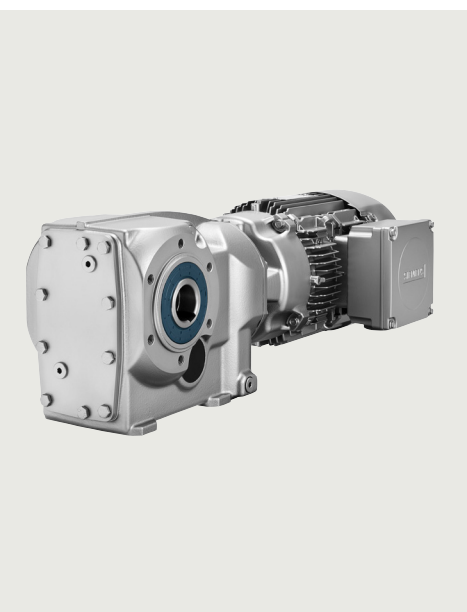


Bevel geared motors



| | |
|---------------------|---|
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| 5/58 5/58 | Transmission ratios and torques for very low speeds Selection and ordering data |
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SIMOGEAR geared motors

Bevel geared motors

Orientation

Bevel geared motors 2-stage

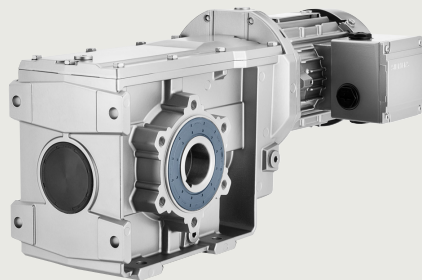


Bild 5/1 Bevel geared motor B

| Designs | Mounting | Frame sizes | Maximum output torque T_{2N} Nm | Transmission ratio i – | Maximum motor power ¹⁾ P_1 kW | Supported motors |
|---|---|-------------|---|--------------------------------|--|---|
| <ul style="list-style-type: none"> • Foot-mounted design • Flange-mounted design with or without VLplus reinforced bearing systems • Design with integrated housing flange • Shaft-mounted design | <ul style="list-style-type: none"> • Hollow shaft design with feather key • Hollow shaft design with shrink disk • Hollow shaft design with SIMOLOC assembly system • Solid shaft design with and without feather key | B19 ... B49 | 50 ... 450 | 3,5 ... 59 | 7,5 | <ul style="list-style-type: none"> • Converter World Motor • Induction motors • Synchronous reluctance motors • VSD10 line motors • Explosion-protected motors |

Bevel geared motors 3-stage

Bevel tandem geared motors 5- or 6-stage for especially low output speeds

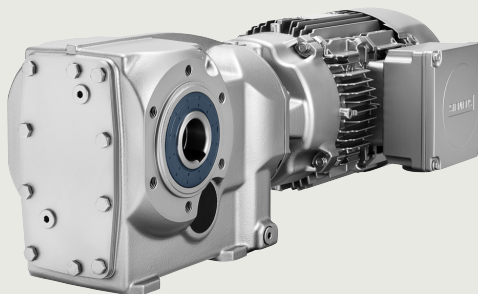


Bild 5/2 Bevel geared motor K

| Designs | Mounting | Frame sizes | Maximum output torque T_{2N} Nm | Transmission ratio i – | Maximum motor power ¹⁾ P_1 kW | Supported motors |
|--|---|----------------------|---|--------------------------------|--|---|
| <ul style="list-style-type: none"> • Foot-mounted design • Flange-mounted design with or without VLplus reinforced bearing systems • Design with integrated housing flange • Shaft-mounted design • Tandem geared motor | <ul style="list-style-type: none"> • Hollow shaft design with feather key • Hollow shaft design with splined shaft • Hollow shaft design with shrink disk • Hollow shaft design with SIMOLOC assembly system • Solid shaft design with and without feather key | K39 ... K189 | 150 ... 19500 | 5.17 ... 244 | 55 | <ul style="list-style-type: none"> • Converter World Motor • Induction motors • Synchronous reluctance motors • VSD10 line motors • Explosion-protected motors |
| | | K39-Z19 ... K189-D69 | 220 ... 19500 | 170 ... 14900 | 7.5 | |

¹⁾ With 4-pole motor up to 55 kW for a 50 Hz line frequency in integral type of construction. An adapter must be mounted for a motor power > 55 kW.

Selection and ordering data

| P_N | n_2 | T_2 | i | F_{R2} | f_B | m | Article No. | Additional identification code -Z with order code |
|-------------|----------------------|-------|--------|----------|-------|----------------------------|-------------------------------------|---|
| kW | rpm | Nm | - | N | - | kg | (Article No. supplement, see below) | No. of poles |
| 0.09 | K.39-LE63MEB6 | | | | | | | |
| | 5.7 | 151 | 157.32 | 6330 | 1.5 | 15 | 2KJ3504- ■ BD21- ■ ■ J2 -Z | P01 |
| | 6.4 | 134 | 139.54 | 6400 | 1.6 | 15 | 2KJ3504- ■ BD21- ■ ■ H2 -Z | P01 |
| | 7.4 | 116 | 121.07 | 6460 | 1.9 | 15 | 2KJ3504- ■ BD21- ■ ■ G2 -Z | P01 |
| | 8.1 | 106 | 110.06 | 6500 | 2.1 | 15 | 2KJ3504- ■ BD21- ■ ■ F2 -Z | P01 |
| | B.29-LE63MEB6 | | | | | | | |
| | 19 | 45 | 46.85 | 4200 | 2.4 | 9 | 2KJ3501- ■ BD21- ■ ■ B2 -Z | P01 |
| | 22 | 40 | 41.56 | 4200 | 2.8 | 9 | 2KJ3501- ■ BD21- ■ ■ A2 -Z | P01 |
| | 25 | 35 | 36.06 | 4200 | 3.2 | 9 | 2KJ3501- ■ BD21- ■ ■ X1 -Z | P01 |
| | 27 | 32 | 32.78 | 4200 | 3.5 | 9 | 2KJ3501- ■ BD21- ■ ■ W1 -Z | P01 |
| | B.29-LE63MCA4 | | | | | | | |
| | 30 | 29 | 46.85 | 4200 | 3.9 | 9 | 2KJ3501- ■ BB21- ■ ■ B2 -Z | - |
| | 34 | 25 | 41.56 | 4200 | 4.3 | 9 | 2KJ3501- ■ BB21- ■ ■ A2 -Z | - |
| | 39 | 22 | 36.06 | 4200 | 5 | 9 | 2KJ3501- ■ BB21- ■ ■ X1 -Z | - |
| | 43 | 20 | 32.78 | 4200 | 5.5 | 9 | 2KJ3501- ■ BB21- ■ ■ W1 -Z | - |
| | 50 | 17 | 28.11 | 4200 | 6.4 | 9 | 2KJ3501- ■ BB21- ■ ■ V1 -Z | - |
| | 55 | 16 | 25.56 | 4200 | 7.1 | 9 | 2KJ3501- ■ BB21- ■ ■ U1 -Z | - |
| | 63 | 14 | 22.41 | 4200 | 8.1 | 9 | 2KJ3501- ■ BB21- ■ ■ T1 -Z | - |
| | 70 | 12 | 20.00 | 4200 | 9 | 9 | 2KJ3501- ■ BB21- ■ ■ S1 -Z | - |
| | 79 | 11 | 17.82 | 4200 | 10 | 9 | 2KJ3501- ■ BB21- ■ ■ R1 -Z | - |
| | 86 | 10 | 16.45 | 4200 | 11 | 9 | 2KJ3501- ■ BB21- ■ ■ Q1 -Z | - |
| | 98 | 8.8 | 14.40 | 4200 | 12 | 9 | 2KJ3501- ■ BB21- ■ ■ P1 -Z | - |
| | 112 | 7.7 | 12.63 | 4200 | 14 | 9 | 2KJ3501- ■ BB21- ■ ■ N1 -Z | - |
| | B.19-LE63MEB6 | | | | | | | |
| | 21 | 40 | 42.10 | 1910 | 1.2 | 8 | 2KJ3500- ■ BD21- ■ ■ A2 -Z | P01 |
| | 24 | 36 | 37.28 | 1910 | 1.4 | 8 | 2KJ3500- ■ BD21- ■ ■ X1 -Z | P01 |
| | 28 | 31 | 32.39 | 1910 | 1.6 | 8 | 2KJ3500- ■ BD21- ■ ■ W1 -Z | P01 |
| | 30 | 28 | 29.44 | 1910 | 1.8 | 8 | 2KJ3500- ■ BD21- ■ ■ V1 -Z | P01 |
| | B.19-LE63MCA4 | | | | | | | |
| | 33 | 26 | 42.10 | 1910 | 1.9 | 8 | 2KJ3500- ■ BB21- ■ ■ A2 -Z | - |
| | 38 | 23 | 37.28 | 1910 | 2.2 | 8 | 2KJ3500- ■ BB21- ■ ■ X1 -Z | - |
| | 44 | 20 | 32.39 | 1910 | 2.5 | 8 | 2KJ3500- ■ BB21- ■ ■ W1 -Z | - |
| | 48 | 18 | 29.44 | 1910 | 2.8 | 8 | 2KJ3500- ■ BB21- ■ ■ V1 -Z | - |
| | 56 | 15 | 25.06 | 1910 | 3.3 | 8 | 2KJ3500- ■ BB21- ■ ■ U1 -Z | - |
| | 62 | 14 | 22.78 | 1910 | 3.6 | 8 | 2KJ3500- ■ BB21- ■ ■ T1 -Z | - |
| | 71 | 12 | 19.86 | 1910 | 4.1 | 8 | 2KJ3500- ■ BB21- ■ ■ S1 -Z | - |
| | 79 | 11 | 17.78 | 1910 | 4.6 | 8 | 2KJ3500- ■ BB21- ■ ■ R1 -Z | - |
| | 89 | 9.6 | 15.79 | 1910 | 5.2 | 8 | 2KJ3500- ■ BB21- ■ ■ Q1 -Z | - |
| | 97 | 8.9 | 14.57 | 1910 | 5.6 | 8 | 2KJ3500- ■ BB21- ■ ■ P1 -Z | - |
| 111 | 7.7 | 12.66 | 1910 | 6.5 | 8 | 2KJ3500- ■ BB21- ■ ■ N1 -Z | - | |
| 128 | 6.7 | 11.00 | 1910 | 7.5 | 8 | 2KJ3500- ■ BB21- ■ ■ M1 -Z | - | |
| 142 | 6.1 | 9.93 | 1910 | 8.3 | 8 | 2KJ3500- ■ BB21- ■ ■ L1 -Z | - | |
| 151 | 5.7 | 9.35 | 1910 | 8.8 | 8 | 2KJ3500- ■ BB21- ■ ■ K1 -Z | - | |
| 173 | 5 | 8.15 | 1910 | 9.5 | 8 | 2KJ3500- ■ BB21- ■ ■ J1 -Z | - | |
| 179 | 4.8 | 7.87 | 1910 | 7.9 | 8 | 2KJ3500- ■ BB21- ■ ■ H1 -Z | - | |
| 202 | 4.3 | 6.99 | 1910 | 8.9 | 8 | 2KJ3500- ■ BB21- ■ ■ G1 -Z | - | |
| 219 | 3.9 | 6.45 | 1910 | 9.9 | 8 | 2KJ3500- ■ BB21- ■ ■ F1 -Z | - | |
| 251 | 3.4 | 5.61 | 1910 | 11 | 8 | 2KJ3500- ■ BB21- ■ ■ E1 -Z | - | |
| 290 | 3 | 4.87 | 1910 | 12 | 8 | 2KJ3500- ■ BB21- ■ ■ D1 -Z | - | |
| 320 | 2.7 | 4.40 | 1910 | 13 | 8 | 2KJ3500- ■ BB21- ■ ■ C1 -Z | - | |
| 341 | 2.5 | 4.14 | 1910 | 13 | 8 | 2KJ3500- ■ BB21- ■ ■ B1 -Z | - | |
| 391 | 2.2 | 3.61 | 1910 | 14 | 8 | 2KJ3500- ■ BB21- ■ ■ A1 -Z | - | |

Article No. supplement

| | | |
|-----------------------|------------------------|--------------------------------|
| Shaft design | 1 or 9 | see page 10/51 |
| Frequency and voltage | 2 or 9 | see page 11/2 |
| Gearbox mounting type | A, F, H, C or D | see page 10/42 |

SIMOGEAR geared motors

Bevel geared motors

Geared motors up to 55 kW

Selection and ordering data

| P_N kW | n_2 rpm | T_2 Nm | i – | F_{R2} N | f_B – | m kg | Article No. (Article No. supplement, see below) | Additional identification code -Z with order code No. of poles |
|-----------------------|-----------------------|-------------|----------|---------------|------------|--------------------------------|--|--|
| 0.12 | K.39-LE63ZMH4P | | | | | | | |
| | 8.8 | 130 | 157.32 | 6410 | 1.7 | 17 | 2KJ3504- ■ BD23- ■ ■ J2 -Z - | |
| | 10 | 115 | 139.54 | 6470 | 1.9 | 17 | 2KJ3504- ■ BD23- ■ ■ H2 -Z - | |
| | 11 | 100 | 121.07 | 6520 | 2.2 | 17 | 2KJ3504- ■ BD23- ■ ■ G2 -Z - | |
| | B.29-LE63ZMH4P | | | | | | | |
| | 30 | 39 | 46.85 | 4200 | 2.8 | 11 | 2KJ3501- ■ BD23- ■ ■ B2 -Z - | |
| | 33 | 34 | 41.56 | 4200 | 3.2 | 11 | 2KJ3501- ■ BD23- ■ ■ A2 -Z - | |
| | 39 | 30 | 36.06 | 4200 | 3.7 | 11 | 2KJ3501- ■ BD23- ■ ■ X1 -Z - | |
| | 42 | 27 | 32.78 | 4200 | 4.1 | 11 | 2KJ3501- ■ BD23- ■ ■ W1 -Z - | |
| | 49 | 23 | 28.11 | 4200 | 4.7 | 11 | 2KJ3501- ■ BD23- ■ ■ V1 -Z - | |
| | 54 | 21 | 25.56 | 4200 | 5.2 | 11 | 2KJ3501- ■ BD23- ■ ■ U1 -Z - | |
| | 62 | 18 | 22.41 | 4200 | 6 | 11 | 2KJ3501- ■ BD23- ■ ■ T1 -Z - | |
| | 70 | 16 | 20.00 | 4200 | 6.7 | 11 | 2KJ3501- ■ BD23- ■ ■ S1 -Z - | |
| | 78 | 15 | 17.82 | 4200 | 7.5 | 11 | 2KJ3501- ■ BD23- ■ ■ R1 -Z - | |
| | 84 | 14 | 16.45 | 4200 | 8.1 | 11 | 2KJ3501- ■ BD23- ■ ■ Q1 -Z - | |
| | 97 | 12 | 14.40 | 4200 | 9.3 | 11 | 2KJ3501- ■ BD23- ■ ■ P1 -Z - | |
| | 110 | 10 | 12.63 | 4200 | 11 | 11 | 2KJ3501- ■ BD23- ■ ■ N1 -Z - | |
| | 121 | 9.4 | 11.46 | 4200 | 12 | 11 | 2KJ3501- ■ BD23- ■ ■ M1 -Z - | |
| | 129 | 8.9 | 10.78 | 4200 | 12 | 11 | 2KJ3501- ■ BD23- ■ ■ L1 -Z - | |
| 146 | 7.8 | 9.51 | 4200 | 14 | 11 | 2KJ3501- ■ BD23- ■ ■ K1 -Z - | | |
| 177 | 6.5 | 7.84 | 4110 | 12 | 11 | 2KJ3501- ■ BD23- ■ ■ H1 -Z - | | |
| 188 | 6.1 | 7.38 | 4030 | 12 | 11 | 2KJ3501- ■ BD23- ■ ■ G1 -Z - | | |
| 214 | 5.4 | 6.51 | 3870 | 14 | 11 | 2KJ3501- ■ BD23- ■ ■ F1 -Z - | | |
| B.19-LE63ZMH4P | | | | | | | | |
| 33 | 35 | 42.10 | 1910 | 1.4 | 10 | 2KJ3500- ■ BD23- ■ ■ A2 -Z - | | |
| 37 | 31 | 37.28 | 1910 | 1.6 | 10 | 2KJ3500- ■ BD23- ■ ■ X1 -Z - | | |
| 43 | 27 | 32.39 | 1910 | 1.9 | 10 | 2KJ3500- ■ BD23- ■ ■ W1 -Z - | | |
| 47 | 24 | 29.44 | 1910 | 2.1 | 10 | 2KJ3500- ■ BD23- ■ ■ V1 -Z - | | |
| 55 | 21 | 25.06 | 1910 | 2.4 | 10 | 2KJ3500- ■ BD23- ■ ■ U1 -Z - | | |
| 61 | 19 | 22.78 | 1910 | 2.7 | 10 | 2KJ3500- ■ BD23- ■ ■ T1 -Z - | | |
| 70 | 16 | 19.86 | 1910 | 3.1 | 10 | 2KJ3500- ■ BD23- ■ ■ S1 -Z - | | |
| 78 | 15 | 17.78 | 1910 | 3.4 | 10 | 2KJ3500- ■ BD23- ■ ■ R1 -Z - | | |
| 88 | 13 | 15.79 | 1910 | 3.8 | 10 | 2KJ3500- ■ BD23- ■ ■ Q1 -Z - | | |
| 95 | 12 | 14.57 | 1910 | 4.2 | 10 | 2KJ3500- ■ BD23- ■ ■ P1 -Z - | | |
| 110 | 10 | 12.66 | 1910 | 4.8 | 10 | 2KJ3500- ■ BD23- ■ ■ N1 -Z - | | |
| 126 | 9.1 | 11.00 | 1910 | 5.5 | 10 | 2KJ3500- ■ BD23- ■ ■ M1 -Z - | | |
| 140 | 8.2 | 9.93 | 1910 | 6.1 | 10 | 2KJ3500- ■ BD23- ■ ■ L1 -Z - | | |
| 149 | 7.7 | 9.35 | 1910 | 6.5 | 10 | 2KJ3500- ■ BD23- ■ ■ K1 -Z - | | |
| 171 | 6.7 | 8.15 | 1910 | 7 | 10 | 2KJ3500- ■ BD23- ■ ■ J1 -Z - | | |
| 177 | 6.5 | 7.87 | 1910 | 5.9 | 10 | 2KJ3500- ■ BD23- ■ ■ H1 -Z - | | |
| 199 | 5.8 | 6.99 | 1910 | 6.6 | 10 | 2KJ3500- ■ BD23- ■ ■ G1 -Z - | | |
| 216 | 5.3 | 6.45 | 1910 | 7.3 | 10 | 2KJ3500- ■ BD23- ■ ■ F1 -Z - | | |
| 248 | 4.6 | 5.61 | 1910 | 8 | 10 | 2KJ3500- ■ BD23- ■ ■ E1 -Z - | | |
| 285 | 4 | 4.87 | 1910 | 8.7 | 10 | 2KJ3500- ■ BD23- ■ ■ D1 -Z - | | |
| 316 | 3.6 | 4.40 | 1910 | 9.4 | 10 | 2KJ3500- ■ BD23- ■ ■ C1 -Z - | | |
| 336 | 3.4 | 4.14 | 1910 | 9.7 | 10 | 2KJ3500- ■ BD23- ■ ■ B1 -Z - | | |
| 385 | 3 | 3.61 | 1910 | 10 | 10 | 2KJ3500- ■ BD23- ■ ■ A1 -Z - | | |
| 0.18 | K.79-LE71ZMK6P | | | | | | | |
| | 3.6 | 480 | 244.25 | 14400 | 1.7 | 36 | 2KJ3508- ■ CC23- ■ ■ J2 -Z P01 | |
| | 3.9 | 435 | 222.05 | 14400 | 1.9 | 36 | 2KJ3508- ■ CC23- ■ ■ H2 -Z P01 | |
| K.69-LE71ZMK6P | | | | | | | | |
| 4.5 | 385 | 196.59 | 11300 | 1.6 | 31 | 2KJ3507- ■ CC23- ■ ■ H2 -Z P01 | | |

