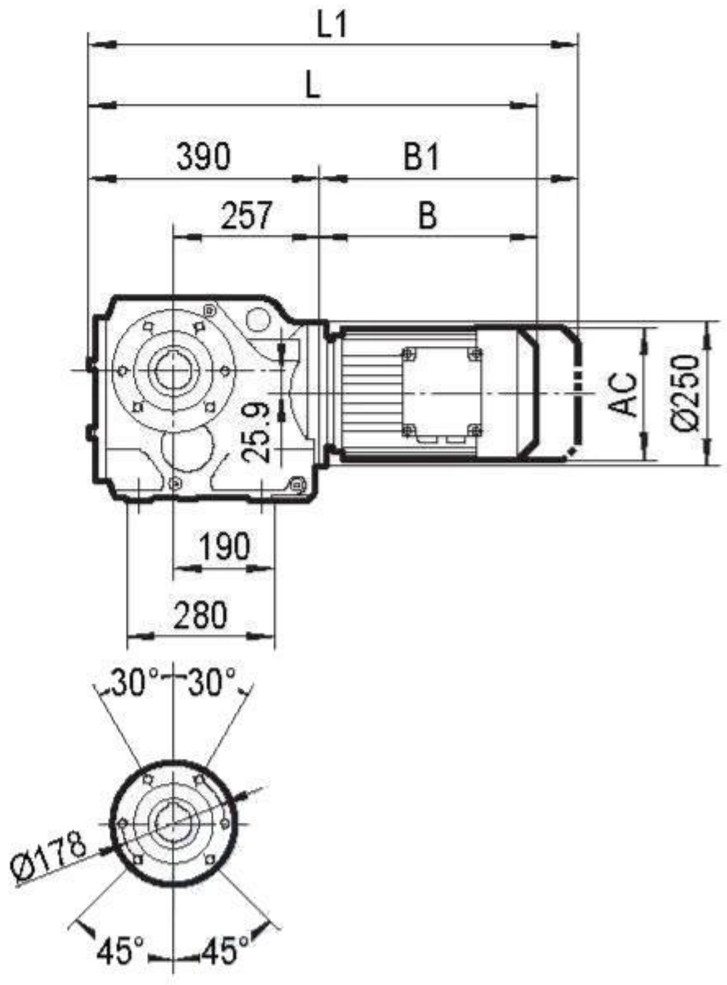


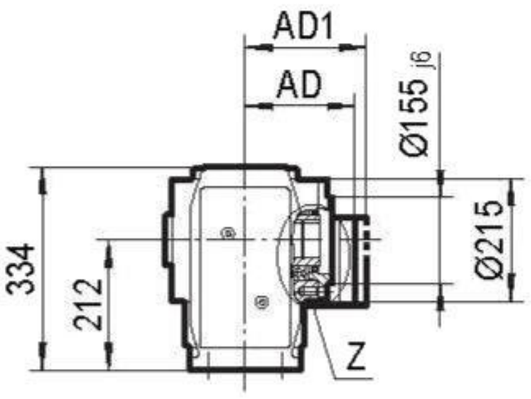

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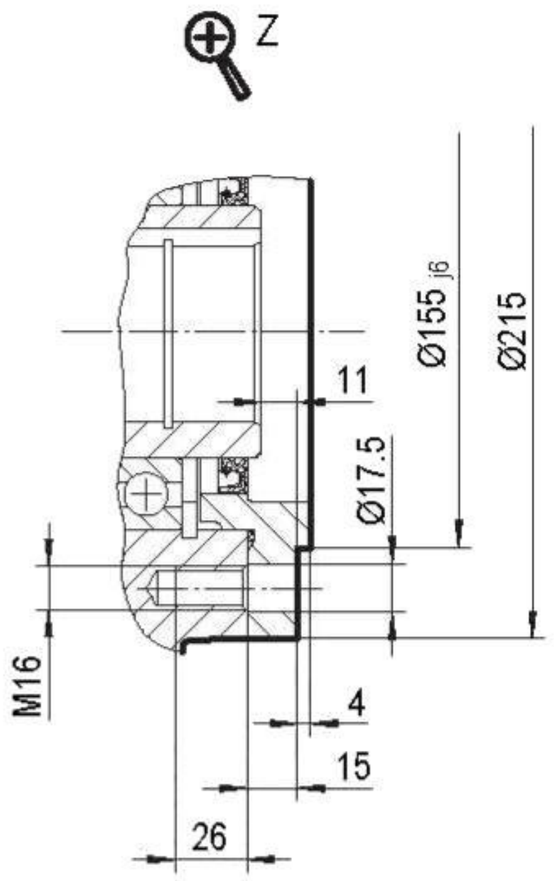



| | MY80.. | MY90.. | MY100M | MY100L | MY112M | MY132S | MY132M | MY132ML | MY160M | MY160L | MY180.. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **AC** | 145 | 197 | 197 | 197 | 221 | 221 | 275 | 275 | 275 | 331 | 331 |
| **AD** | 122 | 154 | 166 | 166 | 179 | 179 | 230 | 230 | 230 | 258 | 258 |
| **AD1** | 127 | 161 | 166 | 166 | 182 | 182 | 230 | 230 | 230 | 258 | 258 |
| **B** | 238 | 257 | 307 | 337 | 340 | 385 | 407 | 467 | 467 | 514 | 586 |
| **B1** | 302 | 342 | 392 | 422 | 420 | 465 | 519 | 579 | 579 | 670 | 742 |
| **L** | 628 | 647 | 697 | 727 | 730 | 775 | 797 | 857 | 857 | 904 | 976 |
| **L1** | 692 | 732 | 782 | 812 | 810 | 855 | 909 | 969 | 969 | 1060 | 1132 |

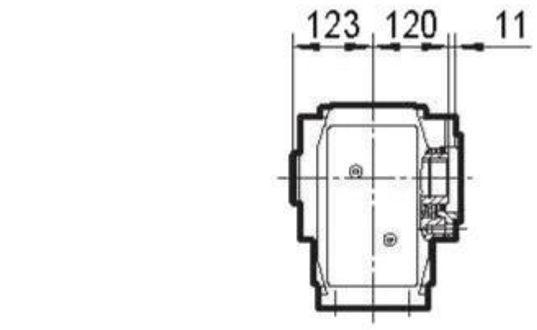
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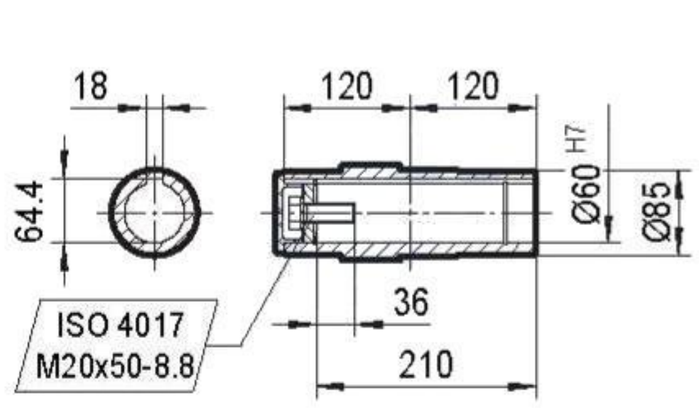


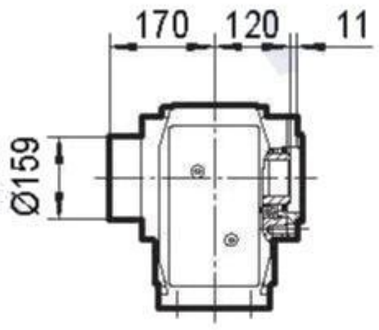



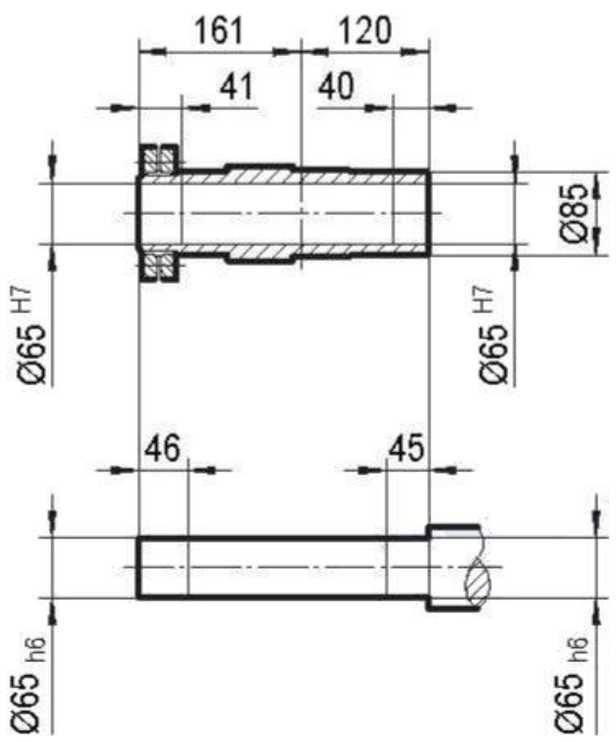

## TKAZ88..



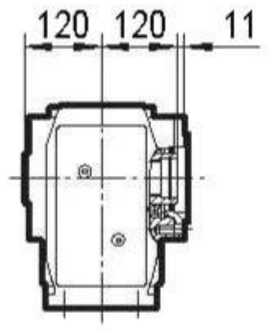



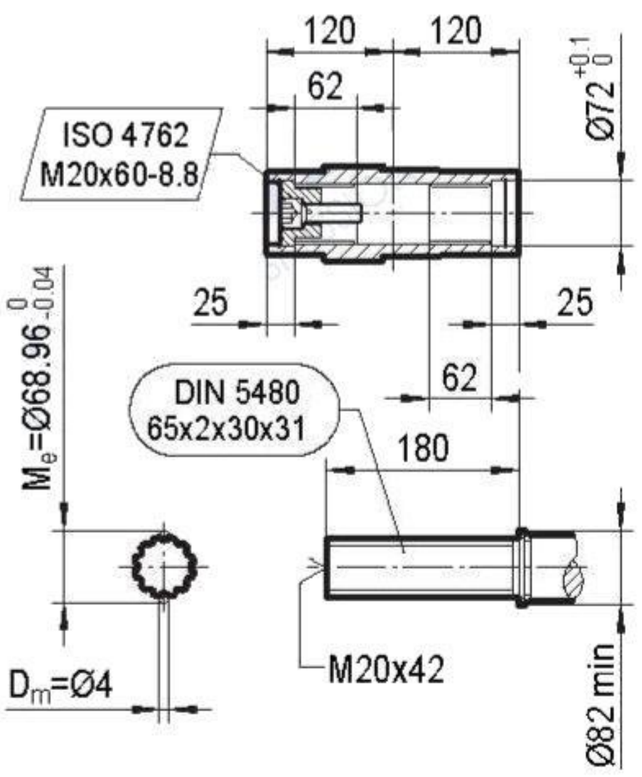

## TKHZ88..



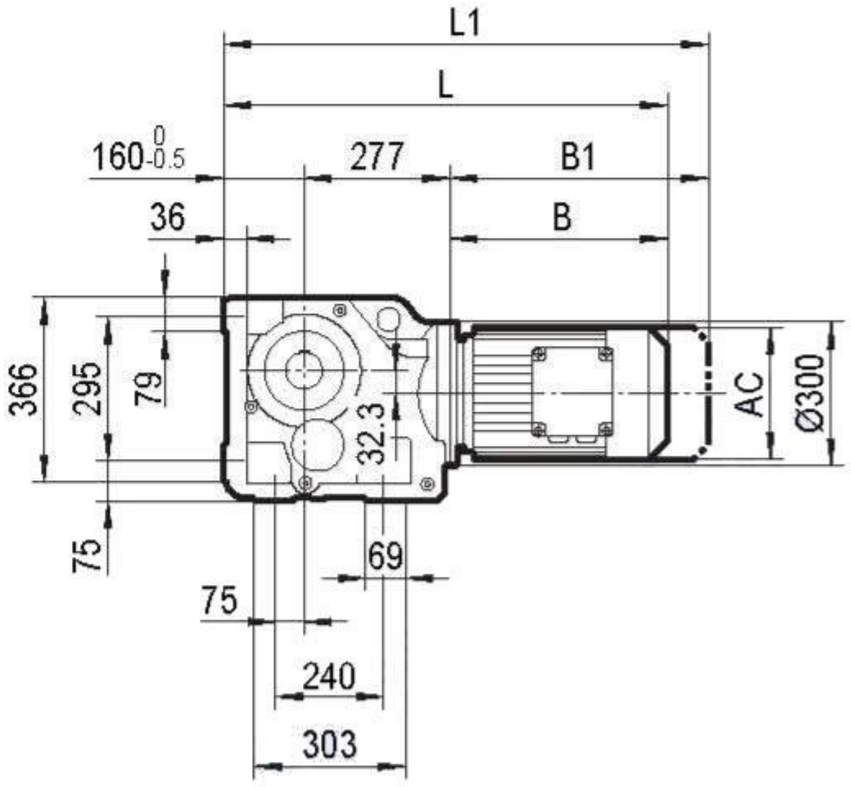

## TKVZ88..



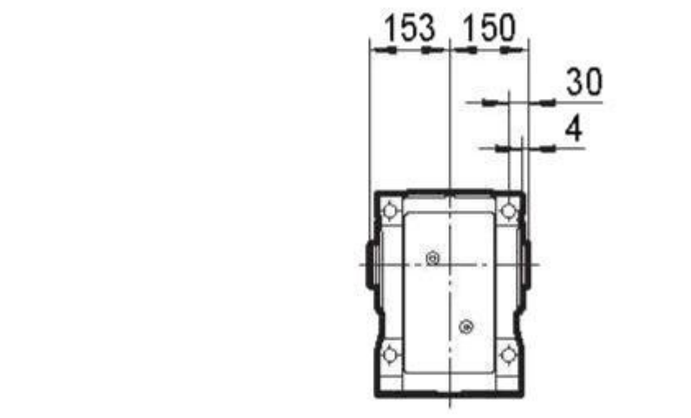




| | MY80.. | MY90.. | MY100M | MY100L | MY112M | MY132S | MY132M | MY132ML | MY160M | MY160L | MY180.. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **AC** | 145 | 197 | 197 | 197 | 221 | 221 | 275 | 275 | 275 | 331 | 331 |
| **AD** | 122 | 154 | 166 | 166 | 179 | 179 | 230 | 230 | 230 | 258 | 258 |
| **AD1** | 127 | 161 | 166 | 166 | 182 | 182 | 230 | 230 | 230 | 258 | 258 |
| **B** | 238 | 257 | 307 | 337 | 340 | 385 | 407 | 467 | 467 | 514 | 586 |
| **B1** | 302 | 342 | 392 | 422 | 420 | 465 | 519 | 579 | 579 | 670 | 742 |
| **L** | 628 | 647 | 697 | 727 | 730 | 775 | 797 | 857 | 857 | 904 | 976 |
| **L1** | 692 | 732 | 782 | 812 | 810 | 855 | 909 | 969 | 969 | 1060 | 1132 |

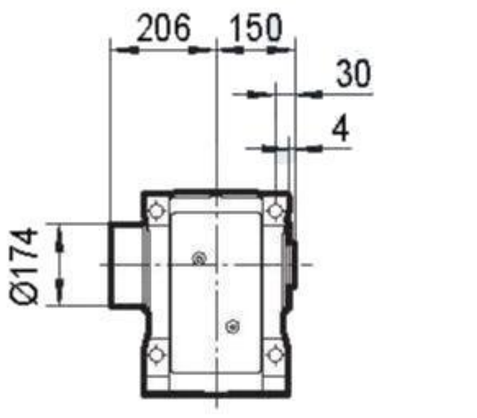
## TK98..



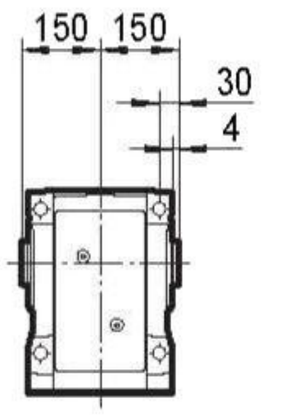

## TKA98B..

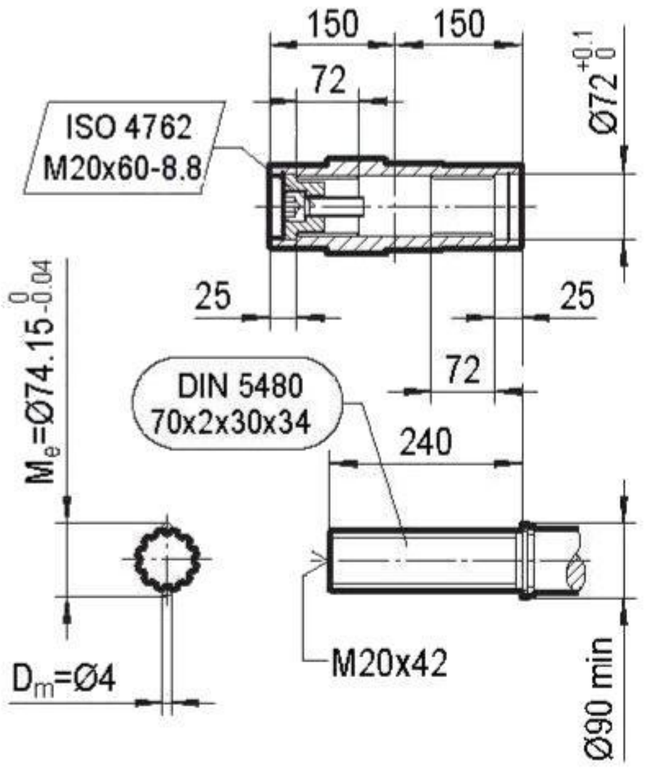



## TKH98B..



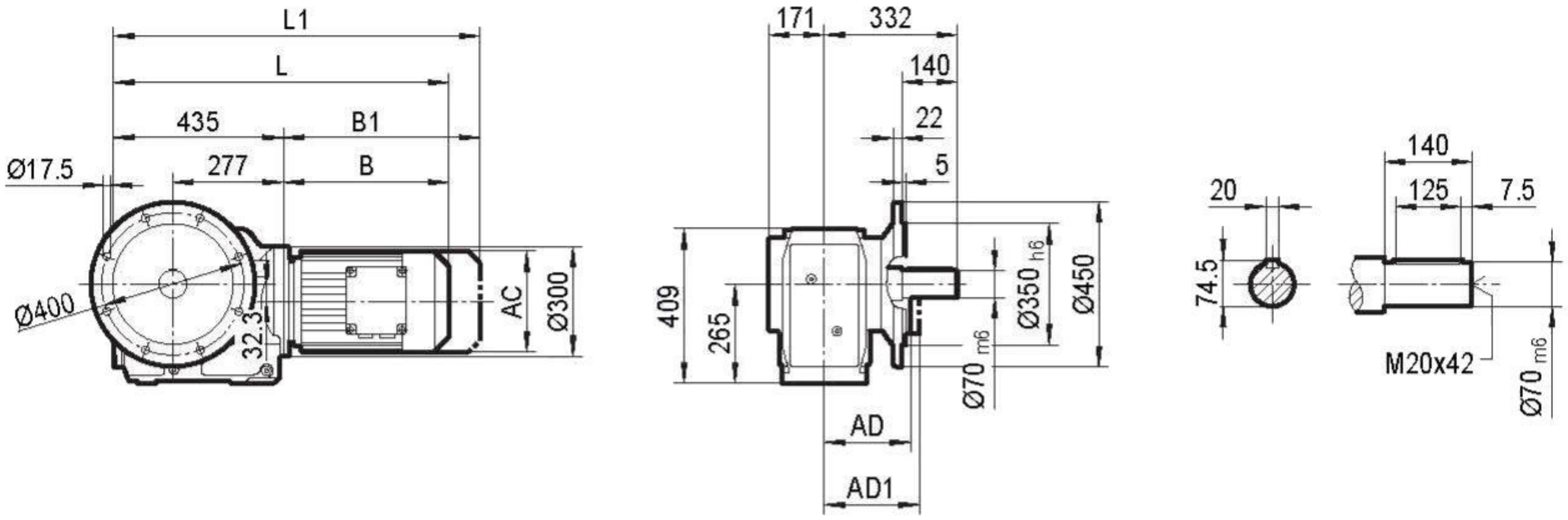

## TKV98B..



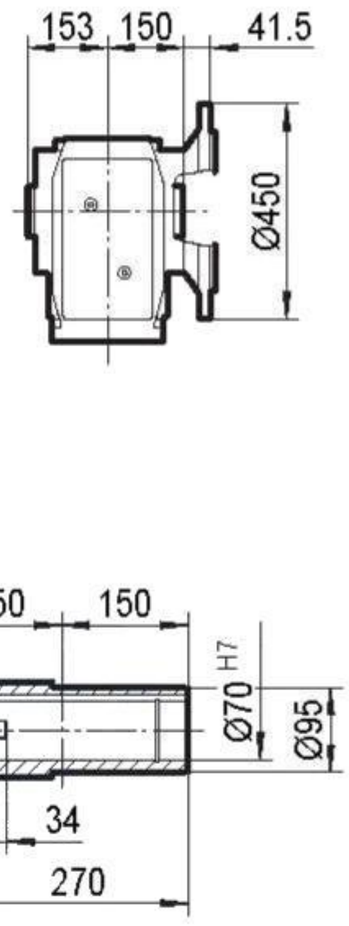




| | MY90.. | MY100M | MY100L | MY112M | MY132S | MY132M | MY132ML | MY160M | MY160L | MY180.. | MY200.. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **AC** | 197 | 197 | 197 | 221 | 221 | 275 | 275 | 275 | 331 | 331 | 394 |
| **AD** | 154 | 166 | 166 | 179 | 179 | 230 | 230 | 230 | 258 | 258 | 285 |
| **AD1** | 161 | 166 | 166 | 182 | 182 | 230 | 230 | 230 | 258 | 258 | 285 |
| **B** | 251 | 301 | 331 | 335 | 380 | 402 | 462 | 462 | 509 | 581 | 629 |
| **B1** | 336 | 386 | 416 | 415 | 460 | 514 | 574 | 574 | 665 | 737 | 785 |
| **L** | 688 | 738 | 768 | 772 | 817 | 839 | 899 | 899 | 946 | 1018 | 1066 |
| **L1** | 773 | 823 | 853 | 852 | 897 | 951 | 1011 | 1011 | 1102 | 1174 | 1222 |

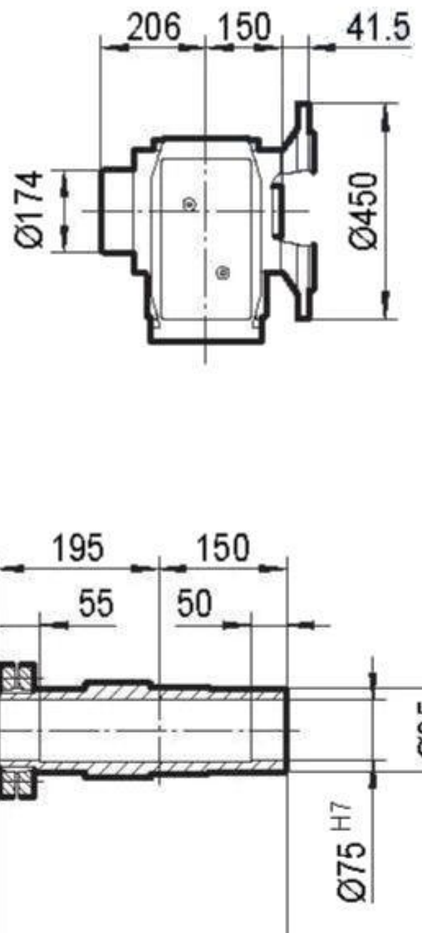
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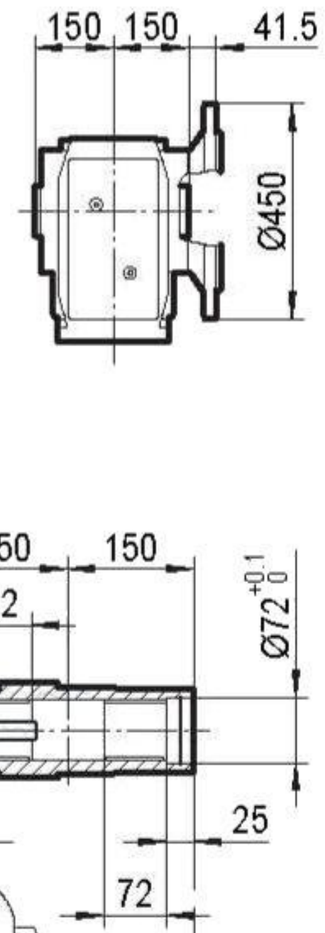