Article No. supplement

Shaft design **1 or 9** [see page 10/51](#)Frequency and voltage **2 or 9** [see page 11/2](#)Gearbox mounting type **A, F, H, C or D** [see page 10/42](#)

Selection and ordering data

| P_N kW | n_2 rpm | T_2 Nm | i – | F_{R2} N | f_B – | m kg | Article No. (Article No. supplement, see below) | Additional identification code -Z with order code No. of poles |
|-------------|-----------------------|-------------|----------|---------------|------------|----------------------------|--|--|
| 0.18 | K.69-LE71ZMK6P | | | | | | | |
| | 4.9 | 350 | 178.72 | 11400 | 1.7 | 31 | 2KJ3507- ■ CC23- ■ ■ G2 -Z | P01 |
| | 5.8 | 295 | 152.00 | 11500 | 2 | 31 | 2KJ3507- ■ CC23- ■ ■ F2 -Z | P01 |
| | K.49-LE71ZMK6P | | | | | | | |
| | 4.4 | 390 | 200.25 | 8060 | 1.1 | 24 | 2KJ3505- ■ CC23- ■ ■ J2 -Z | P01 |
| | 4.9 | 350 | 178.06 | 8370 | 1.2 | 24 | 2KJ3505- ■ CC23- ■ ■ H2 -Z | P01 |
| | 5.6 | 305 | 156.34 | 8540 | 1.4 | 24 | 2KJ3505- ■ CC23- ■ ■ G2 -Z | P01 |
| | 6.2 | 275 | 142.13 | 8630 | 1.5 | 24 | 2KJ3505- ■ CC23- ■ ■ F2 -Z | P01 |
| | K.49-LE63ZMK4P | | | | | | | |
| | 6.9 | 245 | 200.25 | 8720 | 1.7 | 24 | 2KJ3505- ■ BE23- ■ ■ J2 -Z | – |
| | 7.8 | 220 | 178.06 | 8790 | 1.9 | 24 | 2KJ3505- ■ BE23- ■ ■ H2 -Z | – |
| | K.39-LE71ZMK6P | | | | | | | |
| | 6.3 | 270 | 139.54 | 5890 | 0.8 | 17 | 2KJ3504- ■ CC23- ■ ■ H2 -Z | P01 |
| | 7.2 | 235 | 121.07 | 6020 | 0.92 | 17 | 2KJ3504- ■ CC23- ■ ■ G2 -Z | P01 |
| | 8 | 215 | 110.06 | 6100 | 1 | 17 | 2KJ3504- ■ CC23- ■ ■ F2 -Z | P01 |
| | K.39-LE63ZMK4P | | | | | | | |
| | 8.8 | 195 | 157.32 | 6170 | 1.1 | 17 | 2KJ3504- ■ BE23- ■ ■ J2 -Z | – |
| | 9.9 | 173 | 139.54 | 6250 | 1.3 | 17 | 2KJ3504- ■ BE23- ■ ■ H2 -Z | – |
| | 11 | 150 | 121.07 | 6340 | 1.5 | 17 | 2KJ3504- ■ BE23- ■ ■ G2 -Z | – |
| | 13 | 137 | 110.06 | 6390 | 1.6 | 17 | 2KJ3504- ■ BE23- ■ ■ F2 -Z | – |
| | 15 | 117 | 94.39 | 6460 | 1.9 | 17 | 2KJ3504- ■ BE23- ■ ■ E2 -Z | – |
| | 16 | 107 | 85.81 | 6500 | 2.1 | 17 | 2KJ3504- ■ BE23- ■ ■ D2 -Z | – |
| | B.39-LE71ZMK6P | | | | | | | |
| | 16 | 111 | 56.36 | 6980 | 2.3 | 16 | 2KJ3502- ■ CC23- ■ ■ A2 -Z | P01 |
| | 17 | 98 | 50.11 | 6980 | 2.1 | 16 | 2KJ3502- ■ CC23- ■ ■ X1 -Z | P01 |
| | B.29-LE71ZMK6P | | | | | | | |
| | 19 | 91 | 46.85 | 4200 | 1.2 | 11 | 2KJ3501- ■ CC23- ■ ■ B2 -Z | P01 |
| | 21 | 81 | 41.56 | 4200 | 1.3 | 11 | 2KJ3501- ■ CC23- ■ ■ A2 -Z | P01 |
| | 24 | 70 | 36.06 | 4200 | 1.6 | 11 | 2KJ3501- ■ CC23- ■ ■ X1 -Z | P01 |
| | 27 | 64 | 32.78 | 4200 | 1.7 | 11 | 2KJ3501- ■ CC23- ■ ■ W1 -Z | P01 |
| | B.29-LE63ZMK4P | | | | | | | |
| | 30 | 58 | 46.85 | 4200 | 1.9 | 11 | 2KJ3501- ■ BE23- ■ ■ B2 -Z | – |
| | 33 | 52 | 41.56 | 4200 | 2.1 | 11 | 2KJ3501- ■ BE23- ■ ■ A2 -Z | – |
| | 38 | 45 | 36.06 | 4200 | 2.5 | 11 | 2KJ3501- ■ BE23- ■ ■ X1 -Z | – |
| | 42 | 41 | 32.78 | 4200 | 2.7 | 11 | 2KJ3501- ■ BE23- ■ ■ W1 -Z | – |
| | 49 | 35 | 28.11 | 4200 | 3.2 | 11 | 2KJ3501- ■ BE23- ■ ■ V1 -Z | – |
| | 54 | 32 | 25.56 | 4200 | 3.5 | 11 | 2KJ3501- ■ BE23- ■ ■ U1 -Z | – |
| | 62 | 28 | 22.41 | 4200 | 4 | 11 | 2KJ3501- ■ BE23- ■ ■ T1 -Z | – |
| | 69 | 25 | 20.00 | 4200 | 4.4 | 11 | 2KJ3501- ■ BE23- ■ ■ S1 -Z | – |
| | 78 | 22 | 17.82 | 4200 | 5 | 11 | 2KJ3501- ■ BE23- ■ ■ R1 -Z | – |
| | 84 | 20 | 16.45 | 4200 | 5.4 | 11 | 2KJ3501- ■ BE23- ■ ■ Q1 -Z | – |
| | 96 | 18 | 14.40 | 4200 | 6.2 | 11 | 2KJ3501- ■ BE23- ■ ■ P1 -Z | – |
| | 110 | 16 | 12.63 | 4200 | 7 | 11 | 2KJ3501- ■ BE23- ■ ■ N1 -Z | – |
| | 121 | 14 | 11.46 | 4200 | 7.7 | 11 | 2KJ3501- ■ BE23- ■ ■ M1 -Z | – |
| | 128 | 13 | 10.78 | 4200 | 8.2 | 11 | 2KJ3501- ■ BE23- ■ ■ L1 -Z | – |
| | 146 | 12 | 9.51 | 4200 | 9.3 | 11 | 2KJ3501- ■ BE23- ■ ■ K1 -Z | – |
| | 168 | 10 | 8.25 | 4160 | 11 | 11 | 2KJ3501- ■ BE23- ■ ■ J1 -Z | – |
| | 177 | 9.7 | 7.84 | 4080 | 7.7 | 11 | 2KJ3501- ■ BE23- ■ ■ H1 -Z | – |
| | 188 | 9.2 | 7.38 | 4000 | 8.2 | 11 | 2KJ3501- ■ BE23- ■ ■ G1 -Z | – |
| | 213 | 8.1 | 6.51 | 3840 | 9.3 | 11 | 2KJ3501- ■ BE23- ■ ■ F1 -Z | – |
| 245 | 7 | 5.65 | 3670 | 11 | 11 | 2KJ3501- ■ BE23- ■ ■ E1 -Z | – | |
| 273 | 6.3 | 5.07 | 3560 | 12 | 11 | 2KJ3501- ■ BE23- ■ ■ D1 -Z | – | |

Article No. supplement

| | | |
|-----------------------|-----------------|--------------------------------|
| Shaft design | 1 or 9 | see page 10/51 |
| Frequency and voltage | 2 or 9 | see page 11/2 |
| Gearbox mounting type | A, F, H, C or D | see page 10/42 |

SIMOGEAR geared motors

Bevel geared motors

Geared motors up to 55 kW

Selection and ordering data

| P_N | n_2 | T_2 | i | F_{R2} | f_B | m | Article No. | Additional identification code -Z with order code |
|-------|-----------------------|--------|--------|----------|-------|----------------------|-------------------------------------|---|
| kW | rpm | Nm | – | N | – | kg | (Article No. supplement, see below) | No. of poles |
| 0.18 | B.29-LE63ZMK4P | | | | | | | |
| | 290 | 5.9 | 4.78 | 3490 | 12 | 11 | 2KJ3501- BE23- C1 -Z | – |
| | 329 | 5.2 | 4.21 | 3350 | 14 | 11 | 2KJ3501- BE23- B1 -Z | – |
| | B.19-LE71ZMK6P | | | | | | | |
| | 30 | 58 | 29.44 | 1910 | 0.86 | 10 | 2KJ3500- CC23- V1 -Z | P01 |
| | B.19-LE63ZMK4P | | | | | | | |
| | 33 | 52 | 42.10 | 1910 | 0.96 | 10 | 2KJ3500- BE23- A2 -Z | – |
| | 37 | 46 | 37.28 | 1910 | 1.1 | 10 | 2KJ3500- BE23- X1 -Z | – |
| | 43 | 40 | 32.39 | 1910 | 1.2 | 10 | 2KJ3500- BE23- W1 -Z | – |
| | 47 | 36 | 29.44 | 1910 | 1.4 | 10 | 2KJ3500- BE23- V1 -Z | – |
| | 55 | 31 | 25.06 | 1910 | 1.6 | 10 | 2KJ3500- BE23- U1 -Z | – |
| | 61 | 28 | 22.78 | 1910 | 1.8 | 10 | 2KJ3500- BE23- T1 -Z | – |
| | 70 | 25 | 19.86 | 1910 | 2 | 10 | 2KJ3500- BE23- S1 -Z | – |
| | 78 | 22 | 17.78 | 1910 | 2.3 | 10 | 2KJ3500- BE23- R1 -Z | – |
| | 88 | 20 | 15.79 | 1910 | 2.6 | 10 | 2KJ3500- BE23- Q1 -Z | – |
| | 95 | 18 | 14.57 | 1910 | 2.8 | 10 | 2KJ3500- BE23- P1 -Z | – |
| | 109 | 16 | 12.66 | 1910 | 3.2 | 10 | 2KJ3500- BE23- N1 -Z | – |
| | 126 | 14 | 11.00 | 1910 | 3.7 | 10 | 2KJ3500- BE23- M1 -Z | – |
| | 139 | 12 | 9.93 | 1910 | 4.1 | 10 | 2KJ3500- BE23- L1 -Z | – |
| | 148 | 12 | 9.35 | 1910 | 4.3 | 10 | 2KJ3500- BE23- K1 -Z | – |
| 170 | 10 | 8.15 | 1910 | 4.6 | 10 | 2KJ3500- BE23- J1 -Z | – | |
| 176 | 9.8 | 7.87 | 1910 | 3.9 | 10 | 2KJ3500- BE23- H1 -Z | – | |
| 198 | 8.7 | 6.99 | 1910 | 4.4 | 10 | 2KJ3500- BE23- G1 -Z | – | |
| 215 | 8 | 6.45 | 1910 | 4.9 | 10 | 2KJ3500- BE23- F1 -Z | – | |
| 247 | 7 | 5.61 | 1910 | 5.3 | 10 | 2KJ3500- BE23- E1 -Z | – | |
| 284 | 6 | 4.87 | 1910 | 5.8 | 10 | 2KJ3500- BE23- D1 -Z | – | |
| 315 | 5.5 | 4.40 | 1910 | 6.2 | 10 | 2KJ3500- BE23- C1 -Z | – | |
| 335 | 5.1 | 4.14 | 1910 | 6.4 | 10 | 2KJ3500- BE23- B1 -Z | – | |
| 384 | 4.5 | 3.61 | 1910 | 6.9 | 10 | 2KJ3500- BE23- A1 -Z | – | |
| 0.25 | K.79-LE71YMS6P | | | | | | | |
| | 3.6 | 670 | 244.25 | 14200 | 1.2 | 38 | 2KJ3508- CE23- J2 -Z | P01 |
| | 3.9 | 605 | 222.05 | 14400 | 1.3 | 38 | 2KJ3508- CE23- H2 -Z | P01 |
| | 4.6 | 515 | 188.85 | 14400 | 1.6 | 38 | 2KJ3508- CE23- G2 -Z | P01 |
| | 5.1 | 470 | 171.69 | 14400 | 1.7 | 38 | 2KJ3508- CE23- F2 -Z | P01 |
| | K.79-LE71ZMK4P | | | | | | | |
| | 5.7 | 415 | 244.25 | 14400 | 2 | 36 | 2KJ3508- CC23- J2 -Z | – |
| | K.69-LE71YMS6P | | | | | | | |
| | 4.4 | 535 | 196.59 | 11000 | 1.1 | 33 | 2KJ3507- CE23- H2 -Z | P01 |
| | 4.9 | 490 | 178.72 | 11100 | 1.2 | 33 | 2KJ3507- CE23- G2 -Z | P01 |
| | 5.7 | 415 | 152.00 | 11200 | 1.4 | 33 | 2KJ3507- CE23- F2 -Z | P01 |
| | 6.3 | 375 | 138.18 | 11300 | 1.6 | 33 | 2KJ3507- CE23- E2 -Z | P01 |
| | K.69-LE71ZMK4P | | | | | | | |
| | 7.1 | 335 | 196.59 | 11400 | 1.8 | 31 | 2KJ3507- CC23- H2 -Z | – |
| | 7.8 | 305 | 178.72 | 11500 | 2 | 31 | 2KJ3507- CC23- G2 -Z | – |
| | K.49-LE71YMS6P | | | | | | | |
| | 4.9 | 485 | 178.06 | 7310 | 0.86 | 26 | 2KJ3505- CE23- H2 -Z | P01 |
| | 5.6 | 425 | 156.34 | 7780 | 0.98 | 26 | 2KJ3505- CE23- G2 -Z | P01 |
| | 6.1 | 390 | 142.13 | 8060 | 1.1 | 26 | 2KJ3505- CE23- F2 -Z | P01 |
| | K.49-LE71ZMK4P | | | | | | | |
| 7 | 340 | 200.25 | 8440 | 1.2 | 24 | 2KJ3505- CC23- J2 -Z | – | |
| 7.8 | 305 | 178.06 | 8540 | 1.4 | 24 | 2KJ3505- CC23- H2 -Z | – | |
| 8.9 | 265 | 156.34 | 8660 | 1.6 | 24 | 2KJ3505- CC23- G2 -Z | – | |

Article No. supplement

Shaft design **1 or 9** [see page 10/51](#)Frequency and voltage **2 or 9** [see page 11/2](#)Gearbox mounting type **A, F, H, C or D** [see page 10/42](#)

Selection and ordering data

| P_N kW | n_2 rpm | T_2 Nm | i – | F_{R2} N | f_B – | m kg | Article No. (Article No. supplement, see below) | Additional identification code -Z with order code No. of poles |
|-------------|-----------------------|-------------|----------|---------------|------------|------------------------------|--|--|
| 0.25 | K.49-LE71ZMK4P | | | | | | | |
| | 9.8 | 240 | 142.13 | 8730 | 1.7 | 24 | 2KJ3505- ■ CC23- ■ ■ F2 -Z - | |
| | 11 | 205 | 121.60 | 8830 | 2 | 24 | 2KJ3505- ■ CC23- ■ ■ E2 -Z - | |
| | 13 | 189 | 110.55 | 8880 | 2.2 | 24 | 2KJ3505- ■ CC23- ■ ■ D2 -Z - | |
| | K.39-LE71ZMK4P | | | | | | | |
| | 8.9 | 265 | 157.32 | 5910 | 0.82 | 17 | 2KJ3504- ■ CC23- ■ ■ J2 -Z - | |
| | 10 | 235 | 139.54 | 6020 | 0.92 | 17 | 2KJ3504- ■ CC23- ■ ■ H2 -Z - | |
| | 12 | 205 | 121.07 | 6130 | 1.1 | 17 | 2KJ3504- ■ CC23- ■ ■ G2 -Z - | |
| | 13 | 188 | 110.06 | 6200 | 1.2 | 17 | 2KJ3504- ■ CC23- ■ ■ F2 -Z - | |
| | 15 | 162 | 94.39 | 6290 | 1.4 | 17 | 2KJ3504- ■ CC23- ■ ■ E2 -Z - | |
| | 16 | 147 | 85.81 | 6350 | 1.5 | 17 | 2KJ3504- ■ CC23- ■ ■ D2 -Z - | |
| | 19 | 129 | 75.24 | 6420 | 1.7 | 17 | 2KJ3504- ■ CC23- ■ ■ C2 -Z - | |
| | 21 | 115 | 67.16 | 6470 | 1.9 | 17 | 2KJ3504- ■ CC23- ■ ■ B2 -Z - | |
| | 23 | 102 | 59.85 | 6520 | 2.1 | 17 | 2KJ3504- ■ CC23- ■ ■ A2 -Z - | |
| | 25 | 95 | 55.25 | 6530 | 2.3 | 17 | 2KJ3504- ■ CC23- ■ ■ X1 -Z - | |
| | B.39-LE71YMS6P | | | | | | | |
| | 15 | 155 | 56.36 | 6980 | 1.6 | 18 | 2KJ3502- ■ CE23- ■ ■ A2 -Z P01 | |
| | 17 | 138 | 50.11 | 6980 | 1.5 | 18 | 2KJ3502- ■ CE23- ■ ■ X1 -Z P01 | |
| | 20 | 121 | 44.00 | 6980 | 2.1 | 18 | 2KJ3502- ■ CE23- ■ ■ W1 -Z P01 | |
| | 22 | 110 | 40.00 | 6980 | 2.1 | 18 | 2KJ3502- ■ CE23- ■ ■ V1 -Z P01 | |
| | B.39-LE71ZMK4P | | | | | | | |
| | 28 | 86 | 50.11 | 6980 | 2.4 | 16 | 2KJ3502- ■ CC23- ■ ■ X1 -Z - | |
| | B.29-LE71YMS6P | | | | | | | |
| | 19 | 129 | 46.85 | 4040 | 0.86 | 13 | 2KJ3501- ■ CE23- ■ ■ B2 -Z P01 | |
| | 21 | 114 | 41.56 | 4110 | 0.96 | 13 | 2KJ3501- ■ CE23- ■ ■ A2 -Z P01 | |
| | 24 | 99 | 36.06 | 4190 | 1.1 | 13 | 2KJ3501- ■ CE23- ■ ■ X1 -Z P01 | |
| | 27 | 90 | 32.78 | 4200 | 1.2 | 13 | 2KJ3501- ■ CE23- ■ ■ W1 -Z P01 | |
| | B.29-LE71ZMK4P | | | | | | | |
| | 30 | 80 | 46.85 | 4200 | 1.4 | 11 | 2KJ3501- ■ CC23- ■ ■ B2 -Z - | |
| | 34 | 71 | 41.56 | 4200 | 1.5 | 11 | 2KJ3501- ■ CC23- ■ ■ A2 -Z - | |
| | 39 | 62 | 36.06 | 4200 | 1.8 | 11 | 2KJ3501- ■ CC23- ■ ■ X1 -Z - | |
| | 43 | 56 | 32.78 | 4200 | 2 | 11 | 2KJ3501- ■ CC23- ■ ■ W1 -Z - | |
| | 50 | 48 | 28.11 | 4200 | 2.3 | 11 | 2KJ3501- ■ CC23- ■ ■ V1 -Z - | |
| 55 | 44 | 25.56 | 4200 | 2.5 | 11 | 2KJ3501- ■ CC23- ■ ■ U1 -Z - | | |
| 62 | 38 | 22.41 | 4200 | 2.9 | 11 | 2KJ3501- ■ CC23- ■ ■ T1 -Z - | | |
| 70 | 34 | 20.00 | 4200 | 3.2 | 11 | 2KJ3501- ■ CC23- ■ ■ S1 -Z - | | |
| 78 | 30 | 17.82 | 4200 | 3.6 | 11 | 2KJ3501- ■ CC23- ■ ■ R1 -Z - | | |
| 85 | 28 | 16.45 | 4200 | 3.9 | 11 | 2KJ3501- ■ CC23- ■ ■ Q1 -Z - | | |
| 97 | 25 | 14.40 | 4200 | 4.5 | 11 | 2KJ3501- ■ CC23- ■ ■ P1 -Z - | | |
| 110 | 22 | 12.63 | 4200 | 5.1 | 11 | 2KJ3501- ■ CC23- ■ ■ N1 -Z - | | |
| 122 | 20 | 11.46 | 4200 | 5.6 | 11 | 2KJ3501- ■ CC23- ■ ■ M1 -Z - | | |
| 129 | 18 | 10.78 | 4200 | 6 | 11 | 2KJ3501- ■ CC23- ■ ■ L1 -Z - | | |
| 147 | 16 | 9.51 | 4200 | 6.8 | 11 | 2KJ3501- ■ CC23- ■ ■ K1 -Z - | | |
| 169 | 14 | 8.25 | 4110 | 7.8 | 11 | 2KJ3501- ■ CC23- ■ ■ J1 -Z - | | |
| 178 | 13 | 7.84 | 4040 | 5.6 | 11 | 2KJ3501- ■ CC23- ■ ■ H1 -Z - | | |
| 189 | 13 | 7.38 | 3950 | 5.9 | 11 | 2KJ3501- ■ CC23- ■ ■ G1 -Z - | | |
| 214 | 11 | 6.51 | 3810 | 6.7 | 11 | 2KJ3501- ■ CC23- ■ ■ F1 -Z - | | |
| 247 | 9.7 | 5.65 | 3640 | 7.8 | 11 | 2KJ3501- ■ CC23- ■ ■ E1 -Z - | | |
| 275 | 8.7 | 5.07 | 3530 | 8.5 | 11 | 2KJ3501- ■ CC23- ■ ■ D1 -Z - | | |
| 292 | 8.2 | 4.78 | 3460 | 9 | 11 | 2KJ3501- ■ CC23- ■ ■ C1 -Z - | | |
| 331 | 7.2 | 4.21 | 3320 | 10 | 11 | 2KJ3501- ■ CC23- ■ ■ B1 -Z - | | |
| 382 | 6.2 | 3.65 | 3180 | 12 | 11 | 2KJ3501- ■ CC23- ■ ■ A1 -Z - | | |

Article No. supplement

| | | |
|-----------------------|------------------------|--------------------------------|
| Shaft design | 1 or 9 | see page 10/51 |
| Frequency and voltage | 2 or 9 | see page 11/2 |
| Gearbox mounting type | A, F, H, C or D | see page 10/42 |

SIMOGEAR geared motors

Bevel geared motors

Geared motors up to 55 kW

Selection and ordering data

| P_N | n_2 | T_2 | i | F_{R2} | f_B | m | Article No. | Additional identification code -Z with order code |
|-------------|-----------------------|-------|--------|----------|-------|------------------------------|-------------------------------------|---|
| kW | rpm | Nm | - | N | - | kg | (Article No. supplement, see below) | No. of poles |
| 0.25 | B.19-LE71ZMK4P | | | | | | | |
| | 43 | 55 | 32.39 | 1910 | 0.9 | 10 | 2KJ3500- ■ CC23- ■ ■ W1 -Z - | |
| | 47 | 50 | 29.44 | 1910 | 0.99 | 10 | 2KJ3500- ■ CC23- ■ ■ V1 -Z - | |
| | 56 | 43 | 25.06 | 1910 | 1.2 | 10 | 2KJ3500- ■ CC23- ■ ■ U1 -Z - | |
| | 61 | 39 | 22.78 | 1910 | 1.3 | 10 | 2KJ3500- ■ CC23- ■ ■ T1 -Z - | |
| | 70 | 34 | 19.86 | 1910 | 1.5 | 10 | 2KJ3500- ■ CC23- ■ ■ S1 -Z - | |
| | 78 | 30 | 17.78 | 1910 | 1.6 | 10 | 2KJ3500- ■ CC23- ■ ■ R1 -Z - | |
| | 88 | 27 | 15.79 | 1910 | 1.9 | 10 | 2KJ3500- ■ CC23- ■ ■ Q1 -Z - | |
| | 96 | 25 | 14.57 | 1910 | 2 | 10 | 2KJ3500- ■ CC23- ■ ■ P1 -Z - | |
| | 110 | 22 | 12.66 | 1910 | 2.3 | 10 | 2KJ3500- ■ CC23- ■ ■ N1 -Z - | |
| | 127 | 19 | 11.00 | 1910 | 2.7 | 10 | 2KJ3500- ■ CC23- ■ ■ M1 -Z - | |
| | 140 | 17 | 9.93 | 1910 | 2.9 | 10 | 2KJ3500- ■ CC23- ■ ■ L1 -Z - | |
| | 149 | 16 | 9.35 | 1910 | 3.1 | 10 | 2KJ3500- ■ CC23- ■ ■ K1 -Z - | |
| | 171 | 14 | 8.15 | 1910 | 3.4 | 10 | 2KJ3500- ■ CC23- ■ ■ J1 -Z - | |
| | 177 | 14 | 7.87 | 1910 | 2.8 | 10 | 2KJ3500- ■ CC23- ■ ■ H1 -Z - | |
| | 200 | 12 | 6.99 | 1910 | 3.2 | 10 | 2KJ3500- ■ CC23- ■ ■ G1 -Z - | |
| | 216 | 11 | 6.45 | 1910 | 3.5 | 10 | 2KJ3500- ■ CC23- ■ ■ F1 -Z - | |
| | 249 | 9.6 | 5.61 | 1910 | 3.9 | 10 | 2KJ3500- ■ CC23- ■ ■ E1 -Z - | |
| | 286 | 8.3 | 4.87 | 1910 | 4.2 | 10 | 2KJ3500- ■ CC23- ■ ■ D1 -Z - | |
| 317 | 7.5 | 4.40 | 1910 | 4.5 | 10 | 2KJ3500- ■ CC23- ■ ■ C1 -Z - | | |
| 337 | 7.1 | 4.14 | 1910 | 4.7 | 10 | 2KJ3500- ■ CC23- ■ ■ B1 -Z - | | |
| 386 | 6.2 | 3.61 | 1910 | 5 | 10 | 2KJ3500- ■ CC23- ■ ■ A1 -Z - | | |
| 0.37 | K.89-LE80MK6P | | | | | | | |
| | 4 | 885 | 231.80 | 18100 | 1.8 | 62 | 2KJ3510- ■ DE23- ■ ■ K2 -Z P01 | |
| | 4.4 | 805 | 210.72 | 18100 | 2 | 62 | 2KJ3510- ■ DE23- ■ ■ J2 -Z P01 | |
| | K.79-LE80MK6P | | | | | | | |
| | 3.8 | 930 | 244.25 | 13700 | 0.88 | 41 | 2KJ3508- ■ DE23- ■ ■ J2 -Z P01 | |
| | 4.2 | 845 | 222.05 | 13900 | 0.97 | 41 | 2KJ3508- ■ DE23- ■ ■ H2 -Z P01 | |
| | 4.9 | 720 | 188.85 | 14100 | 1.1 | 41 | 2KJ3508- ■ DE23- ■ ■ G2 -Z P01 | |
| | 5.4 | 655 | 171.69 | 14300 | 1.3 | 41 | 2KJ3508- ■ DE23- ■ ■ F2 -Z P01 | |
| | K.79-LE71YMS4P | | | | | | | |
| | 5.6 | 625 | 244.25 | 14300 | 1.3 | 38 | 2KJ3508- ■ CE23- ■ ■ J2 -Z - | |
| | 6.2 | 565 | 222.05 | 14400 | 1.4 | 38 | 2KJ3508- ■ CE23- ■ ■ H2 -Z - | |
| | 7.3 | 480 | 188.85 | 14400 | 1.7 | 38 | 2KJ3508- ■ CE23- ■ ■ G2 -Z - | |
| | 8 | 440 | 171.69 | 14400 | 1.9 | 38 | 2KJ3508- ■ CE23- ■ ■ F2 -Z - | |
| | 9 | 390 | 153.18 | 14400 | 2.1 | 38 | 2KJ3508- ■ CE23- ■ ■ E2 -Z - | |
| | K.69-LE80MK6P | | | | | | | |
| | 4.7 | 750 | 196.59 | 9880 | 0.8 | 36 | 2KJ3507- ■ DE23- ■ ■ H2 -Z P01 | |
| | 5.2 | 680 | 178.72 | 10300 | 0.88 | 36 | 2KJ3507- ■ DE23- ■ ■ G2 -Z P01 | |
| | 6.1 | 580 | 152.00 | 10900 | 1 | 36 | 2KJ3507- ■ DE23- ■ ■ F2 -Z P01 | |
| | 6.7 | 525 | 138.18 | 11000 | 1.1 | 36 | 2KJ3507- ■ DE23- ■ ■ E2 -Z P01 | |
| | K.69-LE71YMS4P | | | | | | | |
| | 7 | 500 | 196.59 | 11000 | 1.2 | 33 | 2KJ3507- ■ CE23- ■ ■ H2 -Z - | |
| | 7.7 | 455 | 178.72 | 11200 | 1.3 | 33 | 2KJ3507- ■ CE23- ■ ■ G2 -Z - | |
| | 9.1 | 385 | 152.00 | 11300 | 1.5 | 33 | 2KJ3507- ■ CE23- ■ ■ F2 -Z - | |
| | 10 | 350 | 138.18 | 11400 | 1.7 | 33 | 2KJ3507- ■ CE23- ■ ■ E2 -Z - | |
| | 11 | 315 | 123.29 | 11500 | 1.9 | 33 | 2KJ3507- ■ CE23- ■ ■ D2 -Z - | |
| | 12 | 280 | 110.55 | 11600 | 2.1 | 33 | 2KJ3507- ■ CE23- ■ ■ C2 -Z - | |
| | K.49-LE71YMS4P | | | | | | | |
| | 6.9 | 510 | 200.25 | 7120 | 0.82 | 26 | 2KJ3505- ■ CE23- ■ ■ J2 -Z - | |
| | 7.8 | 455 | 178.06 | 7550 | 0.92 | 26 | 2KJ3505- ■ CE23- ■ ■ H2 -Z - | |
| | 8.8 | 400 | 156.34 | 7980 | 1 | 26 | 2KJ3505- ■ CE23- ■ ■ G2 -Z - | |