## TKAF98..




## TKHF98..

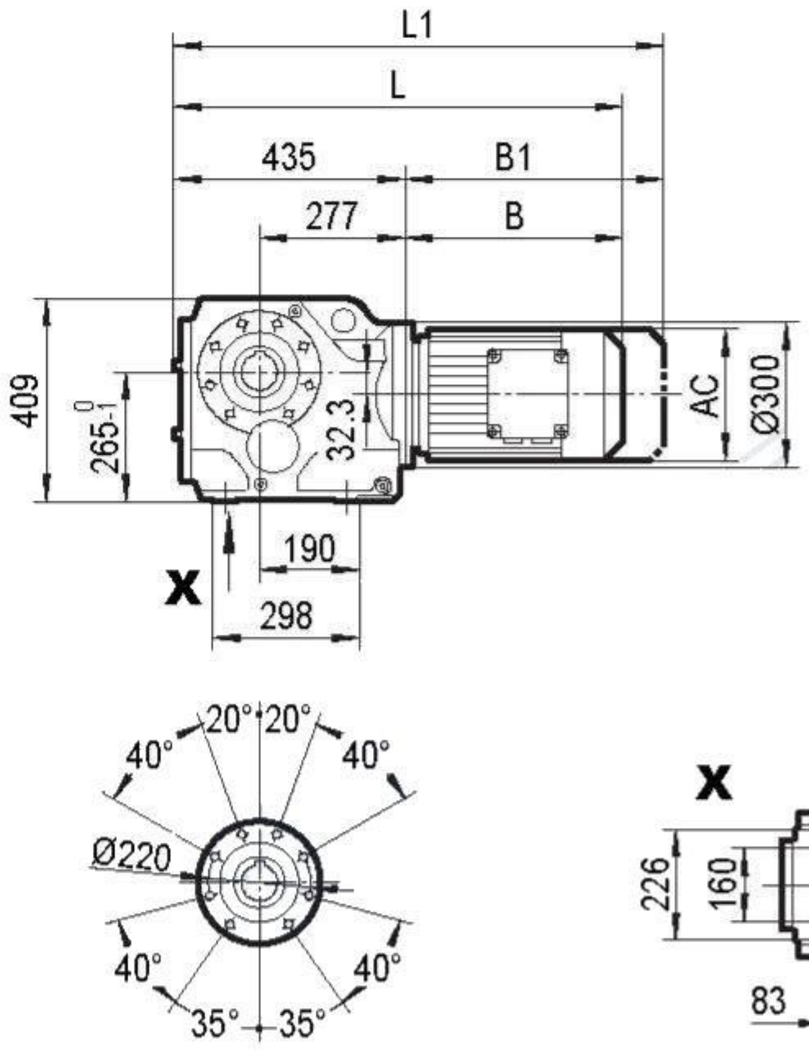


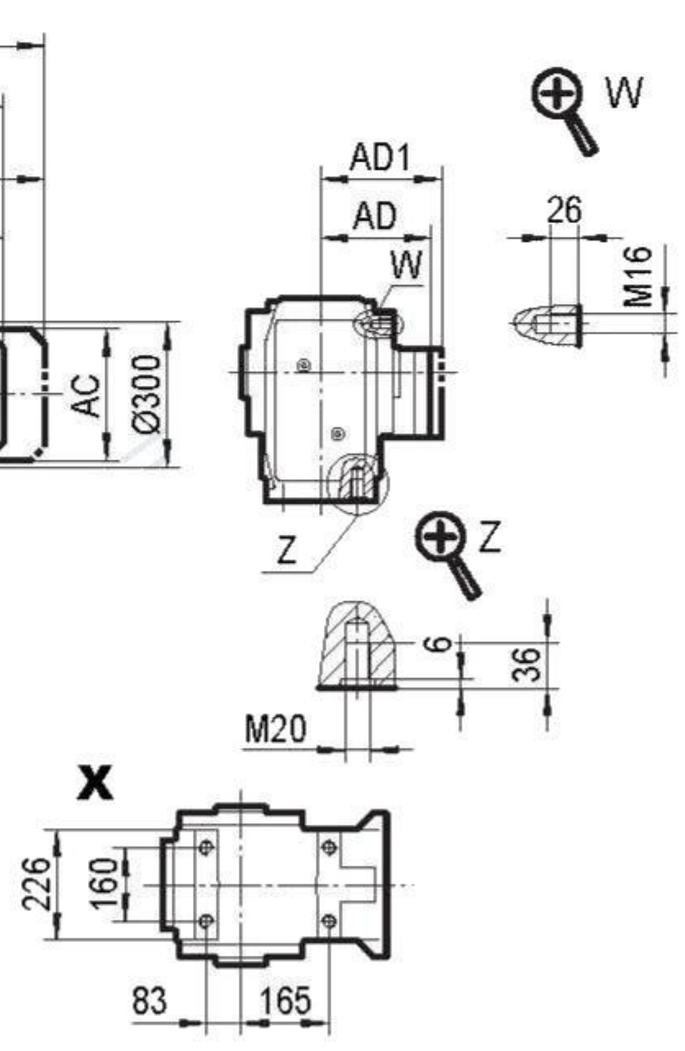

## TKVF98..

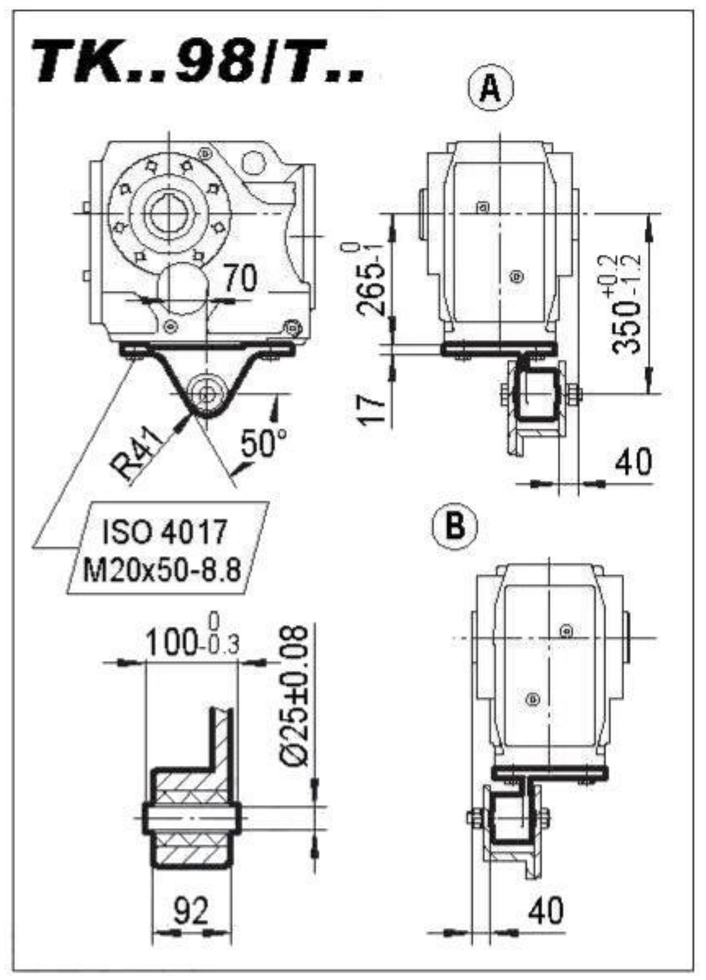



| | MY90.. | MY100M | MY100L | MY112M | MY132S | MY132M | MY132ML | MY160M | MY160L | MY180.. | MY200.. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **AC** | 197 | 197 | 197 | 221 | 221 | 275 | 275 | 275 | 331 | 331 | 394 |
| **AD** | 154 | 166 | 166 | 179 | 179 | 230 | 230 | 230 | 258 | 258 | 285 |
| **AD1** | 161 | 166 | 166 | 182 | 182 | 230 | 230 | 230 | 258 | 258 | 285 |
| **B** | 251 | 301 | 331 | 335 | 380 | 402 | 462 | 462 | 509 | 581 | 629 |
| **B1** | 336 | 386 | 416 | 415 | 460 | 514 | 574 | 574 | 665 | 737 | 785 |
| **L** | 686 | 736 | 766 | 770 | 815 | 837 | 897 | 897 | 944 | 1016 | 1064 |
| **L1** | 771 | 821 | 851 | 850 | 895 | 949 | 1009 | 1009 | 1100 | 1172 | 1220 |

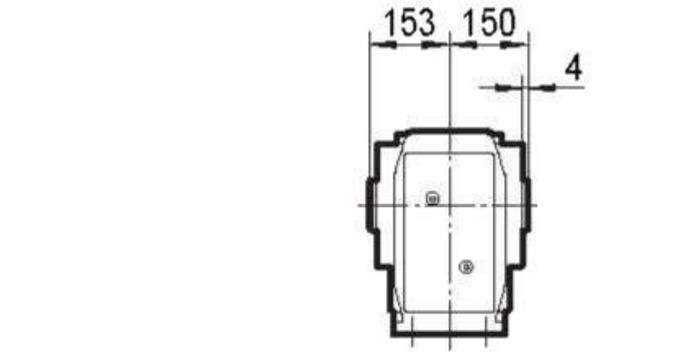
## TKA98..

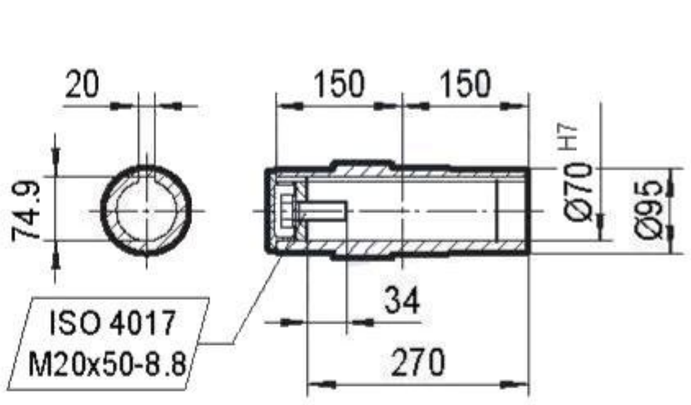


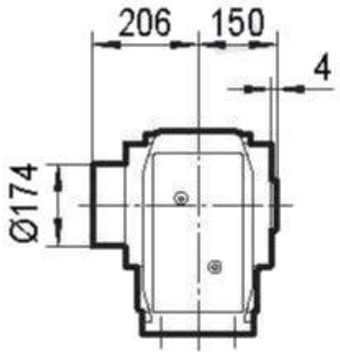



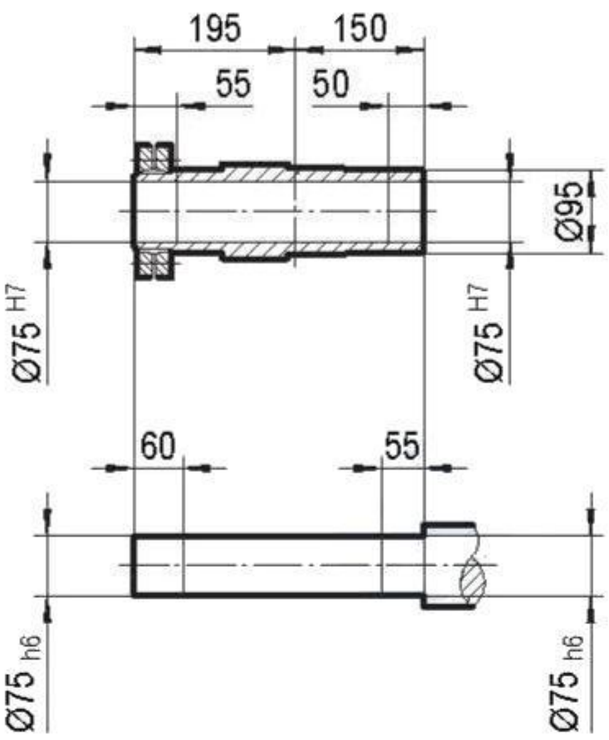

## TKA98..



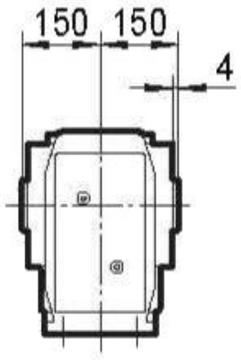



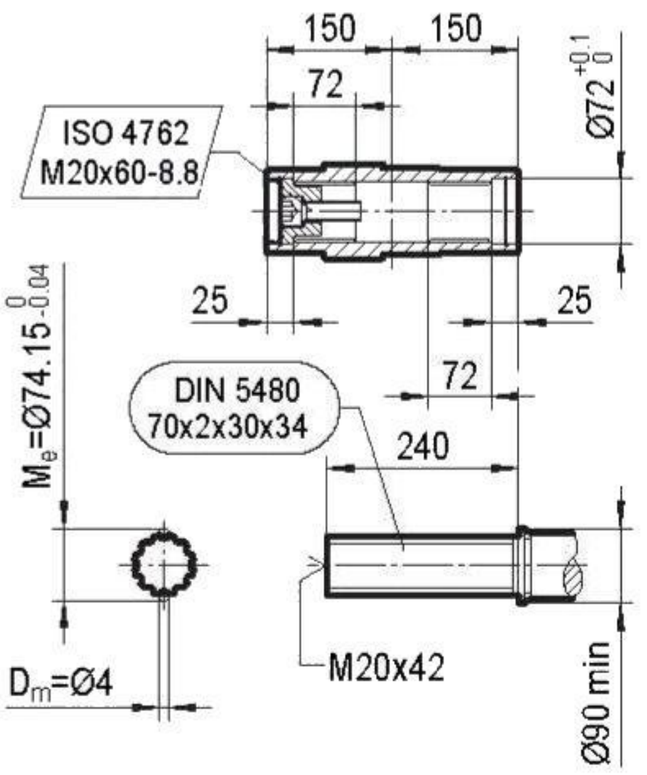

## TKH98..



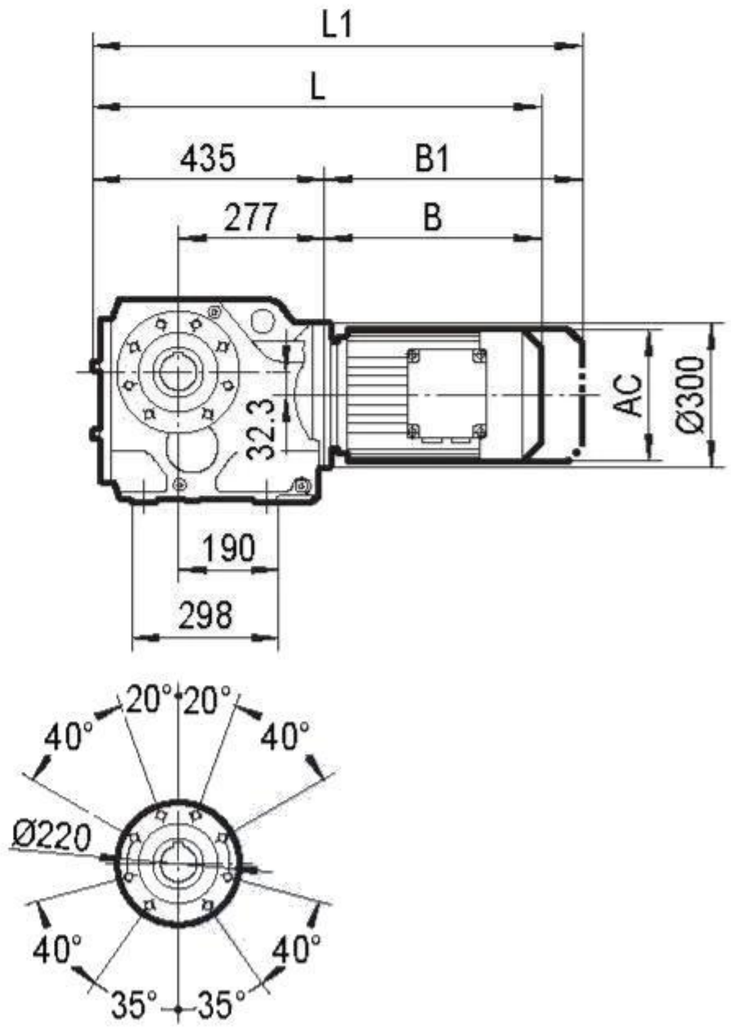

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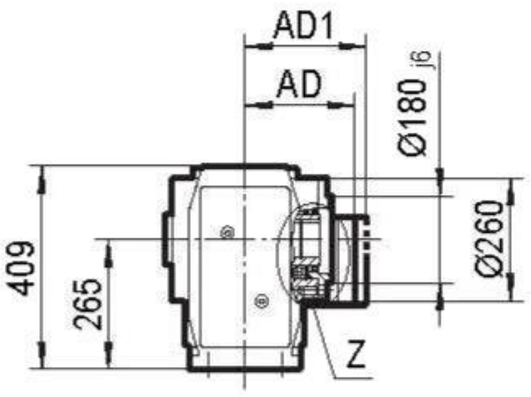


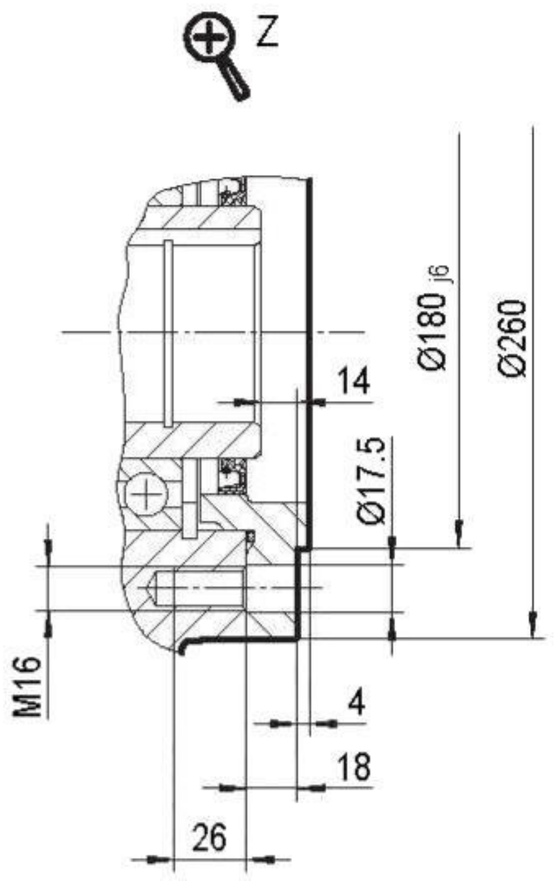




| | MY90.. | MY100M | MY100L | MY112M | MY132S | MY132M | MY132ML | MY160M | MY160L | MY180.. | MY200.. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| AC | 197 | 197 | 197 | 221 | 221 | 275 | 275 | 275 | 331 | 331 | 394 |
| AD | 154 | 166 | 166 | 179 | 179 | 230 | 230 | 230 | 258 | 258 | 285 |
| AD1 | 161 | 166 | 166 | 182 | 182 | 230 | 230 | 230 | 258 | 258 | 285 |
| B | 251 | 301 | 331 | 335 | 380 | 402 | 462 | 462 | 509 | 581 | 629 |
| B1 | 336 | 386 | 416 | 415 | 460 | 514 | 574 | 574 | 665 | 737 | 785 |
| L | 686 | 736 | 766 | 770 | 815 | 837 | 897 | 897 | 944 | 1016 | 1064 |
| L1 | 771 | 821 | 851 | 850 | 895 | 949 | 1009 | 1009 | 1100 | 1172 | 1220 |

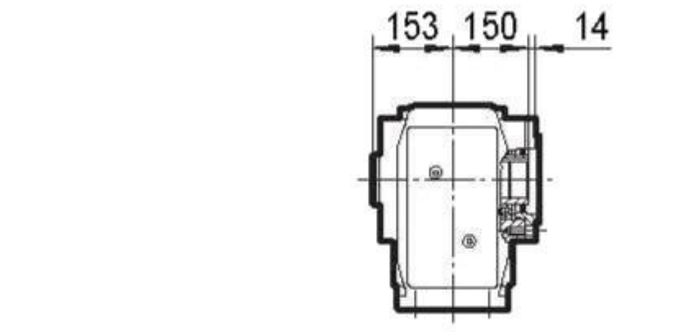
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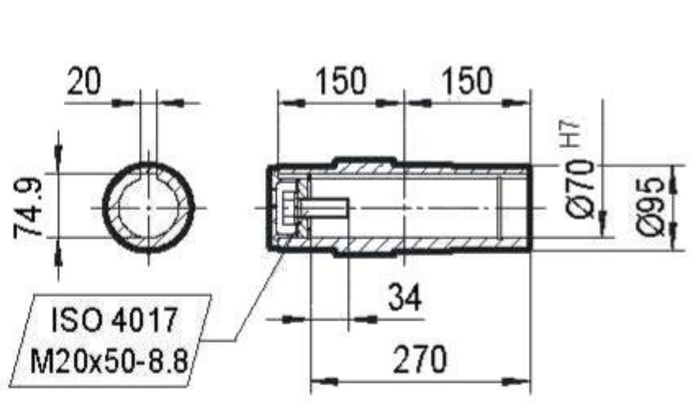


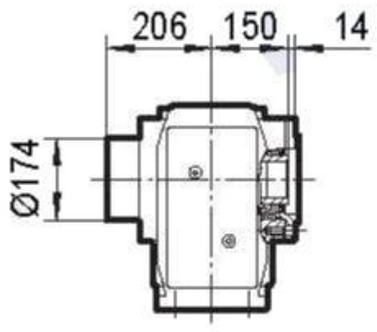



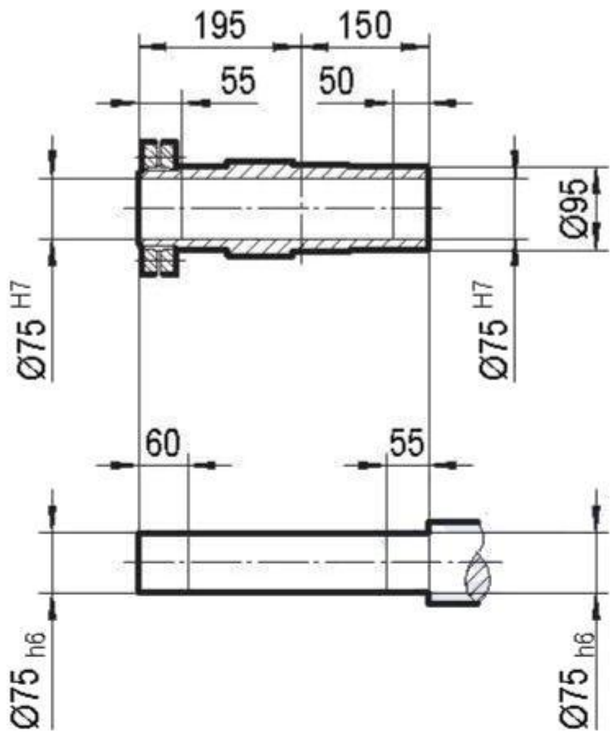

## TKAZ98..



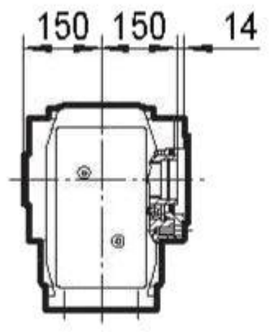



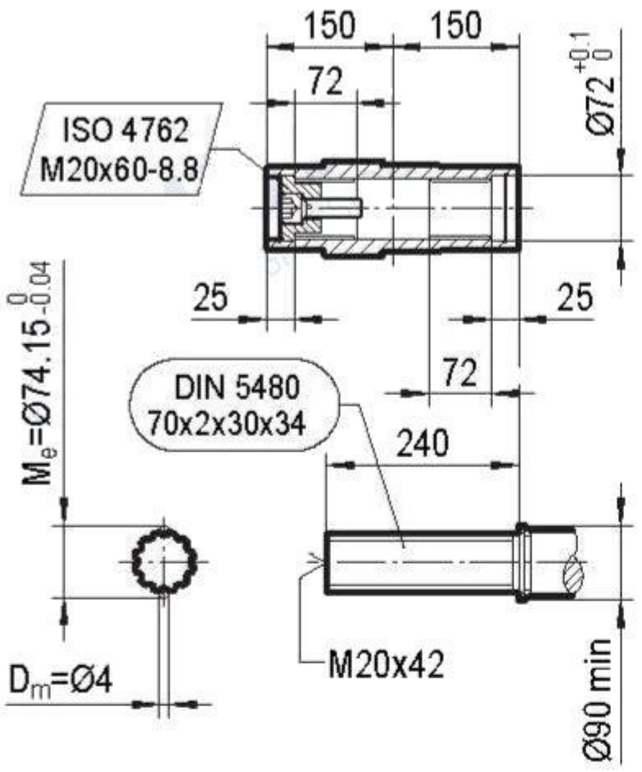

## TKHZ98..



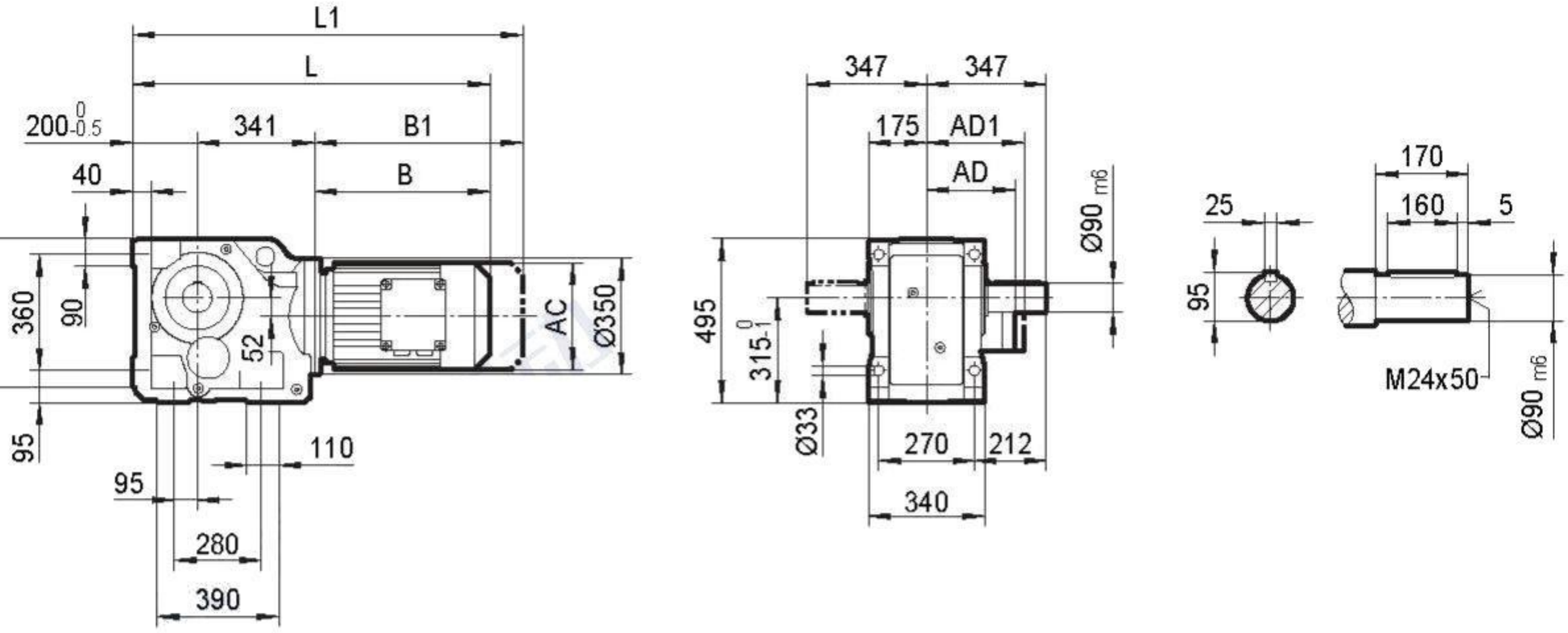

## TKVZ98..



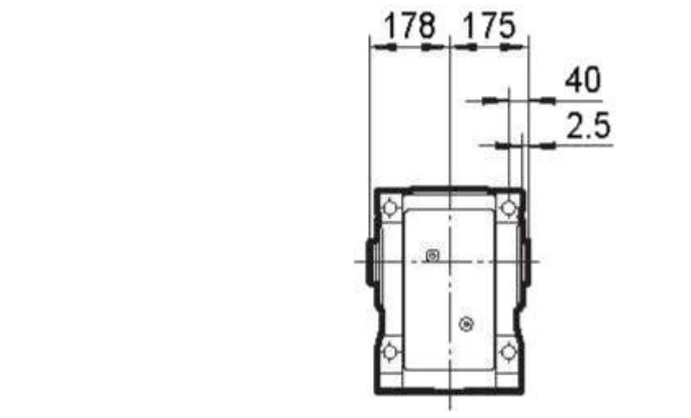




| | MY90.. | MY100M | MY100L | MY112M | MY132S | MY132M | MY132ML | MY160M | MY160L | MY180.. | MY200.. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **AC** | 197 | 197 | 197 | 221 | 221 | 275 | 275 | 275 | 331 | 331 | 394 |
| **AD** | 154 | 166 | 166 | 179 | 179 | 230 | 230 | 230 | 258 | 258 | 285 |
| **AD1** | 161 | 166 | 166 | 182 | 182 | 230 | 230 | 230 | 258 | 258 | 285 |
| **B** | 251 | 301 | 331 | 335 | 380 | 402 | 462 | 462 | 509 | 581 | 629 |
| **B1** | 336 | 386 | 416 | 415 | 460 | 514 | 574 | 574 | 665 | 737 | 785 |
| **L** | 686 | 736 | 766 | 770 | 815 | 837 | 897 | 897 | 944 | 1016 | 1064 |
| **L1** | 771 | 821 | 851 | 850 | 895 | 949 | 1009 | 1009 | 1100 | 1172 | 1220 |

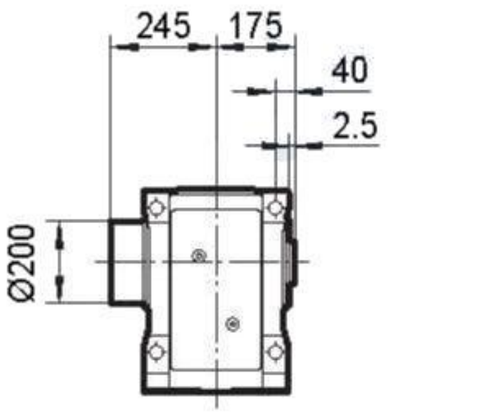
## TK108..