Article No. supplement

| | | |
|-----------------------|------------------------|--------------------------------|
| Shaft design | 1 or 9 | see page 10/51 |
| Frequency and voltage | 2 or 9 | see page 11/2 |
| Gearbox mounting type | A, F, H, C or D | see page 10/42 |

Selection and ordering data

| P_N kW | n_2 rpm | T_2 Nm | i – | F_{R2} N | f_B – | m kg | Article No. (Article No. supplement, see below) | Additional identification code -Z with order code No. of poles |
|-----------------------|-----------------------|-------------|----------|---------------|------------|--------------------------------|--|--|
| 0.37 | K.49-LE71YMS4P | | | | | | | |
| | 9.7 | 360 | 142.13 | 8290 | 1.2 | 26 | 2KJ3505- ■ CE23- ■ ■ F2 -Z - | |
| | 11 | 310 | 121.60 | 8530 | 1.3 | 26 | 2KJ3505- ■ CE23- ■ ■ E2 -Z - | |
| | 12 | 280 | 110.55 | 8610 | 1.5 | 26 | 2KJ3505- ■ CE23- ■ ■ D2 -Z - | |
| | 14 | 250 | 97.71 | 8700 | 1.7 | 26 | 2KJ3505- ■ CE23- ■ ■ C2 -Z - | |
| | 16 | 225 | 88.83 | 8770 | 1.8 | 26 | 2KJ3505- ■ CE23- ■ ■ B2 -Z - | |
| | 18 | 199 | 77.81 | 8810 | 2.1 | 26 | 2KJ3505- ■ CE23- ■ ■ A2 -Z - | |
| | 19 | 184 | 71.82 | 8650 | 2.3 | 26 | 2KJ3505- ■ CE23- ■ ■ X1 -Z - | |
| | K.39-LE71YMS4P | | | | | | | |
| | 15 | 240 | 94.39 | 6000 | 0.91 | 18 | 2KJ3504- ■ CE23- ■ ■ E2 -Z - | |
| 16 | 220 | 85.81 | 6080 | 1 | 18 | 2KJ3504- ■ CE23- ■ ■ D2 -Z - | | |
| 18 | 193 | 75.24 | 6180 | 1.1 | 18 | 2KJ3504- ■ CE23- ■ ■ C2 -Z - | | |
| 21 | 172 | 67.16 | 6260 | 1.3 | 18 | 2KJ3504- ■ CE23- ■ ■ B2 -Z - | | |
| 23 | 153 | 59.85 | 6330 | 1.4 | 18 | 2KJ3504- ■ CE23- ■ ■ A2 -Z - | | |
| 25 | 141 | 55.25 | 6370 | 1.6 | 18 | 2KJ3504- ■ CE23- ■ ■ X1 -Z - | | |
| 29 | 124 | 48.37 | 6430 | 1.8 | 18 | 2KJ3504- ■ CE23- ■ ■ W1 -Z - | | |
| 33 | 109 | 42.41 | 6490 | 2 | 18 | 2KJ3504- ■ CE23- ■ ■ V1 -Z - | | |
| 36 | 98 | 38.48 | 6530 | 2.2 | 18 | 2KJ3504- ■ CE23- ■ ■ U1 -Z - | | |
| 38 | 93 | 36.21 | 6530 | 2.4 | 18 | 2KJ3504- ■ CE23- ■ ■ T1 -Z - | | |
| 43 | 82 | 31.92 | 6450 | 2.7 | 18 | 2KJ3504- ■ CE23- ■ ■ S1 -Z - | | |
| B.49-LE80MK6P | | | | | | | | |
| 16 | 225 | 59.28 | 11500 | 2 | 27 | 2KJ3503- ■ DE23- ■ ■ C2 -Z P01 | | |
| 17 | 205 | 53.89 | 11500 | 2.2 | 27 | 2KJ3503- ■ DE23- ■ ■ B2 -Z P01 | | |
| B.39-LE80MK6P | | | | | | | | |
| 18 | 191 | 50.11 | 6980 | 1.1 | 21 | 2KJ3502- ■ DE23- ■ ■ X1 -Z P01 | | |
| 21 | 168 | 44.00 | 6980 | 1.5 | 21 | 2KJ3502- ■ DE23- ■ ■ W1 -Z P01 | | |
| 23 | 153 | 40.00 | 6980 | 1.5 | 21 | 2KJ3502- ■ DE23- ■ ■ V1 -Z P01 | | |
| B.39-LE71YMS4P | | | | | | | | |
| 24 | 144 | 56.36 | 6980 | 1.7 | 18 | 2KJ3502- ■ CE23- ■ ■ A2 -Z - | | |
| 28 | 128 | 50.11 | 6980 | 1.6 | 18 | 2KJ3502- ■ CE23- ■ ■ X1 -Z - | | |
| 31 | 113 | 44.00 | 6980 | 2.2 | 18 | 2KJ3502- ■ CE23- ■ ■ W1 -Z - | | |
| 34 | 102 | 40.00 | 6980 | 2.2 | 18 | 2KJ3502- ■ CE23- ■ ■ V1 -Z - | | |
| B.29-LE80MK6P | | | | | | | | |
| 26 | 138 | 36.06 | 3990 | 0.8 | 16 | 2KJ3501- ■ DE23- ■ ■ X1 -Z P01 | | |
| 28 | 125 | 32.78 | 4060 | 0.88 | 16 | 2KJ3501- ■ DE23- ■ ■ W1 -Z P01 | | |
| B.29-LE71YMS4P | | | | | | | | |
| 29 | 120 | 46.85 | 4080 | 0.92 | 13 | 2KJ3501- ■ CE23- ■ ■ B2 -Z - | | |
| 33 | 106 | 41.56 | 4160 | 1 | 13 | 2KJ3501- ■ CE23- ■ ■ A2 -Z - | | |
| 38 | 92 | 36.06 | 4200 | 1.2 | 13 | 2KJ3501- ■ CE23- ■ ■ X1 -Z - | | |
| 42 | 84 | 32.78 | 4200 | 1.3 | 13 | 2KJ3501- ■ CE23- ■ ■ W1 -Z - | | |
| 49 | 72 | 28.11 | 4200 | 1.5 | 13 | 2KJ3501- ■ CE23- ■ ■ V1 -Z - | | |
| 54 | 65 | 25.56 | 4200 | 1.7 | 13 | 2KJ3501- ■ CE23- ■ ■ U1 -Z - | | |
| 62 | 57 | 22.41 | 4200 | 1.9 | 13 | 2KJ3501- ■ CE23- ■ ■ T1 -Z - | | |
| 69 | 51 | 20.00 | 4200 | 2.1 | 13 | 2KJ3501- ■ CE23- ■ ■ S1 -Z - | | |
| 77 | 46 | 17.82 | 4200 | 2.4 | 13 | 2KJ3501- ■ CE23- ■ ■ R1 -Z - | | |
| 84 | 42 | 16.45 | 4200 | 2.6 | 13 | 2KJ3501- ■ CE23- ■ ■ Q1 -Z - | | |
| 96 | 37 | 14.40 | 4200 | 3 | 13 | 2KJ3501- ■ CE23- ■ ■ P1 -Z - | | |
| 109 | 32 | 12.63 | 4200 | 3.4 | 13 | 2KJ3501- ■ CE23- ■ ■ N1 -Z - | | |
| 120 | 29 | 11.46 | 4200 | 3.7 | 13 | 2KJ3501- ■ CE23- ■ ■ M1 -Z - | | |
| 128 | 28 | 10.78 | 4200 | 4 | 13 | 2KJ3501- ■ CE23- ■ ■ L1 -Z - | | |
| 145 | 24 | 9.51 | 4200 | 4.5 | 13 | 2KJ3501- ■ CE23- ■ ■ K1 -Z - | | |
| 167 | 21 | 8.25 | 4060 | 5.2 | 13 | 2KJ3501- ■ CE23- ■ ■ J1 -Z - | | |

Article No. supplement

| | | |
|-----------------------|------------------------|--------------------------------|
| Shaft design | 1 or 9 | see page 10/51 |
| Frequency and voltage | 2 or 9 | see page 11/2 |
| Gearbox mounting type | A, F, H, C or D | see page 10/42 |

SIMOGEAR geared motors

Bevel geared motors

Geared motors up to 55 kW

Selection and ordering data

| P_N | n_2 | T_2 | i | F_{R2} | f_B | m | Article No. | Additional identification code -Z with order code |
|-------|-----------------------|--------|--------|----------|-------|------------------------------|-------------------------------------|---|
| kW | rpm | Nm | - | N | - | kg | (Article No. supplement, see below) | No. of poles |
| 0.37 | B.29-LE71YMS4P | | | | | | | |
| | 176 | 20 | 7.84 | 3980 | 3.7 | 13 | 2KJ3501- ■ CE23- ■ ■ H1 -Z - | |
| | 187 | 19 | 7.38 | 3910 | 4 | 13 | 2KJ3501- ■ CE23- ■ ■ G1 -Z - | |
| | 212 | 17 | 6.51 | 3760 | 4.5 | 13 | 2KJ3501- ■ CE23- ■ ■ F1 -Z - | |
| | 244 | 14 | 5.65 | 3610 | 5.2 | 13 | 2KJ3501- ■ CE23- ■ ■ E1 -Z - | |
| | 272 | 13 | 5.07 | 3500 | 5.7 | 13 | 2KJ3501- ■ CE23- ■ ■ D1 -Z - | |
| | 289 | 12 | 4.78 | 3440 | 6 | 13 | 2KJ3501- ■ CE23- ■ ■ C1 -Z - | |
| | 328 | 11 | 4.21 | 3300 | 6.9 | 13 | 2KJ3501- ■ CE23- ■ ■ B1 -Z - | |
| | 378 | 9.3 | 3.65 | 3160 | 7.8 | 13 | 2KJ3501- ■ CE23- ■ ■ A1 -Z - | |
| | B.19-LE71YMS4P | | | | | | | |
| | 61 | 58 | 22.78 | 1910 | 0.86 | 11 | 2KJ3500- ■ CE23- ■ ■ T1 -Z - | |
| | 69 | 51 | 19.86 | 1910 | 0.98 | 11 | 2KJ3500- ■ CE23- ■ ■ S1 -Z - | |
| | 78 | 46 | 17.78 | 1910 | 1.1 | 11 | 2KJ3500- ■ CE23- ■ ■ R1 -Z - | |
| | 87 | 40 | 15.79 | 1910 | 1.2 | 11 | 2KJ3500- ■ CE23- ■ ■ Q1 -Z - | |
| | 95 | 37 | 14.57 | 1910 | 1.3 | 11 | 2KJ3500- ■ CE23- ■ ■ P1 -Z - | |
| | 109 | 32 | 12.66 | 1910 | 1.5 | 11 | 2KJ3500- ■ CE23- ■ ■ N1 -Z - | |
| | 125 | 28 | 11.00 | 1910 | 1.8 | 11 | 2KJ3500- ■ CE23- ■ ■ M1 -Z - | |
| | 139 | 25 | 9.93 | 1910 | 2 | 11 | 2KJ3500- ■ CE23- ■ ■ L1 -Z - | |
| | 148 | 24 | 9.35 | 1910 | 2.1 | 11 | 2KJ3500- ■ CE23- ■ ■ K1 -Z - | |
| 169 | 21 | 8.15 | 1910 | 2.3 | 11 | 2KJ3500- ■ CE23- ■ ■ J1 -Z - | | |
| 175 | 20 | 7.87 | 1910 | 1.9 | 11 | 2KJ3500- ■ CE23- ■ ■ H1 -Z - | | |
| 197 | 18 | 6.99 | 1910 | 2.1 | 11 | 2KJ3500- ■ CE23- ■ ■ G1 -Z - | | |
| 214 | 16 | 6.45 | 1910 | 2.4 | 11 | 2KJ3500- ■ CE23- ■ ■ F1 -Z - | | |
| 246 | 14 | 5.61 | 1910 | 2.6 | 11 | 2KJ3500- ■ CE23- ■ ■ E1 -Z - | | |
| 283 | 12 | 4.87 | 1910 | 2.8 | 11 | 2KJ3500- ■ CE23- ■ ■ D1 -Z - | | |
| 314 | 11 | 4.40 | 1910 | 3 | 11 | 2KJ3500- ■ CE23- ■ ■ C1 -Z - | | |
| 333 | 11 | 4.14 | 1910 | 3.1 | 11 | 2KJ3500- ■ CE23- ■ ■ B1 -Z - | | |
| 382 | 9.2 | 3.61 | 1910 | 3.4 | 11 | 2KJ3500- ■ CE23- ■ ■ A1 -Z - | | |
| 0.55 | K.89-LE80ZMQ6P | | | | | | | |
| | 4 | 1300 | 231.80 | 18100 | 1.2 | 62 | 2KJ3510- ■ DF23- ■ ■ K2 -Z P01 | |
| | 4.4 | 1180 | 210.72 | 18100 | 1.4 | 62 | 2KJ3510- ■ DF23- ■ ■ J2 -Z P01 | |
| | 4.9 | 1060 | 189.01 | 18100 | 1.5 | 62 | 2KJ3510- ■ DF23- ■ ■ H2 -Z P01 | |
| | 5.5 | 955 | 169.94 | 18100 | 1.7 | 62 | 2KJ3510- ■ DF23- ■ ■ G2 -Z P01 | |
| | K.89-LE80MH4P | | | | | | | |
| | 6.2 | 845 | 231.80 | 18100 | 1.9 | 63 | 2KJ3510- ■ DC23- ■ ■ K2 -Z - | |
| | 6.8 | 765 | 210.72 | 18100 | 2.1 | 63 | 2KJ3510- ■ DC23- ■ ■ J2 -Z - | |
| | K.79-LE80ZMQ6P | | | | | | | |
| | 5.4 | 960 | 171.69 | 13700 | 0.85 | 41 | 2KJ3508- ■ DF23- ■ ■ F2 -Z P01 | |
| | K.79-LE80MH4P | | | | | | | |
| | 5.9 | 890 | 244.25 | 13800 | 0.92 | 42 | 2KJ3508- ■ DC23- ■ ■ J2 -Z - | |
| | 6.5 | 810 | 222.05 | 13900 | 1 | 42 | 2KJ3508- ■ DC23- ■ ■ H2 -Z - | |
| | 7.6 | 685 | 188.85 | 14200 | 1.2 | 42 | 2KJ3508- ■ DC23- ■ ■ G2 -Z - | |
| | 8.4 | 625 | 171.69 | 14300 | 1.3 | 42 | 2KJ3508- ■ DC23- ■ ■ F2 -Z - | |
| | 9.4 | 555 | 153.18 | 14400 | 1.5 | 42 | 2KJ3508- ■ DC23- ■ ■ E2 -Z - | |
| | 10 | 500 | 137.35 | 14400 | 1.6 | 42 | 2KJ3508- ■ DC23- ■ ■ D2 -Z - | |
| | 12 | 450 | 123.80 | 14400 | 1.8 | 42 | 2KJ3508- ■ DC23- ■ ■ C2 -Z - | |
| | 13 | 415 | 114.28 | 14400 | 2 | 42 | 2KJ3508- ■ DC23- ■ ■ B2 -Z - | |
| | 14 | 380 | 104.32 | 14400 | 2.2 | 42 | 2KJ3508- ■ DC23- ■ ■ A2 -Z - | |
| | K.69-LE80MH4P | | | | | | | |
| 7.3 | 715 | 196.59 | 10100 | 0.84 | 37 | 2KJ3507- ■ DC23- ■ ■ H2 -Z - | | |
| 8.1 | 650 | 178.72 | 10500 | 0.92 | 37 | 2KJ3507- ■ DC23- ■ ■ G2 -Z - | | |
| 9.5 | 550 | 152.00 | 10900 | 1.1 | 37 | 2KJ3507- ■ DC23- ■ ■ F2 -Z - | | |

Article No. supplement

| | | |
|-----------------------|------------------------|--------------------------------|
| Shaft design | 1 or 9 | see page 10/51 |
| Frequency and voltage | 2 or 9 | see page 11/2 |
| Gearbox mounting type | A, F, H, C or D | see page 10/42 |

Selection and ordering data

| P_N kW | n_2 rpm | T_2 Nm | i – | F_{R2} N | f_B – | m kg | Article No. (Article No. supplement, see below) | Additional identification code -Z with order code No. of poles |
|-----------------------|----------------------|-------------|----------|---------------|------------|------------------------------|--|--|
| 0.55 | K.69-LE80MH4P | | | | | | | |
| | 10 | 500 | 138.18 | 11000 | 1.2 | 37 | 2KJ3507- ■ DC23- ■ ■ E2 -Z - | |
| | 12 | 450 | 123.29 | 11200 | 1.3 | 37 | 2KJ3507- ■ DC23- ■ ■ D2 -Z - | |
| | 13 | 400 | 110.55 | 11300 | 1.5 | 37 | 2KJ3507- ■ DC23- ■ ■ C2 -Z - | |
| | 14 | 360 | 99.64 | 11400 | 1.7 | 37 | 2KJ3507- ■ DC23- ■ ■ B2 -Z - | |
| | 16 | 335 | 91.98 | 11400 | 1.8 | 37 | 2KJ3507- ■ DC23- ■ ■ A2 -Z - | |
| | 17 | 305 | 83.96 | 11500 | 2 | 37 | 2KJ3507- ■ DC23- ■ ■ X1 -Z - | |
| | 21 | 250 | 69.67 | 11600 | 2.4 | 37 | 2KJ3507- ■ DC23- ■ ■ W1 -Z - | |
| | K.49-LE80MH4P | | | | | | | |
| | 10 | 515 | 142.13 | 7080 | 0.81 | 30 | 2KJ3505- ■ DC23- ■ ■ F2 -Z - | |
| 12 | 440 | 121.60 | 7670 | 0.95 | 30 | 2KJ3505- ■ DC23- ■ ■ E2 -Z - | | |
| 13 | 400 | 110.55 | 7980 | 1 | 30 | 2KJ3505- ■ DC23- ■ ■ D2 -Z - | | |
| 15 | 355 | 97.71 | 8250 | 1.2 | 30 | 2KJ3505- ■ DC23- ■ ■ C2 -Z - | | |
| 16 | 320 | 88.83 | 8180 | 1.3 | 30 | 2KJ3505- ■ DC23- ■ ■ B2 -Z - | | |
| 19 | 280 | 77.81 | 8030 | 1.5 | 30 | 2KJ3505- ■ DC23- ■ ■ A2 -Z - | | |
| 20 | 260 | 71.82 | 7910 | 1.6 | 30 | 2KJ3505- ■ DC23- ■ ■ X1 -Z - | | |
| 23 | 230 | 63.59 | 7750 | 1.8 | 30 | 2KJ3505- ■ DC23- ■ ■ W1 -Z - | | |
| 27 | 193 | 52.93 | 7470 | 2.2 | 30 | 2KJ3505- ■ DC23- ■ ■ V1 -Z - | | |
| 29 | 182 | 49.82 | 7380 | 2.3 | 30 | 2KJ3505- ■ DC23- ■ ■ U1 -Z - | | |
| K.39-LE80MH4P | | | | | | | | |
| 19 | 270 | 75.24 | 5890 | 0.8 | 23 | 2KJ3504- ■ DC23- ■ ■ C2 -Z - | | |
| 21 | 245 | 67.16 | 5980 | 0.9 | 23 | 2KJ3504- ■ DC23- ■ ■ B2 -Z - | | |
| 24 | 215 | 59.85 | 6100 | 1 | 23 | 2KJ3504- ■ DC23- ■ ■ A2 -Z - | | |
| 26 | 200 | 55.25 | 6150 | 1.1 | 23 | 2KJ3504- ■ DC23- ■ ■ X1 -Z - | | |
| 30 | 176 | 48.37 | 6240 | 1.2 | 23 | 2KJ3504- ■ DC23- ■ ■ W1 -Z - | | |
| 34 | 155 | 42.41 | 6320 | 1.4 | 23 | 2KJ3504- ■ DC23- ■ ■ V1 -Z - | | |
| 37 | 140 | 38.48 | 6280 | 1.6 | 23 | 2KJ3504- ■ DC23- ■ ■ U1 -Z - | | |
| 40 | 132 | 36.21 | 6210 | 1.7 | 23 | 2KJ3504- ■ DC23- ■ ■ T1 -Z - | | |
| 45 | 116 | 31.92 | 6050 | 1.9 | 23 | 2KJ3504- ■ DC23- ■ ■ S1 -Z - | | |
| 52 | 101 | 27.70 | 5850 | 2.2 | 23 | 2KJ3504- ■ DC23- ■ ■ R1 -Z - | | |
| 54 | 98 | 26.89 | 5810 | 2.2 | 23 | 2KJ3504- ■ DC23- ■ ■ Q1 -Z - | | |
| 60 | 87 | 23.97 | 5660 | 2.5 | 23 | 2KJ3504- ■ DC23- ■ ■ P1 -Z - | | |
| 65 | 81 | 22.12 | 5550 | 2.7 | 23 | 2KJ3504- ■ DC23- ■ ■ N1 -Z - | | |
| 74 | 71 | 19.37 | 5360 | 3.1 | 23 | 2KJ3504- ■ DC23- ■ ■ M1 -Z - | | |
| B.49-LE80ZMQ6P | | | | | | | | |
| 16 | 330 | 59.28 | 11400 | 1.4 | 27 | 2KJ3503- ■ DF23- ■ ■ C2 -Z - | P01 | |
| 17 | 300 | 53.89 | 11500 | 1.5 | 27 | 2KJ3503- ■ DF23- ■ ■ B2 -Z - | P01 | |
| 20 | 255 | 45.83 | 11500 | 1.7 | 27 | 2KJ3503- ■ DF23- ■ ■ A2 -Z - | P01 | |
| 22 | 230 | 41.67 | 11300 | 1.9 | 27 | 2KJ3503- ■ DF23- ■ ■ X1 -Z - | P01 | |
| B.49-LE80MH4P | | | | | | | | |
| 24 | 215 | 59.28 | 11100 | 2.1 | 28 | 2KJ3503- ■ DC23- ■ ■ C2 -Z - | | |
| 27 | 197 | 53.89 | 10800 | 2.3 | 28 | 2KJ3503- ■ DC23- ■ ■ B2 -Z - | | |
| B.39-LE80ZMQ6P | | | | | | | | |
| 21 | 245 | 44.00 | 6980 | 1 | 21 | 2KJ3502- ■ DF23- ■ ■ W1 -Z - | P01 | |
| 23 | 225 | 40.00 | 6980 | 1 | 21 | 2KJ3502- ■ DF23- ■ ■ V1 -Z - | P01 | |
| B.39-LE80MH4P | | | | | | | | |
| 29 | 183 | 50.11 | 6980 | 1.1 | 22 | 2KJ3502- ■ DC23- ■ ■ X1 -Z - | | |
| 33 | 160 | 44.00 | 6980 | 1.6 | 22 | 2KJ3502- ■ DC23- ■ ■ W1 -Z - | | |
| 36 | 146 | 40.00 | 6980 | 1.6 | 22 | 2KJ3502- ■ DC23- ■ ■ V1 -Z - | | |
| 42 | 125 | 34.22 | 6980 | 2 | 22 | 2KJ3502- ■ DC23- ■ ■ U1 -Z - | | |
| 46 | 113 | 31.11 | 6980 | 2.2 | 22 | 2KJ3502- ■ DC23- ■ ■ T1 -Z - | | |
| 52 | 100 | 27.50 | 6980 | 2.5 | 22 | 2KJ3502- ■ DC23- ■ ■ S1 -Z - | | |

Article No. supplement

| | | |
|-----------------------|------------------------|--------------------------------|
| Shaft design | 1 or 9 | see page 10/51 |
| Frequency and voltage | 2 or 9 | see page 11/2 |
| Gearbox mounting type | A, F, H, C or D | see page 10/42 |

SIMOGEAR geared motors

Bevel geared motors

Geared motors up to 55 kW

Selection and ordering data

| P_N | n_2 | T_2 | i | F_{R2} | f_B | m | Article No. | Additional identification code -Z with order code |
|-------|-----------------------|-------|--------|----------|-------|----------------------|-------------------------------------|---|
| kW | rpm | Nm | - | N | - | kg | (Article No. supplement, see below) | No. of poles |
| 0.55 | B.39-LE80MH4P | | | | | | | |
| | 58 | 91 | 25.00 | 6980 | 2.7 | 22 | 2KJ3502- DC23- R1 -Z | - |
| | 66 | 80 | 21.90 | 6980 | 3.1 | 22 | 2KJ3502- DC23- Q1 -Z | - |
| | B.29-LE80MH4P | | | | | | | |
| | 40 | 132 | 36.06 | 4020 | 0.84 | 17 | 2KJ3501- DC23- X1 -Z | - |
| | 44 | 120 | 32.78 | 4080 | 0.92 | 17 | 2KJ3501- DC23- W1 -Z | - |
| | 51 | 103 | 28.11 | 4170 | 1.1 | 17 | 2KJ3501- DC23- V1 -Z | - |
| | 56 | 93 | 25.56 | 4200 | 1.2 | 17 | 2KJ3501- DC23- U1 -Z | - |
| | 64 | 82 | 22.41 | 4200 | 1.3 | 17 | 2KJ3501- DC23- T1 -Z | - |
| | 72 | 73 | 20.00 | 4200 | 1.5 | 17 | 2KJ3501- DC23- S1 -Z | - |
| | 81 | 65 | 17.82 | 4200 | 1.7 | 17 | 2KJ3501- DC23- R1 -Z | - |
| | 88 | 60 | 16.45 | 4200 | 1.8 | 17 | 2KJ3501- DC23- Q1 -Z | - |
| | 100 | 52 | 14.40 | 4200 | 2.1 | 17 | 2KJ3501- DC23- P1 -Z | - |
| | 114 | 46 | 12.63 | 4200 | 2.4 | 17 | 2KJ3501- DC23- N1 -Z | - |
| | 126 | 42 | 11.46 | 4200 | 2.6 | 17 | 2KJ3501- DC23- M1 -Z | - |
| | 134 | 39 | 10.78 | 4200 | 2.8 | 17 | 2KJ3501- DC23- L1 -Z | - |
| | 151 | 35 | 9.51 | 4070 | 3.2 | 17 | 2KJ3501- DC23- K1 -Z | - |
| | 175 | 30 | 8.25 | 3920 | 3.7 | 17 | 2KJ3501- DC23- J1 -Z | - |
| | 184 | 29 | 7.84 | 3830 | 2.6 | 17 | 2KJ3501- DC23- H1 -Z | - |
| | 195 | 27 | 7.38 | 3770 | 2.8 | 17 | 2KJ3501- DC23- G1 -Z | - |
| | 221 | 24 | 6.51 | 3630 | 3.2 | 17 | 2KJ3501- DC23- F1 -Z | - |
| | 255 | 21 | 5.65 | 3480 | 3.6 | 17 | 2KJ3501- DC23- E1 -Z | - |
| | 284 | 18 | 5.07 | 3410 | 4 | 17 | 2KJ3501- DC23- D1 -Z | - |
| | 301 | 17 | 4.78 | 3340 | 4.2 | 17 | 2KJ3501- DC23- C1 -Z | - |
| | 342 | 15 | 4.21 | 3220 | 4.8 | 17 | 2KJ3501- DC23- B1 -Z | - |
| | B.19-LE80MH4P | | | | | | | |
| | 91 | 58 | 15.79 | 1910 | 0.87 | 15 | 2KJ3500- DC23- Q1 -Z | - |
| | 99 | 53 | 14.57 | 1910 | 0.94 | 15 | 2KJ3500- DC23- P1 -Z | - |
| | 114 | 46 | 12.66 | 1910 | 1.1 | 15 | 2KJ3500- DC23- N1 -Z | - |
| | 131 | 40 | 11.00 | 1910 | 1.2 | 15 | 2KJ3500- DC23- M1 -Z | - |
| | 145 | 36 | 9.93 | 1910 | 1.4 | 15 | 2KJ3500- DC23- L1 -Z | - |
| | 154 | 34 | 9.35 | 1910 | 1.5 | 15 | 2KJ3500- DC23- K1 -Z | - |
| | 177 | 30 | 8.15 | 1910 | 1.6 | 15 | 2KJ3500- DC23- J1 -Z | - |
| 183 | 29 | 7.87 | 1910 | 1.3 | 15 | 2KJ3500- DC23- H1 -Z | - | |
| 206 | 26 | 6.99 | 1910 | 1.5 | 15 | 2KJ3500- DC23- G1 -Z | - | |
| 223 | 24 | 6.45 | 1910 | 1.7 | 15 | 2KJ3500- DC23- F1 -Z | - | |
| 257 | 20 | 5.61 | 1910 | 1.8 | 15 | 2KJ3500- DC23- E1 -Z | - | |
| 296 | 18 | 4.87 | 1910 | 2 | 15 | 2KJ3500- DC23- D1 -Z | - | |
| 327 | 16 | 4.40 | 1910 | 2.1 | 15 | 2KJ3500- DC23- C1 -Z | - | |
| 348 | 15 | 4.14 | 1910 | 2.2 | 15 | 2KJ3500- DC23- B1 -Z | - | |
| 399 | 13 | 3.61 | 1910 | 2.4 | 15 | 2KJ3500- DC23- A1 -Z | - | |
| 0.75 | K.109-LE90SQ6P | | | | | | | |
| | 4.4 | 1640 | 216.65 | 24500 | 1.8 | 101 | 2KJ3511- EC23- H2 -Z | P01 |
| | 4.8 | 1480 | 195.60 | 24500 | 2 | 101 | 2KJ3511- EC23- G2 -Z | P01 |
| | K.89-LE90SQ6P | | | | | | | |
| | 4.1 | 1750 | 231.80 | 18100 | 0.91 | 64 | 2KJ3510- EC23- K2 -Z | P01 |
| | 4.5 | 1590 | 210.72 | 18100 | 1 | 64 | 2KJ3510- EC23- J2 -Z | P01 |
| | 5 | 1430 | 189.01 | 18100 | 1.1 | 64 | 2KJ3510- EC23- H2 -Z | P01 |
| | 5.6 | 1280 | 169.94 | 18100 | 1.2 | 64 | 2KJ3510- EC23- G2 -Z | P01 |
| | K.89-LE80ZMQ4P | | | | | | | |
| | 6.3 | 1140 | 231.80 | 18100 | 1.4 | 62 | 2KJ3510- DF23- K2 -Z | - |
| | 6.9 | 1040 | 210.72 | 18100 | 1.5 | 62 | 2KJ3510- DF23- J2 -Z | - |

Article No. supplement

| | | |
|-----------------------|-----------------|----------------|
| Shaft design | 1 or 9 | see page 10/51 |
| Frequency and voltage | 2 or 9 | see page 11/2 |
| Gearbox mounting type | A, F, H, C or D | see page 10/42 |