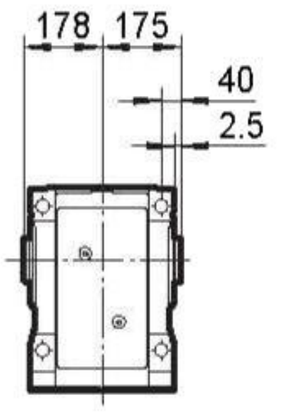

## TKA108B..




## TKH108B..

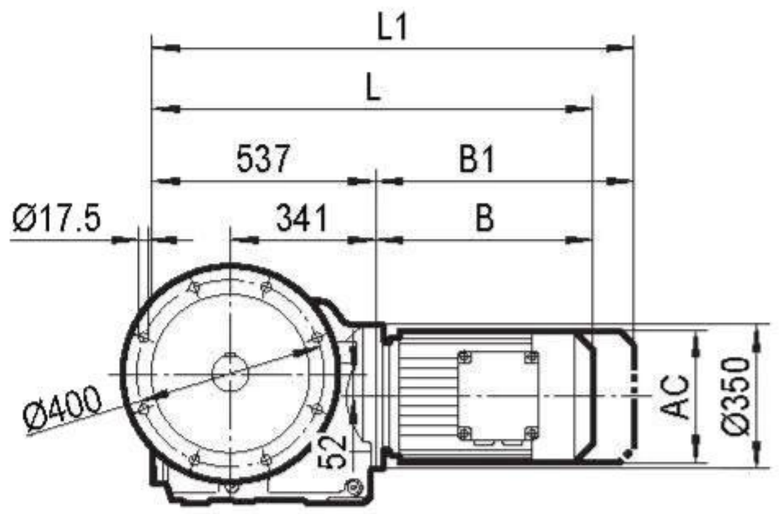


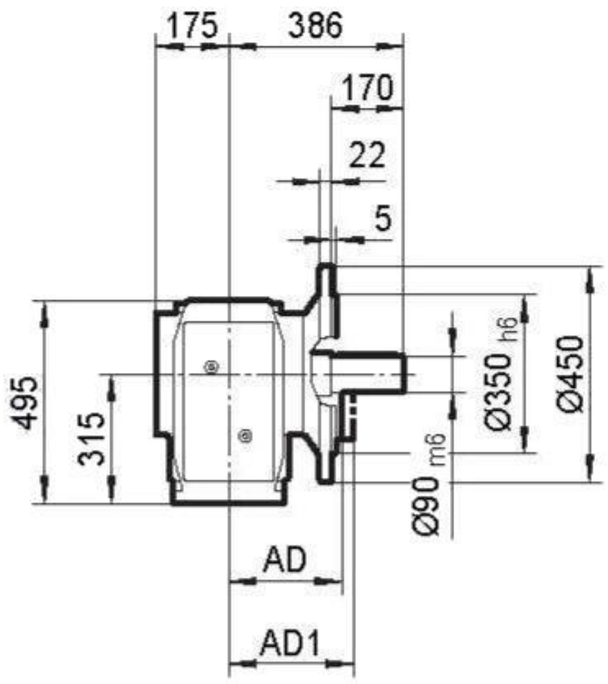

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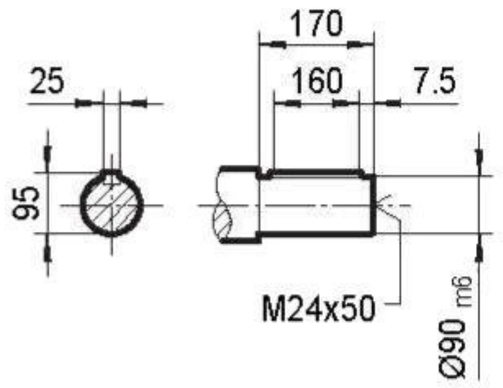



| | MY100L | MY112M | MY132S | MY132M | MY132ML | MY160M | MY160L | MY180.. | MY200.. | MY225.. | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **AC** | 197 | 221 | 221 | 275 | 275 | 275 | 331 | 331 | 394 | 394 | |
| **AD** | 166 | 179 | 179 | 230 | 230 | 230 | 258 | 258 | 285 | 289 | |
| **AD1** | 166 | 182 | 182 | 230 | 230 | 230 | 258 | 258 | 285 | 289 | |
| **B** | 325 | 329 | 374 | 396 | 456 | 456 | 503 | 575 | 623 | 705 | |
| **B1** | 410 | 409 | 454 | 508 | 568 | 568 | 659 | 731 | 779 | 861 | |
| **L** | 866 | 870 | 915 | 937 | 997 | 997 | 1044 | 1116 | 1164 | 1246 | |
| **L1** | 951 | 950 | 995 | 1049 | 1109 | 1109 | 1200 | 1272 | 1320 | 1402 | |

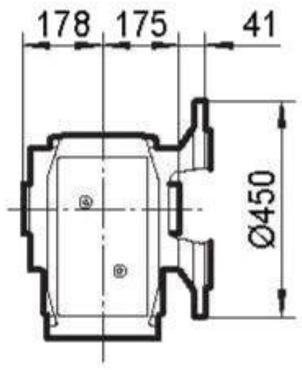
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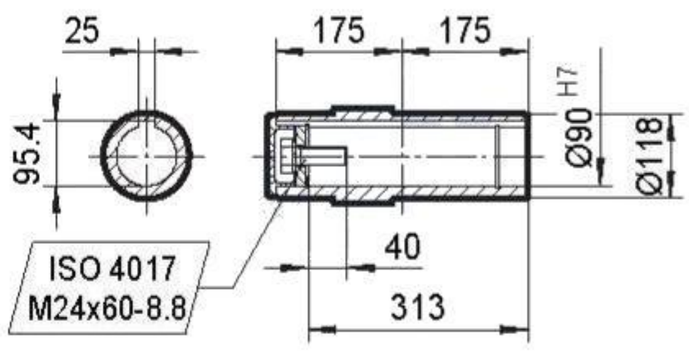


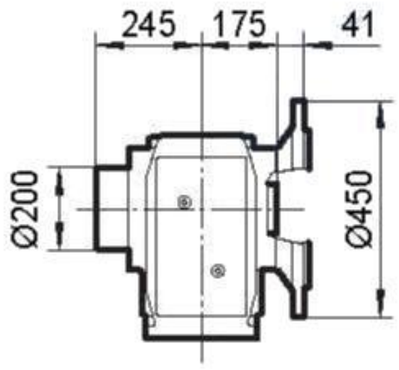



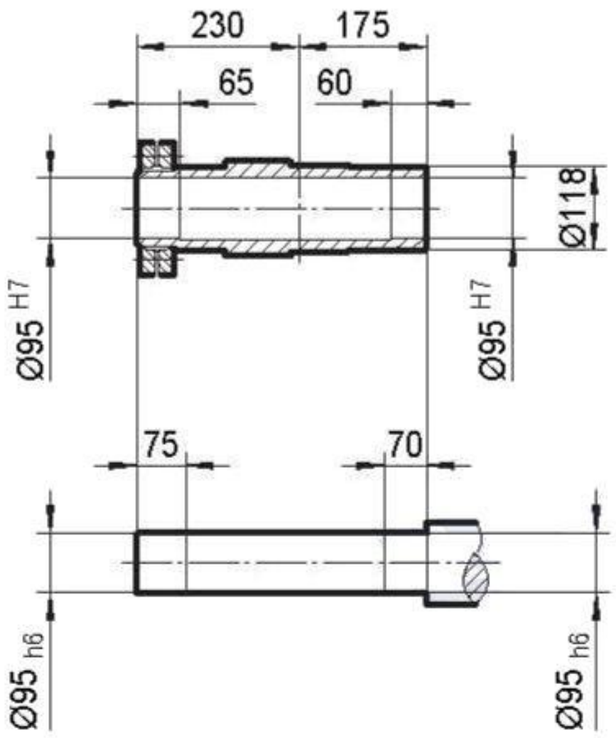

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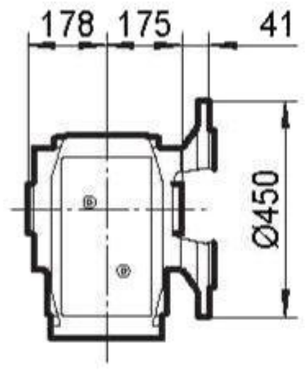



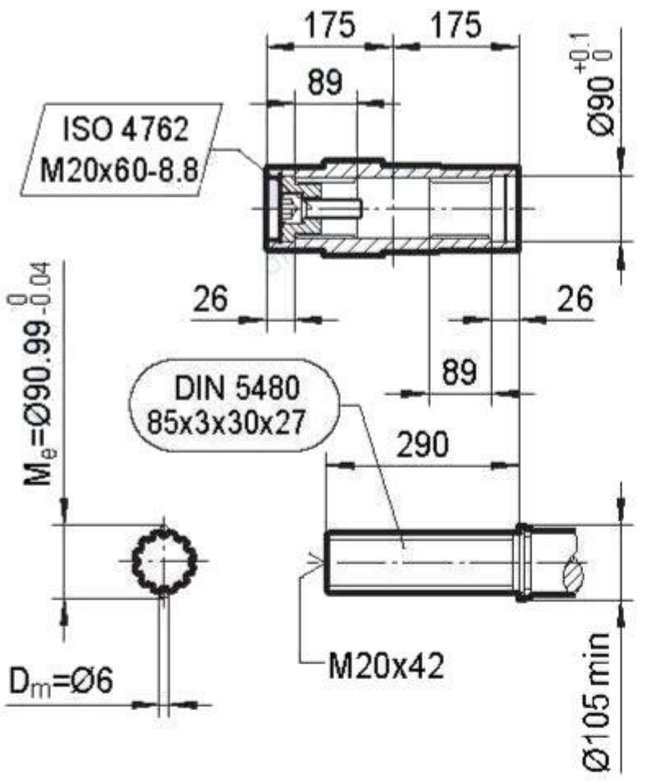

## TKHF108..



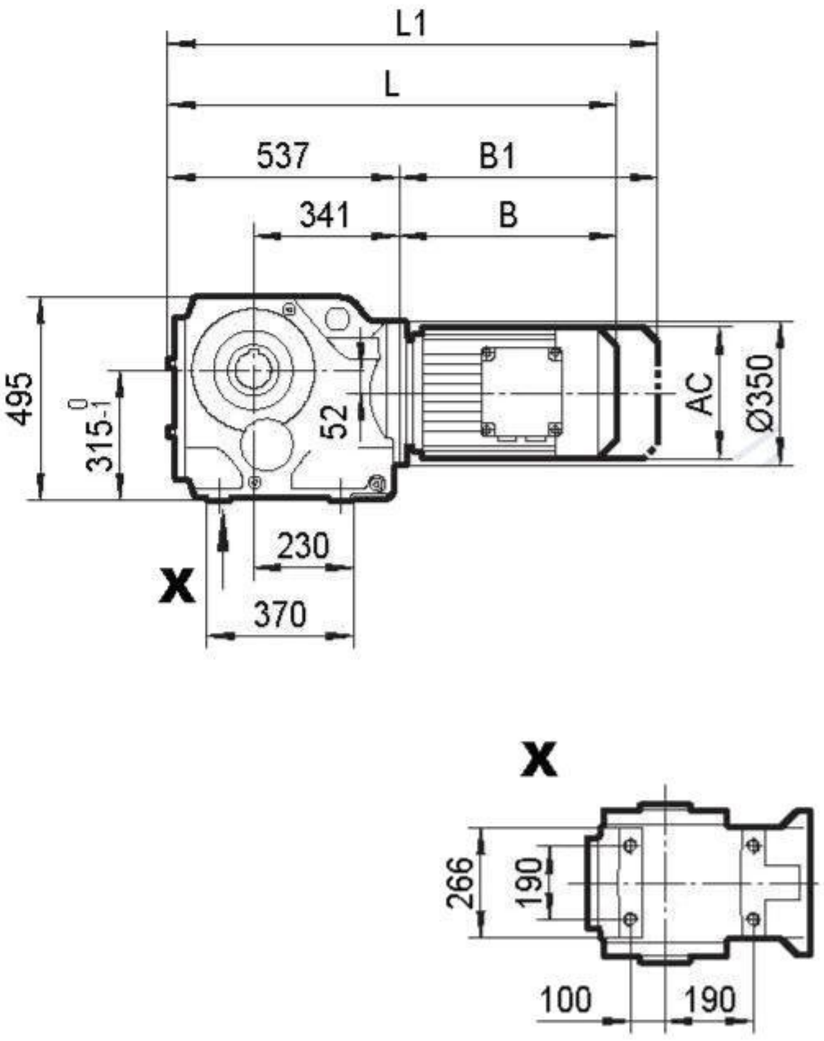

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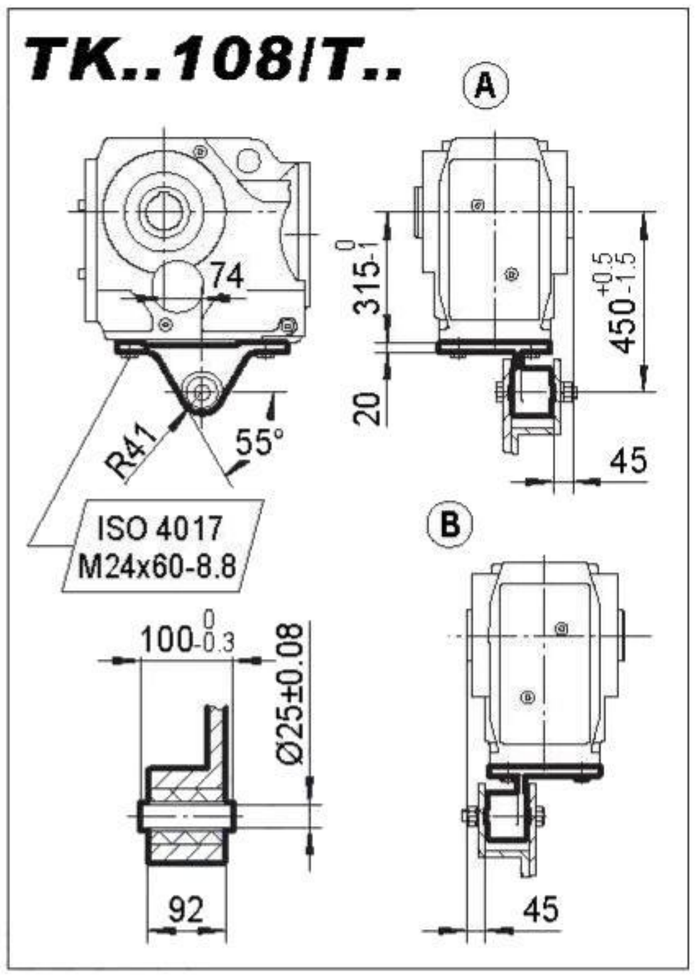


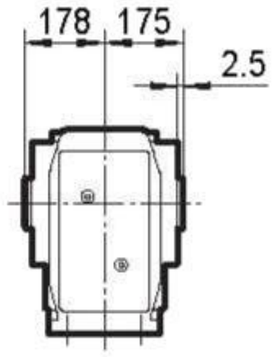

| | MY100L | MY112M | MY132S | MY132M | MY132ML | MY160M | MY160L | MY180.. | MY200.. | MY225.. | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **AC** | 197 | 221 | 221 | 275 | 275 | 275 | 331 | 331 | 394 | 394 | |
| **AD** | 166 | 179 | 179 | 230 | 230 | 230 | 258 | 258 | 285 | 289 | |
| **AD1** | 166 | 182 | 182 | 230 | 230 | 230 | 258 | 258 | 285 | 289 | |
| **B** | 325 | 329 | 374 | 396 | 456 | 456 | 503 | 575 | 623 | 705 | |
| **B1** | 410 | 409 | 454 | 508 | 568 | 568 | 659 | 731 | 779 | 861 | |
| **L** | 862 | 866 | 911 | 933 | 993 | 993 | 1040 | 1112 | 1160 | 1242 | |
| **L1** | 947 | 946 | 991 | 1045 | 1105 | 1105 | 1196 | 1268 | 1316 | 1398 | |

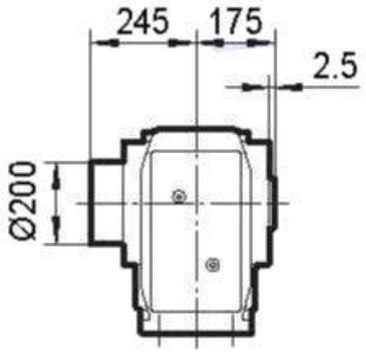
## TKA108..

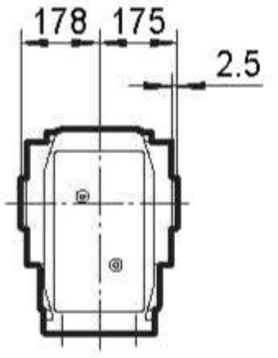


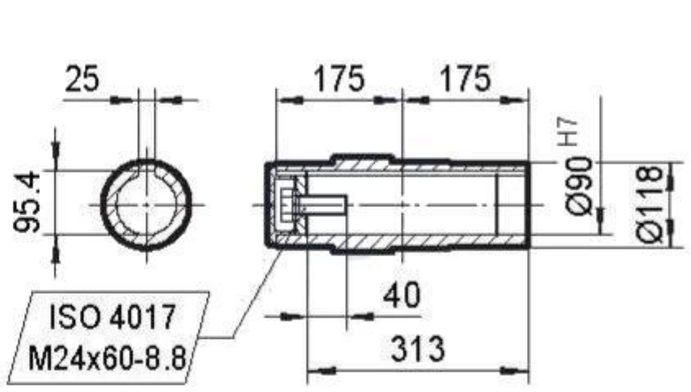



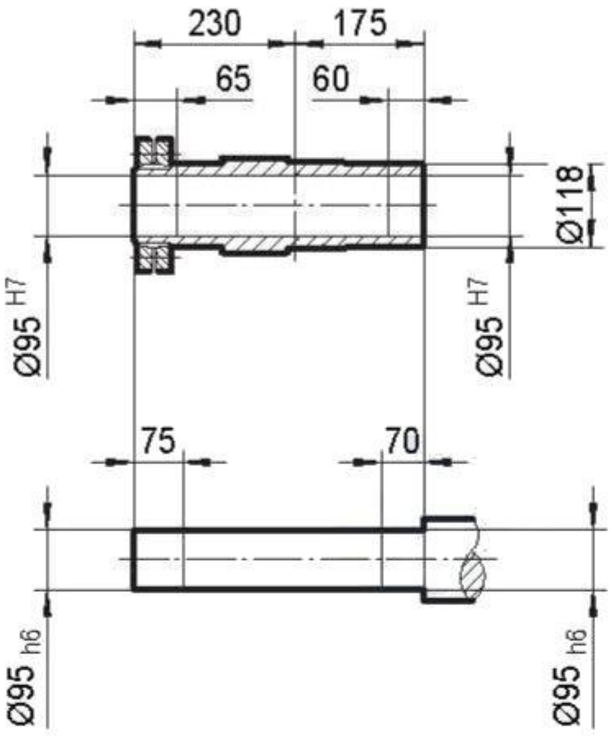

**TKA108..** **TKH108..** **TKV108..**

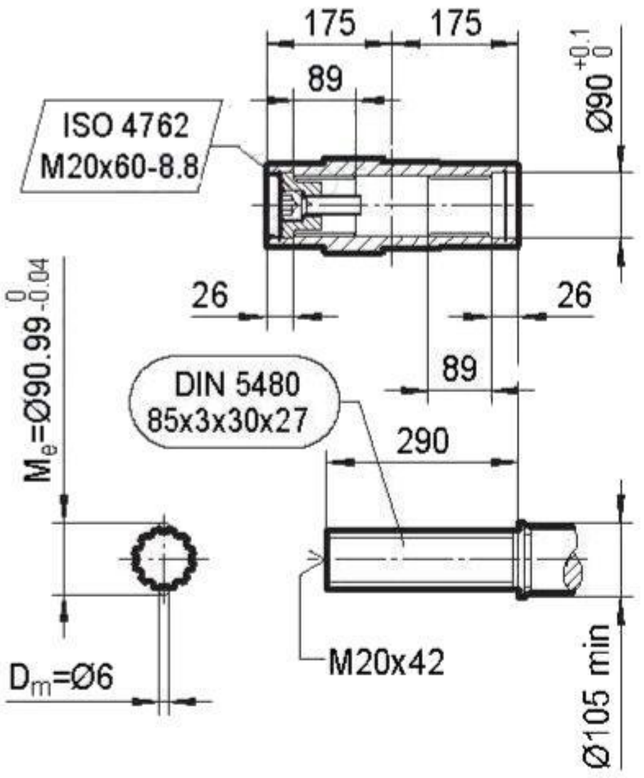


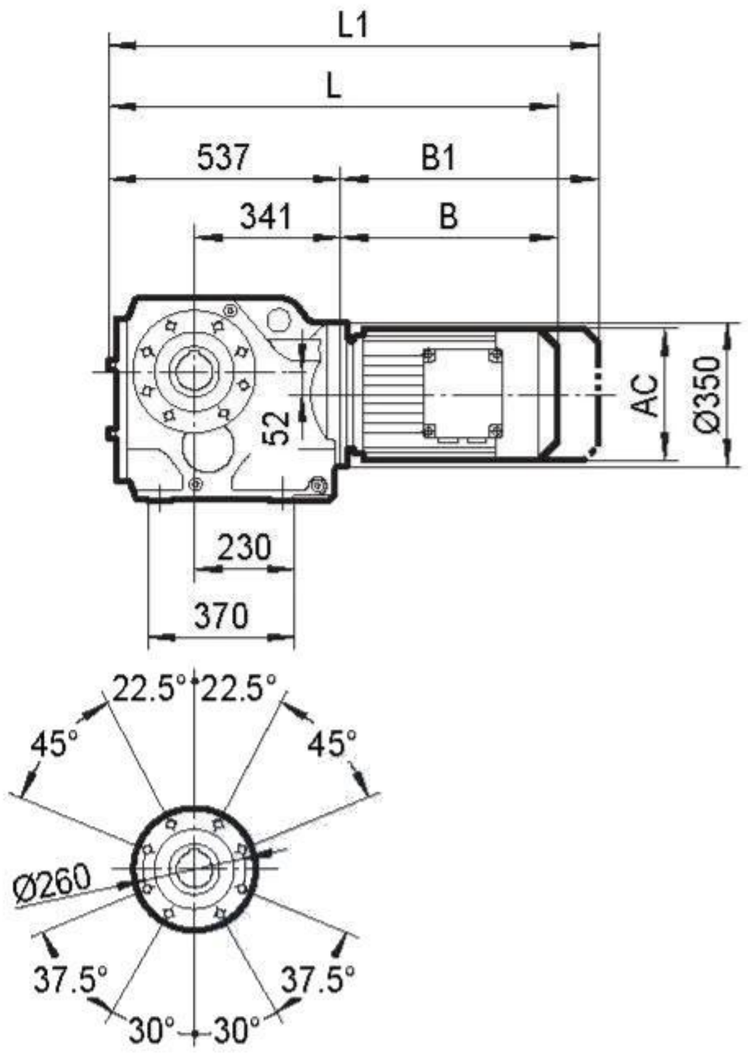



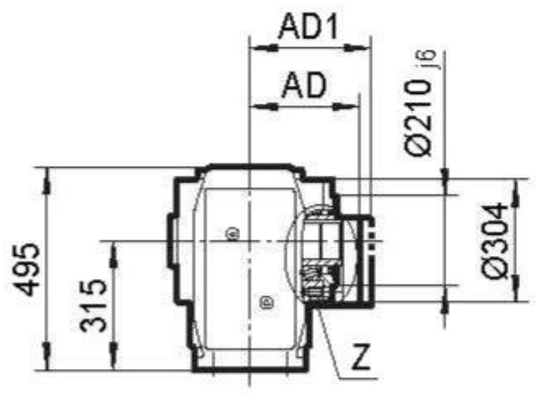



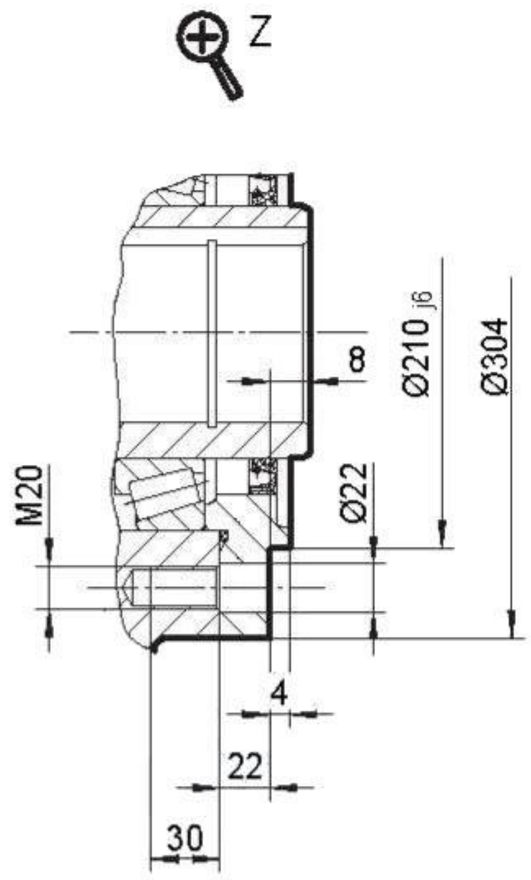




| | MY100L | MY112M | MY132S | MY132M | MY132ML | MY160M | MY160L | MY180.. | MY200.. | MY225.. | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **AC** | 197 | 221 | 221 | 275 | 275 | 275 | 331 | 331 | 394 | 394 | |
| **AD** | 166 | 179 | 179 | 230 | 230 | 230 | 258 | 258 | 285 | 289 | |
| **AD1** | 166 | 182 | 182 | 230 | 230 | 230 | 258 | 258 | 285 | 289 | |
| **B** | 325 | 329 | 374 | 396 | 456 | 456 | 503 | 575 | 623 | 705 | |
| **B1** | 410 | 409 | 454 | 508 | 568 | 568 | 659 | 731 | 779 | 861 | |
| **L** | 862 | 866 | 911 | 933 | 993 | 993 | 1040 | 1112 | 1160 | 1242 | |
| **L1** | 947 | 946 | 991 | 1045 | 1105 | 1105 | 1196 | 1268 | 1316 | 1398 | |

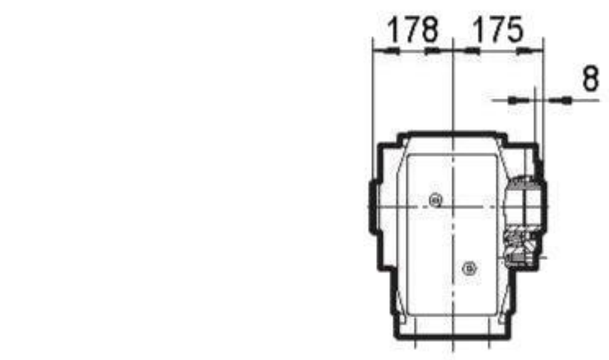
## TKAZ108..