Selection and ordering data

| P_N kW | n_2 rpm | T_2 Nm | i – | F_{R2} N | f_B – | m kg | Article No. (Article No. supplement, see below) | Additional identification code -Z with order code No. of poles |
|-----------------------|-----------------------|-------------|----------|---------------|------------|------------------------------|--|--|
| 0.75 | K.89-LE80ZMQ4P | | | | | | | |
| | 7.7 | 930 | 189.01 | 18100 | 1.7 | 62 | 2KJ3510- ■ DF23- ■ ■ H2 -Z - | |
| | 8.5 | 835 | 169.94 | 18100 | 1.9 | 62 | 2KJ3510- ■ DF23- ■ ■ G2 -Z - | |
| | 9.4 | 755 | 153.70 | 18100 | 2.1 | 62 | 2KJ3510- ■ DF23- ■ ■ F2 -Z - | |
| | K.79-LE80ZMQ4P | | | | | | | |
| | 7.7 | 930 | 188.85 | 13700 | 0.88 | 41 | 2KJ3508- ■ DF23- ■ ■ G2 -Z - | |
| | 8.4 | 845 | 171.69 | 13900 | 0.97 | 41 | 2KJ3508- ■ DF23- ■ ■ F2 -Z - | |
| | 9.5 | 755 | 153.18 | 14100 | 1.1 | 41 | 2KJ3508- ■ DF23- ■ ■ E2 -Z - | |
| | 11 | 675 | 137.35 | 14200 | 1.2 | 41 | 2KJ3508- ■ DF23- ■ ■ D2 -Z - | |
| | 12 | 610 | 123.80 | 14300 | 1.3 | 41 | 2KJ3508- ■ DF23- ■ ■ C2 -Z - | |
| 13 | 565 | 114.28 | 14400 | 1.5 | 41 | 2KJ3508- ■ DF23- ■ ■ B2 -Z - | | |
| 14 | 515 | 104.32 | 14400 | 1.6 | 41 | 2KJ3508- ■ DF23- ■ ■ A2 -Z - | | |
| 17 | 425 | 86.56 | 14400 | 1.9 | 41 | 2KJ3508- ■ DF23- ■ ■ X1 -Z - | | |
| 18 | 400 | 81.47 | 14400 | 2 | 41 | 2KJ3508- ■ DF23- ■ ■ W1 -Z - | | |
| 19 | 380 | 76.94 | 14400 | 2.2 | 41 | 2KJ3508- ■ DF23- ■ ■ V1 -Z - | | |
| K.69-LE80ZMQ4P | | | | | | | | |
| 9.5 | 750 | 152.00 | 9880 | 0.8 | 36 | 2KJ3507- ■ DF23- ■ ■ F2 -Z - | | |
| 10 | 680 | 138.18 | 10300 | 0.88 | 36 | 2KJ3507- ■ DF23- ■ ■ E2 -Z - | | |
| 12 | 605 | 123.29 | 10800 | 0.99 | 36 | 2KJ3507- ■ DF23- ■ ■ D2 -Z - | | |
| 13 | 545 | 110.55 | 10900 | 1.1 | 36 | 2KJ3507- ■ DF23- ■ ■ C2 -Z - | | |
| 15 | 490 | 99.64 | 11100 | 1.2 | 36 | 2KJ3507- ■ DF23- ■ ■ B2 -Z - | | |
| 16 | 450 | 91.98 | 11200 | 1.3 | 36 | 2KJ3507- ■ DF23- ■ ■ A2 -Z - | | |
| 17 | 415 | 83.96 | 11200 | 1.4 | 36 | 2KJ3507- ■ DF23- ■ ■ X1 -Z - | | |
| 21 | 340 | 69.67 | 11100 | 1.7 | 36 | 2KJ3507- ■ DF23- ■ ■ W1 -Z - | | |
| 22 | 320 | 65.57 | 11000 | 1.9 | 36 | 2KJ3507- ■ DF23- ■ ■ V1 -Z - | | |
| 23 | 305 | 61.93 | 10800 | 2 | 36 | 2KJ3507- ■ DF23- ■ ■ U1 -Z - | | |
| 28 | 260 | 52.69 | 10500 | 2.3 | 36 | 2KJ3507- ■ DF23- ■ ■ T1 -Z - | | |
| K.49-LE80ZMQ4P | | | | | | | | |
| 15 | 480 | 97.71 | 7250 | 0.87 | 29 | 2KJ3505- ■ DF23- ■ ■ C2 -Z - | | |
| 16 | 435 | 88.83 | 7260 | 0.96 | 29 | 2KJ3505- ■ DF23- ■ ■ B2 -Z - | | |
| 19 | 380 | 77.81 | 7230 | 1.1 | 29 | 2KJ3505- ■ DF23- ■ ■ A2 -Z - | | |
| 20 | 355 | 71.82 | 7150 | 1.2 | 29 | 2KJ3505- ■ DF23- ■ ■ X1 -Z - | | |
| 23 | 310 | 63.59 | 7110 | 1.3 | 29 | 2KJ3505- ■ DF23- ■ ■ W1 -Z - | | |
| 27 | 260 | 52.93 | 6930 | 1.6 | 29 | 2KJ3505- ■ DF23- ■ ■ V1 -Z - | | |
| 29 | 245 | 49.82 | 6870 | 1.7 | 29 | 2KJ3505- ■ DF23- ■ ■ U1 -Z - | | |
| 32 | 220 | 44.63 | 6750 | 1.9 | 29 | 2KJ3505- ■ DF23- ■ ■ T1 -Z - | | |
| 38 | 188 | 38.00 | 6560 | 2.2 | 29 | 2KJ3505- ■ DF23- ■ ■ S1 -Z - | | |
| 45 | 161 | 32.57 | 6360 | 2.6 | 29 | 2KJ3505- ■ DF23- ■ ■ R1 -Z - | | |
| K.39-LE80ZMQ4P | | | | | | | | |
| 26 | 270 | 55.25 | 5890 | 0.81 | 22 | 2KJ3504- ■ DF23- ■ ■ X1 -Z - | | |
| 30 | 235 | 48.37 | 6000 | 0.92 | 22 | 2KJ3504- ■ DF23- ■ ■ W1 -Z - | | |
| 34 | 205 | 42.41 | 5930 | 1.1 | 22 | 2KJ3504- ■ DF23- ■ ■ V1 -Z - | | |
| 38 | 190 | 38.48 | 5810 | 1.2 | 22 | 2KJ3504- ■ DF23- ■ ■ U1 -Z - | | |
| 40 | 179 | 36.21 | 5760 | 1.2 | 22 | 2KJ3504- ■ DF23- ■ ■ T1 -Z - | | |
| 45 | 158 | 31.92 | 5650 | 1.4 | 22 | 2KJ3504- ■ DF23- ■ ■ S1 -Z - | | |
| 52 | 137 | 27.70 | 5510 | 1.6 | 22 | 2KJ3504- ■ DF23- ■ ■ R1 -Z - | | |
| 54 | 133 | 26.89 | 5480 | 1.7 | 22 | 2KJ3504- ■ DF23- ■ ■ Q1 -Z - | | |
| 60 | 118 | 23.97 | 5370 | 1.9 | 22 | 2KJ3504- ■ DF23- ■ ■ P1 -Z - | | |
| 66 | 109 | 22.12 | 5280 | 2 | 22 | 2KJ3504- ■ DF23- ■ ■ N1 -Z - | | |
| 75 | 96 | 19.37 | 5120 | 2.3 | 22 | 2KJ3504- ■ DF23- ■ ■ M1 -Z - | | |
| 85 | 84 | 16.98 | 4970 | 2.6 | 22 | 2KJ3504- ■ DF23- ■ ■ L1 -Z - | | |

Article No. supplement

| | | |
|-----------------------|------------------------|----------------|
| Shaft design | 1 or 9 | see page 10/51 |
| Frequency and voltage | 2 or 9 | see page 11/2 |
| Gearbox mounting type | A, F, H, C or D | see page 10/42 |

SIMOGEAR geared motors

Bevel geared motors

Geared motors up to 55 kW

Selection and ordering data

| P_N kW | n_2 rpm | T_2 Nm | i – | F_{R2} N | f_B – | m kg | Article No. (Article No. supplement, see below) | Additional identification code -Z with order code No. of poles |
|-----------------------|-----------------------|-------------|----------|---------------|------------|------------------------|--|--|
| 0.75 | K.39-LE80ZMQ4P | | | | | | | |
| | 94 | 76 | 15.41 | 4860 | 2.9 | 22 | 2KJ3504- DF23- K1 -Z - | |
| | 100 | 72 | 14.50 | 4790 | 3.1 | 22 | 2KJ3504- DF23- J1 -Z - | |
| | 113 | 63 | 12.78 | 4650 | 3.5 | 22 | 2KJ3504- DF23- H1 -Z - | |
| | 144 | 50 | 10.04 | 4290 | 3.7 | 22 | 2KJ3504- DF23- F1 -Z - | |
| | B.49-LE90SQ6P | | | | | | | |
| | 16 | 445 | 59.28 | 11200 | 1 | 28 | 2KJ3503- EC23- C2 -Z P01 | |
| | 18 | 405 | 53.89 | 11200 | 1.1 | 28 | 2KJ3503- EC23- B2 -Z P01 | |
| | 21 | 345 | 45.83 | 10900 | 1.3 | 28 | 2KJ3503- EC23- A2 -Z P01 | |
| | 23 | 315 | 41.67 | 10700 | 1.4 | 28 | 2KJ3503- EC23- X1 -Z P01 | |
| B.49-LE80ZMQ4P | | | | | | | | |
| 24 | 290 | 59.28 | 10500 | 1.5 | 27 | 2KJ3503- DF23- C2 -Z - | | |
| 27 | 265 | 53.89 | 10300 | 1.7 | 27 | 2KJ3503- DF23- B2 -Z - | | |
| 32 | 225 | 45.83 | 9980 | 2 | 27 | 2KJ3503- DF23- A2 -Z - | | |
| 35 | 205 | 41.67 | 9760 | 2.2 | 27 | 2KJ3503- DF23- X1 -Z - | | |
| 39 | 184 | 37.18 | 9480 | 2.5 | 27 | 2KJ3503- DF23- W1 -Z - | | |
| 44 | 165 | 33.33 | 9220 | 2.7 | 27 | 2KJ3503- DF23- V1 -Z - | | |
| B.39-LE80ZMQ4P | | | | | | | | |
| 29 | 245 | 50.11 | 6980 | 0.85 | 21 | 2KJ3502- DF23- X1 -Z - | | |
| 33 | 215 | 44.00 | 6980 | 1.2 | 21 | 2KJ3502- DF23- W1 -Z - | | |
| 36 | 198 | 40.00 | 6980 | 1.2 | 21 | 2KJ3502- DF23- V1 -Z - | | |
| 42 | 169 | 34.22 | 6980 | 1.5 | 21 | 2KJ3502- DF23- U1 -Z - | | |
| 47 | 154 | 31.11 | 6980 | 1.6 | 21 | 2KJ3502- DF23- T1 -Z - | | |
| 53 | 136 | 27.50 | 6980 | 1.8 | 21 | 2KJ3502- DF23- S1 -Z - | | |
| 58 | 123 | 25.00 | 6980 | 2 | 21 | 2KJ3502- DF23- R1 -Z - | | |
| 66 | 108 | 21.90 | 6980 | 2.3 | 21 | 2KJ3502- DF23- Q1 -Z - | | |
| 72 | 100 | 20.21 | 6980 | 2.5 | 21 | 2KJ3502- DF23- P1 -Z - | | |
| 81 | 88 | 17.90 | 6980 | 2.8 | 21 | 2KJ3502- DF23- N1 -Z - | | |
| 97 | 74 | 14.90 | 6980 | 3.4 | 21 | 2KJ3502- DF23- M1 -Z - | | |
| B.29-LE80ZMQ4P | | | | | | | | |
| 57 | 126 | 25.56 | 4050 | 0.87 | 16 | 2KJ3501- DF23- U1 -Z - | | |
| 65 | 111 | 22.41 | 4130 | 0.99 | 16 | 2KJ3501- DF23- T1 -Z - | | |
| 72 | 99 | 20.00 | 4190 | 1.1 | 16 | 2KJ3501- DF23- S1 -Z - | | |
| 81 | 88 | 17.82 | 4200 | 1.2 | 16 | 2KJ3501- DF23- R1 -Z - | | |
| 88 | 81 | 16.45 | 4200 | 1.4 | 16 | 2KJ3501- DF23- Q1 -Z - | | |
| 101 | 71 | 14.40 | 4200 | 1.5 | 16 | 2KJ3501- DF23- P1 -Z - | | |
| 115 | 62 | 12.63 | 4200 | 1.8 | 16 | 2KJ3501- DF23- N1 -Z - | | |
| 127 | 57 | 11.46 | 4140 | 1.9 | 16 | 2KJ3501- DF23- M1 -Z - | | |
| 135 | 53 | 10.78 | 4090 | 2.1 | 16 | 2KJ3501- DF23- L1 -Z - | | |
| 152 | 47 | 9.51 | 3950 | 2.3 | 16 | 2KJ3501- DF23- K1 -Z - | | |
| 176 | 41 | 8.25 | 3810 | 2.7 | 16 | 2KJ3501- DF23- J1 -Z - | | |
| 185 | 39 | 7.84 | 3720 | 1.9 | 16 | 2KJ3501- DF23- H1 -Z - | | |
| 196 | 36 | 7.38 | 3660 | 2.1 | 16 | 2KJ3501- DF23- G1 -Z - | | |
| 223 | 32 | 6.51 | 3540 | 2.3 | 16 | 2KJ3501- DF23- F1 -Z - | | |
| 257 | 28 | 5.65 | 3400 | 2.7 | 16 | 2KJ3501- DF23- E1 -Z - | | |
| 286 | 25 | 5.07 | 3340 | 3 | 16 | 2KJ3501- DF23- D1 -Z - | | |
| 303 | 24 | 4.78 | 3270 | 3.1 | 16 | 2KJ3501- DF23- C1 -Z - | | |
| 344 | 21 | 4.21 | 3160 | 3.6 | 16 | 2KJ3501- DF23- B1 -Z - | | |
| 397 | 18 | 3.65 | 3030 | 4 | 16 | 2KJ3501- DF23- A1 -Z - | | |
| B.19-LE80ZMQ4P | | | | | | | | |
| 115 | 62 | 12.66 | 1910 | 0.8 | 14 | 2KJ3500- DF23- N1 -Z - | | |
| 132 | 54 | 11.00 | 1910 | 0.92 | 14 | 2KJ3500- DF23- M1 -Z - | | |

Article No. supplement

| | | |
|-----------------------|------------------------|--------------------------------|
| Shaft design | 1 or 9 | see page 10/51 |
| Frequency and voltage | 2 or 9 | see page 11/2 |
| Gearbox mounting type | A, F, H, C or D | see page 10/42 |