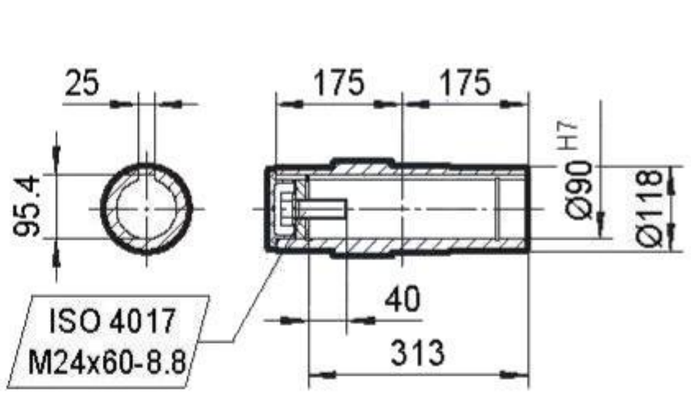


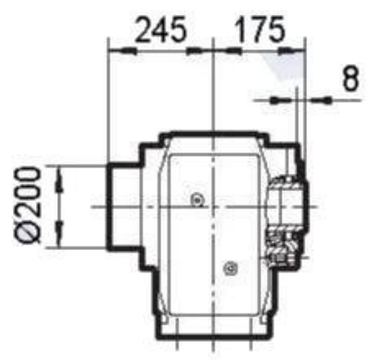



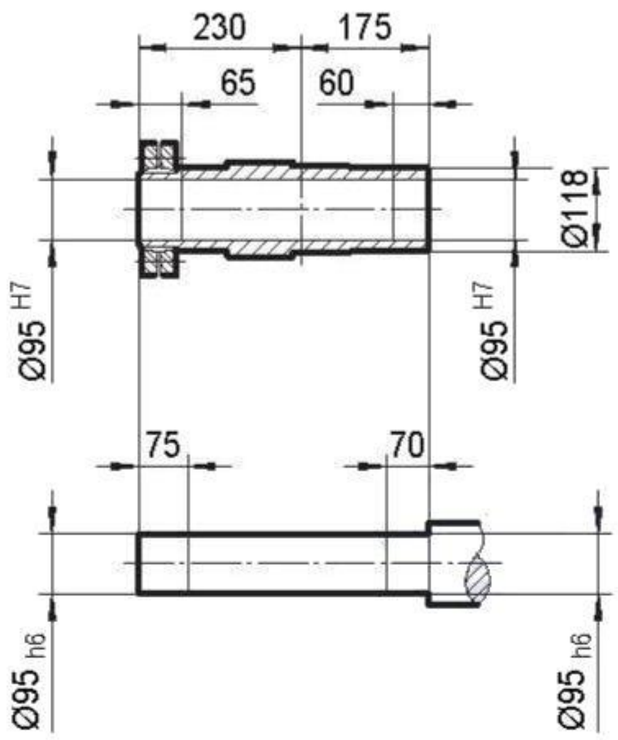

## TKAZ108..



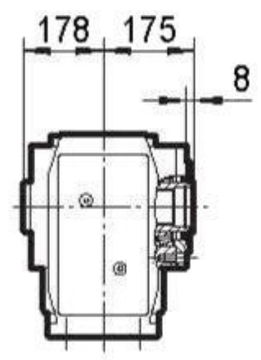



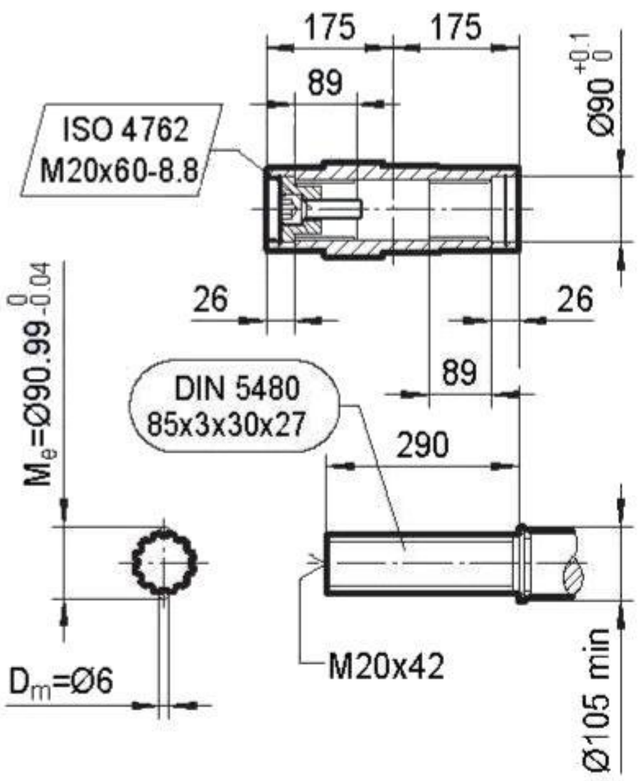

## TKHZ108..



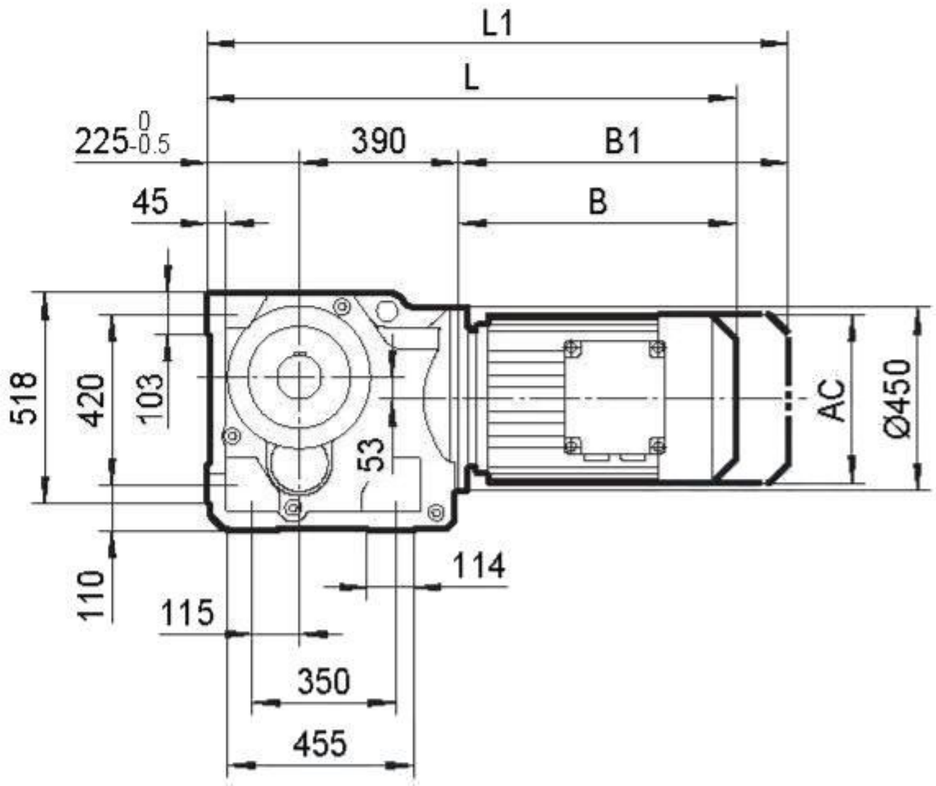

## TKVZ108..

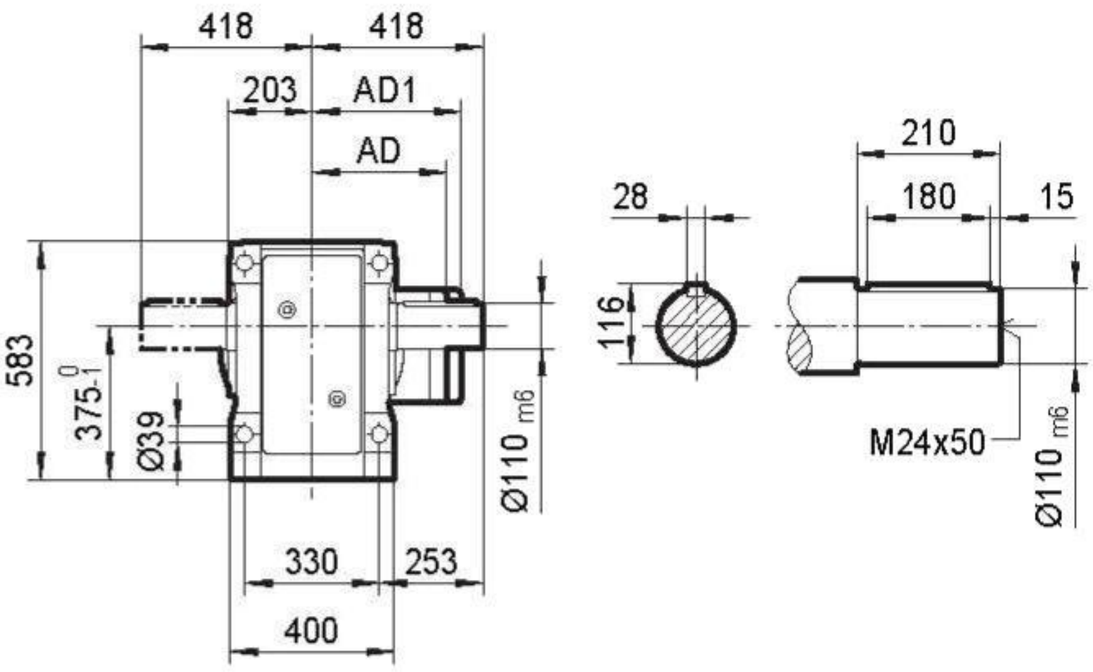



| | MY100L | MY112M | MY132S | MY132M | MY132ML | MY160M | MY160L | MY180.. | MY200.. | MY225.. | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **AC** | 197 | 221 | 221 | 275 | 275 | 275 | 331 | 331 | 394 | 394 | |
| **AD** | 166 | 179 | 179 | 230 | 230 | 230 | 258 | 258 | 285 | 289 | |
| **AD1** | 166 | 182 | 182 | 230 | 230 | 230 | 258 | 258 | 285 | 289 | |
| **B** | 325 | 329 | 374 | 396 | 456 | 456 | 503 | 575 | 623 | 705 | |
| **B1** | 410 | 409 | 454 | 508 | 568 | 568 | 659 | 731 | 779 | 861 | |
| **L** | 862 | 866 | 911 | 933 | 993 | 993 | 1040 | 1112 | 1160 | 1242 | |
| **L1** | 947 | 946 | 991 | 1045 | 1105 | 1105 | 1196 | 1268 | 1316 | 1398 | |

## TK128..

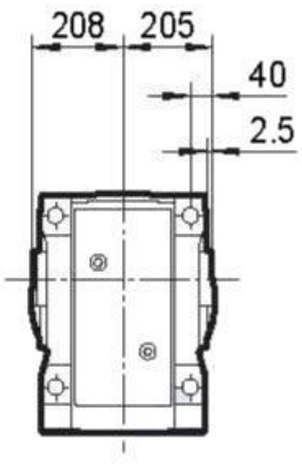


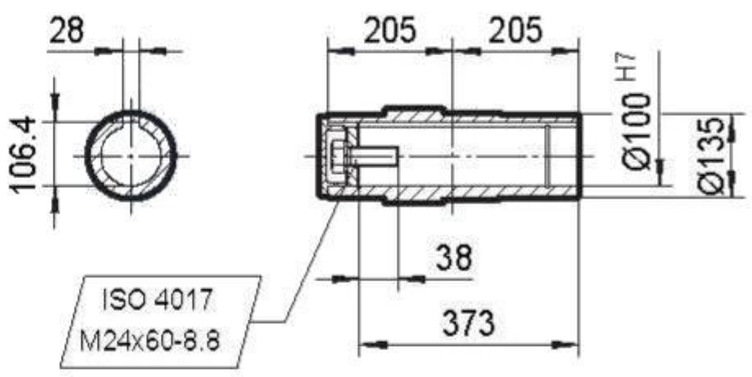





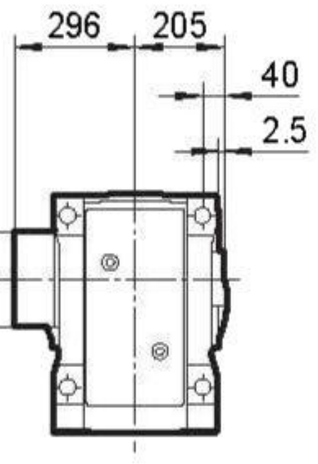


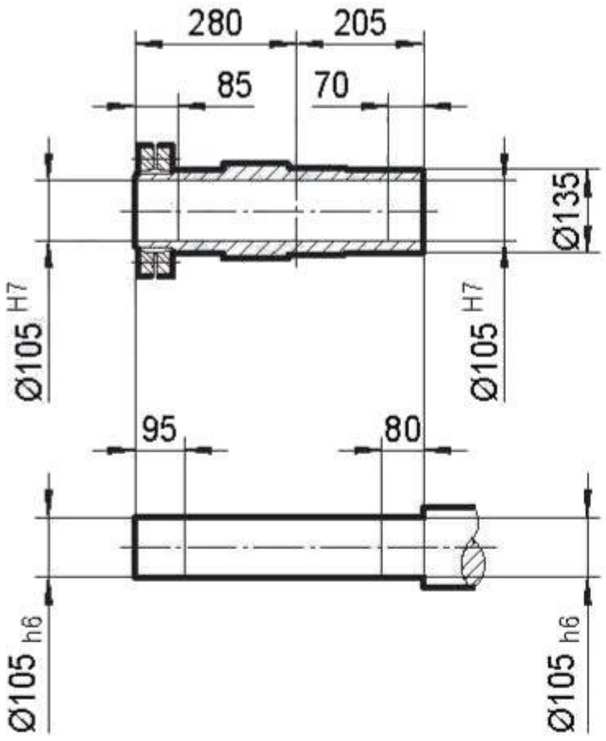
## TKA128B..



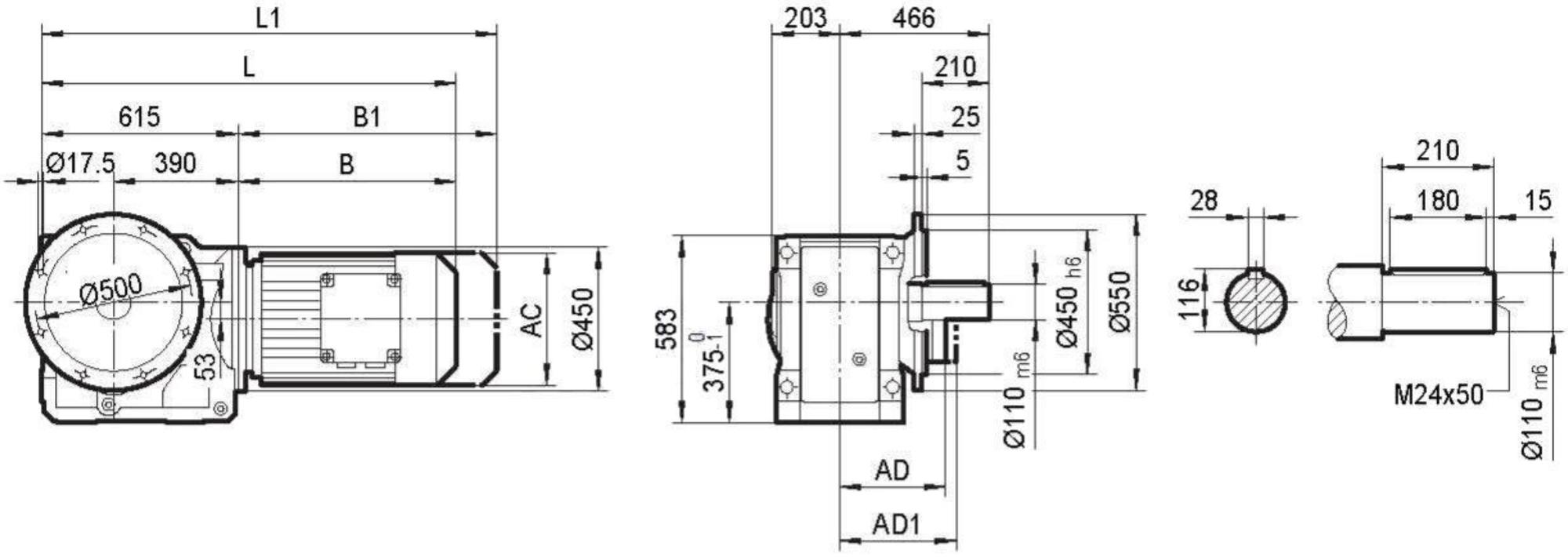

## TKH128B..



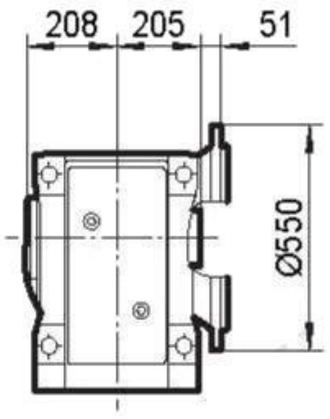



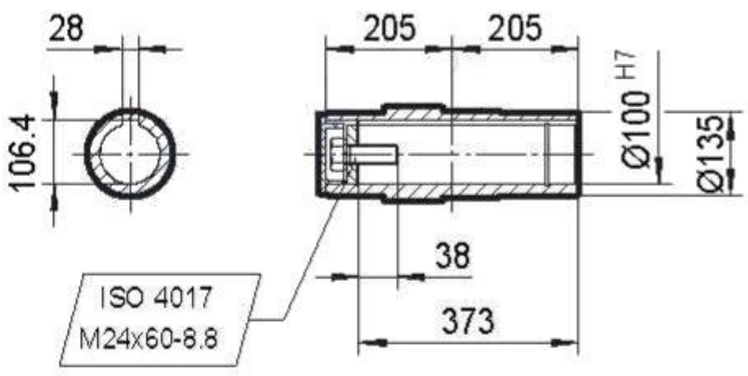

| | MY132M | MY132ML | MY160M | MY160L | MY180.. | MY200.. | MY225.. | MY250M | MY280.. | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **AC** | 275 | 275 | 275 | 331 | 331 | 394 | 394 | 510 | 510 | | |
| **AD** | 230 | 230 | 230 | 258 | 258 | 285 | 289 | 397 | 397 | | |
| **AD1** | 230 | 230 | 230 | 258 | 258 | 285 | 289 | 397 | 397 | | |
| **B** | 381 | 441 | 441 | 488 | 560 | 608 | 690 | 780 | 780 | | |
| **B1** | 493 | 553 | 553 | 644 | 716 | 764 | 846 | 965 | 965 | | |
| **L** | 996 | 1056 | 1056 | 1103 | 1175 | 1223 | 1305 | 1395 | 1395 | | |
| **L1** | 1108 | 1168 | 1168 | 1259 | 1331 | 1379 | 1461 | 1580 | 1580 | | |

## TKF128..

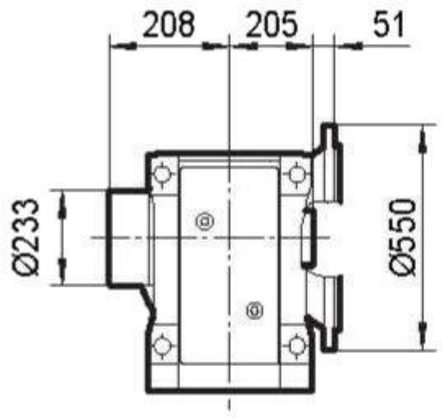


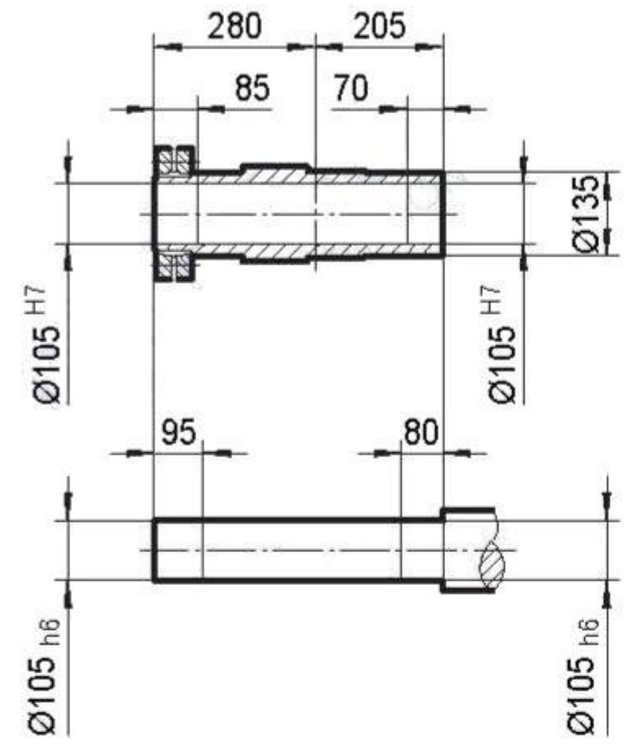

## TKAF128..



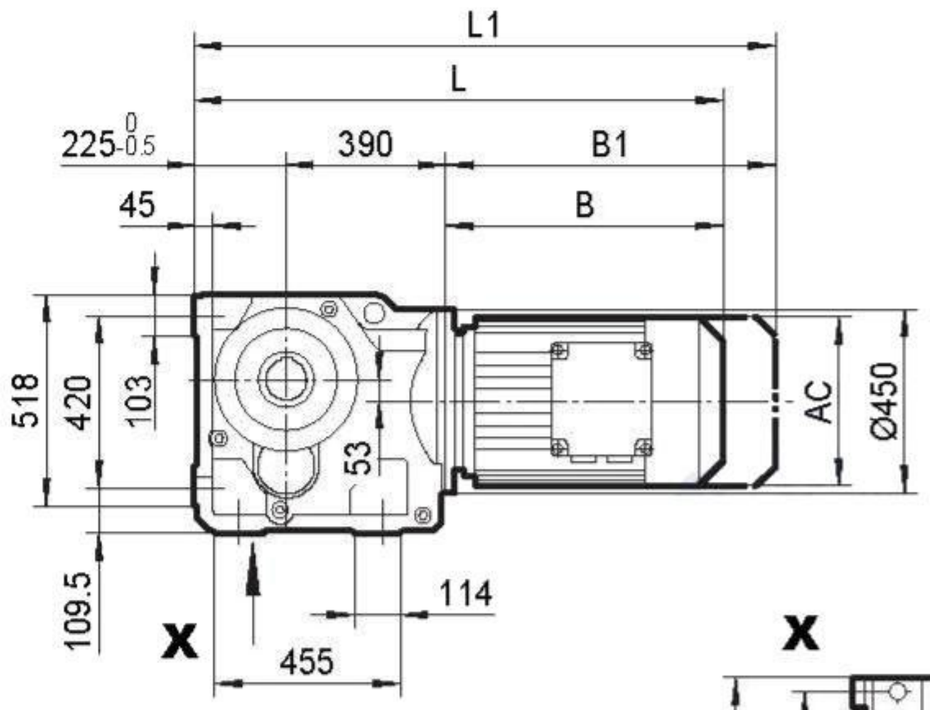

## TKHF128..

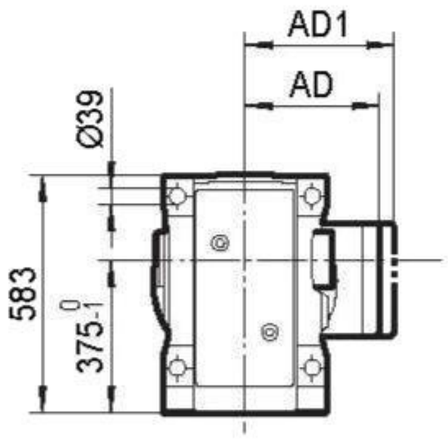


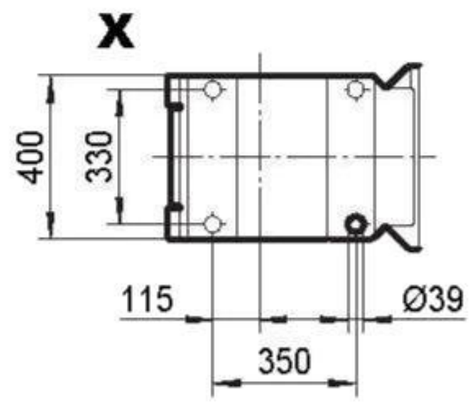



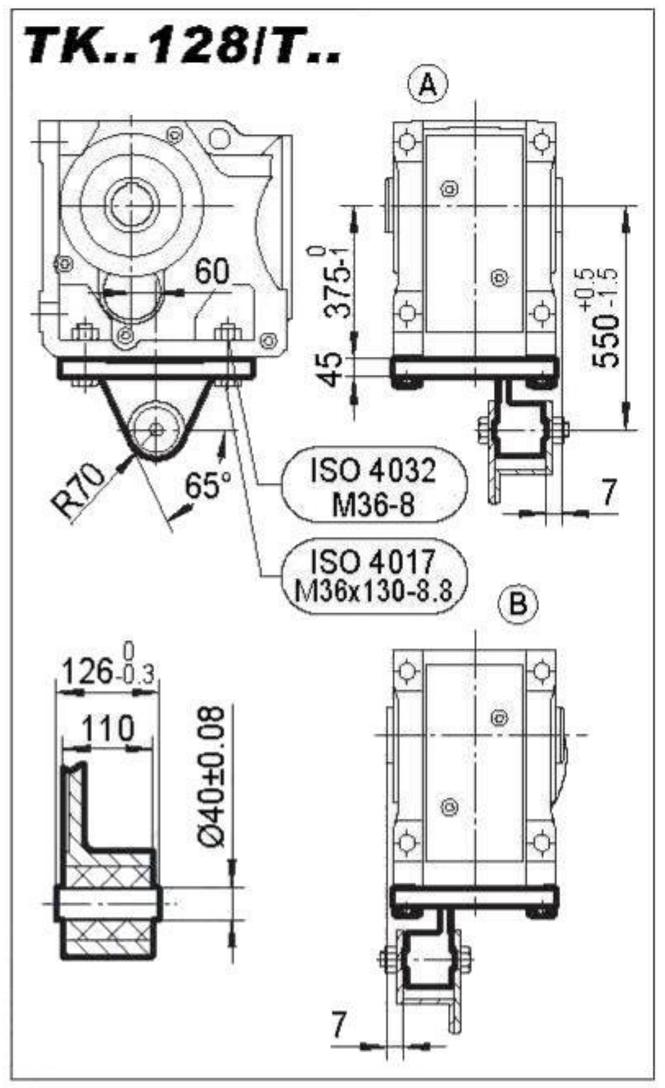

| | MY132M | MY132ML | MY160M | MY160L | MY180.. | MY200.. | MY225.. | MY250M | MY280.. | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **AC** | 275 | 275 | 275 | 331 | 331 | 394 | 394 | 510 | 510 | | |
| **AD** | 230 | 230 | 230 | 258 | 258 | 285 | 289 | 397 | 397 | | |
| **AD1** | 230 | 230 | 230 | 258 | 258 | 285 | 289 | 397 | 397 | | |
| **B** | 381 | 441 | 441 | 488 | 560 | 608 | 690 | 780 | 780 | | |
| **B1** | 493 | 553 | 553 | 644 | 716 | 764 | 846 | 965 | 965 | | |
| **L** | 996 | 1056 | 1056 | 1103 | 1175 | 1223 | 1305 | 1395 | 1395 | | |
| **L1** | 1108 | 1168 | 1168 | 1259 | 1331 | 1379 | 1461 | 1580 | 1580 | | |

## TKA128..

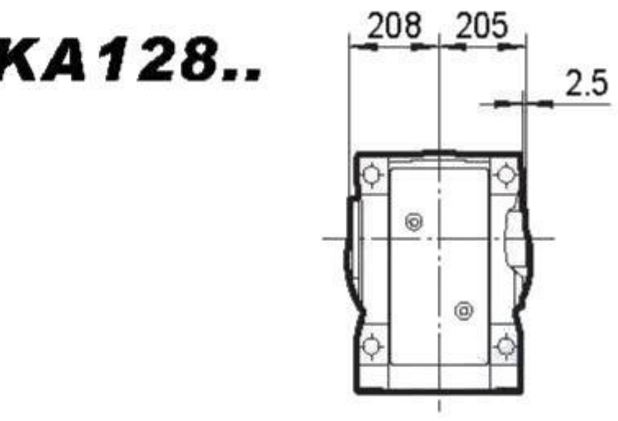


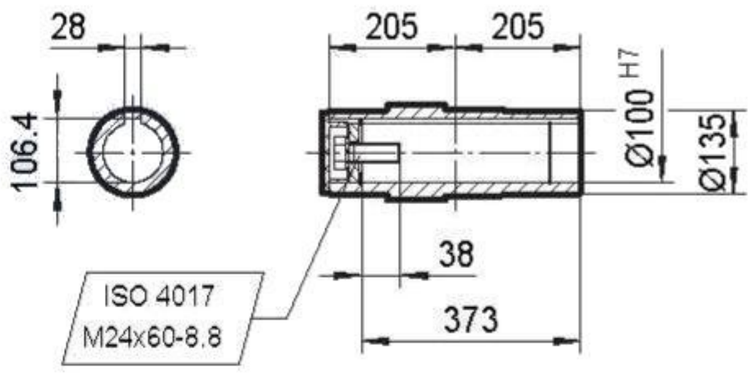



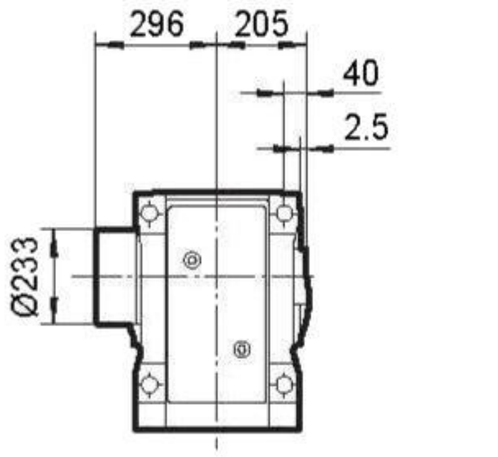



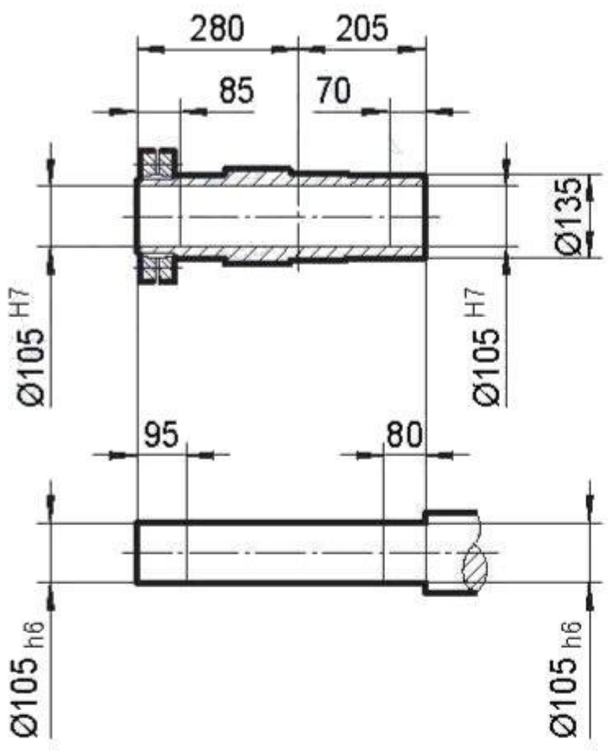

## TKA128..



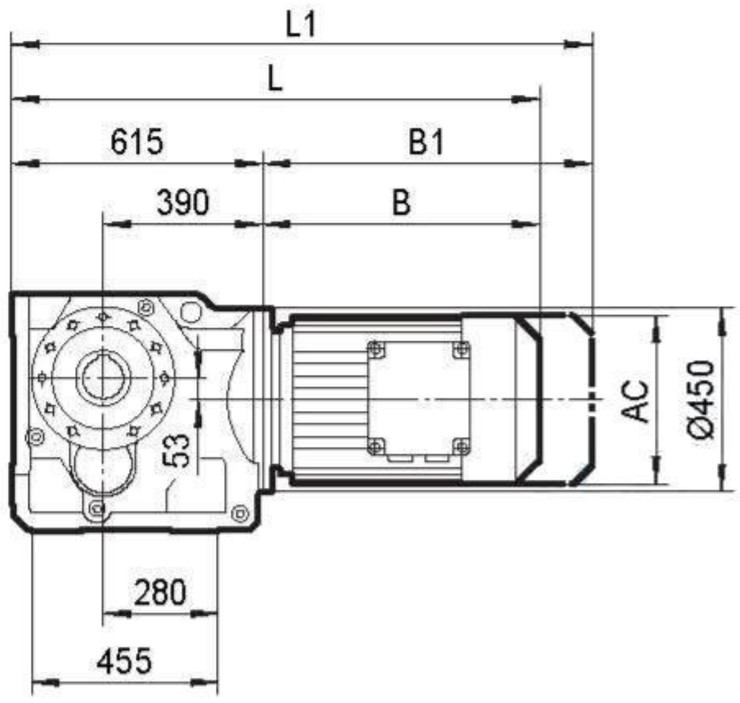

## TKH128..

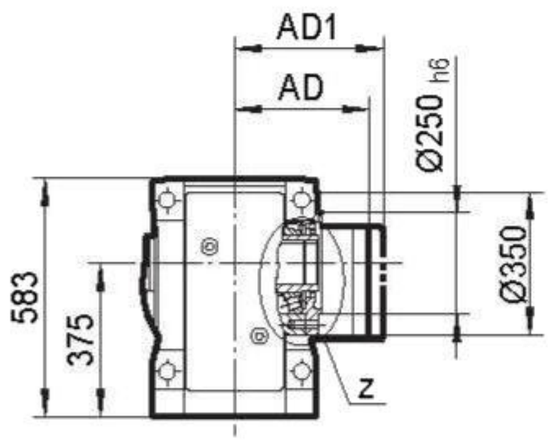


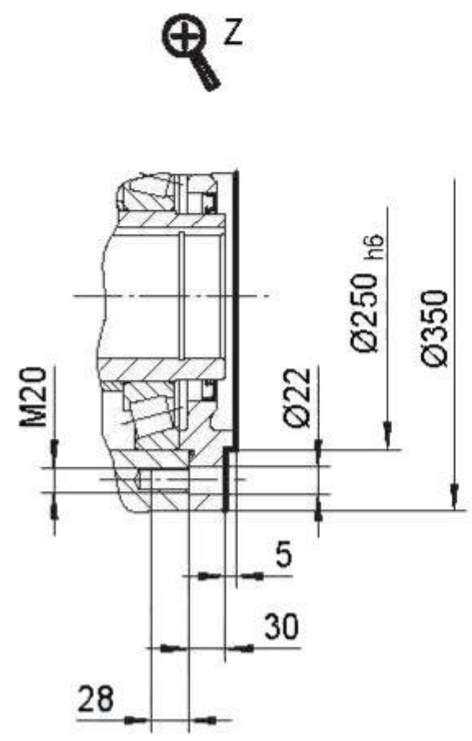



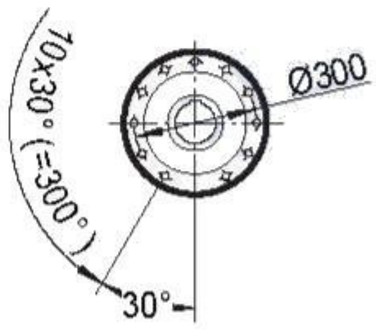

| | MY132M | MY132ML | MY160M | MY160L | MY180.. | MY200.. | MY225.. | MY250M | MY280.. | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **AC** | 275 | 275 | 275 | 331 | 331 | 394 | 394 | 510 | 510 | | |
| **AD** | 230 | 230 | 230 | 258 | 258 | 285 | 289 | 397 | 397 | | |
| **AD1** | 230 | 230 | 230 | 258 | 258 | 285 | 289 | 397 | 397 | | |
| **B** | 381 | 441 | 441 | 488 | 560 | 608 | 690 | 780 | 780 | | |
| **B1** | 493 | 553 | 553 | 644 | 716 | 764 | 846 | 965 | 965 | | |
| **L** | 996 | 1056 | 1056 | 1103 | 1175 | 1223 | 1305 | 1395 | 1395 | | |
| **L1** | 1108 | 1168 | 1168 | 1259 | 1331 | 1379 | 1461 | 1580 | 1580 | | |

## TKAZ128..

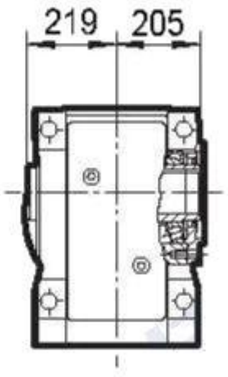


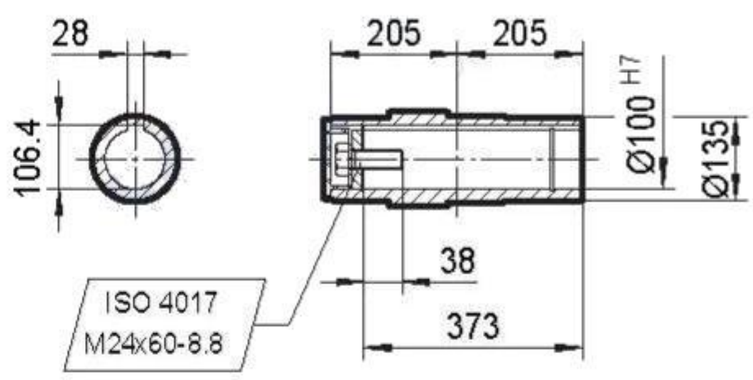



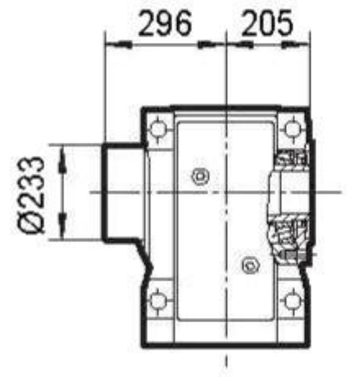



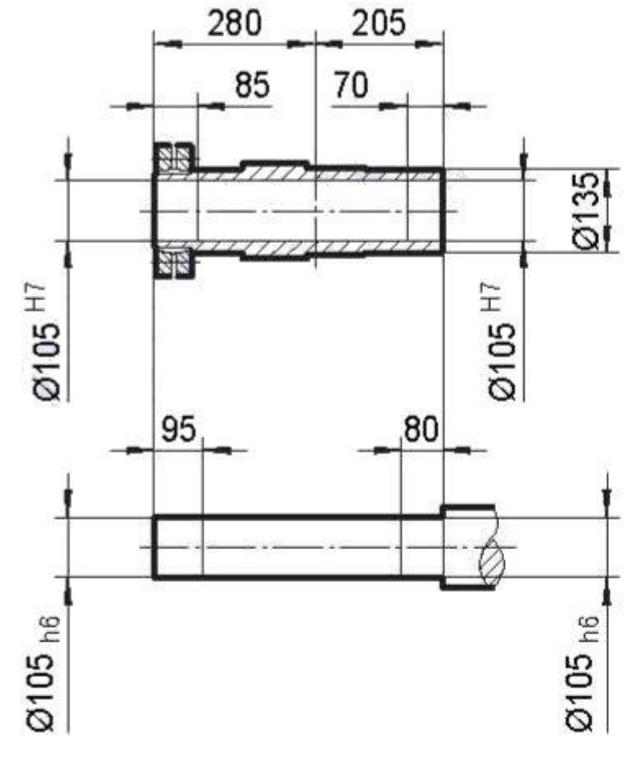

## TKAZ128..



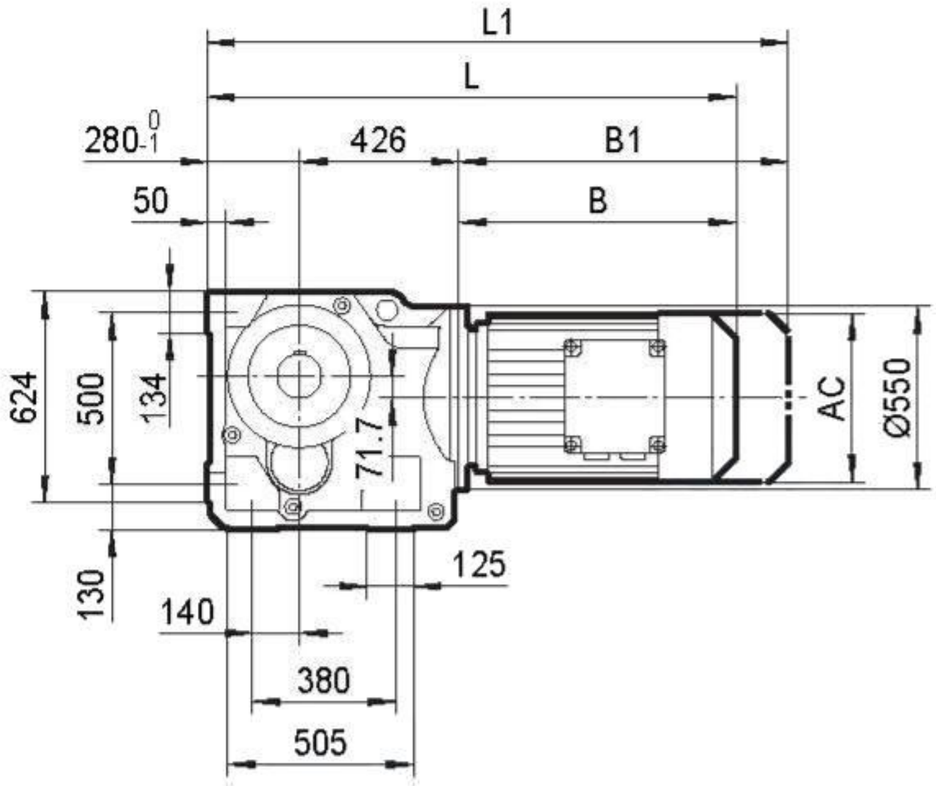

## TKHZ128..

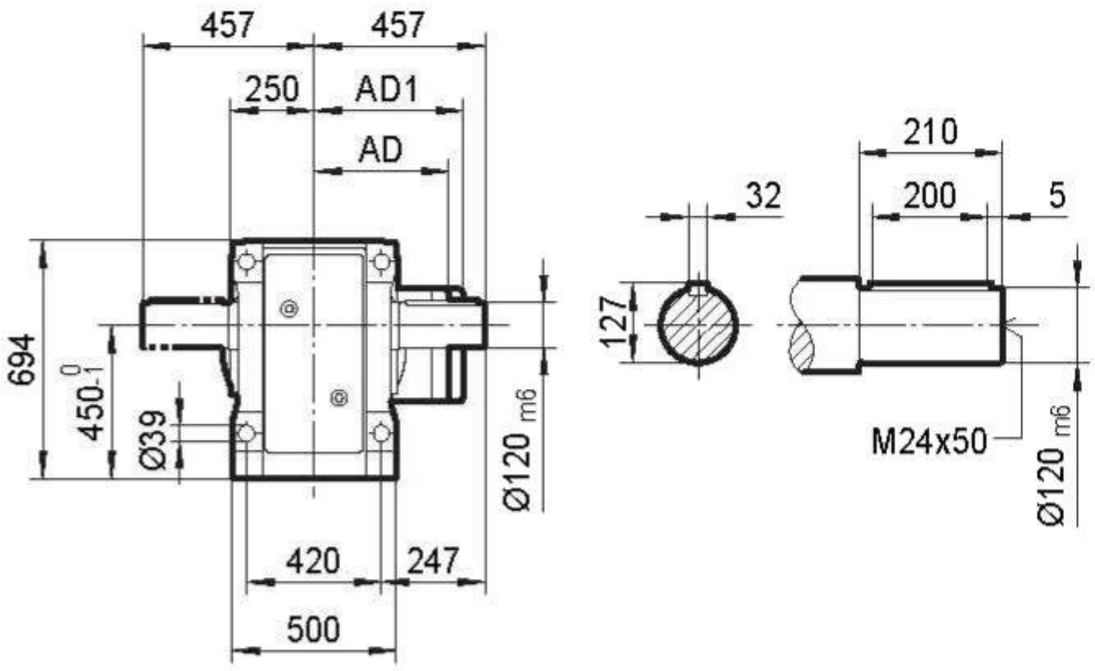



| | MY132M | MY132ML | MY160M | MY160L | MY180.. | MY200.. | MY225.. | MY250M | MY280.. | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **AC** | 275 | 275 | 275 | 331 | 331 | 394 | 394 | 510 | 510 | | |
| **AD** | 230 | 230 | 230 | 258 | 258 | 285 | 289 | 397 | 397 | | |
| **AD1** | 230 | 230 | 230 | 258 | 258 | 285 | 289 | 397 | 397 | | |
| **B** | 381 | 441 | 441 | 488 | 560 | 608 | 690 | 780 | 780 | | |
| **B1** | 493 | 553 | 553 | 644 | 716 | 764 | 846 | 965 | 965 | | |
| **L** | 996 | 1056 | 1056 | 1103 | 1175 | 1223 | 1305 | 1395 | 1395 | | |
| **L1** | 1108 | 1168 | 1168 | 1259 | 1331 | 1379 | 1461 | 1580 | 1580 | | |

## TK158..

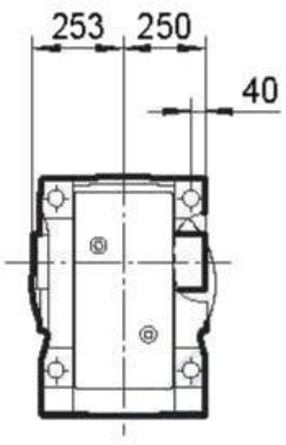


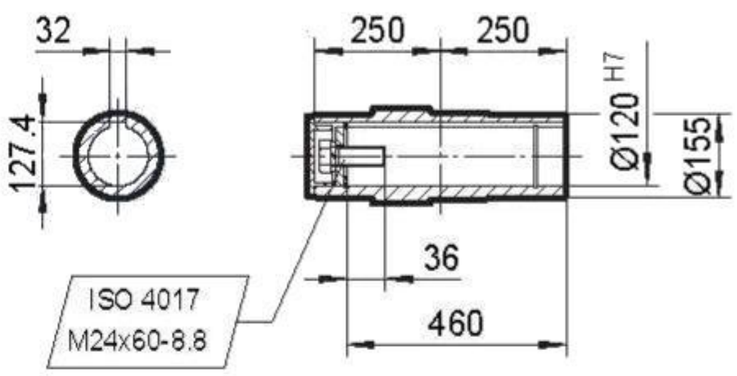





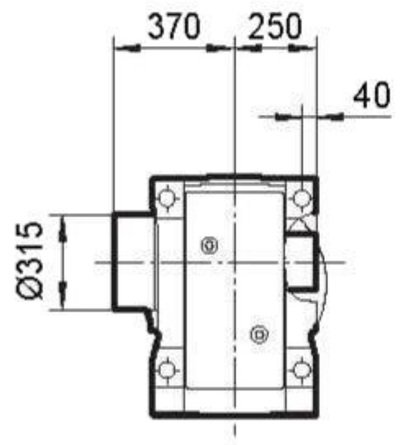


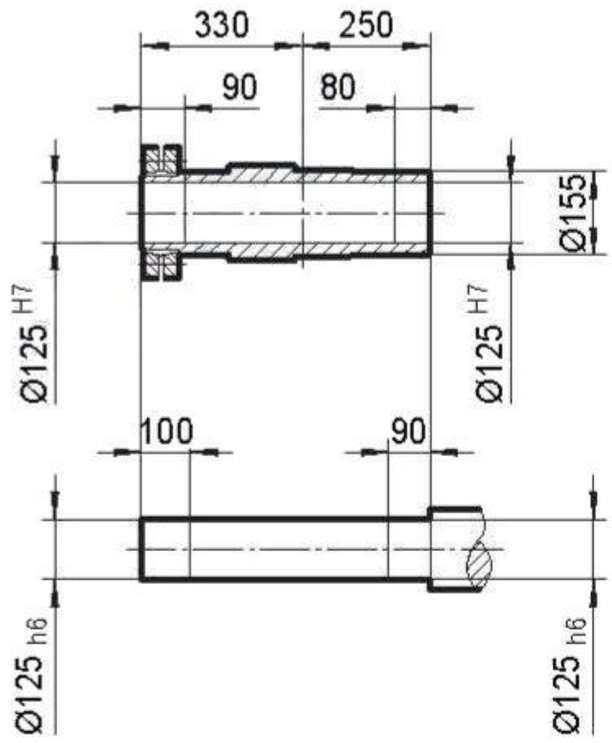
## TKA158B..



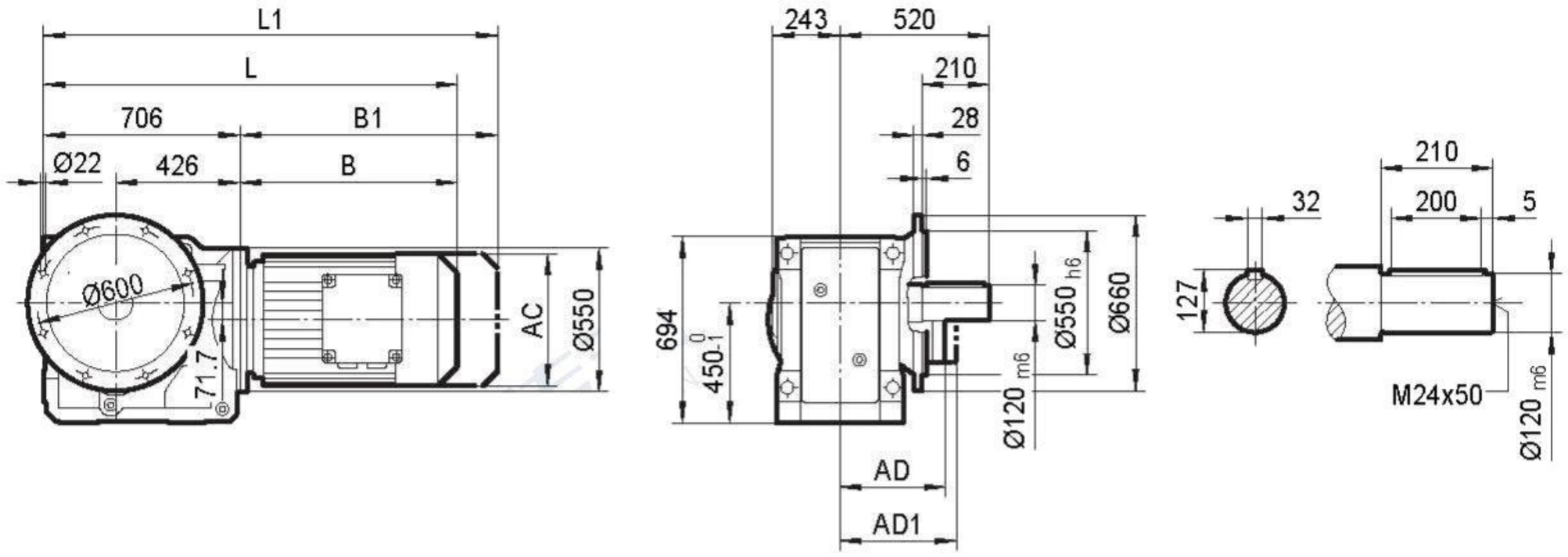

## TKH158B..



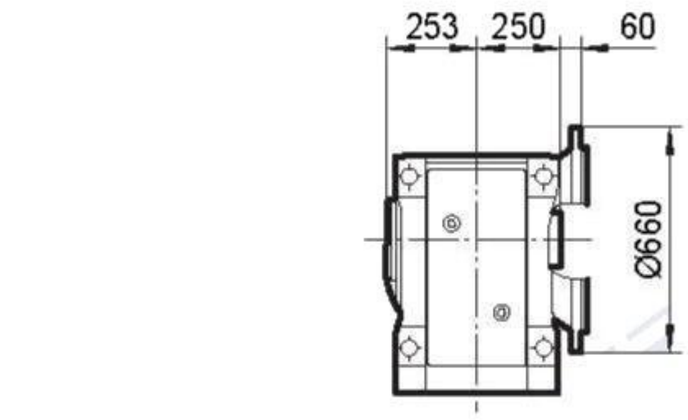




| | MY160M | MY160L | MY180.. | MY200.. | MY225.. | MY250M | MY280.. | MY315S | MY315M | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **AC** | 275 | 331 | 331 | 394 | 394 | 510 | 510 | 612 | 612 | | |
| **AD** | 230 | 258 | 258 | 285 | 289 | 397 | 397 | 430 | 430 | | |
| **AD1** | 230 | 258 | 258 | 285 | 289 | 397 | 397 | 430 | 430 | | |
| **B** | 433 | 480 | 552 | 600 | 682 | 771 | 771 | 999 | 1050 | | |
| **B1** | 545 | 636 | 708 | 756 | 838 | 956 | 956 | 1210 | 1261 | | |
| **L** | 1139 | 1186 | 1258 | 1306 | 1388 | 1477 | 1477 | 1705 | 1756 | | |
| **L1** | 1251 | 1342 | 1414 | 1462 | 1544 | 1662 | 1662 | 1916 | 1967 | | |

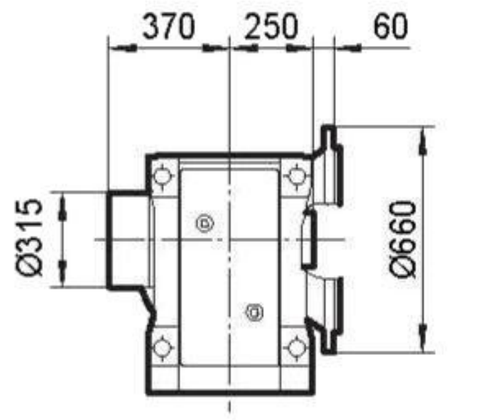
## TKF158..




## TKAF158..

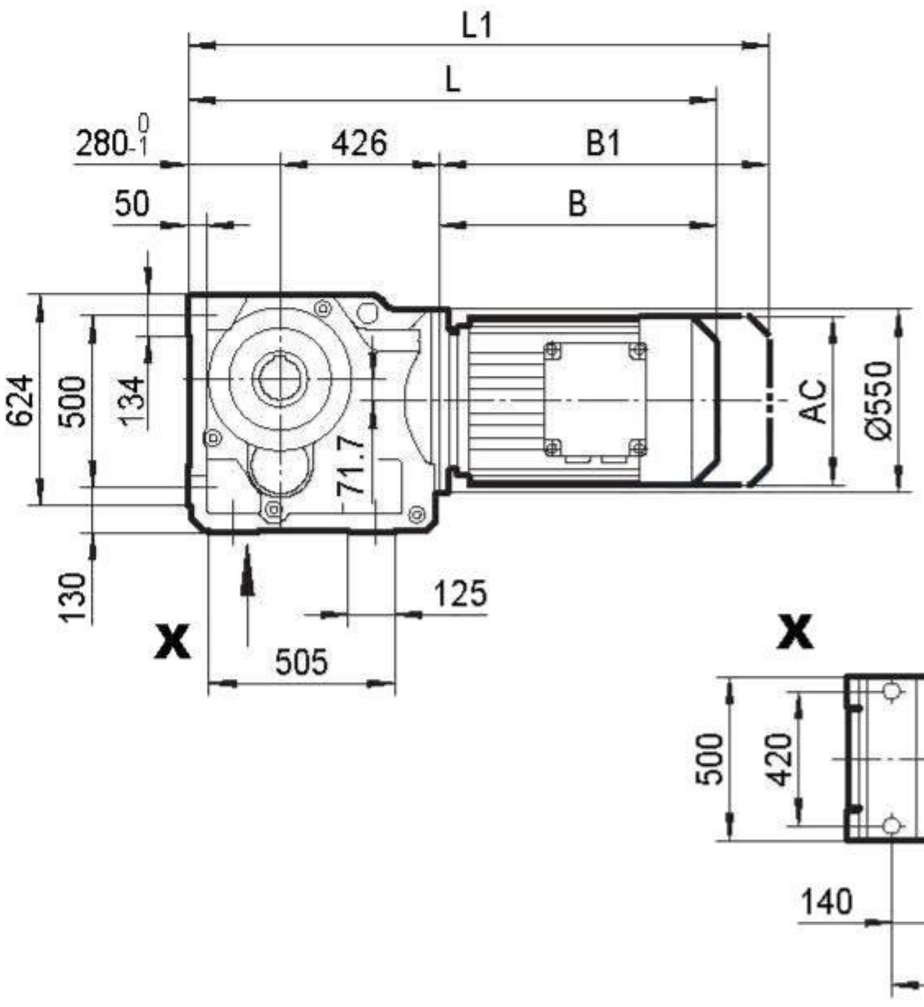


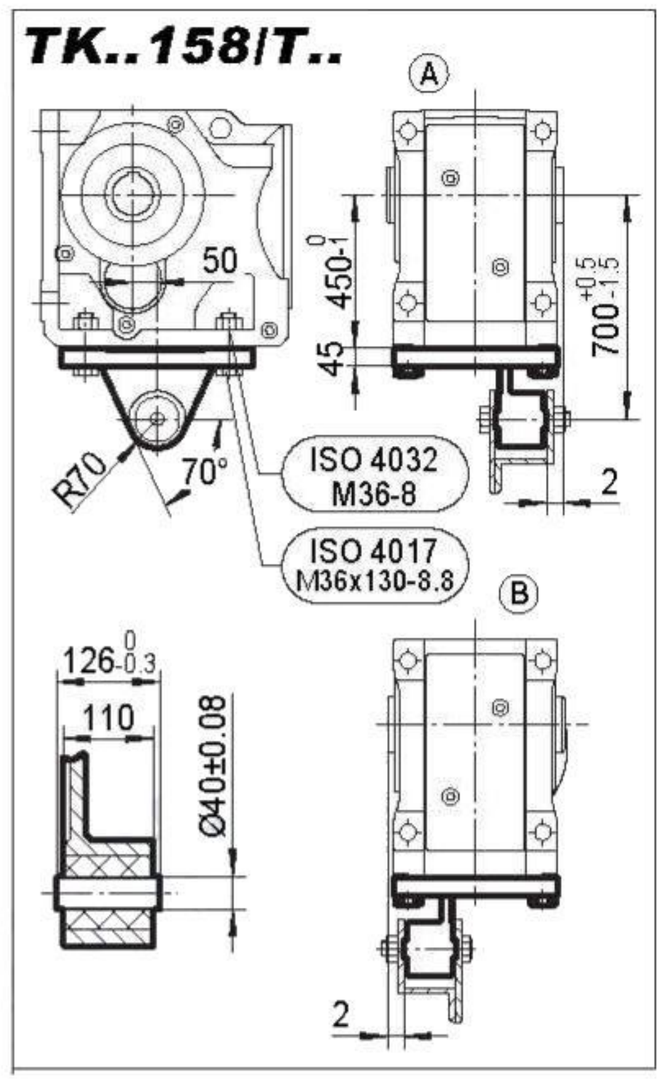

## TKHF158..



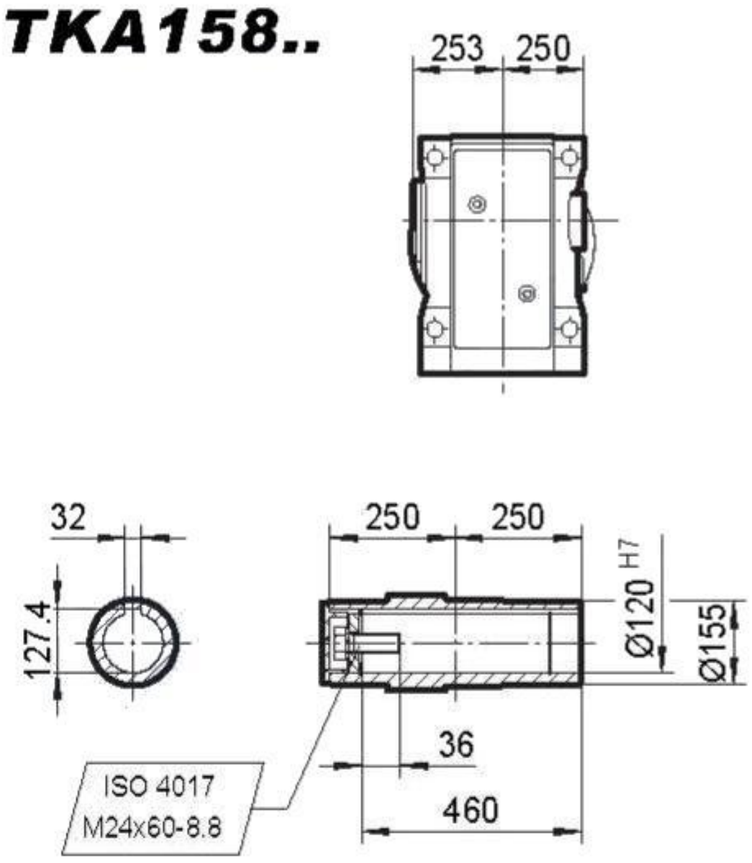

| | MY160M | MY160L | MY180.. | MY200.. | MY225.. | MY250M | MY280.. | MY315S | MY315M | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **AC** | 275 | 331 | 331 | 394 | 394 | 510 | 510 | 612 | 612 | | |
| **AD** | 230 | 258 | 258 | 285 | 289 | 397 | 397 | 430 | 430 | | |
| **AD1** | 230 | 258 | 258 | 285 | 289 | 397 | 397 | 430 | 430 | | |
| **B** | 433 | 480 | 552 | 600 | 682 | 771 | 771 | 999 | 1050 | | |
| **B1** | 545 | 636 | 708 | 756 | 838 | 956 | 956 | 1210 | 1261 | | |
| **L** | 1139 | 1186 | 1258 | 1306 | 1388 | 1477 | 1477 | 1705 | 1756 | | |
| **L1** | 1251 | 1342 | 1414 | 1462 | 1544 | 1662 | 1662 | 1916 | 1967 | | |