Selection and ordering data

| P_N kW | n_2 rpm | T_2 Nm | i – | F_{R2} N | f_B – | m kg | Article No. (Article No. supplement, see below) | Additional identification code -Z with order code No. of poles |
|----------------------|--------------------------|-------------|----------|---------------|------------|------------------------|--|--|
| 0.75 | B.19-LE80ZMQ4P | | | | | | | |
| | 146 | 49 | 9.93 | 1910 | 1 | 14 | 2KJ3500- DF23- L1 -Z - | |
| | 155 | 46 | 9.35 | 1910 | 1.1 | 14 | 2KJ3500- DF23- K1 -Z - | |
| | 178 | 40 | 8.15 | 1910 | 1.2 | 14 | 2KJ3500- DF23- J1 -Z - | |
| | 184 | 39 | 7.87 | 1910 | 0.98 | 14 | 2KJ3500- DF23- H1 -Z - | |
| | 207 | 34 | 6.99 | 1910 | 1.1 | 14 | 2KJ3500- DF23- G1 -Z - | |
| | 225 | 32 | 6.45 | 1910 | 1.2 | 14 | 2KJ3500- DF23- F1 -Z - | |
| | 258 | 28 | 5.61 | 1910 | 1.3 | 14 | 2KJ3500- DF23- E1 -Z - | |
| | 298 | 24 | 4.87 | 1910 | 1.5 | 14 | 2KJ3500- DF23- D1 -Z - | |
| | 330 | 22 | 4.40 | 1910 | 1.6 | 14 | 2KJ3500- DF23- C1 -Z - | |
| | 350 | 20 | 4.14 | 1910 | 1.6 | 14 | 2KJ3500- DF23- B1 -Z - | |
| 402 | 18 | 3.61 | 1910 | 1.7 | 14 | 2KJ3500- DF23- A1 -Z - | | |
| 1.1 | K.129-LE100ZLSA6P | | | | | | | |
| | 4.2 | 2520 | 228.30 | 39400 | 1.7 | 170 | 2KJ3512- FN23- J2 -Z P01 | |
| | 4.5 | 2330 | 210.74 | 39600 | 1.9 | 170 | 2KJ3512- FN23- H2 -Z P01 | |
| | K.109-LE100ZLSA6P | | | | | | | |
| | 4.4 | 2390 | 216.65 | 24500 | 1.2 | 119 | 2KJ3511- FN23- H2 -Z P01 | |
| | 4.9 | 2160 | 195.60 | 24500 | 1.3 | 119 | 2KJ3511- FN23- G2 -Z P01 | |
| | 5.4 | 1960 | 177.43 | 24500 | 1.5 | 119 | 2KJ3511- FN23- F2 -Z P01 | |
| | 5.8 | 1810 | 163.78 | 24500 | 1.6 | 119 | 2KJ3511- FN23- E2 -Z P01 | |
| | 6.4 | 1640 | 148.88 | 24500 | 1.8 | 119 | 2KJ3511- FN23- D2 -Z P01 | |
| | K.109-LE90SM4P | | | | | | | |
| | 6.6 | 1580 | 216.65 | 24500 | 1.8 | 101 | 2KJ3511- EK23- H2 -Z - | |
| | 7.4 | 1420 | 195.60 | 24500 | 2 | 101 | 2KJ3511- EK23- G2 -Z - | |
| | K.89-LE100ZLSA6P | | | | | | | |
| | 5.6 | 1870 | 169.94 | 18100 | 0.85 | 84 | 2KJ3510- FN23- G2 -Z P01 | |
| | K.89-LE90SM4P | | | | | | | |
| | 6.2 | 1690 | 231.80 | 18100 | 0.95 | 64 | 2KJ3510- EK23- K2 -Z - | |
| | 6.8 | 1530 | 210.72 | 18100 | 1 | 64 | 2KJ3510- EK23- J2 -Z - | |
| | 7.6 | 1370 | 189.01 | 18100 | 1.2 | 64 | 2KJ3510- EK23- H2 -Z - | |
| | 8.5 | 1240 | 169.94 | 18100 | 1.3 | 64 | 2KJ3510- EK23- G2 -Z - | |
| | 9.4 | 1120 | 153.70 | 18100 | 1.4 | 64 | 2KJ3510- EK23- F2 -Z - | |
| | 10 | 1030 | 141.88 | 18100 | 1.5 | 64 | 2KJ3510- EK23- E2 -Z - | |
| | 11 | 945 | 129.96 | 18100 | 1.7 | 64 | 2KJ3510- EK23- D2 -Z - | |
| | 13 | 795 | 109.04 | 18100 | 2 | 64 | 2KJ3510- EK23- C2 -Z - | |
| | 14 | 745 | 102.63 | 18100 | 2.1 | 64 | 2KJ3510- EK23- B2 -Z - | |
| | K.79-LE90SM4P | | | | | | | |
| | 10 | 1000 | 137.35 | 13600 | 0.82 | 42 | 2KJ3508- EK23- D2 -Z - | |
| | 12 | 900 | 123.80 | 13800 | 0.91 | 42 | 2KJ3508- EK23- C2 -Z - | |
| 13 | 830 | 114.28 | 13900 | 0.98 | 42 | 2KJ3508- EK23- B2 -Z - | | |
| 14 | 760 | 104.32 | 14000 | 1.1 | 42 | 2KJ3508- EK23- A2 -Z - | | |
| 17 | 630 | 86.56 | 14300 | 1.3 | 42 | 2KJ3508- EK23- X1 -Z - | | |
| 18 | 590 | 81.47 | 14400 | 1.4 | 42 | 2KJ3508- EK23- W1 -Z - | | |
| 19 | 560 | 76.94 | 14400 | 1.5 | 42 | 2KJ3508- EK23- V1 -Z - | | |
| 22 | 475 | 65.47 | 14400 | 1.7 | 42 | 2KJ3508- EK23- U1 -Z - | | |
| 26 | 405 | 56.08 | 14400 | 2 | 42 | 2KJ3508- EK23- T1 -Z - | | |
| 29 | 360 | 49.31 | 14400 | 2.3 | 42 | 2KJ3508- EK23- S1 -Z - | | |
| 35 | 300 | 41.60 | 14400 | 2.6 | 42 | 2KJ3508- EK23- R1 -Z - | | |
| K.69-LE90SM4P | | | | | | | | |
| 14 | 725 | 99.64 | 10000 | 0.83 | 37 | 2KJ3507- EK23- B2 -Z - | | |
| 16 | 670 | 91.98 | 10100 | 0.89 | 37 | 2KJ3507- EK23- A2 -Z - | | |
| 17 | 610 | 83.96 | 10100 | 0.98 | 37 | 2KJ3507- EK23- X1 -Z - | | |

Article No. supplement

| | | |
|-----------------------|-----------------|--------------------------------|
| Shaft design | 1 or 9 | see page 10/51 |
| Frequency and voltage | 2 or 9 | see page 11/2 |
| Gearbox mounting type | A, F, H, C or D | see page 10/42 |

SIMOGEAR geared motors

Bevel geared motors

Geared motors up to 55 kW

Selection and ordering data

| P_N kW | n_2 rpm | T_2 Nm | i – | F_{R2} N | f_B – | m kg | Article No. (Article No. supplement, see below) | Additional identification code -Z with order code No. of poles |
|-------------|----------------------|-------------|----------|---------------|------------|------------------------------|--|--|
| 1.1 | K.69-LE90SM4P | | | | | | | |
| | 21 | 505 | 69.67 | 10000 | 1.2 | 37 | 2KJ3507- ■ EK23- ■ ■ W1 -Z - | |
| | 22 | 475 | 65.57 | 9950 | 1.3 | 37 | 2KJ3507- ■ EK23- ■ ■ V1 -Z - | |
| | 23 | 450 | 61.93 | 9880 | 1.3 | 37 | 2KJ3507- ■ EK23- ■ ■ U1 -Z - | |
| | 27 | 380 | 52.69 | 9690 | 1.6 | 37 | 2KJ3507- ■ EK23- ■ ■ T1 -Z - | |
| | 32 | 325 | 45.14 | 9460 | 1.8 | 37 | 2KJ3507- ■ EK23- ■ ■ S1 -Z - | |
| | 36 | 290 | 39.69 | 9220 | 2.1 | 37 | 2KJ3507- ■ EK23- ■ ■ R1 -Z - | |
| | 43 | 240 | 33.48 | 8950 | 2.4 | 37 | 2KJ3507- ■ EK23- ■ ■ Q1 -Z - | |
| 49 | 210 | 29.18 | 8690 | 2.6 | 37 | 2KJ3507- ■ EK23- ■ ■ P1 -Z - | | |
| | K.49-LE90SM4P | | | | | | | |
| | 20 | 520 | 71.82 | 5890 | 0.8 | 30 | 2KJ3505- ■ EK23- ■ ■ X1 -Z - | |
| | 23 | 460 | 63.59 | 5960 | 0.91 | 30 | 2KJ3505- ■ EK23- ■ ■ W1 -Z - | |
| | 27 | 385 | 52.93 | 5980 | 1.1 | 30 | 2KJ3505- ■ EK23- ■ ■ V1 -Z - | |
| | 29 | 360 | 49.82 | 5990 | 1.2 | 30 | 2KJ3505- ■ EK23- ■ ■ U1 -Z - | |
| | 32 | 325 | 44.63 | 5950 | 1.3 | 30 | 2KJ3505- ■ EK23- ■ ■ T1 -Z - | |
| | 38 | 275 | 38.00 | 5900 | 1.5 | 30 | 2KJ3505- ■ EK23- ■ ■ S1 -Z - | |
| | 44 | 235 | 32.57 | 5800 | 1.8 | 30 | 2KJ3505- ■ EK23- ■ ■ R1 -Z - | |
| | 51 | 205 | 28.05 | 5670 | 2.1 | 30 | 2KJ3505- ■ EK23- ■ ■ Q1 -Z - | |
| | 55 | 192 | 26.30 | 5610 | 2.2 | 30 | 2KJ3505- ■ EK23- ■ ■ P1 -Z - | |
| | 62 | 170 | 23.28 | 5500 | 2.5 | 30 | 2KJ3505- ■ EK23- ■ ■ N1 -Z - | |
| | 74 | 141 | 19.38 | 5320 | 3 | 30 | 2KJ3505- ■ EK23- ■ ■ M1 -Z - | |
| | 79 | 133 | 18.24 | 5260 | 3.2 | 30 | 2KJ3505- ■ EK23- ■ ■ L1 -Z - | |
| | 148 | 71 | 9.75 | 4520 | 3.9 | 30 | 2KJ3505- ■ EK23- ■ ■ F1 -Z - | |
| | 157 | 67 | 9.18 | 4450 | 4 | 30 | 2KJ3505- ■ EK23- ■ ■ E1 -Z - | |
| | K.39-LE90SM4P | | | | | | | |
| | 40 | 260 | 36.21 | 5050 | 0.83 | 24 | 2KJ3504- ■ EK23- ■ ■ T1 -Z - | |
| | 45 | 230 | 31.92 | 5010 | 0.94 | 24 | 2KJ3504- ■ EK23- ■ ■ S1 -Z - | |
| | 52 | 200 | 27.70 | 4960 | 1.1 | 24 | 2KJ3504- ■ EK23- ■ ■ R1 -Z - | |
| | 54 | 196 | 26.89 | 4930 | 1.1 | 24 | 2KJ3504- ■ EK23- ■ ■ Q1 -Z - | |
| | 60 | 175 | 23.97 | 4860 | 1.3 | 24 | 2KJ3504- ■ EK23- ■ ■ P1 -Z - | |
| | 65 | 161 | 22.12 | 4820 | 1.4 | 24 | 2KJ3504- ■ EK23- ■ ■ N1 -Z - | |
| | 74 | 141 | 19.37 | 4730 | 1.6 | 24 | 2KJ3504- ■ EK23- ■ ■ M1 -Z - | |
| | 85 | 124 | 16.98 | 4630 | 1.8 | 24 | 2KJ3504- ■ EK23- ■ ■ L1 -Z - | |
| | 93 | 112 | 15.41 | 4550 | 2 | 24 | 2KJ3504- ■ EK23- ■ ■ K1 -Z - | |
| | 99 | 106 | 14.50 | 4490 | 2.1 | 24 | 2KJ3504- ■ EK23- ■ ■ J1 -Z - | |
| | 113 | 93 | 12.78 | 4390 | 2.4 | 24 | 2KJ3504- ■ EK23- ■ ■ H1 -Z - | |
| | 130 | 81 | 11.09 | 4250 | 2.7 | 24 | 2KJ3504- ■ EK23- ■ ■ G1 -Z - | |
| | 143 | 73 | 10.04 | 4060 | 2.5 | 24 | 2KJ3504- ■ EK23- ■ ■ F1 -Z - | |
| | 163 | 64 | 8.81 | 3950 | 2.8 | 24 | 2KJ3504- ■ EK23- ■ ■ E1 -Z - | |
| | 180 | 58 | 7.99 | 3860 | 3 | 24 | 2KJ3504- ■ EK23- ■ ■ D1 -Z - | |
| | 191 | 55 | 7.52 | 3800 | 3.1 | 24 | 2KJ3504- ■ EK23- ■ ■ C1 -Z - | |
| | 217 | 48 | 6.63 | 3700 | 3.3 | 24 | 2KJ3504- ■ EK23- ■ ■ B1 -Z - | |
| 250 | 42 | 5.75 | 3570 | 3.6 | 24 | 2KJ3504- ■ EK23- ■ ■ A1 -Z - | | |
| | B.49-LE90SM4P | | | | | | | |
| | 24 | 430 | 59.28 | 9670 | 1 | 28 | 2KJ3503- ■ EK23- ■ ■ C2 -Z - | |
| | 27 | 390 | 53.89 | 9550 | 1.1 | 28 | 2KJ3503- ■ EK23- ■ ■ B2 -Z - | |
| | 31 | 330 | 45.83 | 9310 | 1.3 | 28 | 2KJ3503- ■ EK23- ■ ■ A2 -Z - | |
| | 35 | 300 | 41.67 | 9150 | 1.5 | 28 | 2KJ3503- ■ EK23- ■ ■ X1 -Z - | |
| | 39 | 270 | 37.18 | 8930 | 1.7 | 28 | 2KJ3503- ■ EK23- ■ ■ W1 -Z - | |
| | 43 | 240 | 33.33 | 8750 | 1.9 | 28 | 2KJ3503- ■ EK23- ■ ■ V1 -Z - | |
| 48 | 215 | 30.05 | 8560 | 2.1 | 28 | 2KJ3503- ■ EK23- ■ ■ U1 -Z - | | |

Article No. supplement

| | | |
|-----------------------|------------------------|--------------------------------|
| Shaft design | 1 or 9 | see page 10/51 |
| Frequency and voltage | 2 or 9 | see page 11/2 |
| Gearbox mounting type | A, F, H, C or D | see page 10/42 |