## TKA158..

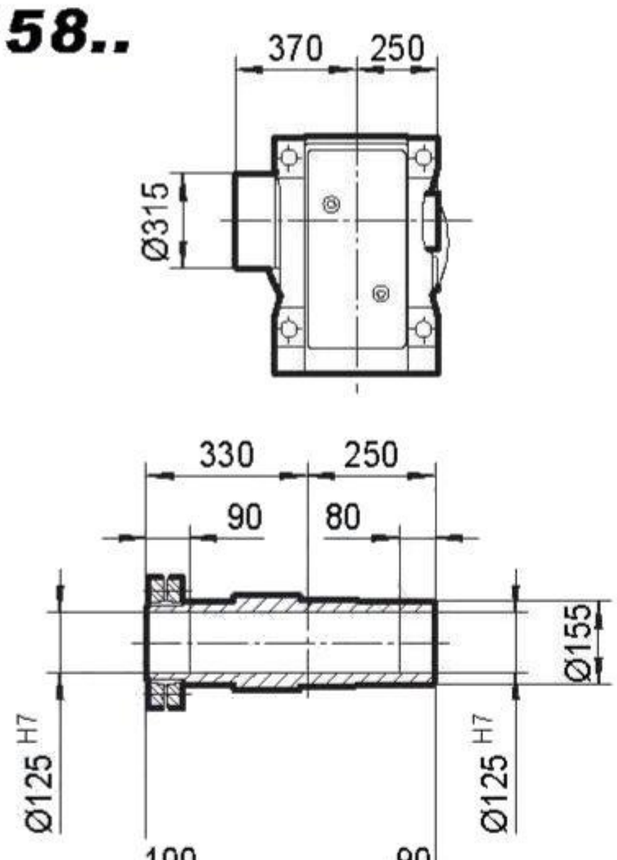



## TKA158..

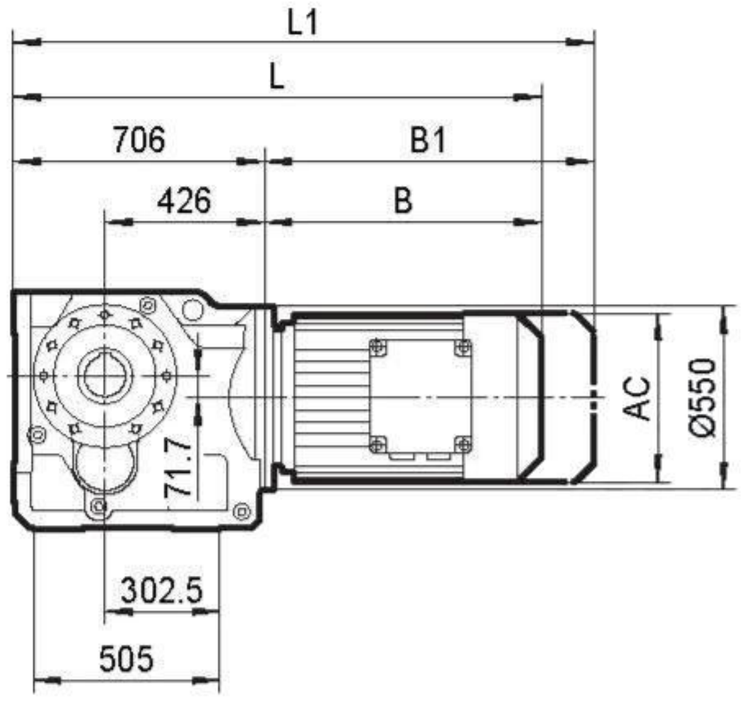


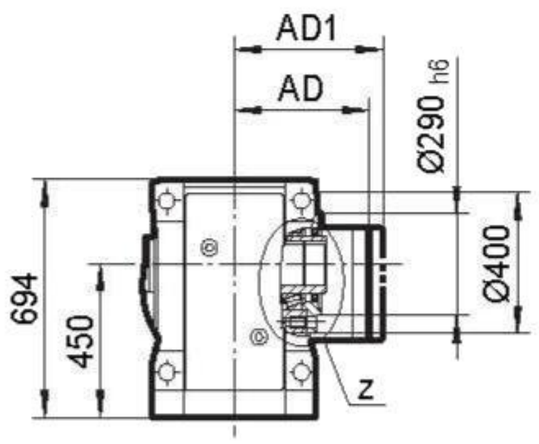

## TKH158..

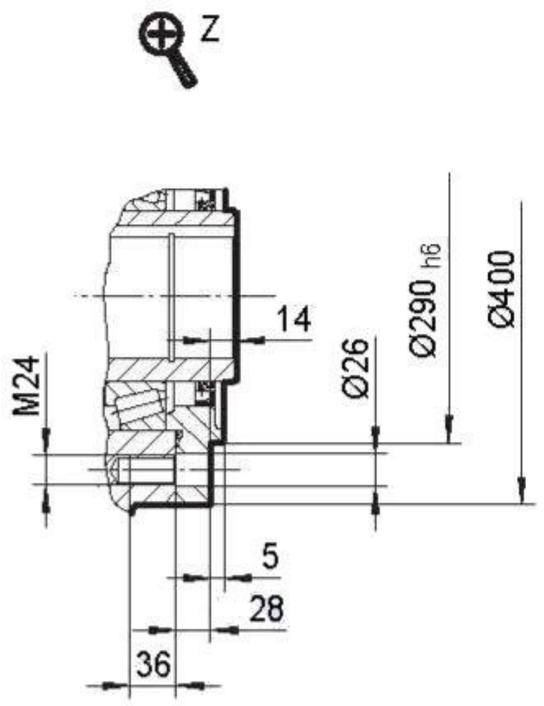


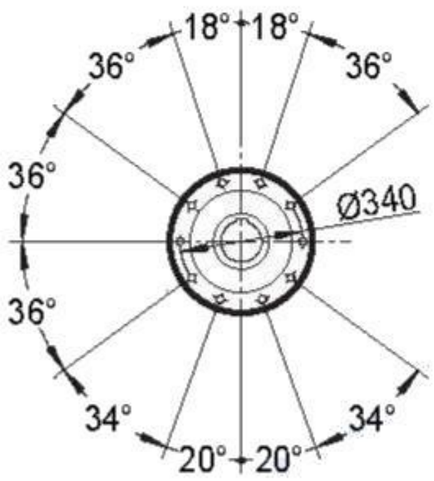

| | MY160M | MY160L | MY180.. | MY200.. | MY225.. | MY250M | MY280.. | MY315S | MY315M | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **AC** | 275 | 331 | 331 | 394 | 394 | 510 | 510 | 612 | 612 | | |
| **AD** | 230 | 258 | 258 | 285 | 289 | 397 | 397 | 430 | 430 | | |
| **AD1** | 230 | 258 | 258 | 285 | 289 | 397 | 397 | 430 | 430 | | |
| **B** | 433 | 480 | 552 | 600 | 682 | 771 | 771 | 999 | 1050 | | |
| **B1** | 545 | 636 | 708 | 756 | 838 | 956 | 956 | 1210 | 1261 | | |
| **L** | 1139 | 1186 | 1258 | 1306 | 1388 | 1477 | 1477 | 1705 | 1756 | | |
| **L1** | 1251 | 1342 | 1414 | 1462 | 1544 | 1662 | 1662 | 1916 | 1967 | | |

## TKAZ158..

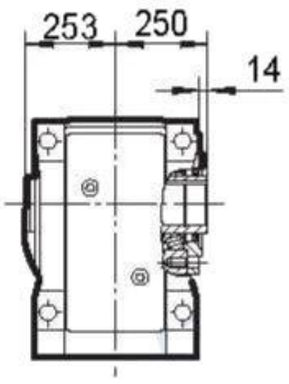


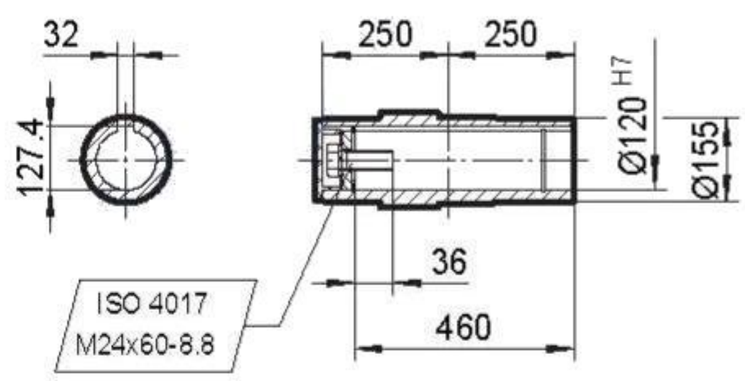



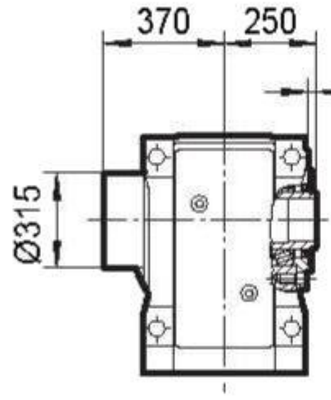



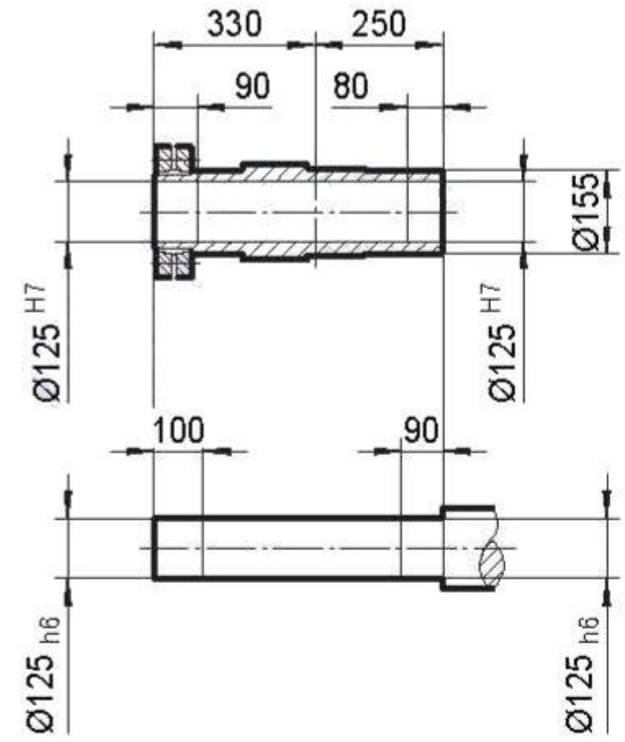

## TKAZ158..



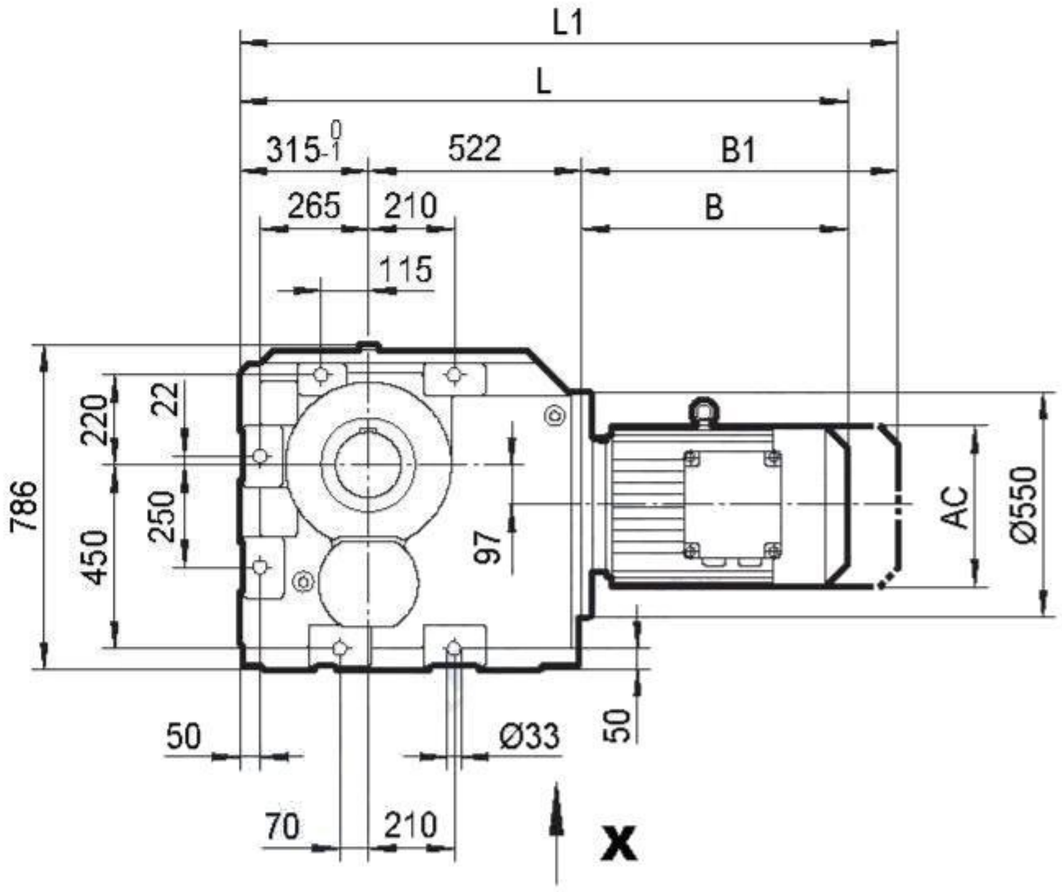

## TKHZ158..

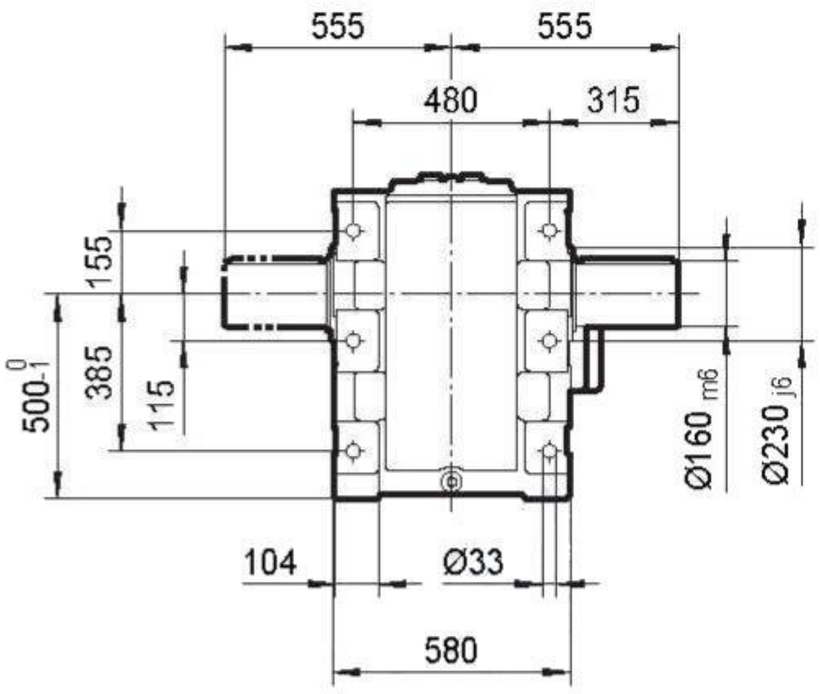


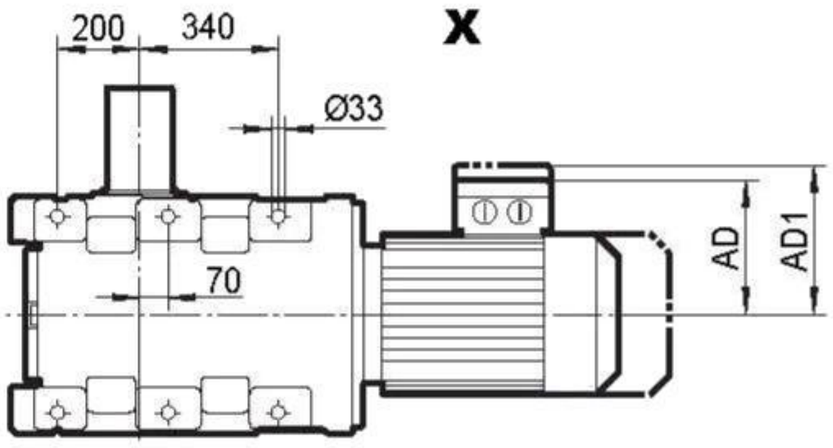



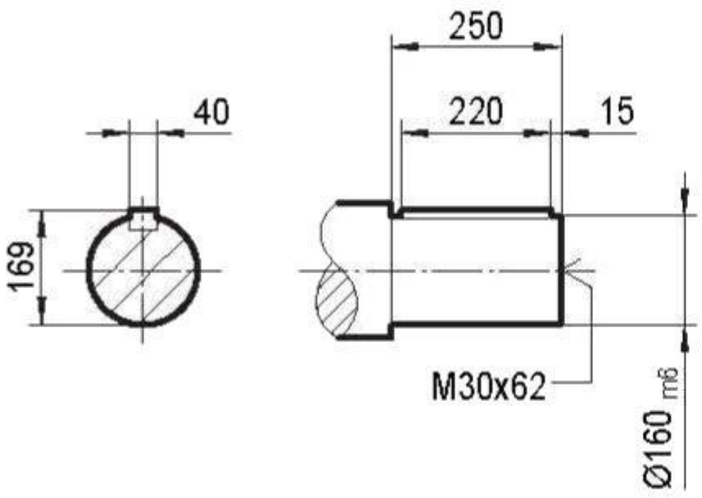

| | MY160M | MY160L | MY180.. | MY200.. | MY225.. | MY250M | MY280.. | MY315S | MY315M | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| AC | 275 | 331 | 331 | 394 | 394 | 510 | 510 | 612 | 612 | | |
| AD | 230 | 258 | 258 | 285 | 289 | 397 | 397 | 430 | 430 | | |
| AD1 | 230 | 258 | 258 | 285 | 289 | 397 | 397 | 430 | 430 | | |
| B | 433 | 480 | 552 | 600 | 682 | 771 | 771 | 999 | 1050 | | |
| B1 | 545 | 636 | 708 | 756 | 838 | 956 | 956 | 1210 | 1261 | | |
| L | 1139 | 1186 | 1258 | 1306 | 1388 | 1477 | 1477 | 1705 | 1756 | | |
| L1 | 1251 | 1342 | 1414 | 1462 | 1544 | 1662 | 1662 | 1916 | 1967 | | |

## TK168..

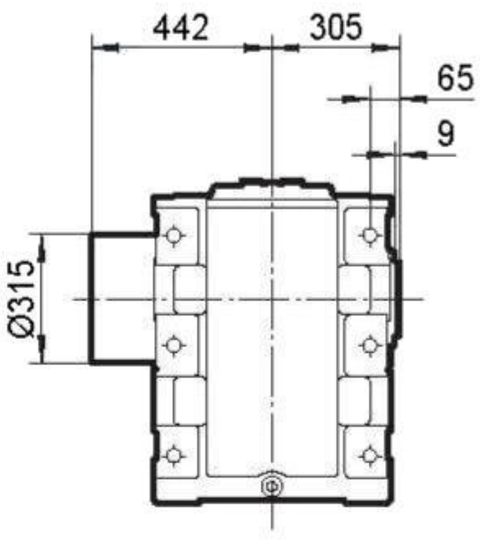


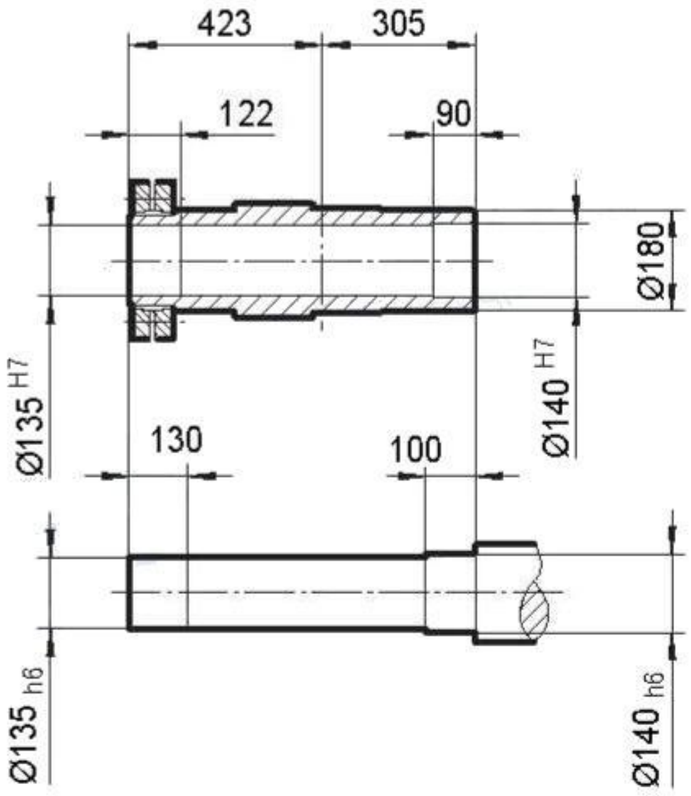



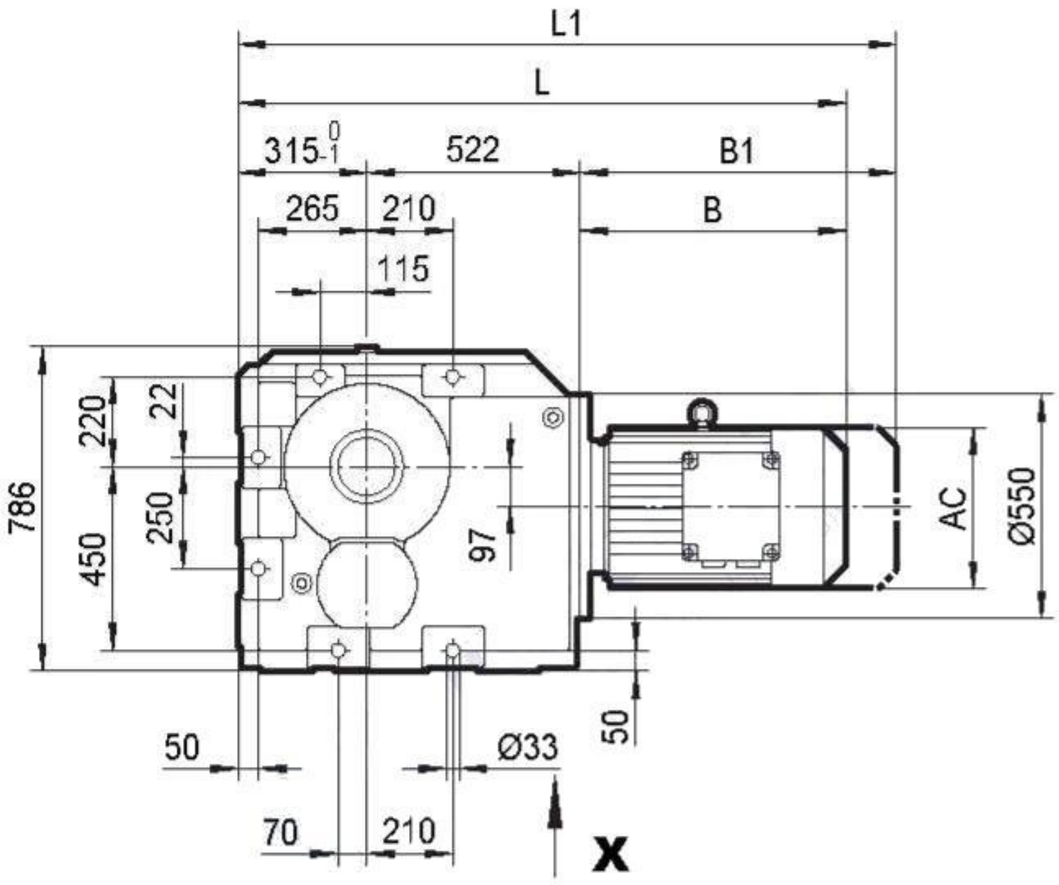

## TKH168B..

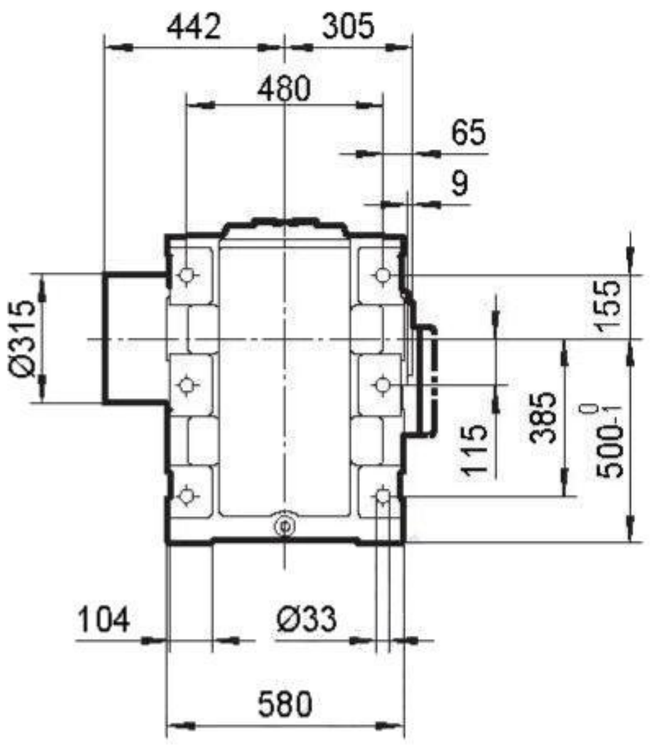


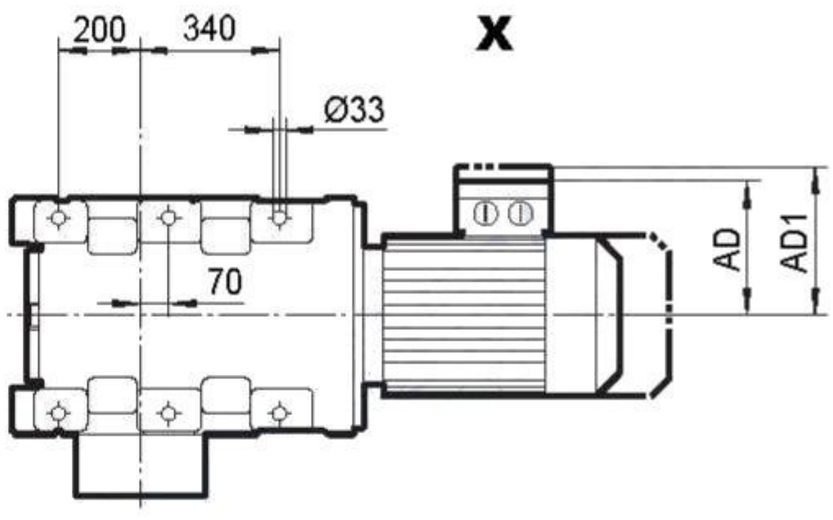



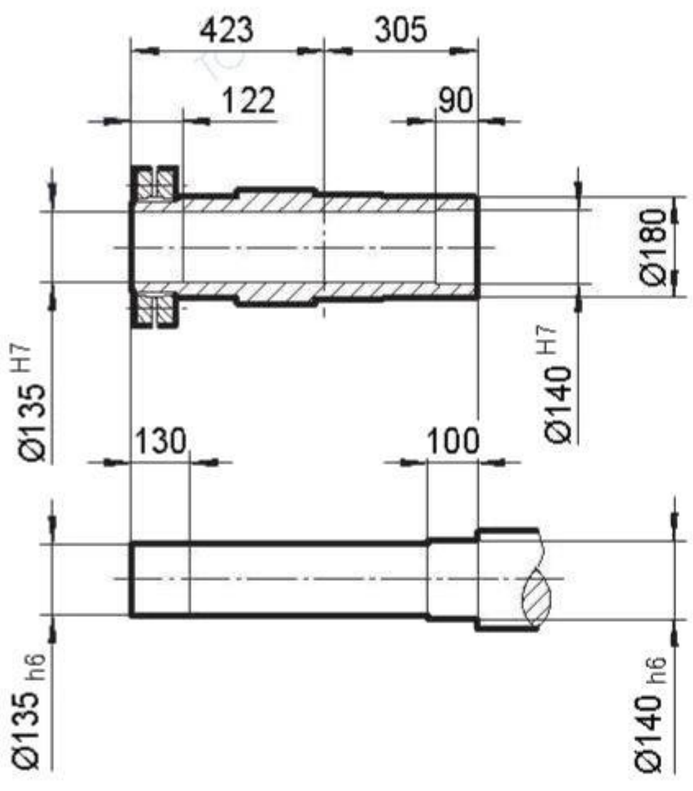

| | MY160M | MY160L | MY180.. | MY200.. | MY225.. | MY250M | MY280.. | MY315S | MY315M | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **AC** | 275 | 331 | 331 | 394 | 394 | 510 | 510 | 612 | 612 | | |
| **AD** | 230 | 258 | 258 | 285 | 289 | 397 | 397 | 430 | 430 | | |
| **AD1** | 230 | 258 | 258 | 285 | 289 | 397 | 397 | 430 | 430 | | |
| **B** | 433 | 480 | 552 | 600 | 682 | 771 | 771 | 999 | 1050 | | |
| **B1** | 545 | 636 | 708 | 756 | 838 | 956 | 956 | 1210 | 1261 | | |
| **L** | 1270 | 1317 | 1389 | 1437 | 1519 | 1608 | 1608 | 1836 | 1887 | | |
| **L1** | 1382 | 1473 | 1545 | 1593 | 1675 | 1793 | 1793 | 2047 | 2098 | | |

## TKH168..



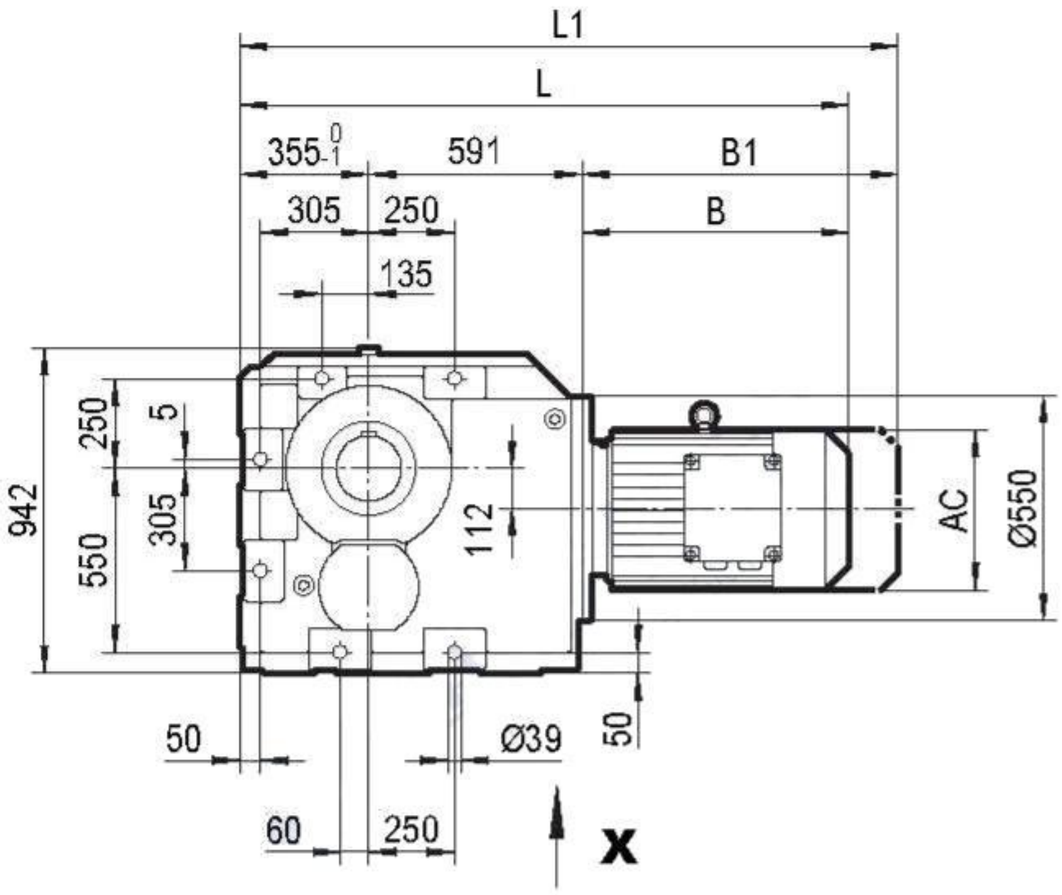



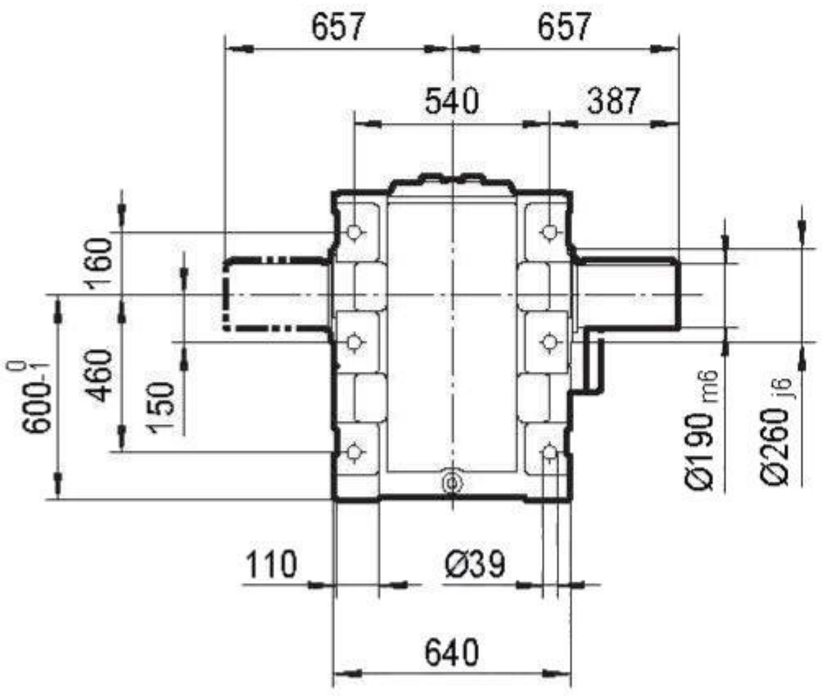



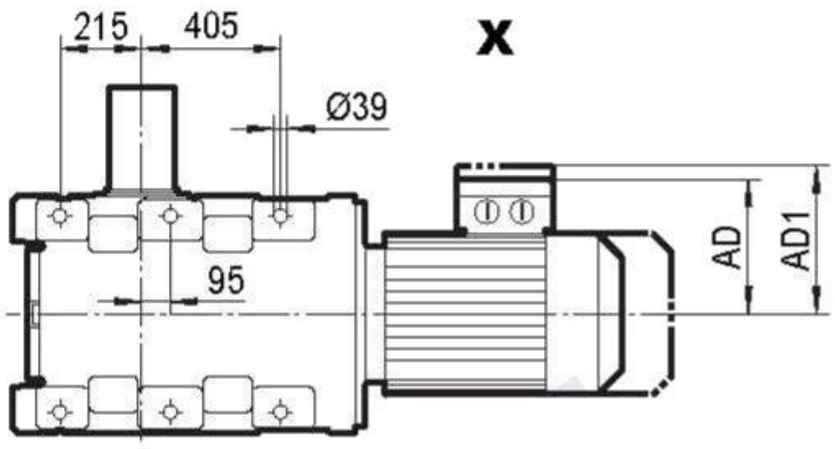



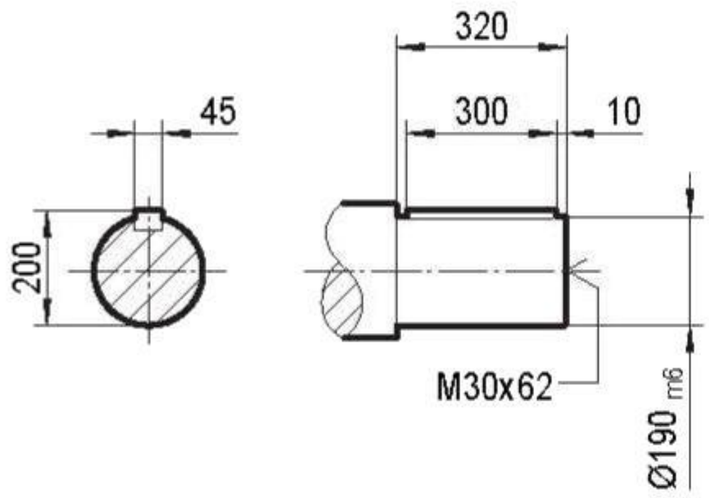

| | MY160M | MY160L | MY180.. | MY200.. | MY225.. | MY250M | MY280.. | MY315S | MY315M | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **AC** | 275 | 331 | 331 | 394 | 394 | 510 | 510 | 612 | 612 | | |
| **AD** | 230 | 258 | 258 | 285 | 289 | 397 | 397 | 430 | 430 | | |
| **AD1** | 230 | 258 | 258 | 285 | 289 | 397 | 397 | 430 | 430 | | |
| **B** | 433 | 480 | 552 | 600 | 682 | 771 | 771 | 999 | 1050 | | |
| **B1** | 545 | 636 | 708 | 756 | 838 | 956 | 956 | 1210 | 1261 | | |
| **L** | 1270 | 1317 | 1389 | 1437 | 1519 | 1608 | 1608 | 1836 | 1887 | | |
| **L1** | 1382 | 1473 | 1545 | 1593 | 1675 | 1793 | 1793 | 2047 | 2098 | | |

## TK188..

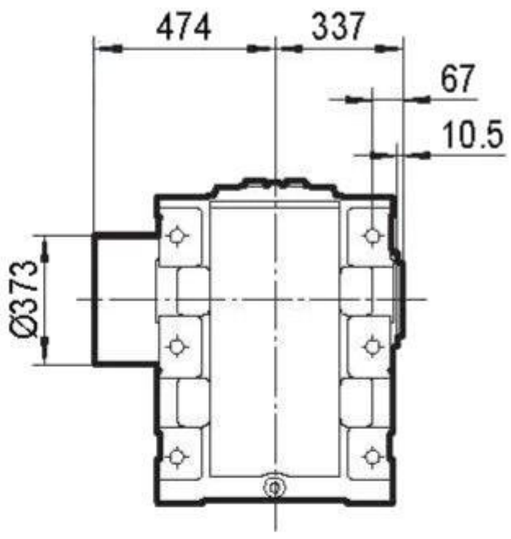


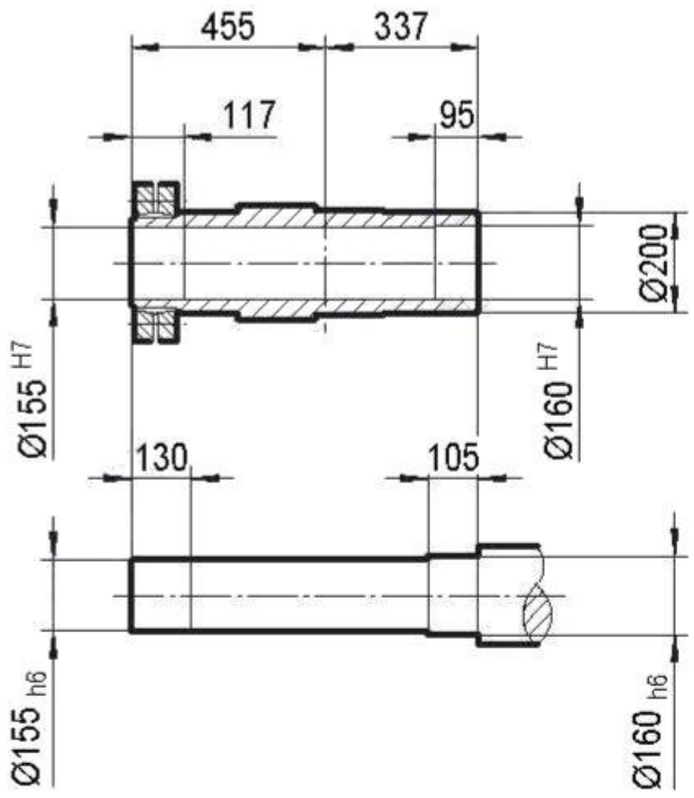



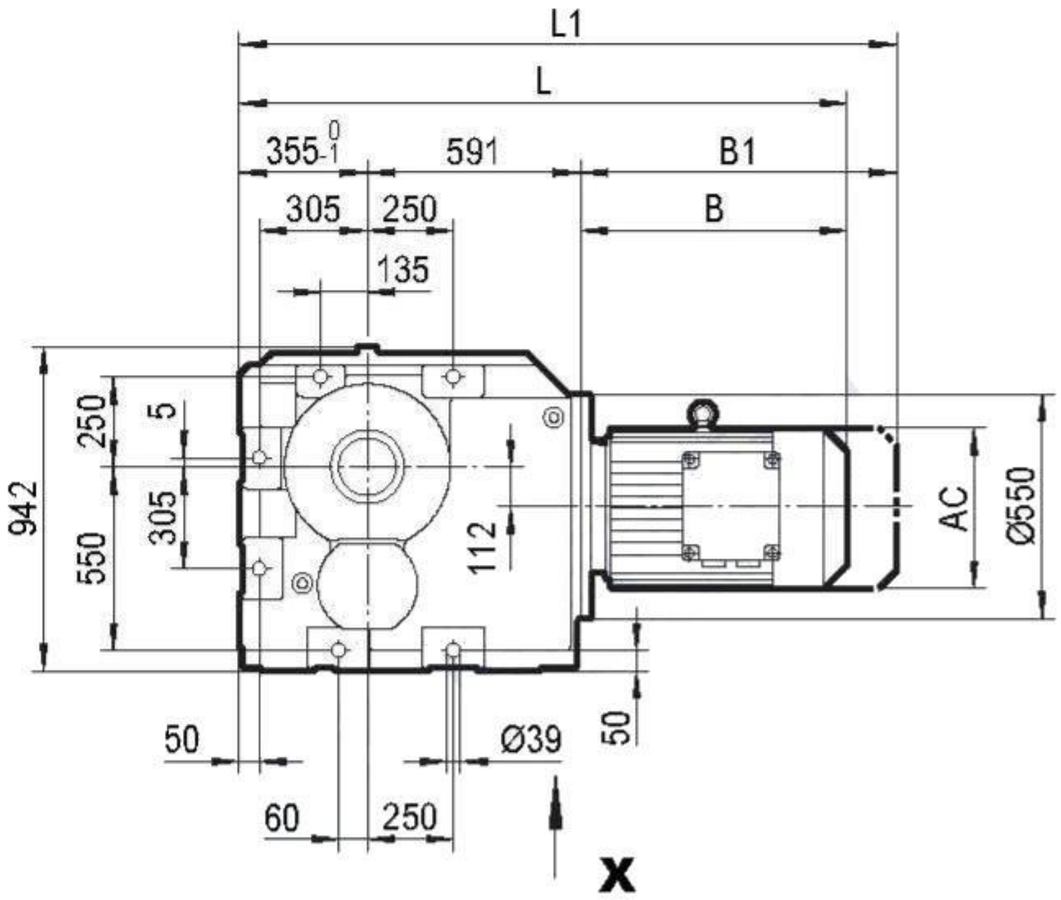

## TKH188B..

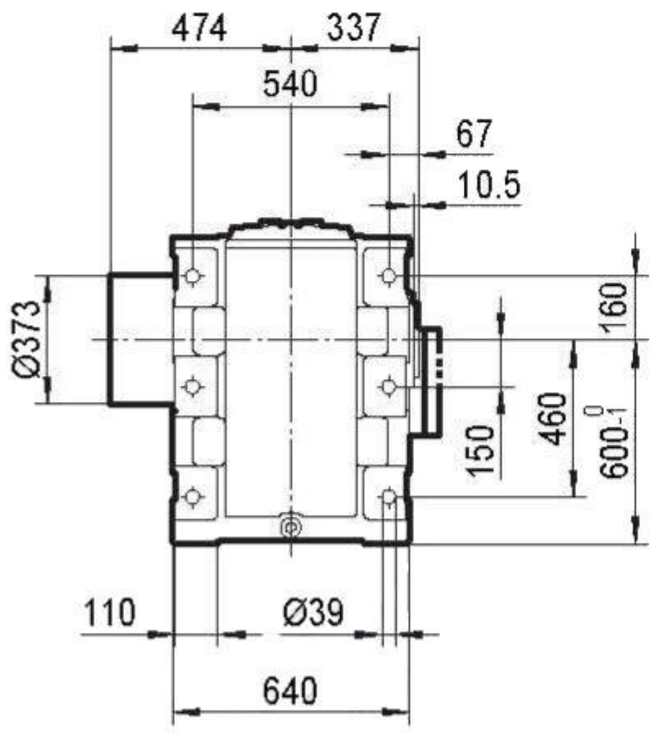


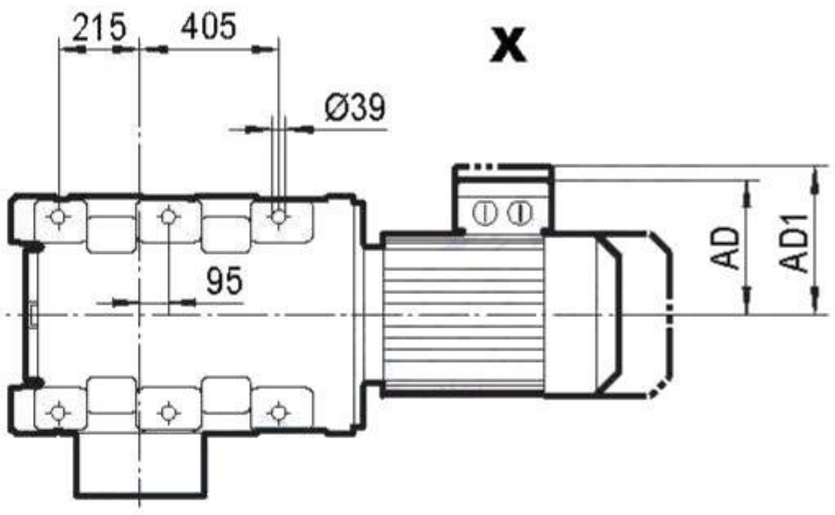



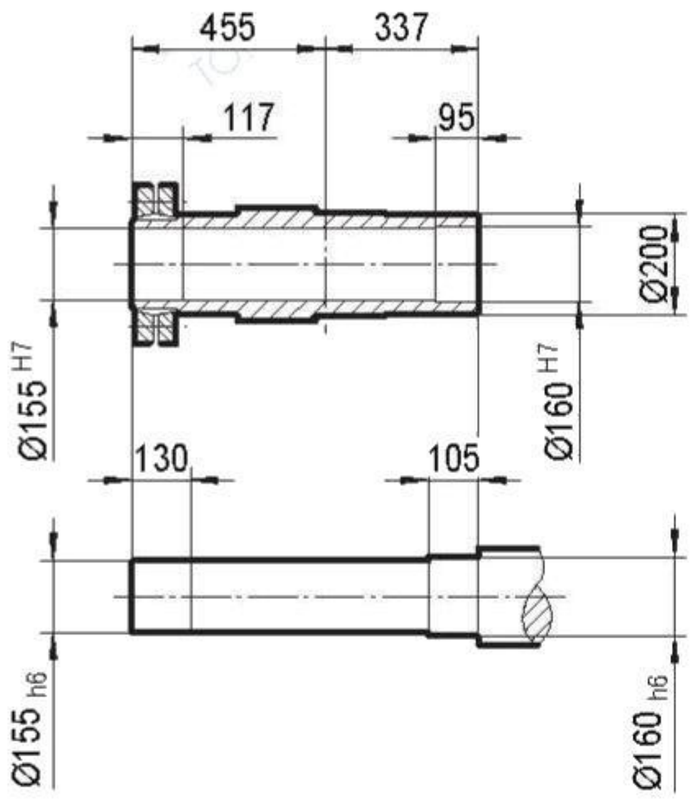

| | MY180.. | MY200.. | MY225.. | MY250M | MY280.. | MY315S | MY315M | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **AC** | 331 | 394 | 394 | 510 | 510 | 612 | 612 | | | | |
| **AD** | 258 | 285 | 289 | 397 | 397 | 430 | 430 | | | | |
| **AD1** | 258 | 285 | 289 | 397 | 397 | 430 | 430 | | | | |
| **B** | 552 | 600 | 682 | 771 | 771 | 999 | 1050 | | | | |
| **B1** | 708 | 756 | 838 | 956 | 956 | 1210 | 1261 | | | | |
| **L** | 1498 | 1546 | 1628 | 1717 | 1717 | 1945 | 1996 | | | | |
| **L1** | 1654 | 1702 | 1784 | 1902 | 1902 | 2156 | 2207 | | | | |

## TKH188..



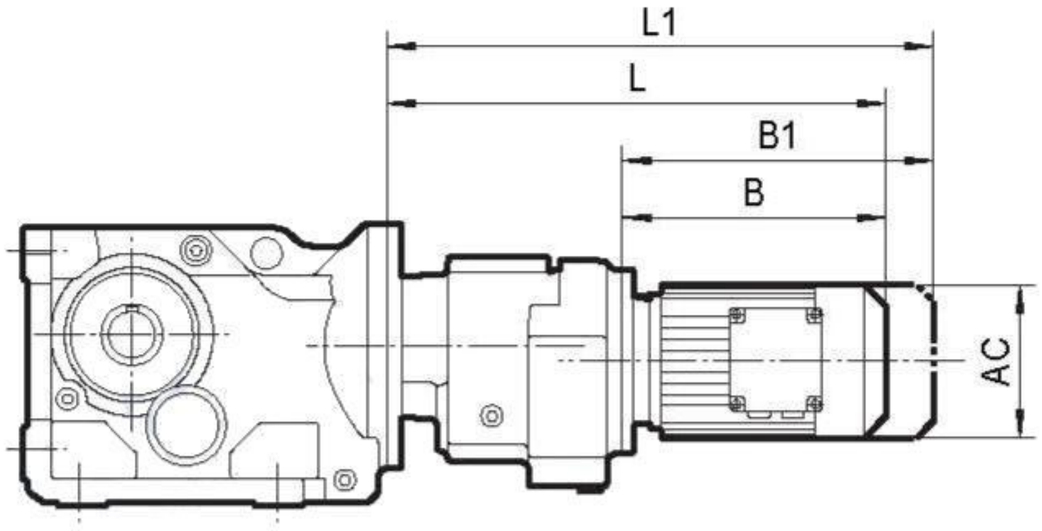




| | MY180.. | MY200.. | MY225.. | MY250M | MY280.. | MY315S | MY315M | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **AC** | 331 | 394 | 394 | 510 | 510 | 612 | 612 | | | | |
| **AD** | 258 | 285 | 289 | 397 | 397 | 430 | 430 | | | | |
| **AD1** | 258 | 285 | 289 | 397 | 397 | 430 | 430 | | | | |
| **B** | 552 | 600 | 682 | 771 | 771 | 999 | 1050 | | | | |
| **B1** | 708 | 756 | 838 | 956 | 956 | 1210 | 1261 | | | | |
| **L** | 1498 | 1546 | 1628 | 1717 | 1717 | 1945 | 1996 | | | | |
| **L1** | 1654 | 1702 | 1784 | 1902 | 1902 | 2156 | 2207 | | | | |

### *5.4.2 TK../TRF Outline Dimension*

## TK../TRF..



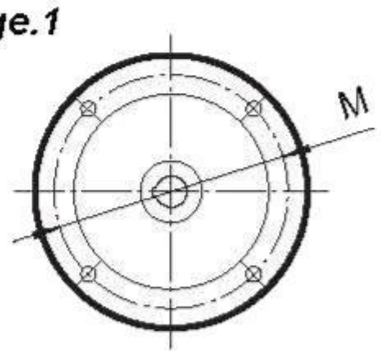

| TK../TRF.. | MY.. | AC | L | L1 | B | B1 |
|---|---|---|---|---|---|---|
| TK..38/TRF18 | MY63.. | 132 | 324 | 379 | 149 | 204 |
| | MY71D | 145 | 339 | 403 | 164 | 228 |
| | MY80.. | 145 | 389 | 453 | 214 | 278 |
| TK..48/TRF38 | MY63.. | 132 | 356 | 411 | 191 | 246 |
| | MY71D | 145 | 371 | 435 | 206 | 270 |
| | MY80.. | 145 | 421 | 485 | 256 | 320 |
| TK..58/TRF38<br>TK..68/TRF38 | MY63.. | 132 | 356 | 411 | 191 | 246 |
| | MY71D | 145 | 371 | 435 | 206 | 270 |
| | MY80.. | 145 | 421 | 485 | 256 | 320 |
| | MY90.. | 197 | 441 | 526 | 276 | 361 |
| Tk..78/TRF38 | MY63.. | 132 | 348 | 403 | 191 | 246 |
| | MY71D | 145 | 363 | 427 | 206 | 270 |
| | MY80.. | 145 | 413 | 477 | 256 | 320 |
| | MY90.. | 197 | 433 | 518 | 276 | 361 |
| Tk..88/TRF58 | MY63.. | 132 | 401 | 456 | 185 | 240 |
| | MY71D | 145 | 415 | 479 | 199 | 263 |
| | MY80.. | 145 | 465 | 529 | 249 | 313 |
| | MY90.. | 197 | 485 | 570 | 269 | 354 |
| | MY100M | 197 | 535 | 620 | 319 | 404 |
| | MY100L | 197 | 565 | 650 | 349 | 434 |
| TK..98/TRF58 | MY63.. | 132 | 396 | 451 | 185 | 240 |
| | MY71D | 145 | 410 | 474 | 199 | 263 |
| | MY80.. | 145 | 460 | 524 | 249 | 313 |
| | MY90.. | 197 | 480 | 565 | 269 | 354 |
| | MY100M | 197 | 530 | 615 | 319 | 404 |
| | MY100L | 197 | 560 | 645 | 349 | 434 |
| | MY112M | 221 | 565 | 645 | 354 | 434 |
| TK..108/TRF78 | MY63.. | 132 | 426 | 481 | 179 | 234 |
| | MY71D | 145 | 440 | 504 | 193 | 257 |
| | MY80.. | 145 | 490 | 554 | 243 | 307 |
| | MY90.. | 197 | 508 | 593 | 261 | 346 |
| | MY100M | 197 | 558 | 643 | 311 | 396 |
| | MY100L | 197 | 588 | 673 | 341 | 426 |
| | MY112M | 221 | 592 | 672 | 345 | 425 |
| | MY132S | 221 | 637 | 717 | 390 | 470 |
| | MY132M | 275 | 659 | 771 | 412 | 524 |
| | MY132ML | 275 | 719 | 831 | 472 | 584 |
| | MY160M | 275 | 719 | 831 | 472 | 584 |

| TK../TRF.. | MY.. | AC | L | L1 | B | B1 |
|---|---|---|---|---|---|---|
| TK..128/TRF78 | MY63.. | 132 | 411 | 466 | 179 | 234 |
| | MY71D | 145 | 425 | 489 | 193 | 257 |
| | MY80.. | 145 | 475 | 539 | 243 | 307 |
| | MY90.. | 197 | 493 | 578 | 261 | 346 |
| | MY100M | 197 | 543 | 628 | 311 | 396 |
| | MY100L | 197 | 573 | 658 | 341 | 426 |
| | MY112M | 221 | 577 | 657 | 345 | 425 |
| | MY132S | 221 | 622 | 702 | 390 | 470 |
| | MY132M | 275 | 644 | 756 | 412 | 524 |
| | MY132ML | 275 | 704 | 816 | 472 | 584 |
| | MY160M | 275 | 704 | 816 | 472 | 584 |
| TK..128/TRF88 | MY90.. | 197 | 537 | 622 | 257 | 342 |
| | MY100M | 197 | 587 | 672 | 307 | 392 |
| | MY100L | 197 | 617 | 702 | 337 | 422 |
| | MY112M | 221 | 620 | 700 | 340 | 420 |
| | MY132S | 221 | 665 | 745 | 385 | 465 |
| | MY132M | 275 | 687 | 799 | 407 | 519 |
| | MY132ML | 275 | 747 | 859 | 467 | 579 |
| | MY160M | 275 | 747 | 859 | 467 | 579 |
| | MY160L | 331 | 794 | 950 | 514 | 670 |
| | MY180.. | 331 | 866 | 1022 | 586 | 742 |
| TK..158/TRF98<br>TK168/TRF98<br>TKH168B/TRF98<br>TK188/TRF98<br>TKH188B/TRF98 | MY80.. | 145 | 556 | 620 | 231 | 295 |
| | MY90.. | 197 | 576 | 661 | 251 | 336 |
| | MY100M | 197 | 626 | 711 | 301 | 386 |
| | MY100L | 197 | 656 | 741 | 331 | 416 |
| | MY112M | 221 | 660 | 740 | 335 | 415 |
| | MY132S | 221 | 705 | 785 | 380 | 460 |
| | MY132M | 275 | 727 | 839 | 402 | 514 |
| | MY132ML | 275 | 787 | 899 | 462 | 574 |
| | MY160M | 275 | 787 | 899 | 462 | 574 |
| | MY160L | 331 | 834 | 990 | 509 | 665 |
| | MY180.. | 331 | 906 | 1062 | 581 | 737 |
| | MY200.. | 394 | 954 | 1110 | 629 | 785 |
| TK..158/TRF108<br>TK168/TRF108<br>TKH168B/TRF108<br>TK188/TR1F08<br>TKH188B/TRF108 | MY100M | 197 | 677 | 762 | 295 | 380 |
| | MY100L | 197 | 707 | 792 | 325 | 410 |
| | MY112M | 221 | 711 | 791 | 329 | 409 |
| | MY132S | 221 | 756 | 836 | 374 | 454 |
| | MY132M | 275 | 778 | 890 | 396 | 508 |
| | MY132ML | 275 | 838 | 950 | 456 | 568 |
| | MY160M | 275 | 838 | 950 | 456 | 568 |
| | MY160L | 331 | 885 | 1041 | 503 | 659 |
| | MY180.. | 331 | 957 | 1113 | 575 | 731 |
| | MY200.. | 394 | 1005 | 1161 | 623 | 779 |
| | MY225.. | 394 | 1087 | 1243 | 705 | 861 |

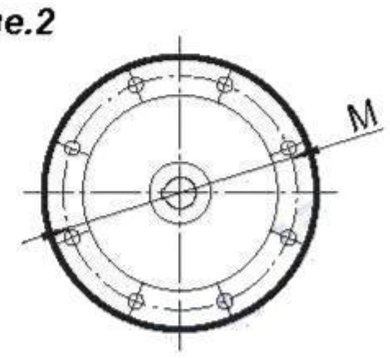
### 5.4.3 TK..AM(IEC).. Outline Dimension

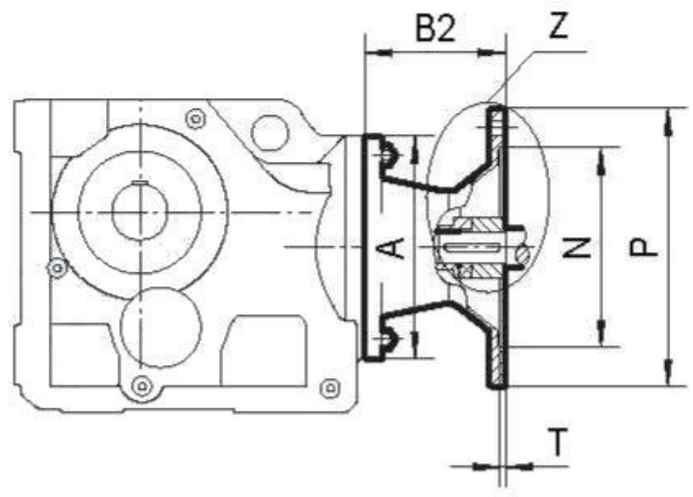
## TK..IAM(IEC)..

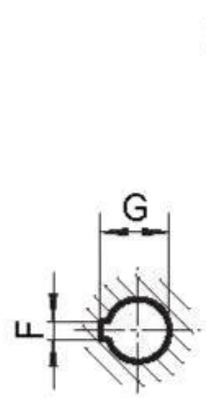
*Flange.1*

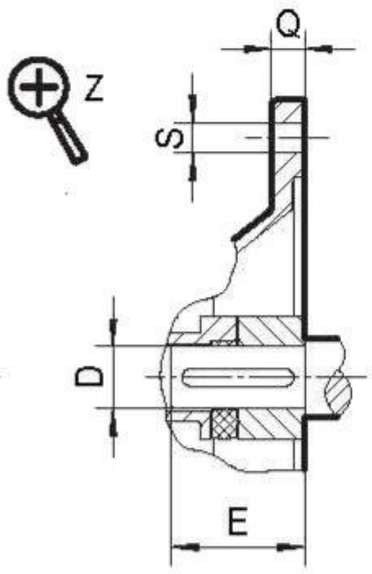



*Flange.2*



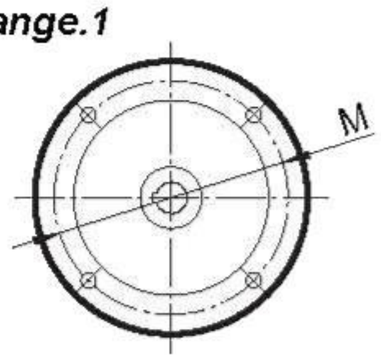

| TK.. | AM.. | Flange. | A | B2 | D | E | F | G | M | N | P | Q | S | T |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TK..38 | AM63 | 1 | 120 | 72 | 11 | 23 | 4 | 12.8 | 115 | 95 | 140 | 10 | 4-Φ 9 | 3.5 |
| | AM71 1) | | | | 14 | 30 | 5 | 16.3 | 130 | 110 | 160 | | | |
| | AM80 1) | | | 106 | 19 | 40 | 6 | 21.8 | 165 | 130 | 200 | 12 | 4-Φ 11 | 4.5 |
| | AM90 1) | | | | 24 | 50 | 8 | 27.3 | | | | | | |
| Tk..48 2) Tk..58 TK..68 | AM63 | 1 | 160 | 66 | 11 | 23 | 4 | 12.8 | 115 | 95 | 140 | 10 | 4-Φ 9 | 3.5 |
| | AM71 | | | | 14 | 30 | 5 | 16.3 | 130 | 110 | 160 | | | |
| | AM80 | | | 99 | 19 | 40 | 6 | 21.8 | 165 | 130 | 200 | 12 | 4-Φ 11 | 4.5 |
| | AM90 | | | | 24 | 50 | 8 | 27.3 | | | | | | |
| | AM100 1) | | | 134 | 28 | 60 | 8 | 31.3 | 215 | 180 | 250 | 15 | 4-Φ13.5 | 5 |
| | AM112 1) | | | | | | | | | | | | | |
| | AM132S/M 1) | | | 191 | 38 | 80 | 10 | 41.3 | 265 | 230 | 300 | 16 | | |
| TK..78 | AM63 | 1 | 200 | 60 | 11 | 23 | 4 | 12.8 | 115 | 95 | 140 | 10 | 4-Φ 9 | 3.5 |
| | AM71 | | | | 14 | 30 | 5 | 16.3 | 130 | 110 | 160 | | | |
| | AM80 | | | 92 | 19 | 40 | 6 | 21.8 | 165 | 130 | 200 | 12 | 4-Φ 11 | 4.5 |
| | AM90 | | | | 24 | 50 | 8 | 27.3 | | | | | | |
| | AM100 1) | | | 126 | 28 | 60 | 8 | 31.3 | 215 | 180 | 250 | 15 | 4-Φ13.5 | 5 |
| | AM112 1) | | | | | | | | | | | | | |
| | AM132S/M 1) | | | 179 | 38 | 80 | 10 | 41.3 | 265 | 230 | 300 | 16 | | |
| | AM132ML 1) | | | | | | | | | | | | | |
| TK..88 | AM80 | 1 | 250 | 87 | 19 | 40 | 6 | 21.8 | 165 | 130 | 200 | 12 | 4-Φ 11 | 4.5 |
| | AM90 | | | | 24 | 50 | 8 | 27.3 | | | | | | |
| | AM100 | | | 121 | 28 | 60 | 8 | 31.3 | 215 | 180 | 250 | 15 | 4-Φ13.5 | 5 |
| | AM112 | | | | | | | | | | | | | |
| | AM132S/M | | | 174 | 38 | 80 | 10 | 41.3 | 265 | 230 | 300 | 16 | | |
| | AM132ML | | | | | | | | | | | | | |
| | AM160 1) | | | 232 | 42 | 110 | 12 | 45.3 | 300 | 250 | 350 | 18 | 4-Φ 17.5 | 6 |
| | AM180 1) | | | | 48 | | 14 | 51.8 | | | | | | |

1) Dimension P/2 may protrue past foot mounting surface,please check.

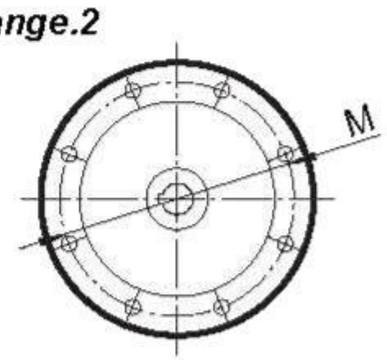
2) not with AM112.

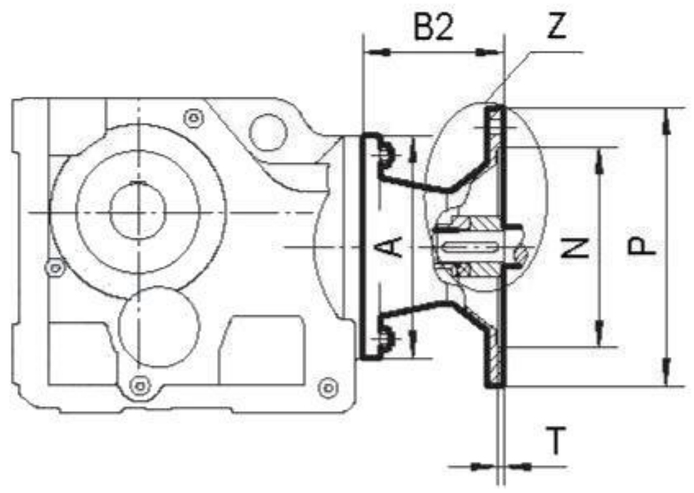
# TK..AM(IEC)..

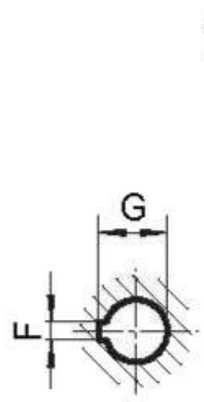
*Flange.1*

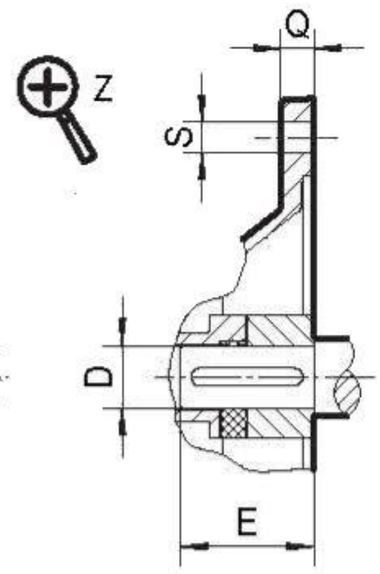



*Flange.2*



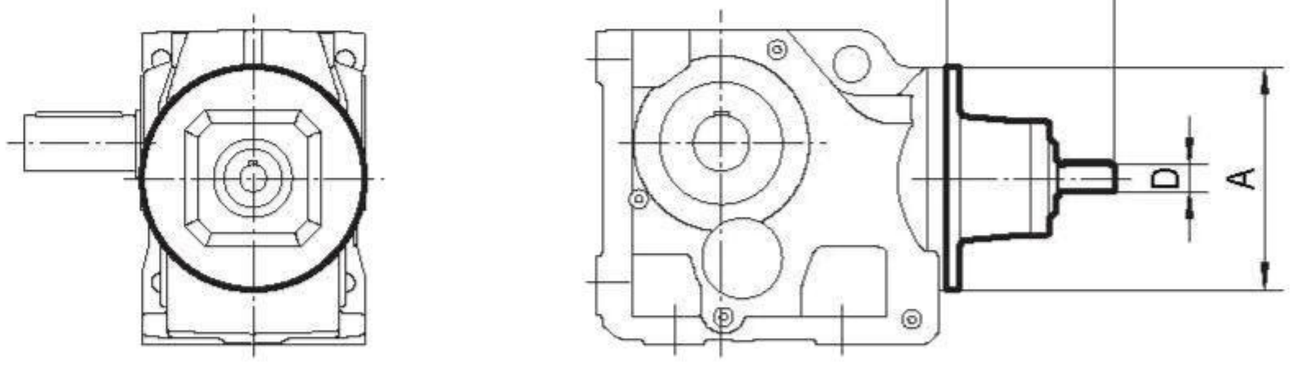



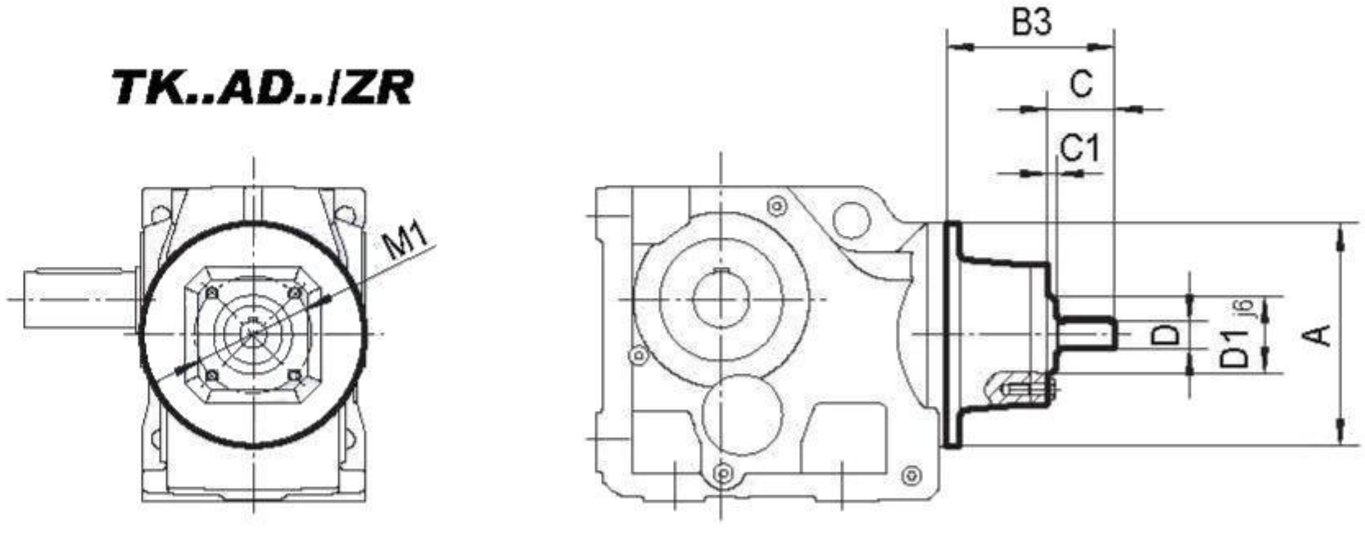

| TK.. | AM.. | Flange. | A | B2 | D | E | F | G | M | N | P | Q | S | T |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TK..98 | AM100 | 1 | 300 | 116 | 28 | 60 | 8 | 31.3 | 215 | 180 | 250 | 15 | 4-Φ13.5 | 5 |
| | AM112 | | | | | | | | | | | | | |
| | AM132S/M | | | 169 | 38 | 80 | 10 | 41.3 | 265 | 230 | 300 | 16 | | |
| | AM132ML | | | | | | | | | | | | | |
| | AM160 | | | 227 | 42 | 110 | 12 | 45.3 | 300 | 250 | 350 | 18 | 4-Φ17.5 | 6 |
| | AM180 | | | | 48 | | 14 | 51.8 | | | | | | |
| | AM200 | | | 268 | 55 | | 16 | 59.3 | 350 | 300 | 400 | 20 | | 7 |
| TK..108 | AM100 | 1 | 350 | 110 | 28 | 60 | 8 | 31.3 | 215 | 180 | 250 | 15 | 4-Φ13.5 | 5 |
| | AM112 | | | | | | | | | | | | | |
| | AM132S/M | | | 163 | 38 | 80 | 10 | 41.3 | 265 | 230 | 300 | 16 | | |
| | AM132ML | | | | | | | | | | | | | |
| | AM160 | | | 221 | 42 | 110 | 12 | 45.3 | 300 | 250 | 350 | 18 | 4-Φ17.5 | 6 |
| | AM180 | | | | 48 | | 14 | 51.8 | | | | | | |
| | AM200 | | | 262 | 55 | | 16 | 59.3 | 350 | 300 | 400 | 20 | | 7 |
| | AM225 | 2 | | 277 | 60 | 140 | 18 | 64.4 | 400 | 350 | 450 | 22 | 8-Φ17.5 | |
| TK..128 | AM132S/M | 1 | 450 | 148 | 38 | 80 | 10 | 41.3 | 265 | 230 | 300 | 16 | 4-Φ13.5 | 5 |
| | AM132ML | | | | | | | | | | | | | |
| | AM160 | | | 206 | 42 | 110 | 12 | 45.3 | 300 | 250 | 350 | 18 | 4-Φ17.5 | 6 |
| | AM180 | | | | 48 | | 14 | 51.8 | | | | | | |
| | AM200 | | | 247 | 55 | | 16 | 59.3 | 350 | 300 | 400 | 20 | | 7 |
| | AM225 | 2 | | 262 | 60 | 140 | 18 | 64.4 | 400 | 350 | 450 | 22 | 8-Φ17.5 | |
| | AM250 | | | 336 | 65 | | | 69.4 | 500 | 450 | 550 | 25 | | |
| | AM280 | | | | 75 | | 20 | 79.9 | | | | | | |
| TK..158<br>TK..168<br>TK..188 | AM160 | 1 | 550 | 198 | 42 | 110 | 12 | 45.3 | 300 | 250 | 350 | 18 | 4-Φ17.5 | 6 |
| | AM180 | | | | 48 | | 14 | 51.8 | | | | | | |
| | AM200 | | | 239 | 55 | | 16 | 59.3 | 350 | 300 | 400 | 20 | | 7 |
| | AM225 | 2 | | 254 | 60 | 140 | 18 | 64.4 | 400 | 350 | 450 | 22 | 8-Φ17.5 | |
| | AM250 | | | 328 | 65 | | | 69.4 | 500 | 450 | 550 | 25 | | |
| | AM280 | | | | 75 | | 20 | 79.9 | | | | | | |

## *5.4.4 TK..AD.. Outline Dimension*

**TK..AD..**




**TK..AD../ZR**




| TK.. | AD.. | A | B3 | C | C1 | C2 | D | D1 | F | G | L2 | L3 | L4 | L5 | M1 | S1 | S2 | S3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TK..38 | AD1 | 120 | 102 | - | - | - | 16 | - | 5 | 18 | 40 | 4 | 32 | - | - | M5X12.5 | - | - |
| | AD2,AD2/ZR | | 130 | 50 | 8 | 13.5 | 19 | 55 | 6 | 21.5 | 40 | 4 | 32 | 12 | 80 | M6X16 | M8 | 9 |
| TK..48<br>TK..58<br>TK..68 | AD2,AD2/ZR | 160 | 123 | 50 | 8 | 13.5 | 19 | 55 | 6 | 21.5 | 40 | 4 | 32 | 12 | 80 | M6X16 | M8 | 9 |
| | AD3,AD3/ZR | | 159 | 60 | 8 | 15.5 | 24 | 70 | 8 | 27 | 50 | 5 | 40 | 16 | 105 | M8X19 | M10 | 11 |
| TK..78 | AD2,AD2/ZR | 200 | 116 | 50 | 8 | 13.5 | 19 | 55 | 6 | 21.5 | 40 | 4 | 32 | 12 | 80 | M6X16 | M8 | 9 |
| | AD3,AD3/ZR | | 151 | 60 | 8 | 15.5 | 24 | 70 | 8 | 27 | 50 | 5 | 40 | 16 | 105 | M8X19 | M10 | 11 |
| | AD4,AD4/ZR | | 224 | 95.5 | 13 | 16 | 38 | 100 | 10 | 41 | 80 | 5 | 70 | 20 | 130 | M12X28 | M12 | 13.5 |
| TK..88 | AD2,AD2/ZR | 250 | 111 | 50 | 8 | 13.5 | 19 | 55 | 6 | 21.5 | 40 | 4 | 32 | 12 | 80 | M6X16 | M8 | 9 |
| | AD3,AD3/ZR | | 156 | 70 | 8 | 15.5 | 28 | 70 | 8 | 31 | 60 | 5 | 50 | 16 | 105 | M8X19 | M10 | 11 |
| | AD4,AD4/ZR | | 219 | 95.5 | 13 | 16 | 38 | 100 | 10 | 41 | 80 | 5 | 70 | 20 | 130 | M12X28 | M12 | 13.5 |
| | AD5, AD5/ZR | | 292 | 126 | 11 | 24 | 42 | 120 | 12 | 45 | 110 | 10 | 70 | 20 | 180 | M16X36 | M12 | 13.5 |
| TK..98 | AD3,AD3/ZR | 300 | 151 | 70 | 8 | 15.5 | 28 | 70 | 8 | 31 | 60 | 5 | 50 | 16 | 105 | M8X19 | M10 | 11 |
| | AD4,AD4/ZR | | 214 | 95.5 | 13 | 16 | 38 | 100 | 10 | 41 | 80 | 5 | 70 | 20 | 130 | M12X28 | M12 | 13.5 |
| | AD5,AD5/ZR | | 287 | 126 | 11 | 24 | 42 | 120 | 12 | 45 | 110 | 10 | 70 | 20 | 180 | M16X36 | M12 | 13.5 |
| | AD6,AD6/ZR | | 327 | 130.5 | 11 | 22.5 | 48 | 130 | 14 | 51.5 | 110 | 10 | 80 | 26 | 200 | M16X36 | M16 | 17.5 |
| TK..108 | AD3,AD3/ZR | 350 | 145 | 70 | 8 | 15.5 | 28 | 70 | 8 | 31 | 60 | 5 | 50 | 16 | 105 | M8X19 | M10 | 11 |
| | AD4,AD4/ZR | | 208 | 95.5 | 13 | 16 | 38 | 100 | 10 | 41 | 80 | 5 | 70 | 20 | 130 | M12X28 | M12 | 13.5 |
| | AD5,AD5/ZR | | 281 | 126 | 11 | 24 | 42 | 120 | 12 | 45 | 110 | 10 | 70 | 20 | 180 | M16X36 | M12 | 13.5 |
| | AD6,AD6/ZR | | 321 | 130.5 | 11 | 22.5 | 48 | 130 | 14 | 51.5 | 110 | 10 | 80 | 26 | 200 | M16X36 | M16 | 17.5 |
| TK..128 | AD4,AD4/ZR | 450 | 193 | 95.5 | 13 | 16 | 38 | 100 | 10 | 41 | 80 | 5 | 70 | 20 | 130 | M12X28 | M12 | 13.5 |
| | AD5,AD5/ZR | | 266 | 126 | 11 | 24 | 42 | 120 | 12 | 45 | 110 | 10 | 70 | 20 | 180 | M16X36 | M12 | 13.5 |
| | AD6,AD6/ZR | | 306 | 130.5 | 11 | 22.5 | 48 | 130 | 14 | 51.5 | 110 | 10 | 80 | 26 | 200 | M16X36 | M16 | 17.5 |
| | AD7,AD7/ZR | | 300 | 133 | 13 | 19 | 55 | 125 | 16 | 59 | 110 | 10 | 90 | 30 | 190 | M20X42 | M20 | 22 |
| | AD8,AD8/ZR | | 383 | 155 | 5 | 22.5 | 70 | 120 | 20 | 74.5 | 140 | 15 | 110 | 19.5 | 210 | M20X42 | M12 | 13.5 |
| TK..158<br>TK..168<br>TK..188 | AD5,AD5/ZR | 550 | 258 | 126 | 11 | 24 | 42 | 120 | 12 | 45 | 110 | 10 | 70 | 20 | 180 | M16X36 | M12 | 13.5 |
| | AD6,AD6/ZR | | 298 | 130.5 | 11 | 22.5 | 48 | 130 | 14 | 51.5 | 110 | 10 | 80 | 26 | 200 | M16X36 | M16 | 17.5 |
| | AD7,AD7/ZR | | 292 | 133 | 13 | 19 | 55 | 125 | 16 | 59 | 110 | 10 | 90 | 30 | 190 | M20X42 | M20 | 22 |
| | AD8,AD8/ZR | | 374 | 155 | 5 | 22.5 | 70 | 120 | 20 | 74.5 | 140 | 15 | 110 | 19.5 | 210 | M20X42 | M12 | 13.5 |