Selection and ordering data

| P_N kW | n_2 rpm | T_2 Nm | i – | F_{R2} N | f_B – | m kg | Article No. (Article No. supplement, see below) | Additional identification code -Z with order code No. of poles |
|----------------------|--------------------------|-------------|----------|---------------|------------|------------------------------|--|--|
| 1.1 | B.49-LE90SM4P | | | | | | | |
| | 52 | 200 | 27.74 | 8400 | 2.2 | 28 | 2KJ3503- ■ EK23- ■ ■ T1 -Z - | |
| | 57 | 185 | 25.32 | 8210 | 2.4 | 28 | 2KJ3503- ■ EK23- ■ ■ S1 -Z - | |
| | 69 | 153 | 21.01 | 7850 | 2.9 | 28 | 2KJ3503- ■ EK23- ■ ■ R1 -Z - | |
| | 73 | 144 | 19.77 | 7730 | 3.1 | 28 | 2KJ3503- ■ EK23- ■ ■ Q1 -Z - | |
| | B.39-LE90SM4P | | | | | | | |
| | 42 | 250 | 34.22 | 6980 | 1 | 23 | 2KJ3502- ■ EK23- ■ ■ U1 -Z - | |
| | 46 | 225 | 31.11 | 6980 | 1.1 | 23 | 2KJ3502- ■ EK23- ■ ■ T1 -Z - | |
| | 52 | 200 | 27.50 | 6980 | 1.2 | 23 | 2KJ3502- ■ EK23- ■ ■ S1 -Z - | |
| | 58 | 182 | 25.00 | 6980 | 1.4 | 23 | 2KJ3502- ■ EK23- ■ ■ R1 -Z - | |
| | 66 | 160 | 21.90 | 6980 | 1.6 | 23 | 2KJ3502- ■ EK23- ■ ■ Q1 -Z - | |
| | 71 | 147 | 20.21 | 6980 | 1.7 | 23 | 2KJ3502- ■ EK23- ■ ■ P1 -Z - | |
| | 80 | 131 | 17.90 | 6980 | 1.9 | 23 | 2KJ3502- ■ EK23- ■ ■ N1 -Z - | |
| | 97 | 109 | 14.90 | 6790 | 2.3 | 23 | 2KJ3502- ■ EK23- ■ ■ M1 -Z - | |
| | 103 | 102 | 14.02 | 6690 | 2.4 | 23 | 2KJ3502- ■ EK23- ■ ■ L1 -Z - | |
| 115 | 92 | 12.56 | 6500 | 2.7 | 23 | 2KJ3502- ■ EK23- ■ ■ K1 -Z - | | |
| 135 | 78 | 10.69 | 6230 | 3.1 | 23 | 2KJ3502- ■ EK23- ■ ■ J1 -Z - | | |
| 157 | 67 | 9.17 | 5970 | 3.4 | 23 | 2KJ3502- ■ EK23- ■ ■ H1 -Z - | | |
| 183 | 58 | 7.89 | 5720 | 3.8 | 23 | 2KJ3502- ■ EK23- ■ ■ G1 -Z - | | |
| 218 | 48 | 6.60 | 5480 | 4.2 | 23 | 2KJ3502- ■ EK23- ■ ■ F1 -Z - | | |
| 232 | 45 | 6.21 | 5380 | 4.4 | 23 | 2KJ3502- ■ EK23- ■ ■ E1 -Z - | | |
| B.29-LE90SM4P | | | | | | | | |
| 81 | 130 | 17.82 | 4030 | 0.85 | 18 | 2KJ3501- ■ EK23- ■ ■ R1 -Z - | | |
| 88 | 120 | 16.45 | 4080 | 0.92 | 18 | 2KJ3501- ■ EK23- ■ ■ Q1 -Z - | | |
| 100 | 105 | 14.40 | 4080 | 1 | 18 | 2KJ3501- ■ EK23- ■ ■ P1 -Z - | | |
| 114 | 92 | 12.63 | 3980 | 1.2 | 18 | 2KJ3501- ■ EK23- ■ ■ N1 -Z - | | |
| 126 | 84 | 11.46 | 3900 | 1.3 | 18 | 2KJ3501- ■ EK23- ■ ■ M1 -Z - | | |
| 134 | 79 | 10.78 | 3860 | 1.4 | 18 | 2KJ3501- ■ EK23- ■ ■ L1 -Z - | | |
| 151 | 69 | 9.51 | 3760 | 1.6 | 18 | 2KJ3501- ■ EK23- ■ ■ K1 -Z - | | |
| 175 | 60 | 8.25 | 3640 | 1.8 | 18 | 2KJ3501- ■ EK23- ■ ■ J1 -Z - | | |
| 184 | 57 | 7.84 | 3540 | 1.3 | 18 | 2KJ3501- ■ EK23- ■ ■ H1 -Z - | | |
| 195 | 54 | 7.38 | 3490 | 1.4 | 18 | 2KJ3501- ■ EK23- ■ ■ G1 -Z - | | |
| 221 | 48 | 6.51 | 3380 | 1.6 | 18 | 2KJ3501- ■ EK23- ■ ■ F1 -Z - | | |
| 255 | 41 | 5.65 | 3280 | 1.8 | 18 | 2KJ3501- ■ EK23- ■ ■ E1 -Z - | | |
| 284 | 37 | 5.07 | 3240 | 2 | 18 | 2KJ3501- ■ EK23- ■ ■ D1 -Z - | | |
| 301 | 35 | 4.78 | 3180 | 2.1 | 18 | 2KJ3501- ■ EK23- ■ ■ C1 -Z - | | |
| 342 | 31 | 4.21 | 3080 | 2.4 | 18 | 2KJ3501- ■ EK23- ■ ■ B1 -Z - | | |
| 395 | 27 | 3.65 | 2960 | 2.7 | 18 | 2KJ3501- ■ EK23- ■ ■ A1 -Z - | | |
| 1.5 | K.129-LE112ZMKA6P | | | | | | | |
| | 4.3 | 3350 | 228.30 | 38600 | 1.3 | 170 | 2KJ3512- ■ GH23- ■ ■ J2 -Z P01 | |
| | 4.6 | 3090 | 210.74 | 38900 | 1.4 | 170 | 2KJ3512- ■ GH23- ■ ■ H2 -Z P01 | |
| | 5 | 2850 | 194.04 | 39100 | 1.5 | 170 | 2KJ3512- ■ GH23- ■ ■ G2 -Z P01 | |
| | 5.9 | 2430 | 165.47 | 39500 | 1.8 | 170 | 2KJ3512- ■ GH23- ■ ■ F2 -Z P01 | |
| | K.129-LE90ZLR4P | | | | | | | |
| | 6.3 | 2260 | 228.30 | 39700 | 1.9 | 154 | 2KJ3512- ■ EM23- ■ ■ J2 -Z - | |
| | 6.9 | 2080 | 210.74 | 39900 | 2.1 | 154 | 2KJ3512- ■ EM23- ■ ■ H2 -Z - | |
| | K.109-LE112ZMKA6P | | | | | | | |
| | 4.5 | 3180 | 216.65 | 24500 | 0.91 | 120 | 2KJ3511- ■ GH23- ■ ■ H2 -Z P01 | |
| | 5 | 2870 | 195.60 | 24500 | 1 | 120 | 2KJ3511- ■ GH23- ■ ■ G2 -Z P01 | |
| | 5.5 | 2600 | 177.43 | 24500 | 1.1 | 120 | 2KJ3511- ■ GH23- ■ ■ F2 -Z P01 | |
| | 6 | 2400 | 163.78 | 24500 | 1.2 | 120 | 2KJ3511- ■ GH23- ■ ■ E2 -Z P01 | |

Article No. supplement

| | | |
|-----------------------|------------------------|----------------|
| Shaft design | 1 or 9 | see page 10/51 |
| Frequency and voltage | 2 or 9 | see page 11/2 |
| Gearbox mounting type | A, F, H, C or D | see page 10/42 |

SIMOGEAR geared motors

Bevel geared motors

Geared motors up to 55 kW

Selection and ordering data

| P_N kW | n_2 rpm | T_2 Nm | i – | F_{R2} N | f_B – | m kg | Article No. (Article No. supplement, see below) | Additional identification code -Z with order code No. of poles |
|-----------------------|------------------------|-------------|----------|---------------|------------|------------------------------|--|--|
| 1.5 | K.109-LE90ZLR4P | | | | | | | |
| | 6.7 | 2140 | 216.65 | 24500 | 1.4 | 104 | 2KJ3511- ■ EM23- ■ ■ H2 -Z - | |
| | 7.4 | 1930 | 195.60 | 24500 | 1.5 | 104 | 2KJ3511- ■ EM23- ■ ■ G2 -Z - | |
| | 8.1 | 1750 | 177.43 | 24500 | 1.6 | 104 | 2KJ3511- ■ EM23- ■ ■ F2 -Z - | |
| | 8.8 | 1620 | 163.78 | 24500 | 1.8 | 104 | 2KJ3511- ■ EM23- ■ ■ E2 -Z - | |
| | 9.7 | 1470 | 148.88 | 24500 | 2 | 104 | 2KJ3511- ■ EM23- ■ ■ D2 -Z - | |
| | K.89-LE90ZLR4P | | | | | | | |
| | 7.6 | 1870 | 189.01 | 18100 | 0.85 | 67 | 2KJ3510- ■ EM23- ■ ■ H2 -Z - | |
| | 8.5 | 1680 | 169.94 | 18100 | 0.95 | 67 | 2KJ3510- ■ EM23- ■ ■ G2 -Z - | |
| | 9.4 | 1520 | 153.70 | 18100 | 1.1 | 67 | 2KJ3510- ■ EM23- ■ ■ F2 -Z - | |
| | 10 | 1400 | 141.88 | 18100 | 1.1 | 67 | 2KJ3510- ■ EM23- ■ ■ E2 -Z - | |
| | 11 | 1280 | 129.96 | 18100 | 1.2 | 67 | 2KJ3510- ■ EM23- ■ ■ D2 -Z - | |
| | 13 | 1080 | 109.04 | 18100 | 1.5 | 67 | 2KJ3510- ■ EM23- ■ ■ C2 -Z - | |
| | 14 | 1010 | 102.63 | 18100 | 1.6 | 67 | 2KJ3510- ■ EM23- ■ ■ B2 -Z - | |
| | 15 | 930 | 94.16 | 18100 | 1.7 | 67 | 2KJ3510- ■ EM23- ■ ■ A2 -Z - | |
| 18 | 815 | 82.25 | 18100 | 2 | 67 | 2KJ3510- ■ EM23- ■ ■ X1 -Z - | | |
| 20 | 730 | 73.64 | 18100 | 2.2 | 67 | 2KJ3510- ■ EM23- ■ ■ W1 -Z - | | |
| K.79-LE90ZLR4P | | | | | | | | |
| 17 | 855 | 86.56 | 13900 | 0.96 | 45 | 2KJ3508- ■ EM23- ■ ■ X1 -Z - | | |
| 18 | 805 | 81.47 | 14000 | 1 | 45 | 2KJ3508- ■ EM23- ■ ■ W1 -Z - | | |
| 19 | 760 | 76.94 | 14000 | 1.1 | 45 | 2KJ3508- ■ EM23- ■ ■ V1 -Z - | | |
| 22 | 645 | 65.47 | 14300 | 1.3 | 45 | 2KJ3508- ■ EM23- ■ ■ U1 -Z - | | |
| 26 | 555 | 56.08 | 14400 | 1.5 | 45 | 2KJ3508- ■ EM23- ■ ■ T1 -Z - | | |
| 29 | 485 | 49.31 | 14400 | 1.7 | 45 | 2KJ3508- ■ EM23- ■ ■ S1 -Z - | | |
| 35 | 410 | 41.60 | 14400 | 1.9 | 45 | 2KJ3508- ■ EM23- ■ ■ R1 -Z - | | |
| 40 | 355 | 36.26 | 14400 | 2.1 | 45 | 2KJ3508- ■ EM23- ■ ■ Q1 -Z - | | |
| 44 | 325 | 32.78 | 14400 | 2.5 | 45 | 2KJ3508- ■ EM23- ■ ■ P1 -Z - | | |
| K.69-LE90ZLR4P | | | | | | | | |
| 21 | 690 | 69.67 | 8680 | 0.87 | 40 | 2KJ3507- ■ EM23- ■ ■ W1 -Z - | | |
| 22 | 650 | 65.57 | 8690 | 0.92 | 40 | 2KJ3507- ■ EM23- ■ ■ V1 -Z - | | |
| 23 | 610 | 61.93 | 8720 | 0.98 | 40 | 2KJ3507- ■ EM23- ■ ■ U1 -Z - | | |
| 27 | 520 | 52.69 | 8680 | 1.1 | 40 | 2KJ3507- ■ EM23- ■ ■ T1 -Z - | | |
| 32 | 445 | 45.14 | 8590 | 1.3 | 40 | 2KJ3507- ■ EM23- ■ ■ S1 -Z - | | |
| 36 | 390 | 39.69 | 8490 | 1.5 | 40 | 2KJ3507- ■ EM23- ■ ■ R1 -Z - | | |
| 43 | 330 | 33.48 | 8300 | 1.7 | 40 | 2KJ3507- ■ EM23- ■ ■ Q1 -Z - | | |
| 50 | 285 | 29.18 | 8140 | 1.9 | 40 | 2KJ3507- ■ EM23- ■ ■ P1 -Z - | | |
| 55 | 255 | 26.05 | 7980 | 2.3 | 40 | 2KJ3507- ■ EM23- ■ ■ N1 -Z - | | |
| 59 | 240 | 24.52 | 7890 | 2.4 | 40 | 2KJ3507- ■ EM23- ■ ■ M1 -Z - | | |
| 62 | 225 | 23.15 | 7810 | 2.5 | 40 | 2KJ3507- ■ EM23- ■ ■ L1 -Z - | | |
| 73 | 195 | 19.70 | 7530 | 2.8 | 40 | 2KJ3507- ■ EM23- ■ ■ K1 -Z - | | |
| 86 | 167 | 16.88 | 7280 | 3.2 | 40 | 2KJ3507- ■ EM23- ■ ■ J1 -Z - | | |
| 97 | 147 | 14.84 | 7070 | 3.5 | 40 | 2KJ3507- ■ EM23- ■ ■ H1 -Z - | | |
| 155 | 93 | 9.34 | 6130 | 4 | 40 | 2KJ3507- ■ EM23- ■ ■ E1 -Z - | | |
| K.49-LE90ZLR4P | | | | | | | | |
| 27 | 525 | 52.93 | 4880 | 0.8 | 33 | 2KJ3505- ■ EM23- ■ ■ V1 -Z - | | |
| 29 | 490 | 49.82 | 4970 | 0.85 | 33 | 2KJ3505- ■ EM23- ■ ■ U1 -Z - | | |
| 32 | 440 | 44.63 | 5040 | 0.95 | 33 | 2KJ3505- ■ EM23- ■ ■ T1 -Z - | | |
| 38 | 375 | 38.00 | 5110 | 1.1 | 33 | 2KJ3505- ■ EM23- ■ ■ S1 -Z - | | |
| 44 | 320 | 32.57 | 5130 | 1.3 | 33 | 2KJ3505- ■ EM23- ■ ■ R1 -Z - | | |
| 52 | 275 | 28.05 | 5110 | 1.5 | 33 | 2KJ3505- ■ EM23- ■ ■ Q1 -Z - | | |
| 55 | 260 | 26.30 | 5080 | 1.6 | 33 | 2KJ3505- ■ EM23- ■ ■ P1 -Z - | | |
| 62 | 230 | 23.28 | 5030 | 1.8 | 33 | 2KJ3505- ■ EM23- ■ ■ N1 -Z - | | |

Article No. supplement

| | | |
|-----------------------|------------------------|--------------------------------|
| Shaft design | 1 or 9 | see page 10/51 |
| Frequency and voltage | 2 or 9 | see page 11/2 |
| Gearbox mounting type | A, F, H, C or D | see page 10/42 |

Selection and ordering data

| P_N kW | n_2 rpm | T_2 Nm | i – | F_{R2} N | f_B – | m kg | Article No. (Article No. supplement, see below) | Additional identification code -Z with order code No. of poles |
|-----------------------|-----------------------|-------------|----------|---------------|------------|------------------------------|--|--|
| 1.5 | K.49-LE90ZLR4P | | | | | | | |
| | 75 | 192 | 19.38 | 4920 | 2.2 | 33 | 2KJ3505- ■ EM23- ■ ■ M1 -Z - | |
| | 79 | 181 | 18.24 | 4880 | 2.3 | 33 | 2KJ3505- ■ EM23- ■ ■ L1 -Z - | |
| | 88 | 162 | 16.34 | 4800 | 2.6 | 33 | 2KJ3505- ■ EM23- ■ ■ K1 -Z - | |
| | 104 | 138 | 13.91 | 4670 | 3 | 33 | 2KJ3505- ■ EM23- ■ ■ J1 -Z - | |
| | 121 | 118 | 11.93 | 4540 | 3.6 | 33 | 2KJ3505- ■ EM23- ■ ■ H1 -Z - | |
| | 148 | 97 | 9.75 | 4290 | 2.8 | 33 | 2KJ3505- ■ EM23- ■ ■ F1 -Z - | |
| | 157 | 91 | 9.18 | 4240 | 3 | 33 | 2KJ3505- ■ EM23- ■ ■ E1 -Z - | |
| | 176 | 82 | 8.22 | 4140 | 3.1 | 33 | 2KJ3505- ■ EM23- ■ ■ D1 -Z - | |
| | 206 | 69 | 7.00 | 3990 | 3.5 | 33 | 2KJ3505- ■ EM23- ■ ■ C1 -Z - | |
| | 241 | 60 | 6.00 | 3840 | 3.8 | 33 | 2KJ3505- ■ EM23- ■ ■ B1 -Z - | |
| | 279 | 51 | 5.17 | 3700 | 4.1 | 33 | 2KJ3505- ■ EM23- ■ ■ A1 -Z - | |
| | K.39-LE90ZLR4P | | | | | | | |
| | 52 | 275 | 27.70 | 4270 | 0.8 | 27 | 2KJ3504- ■ EM23- ■ ■ R1 -Z - | |
| | 54 | 265 | 26.89 | 4290 | 0.83 | 27 | 2KJ3504- ■ EM23- ■ ■ Q1 -Z - | |
| | 60 | 235 | 23.97 | 4310 | 0.93 | 27 | 2KJ3504- ■ EM23- ■ ■ P1 -Z - | |
| | 65 | 215 | 22.12 | 4320 | 1 | 27 | 2KJ3504- ■ EM23- ■ ■ N1 -Z - | |
| | 75 | 192 | 19.37 | 4260 | 1.1 | 27 | 2KJ3504- ■ EM23- ■ ■ M1 -Z - | |
| | 85 | 168 | 16.98 | 4220 | 1.3 | 27 | 2KJ3504- ■ EM23- ■ ■ L1 -Z - | |
| | 94 | 153 | 15.41 | 4170 | 1.4 | 27 | 2KJ3504- ■ EM23- ■ ■ K1 -Z - | |
| | 100 | 144 | 14.50 | 4140 | 1.5 | 27 | 2KJ3504- ■ EM23- ■ ■ J1 -Z - | |
| | 113 | 127 | 12.78 | 4070 | 1.7 | 27 | 2KJ3504- ■ EM23- ■ ■ H1 -Z - | |
| | 130 | 110 | 11.09 | 3980 | 2 | 27 | 2KJ3504- ■ EM23- ■ ■ G1 -Z - | |
| | 144 | 100 | 10.04 | 3770 | 1.8 | 27 | 2KJ3504- ■ EM23- ■ ■ F1 -Z - | |
| | 164 | 87 | 8.81 | 3700 | 2.1 | 27 | 2KJ3504- ■ EM23- ■ ■ E1 -Z - | |
| | 181 | 79 | 7.99 | 3640 | 2.2 | 27 | 2KJ3504- ■ EM23- ■ ■ D1 -Z - | |
| | 192 | 74 | 7.52 | 3600 | 2.3 | 27 | 2KJ3504- ■ EM23- ■ ■ C1 -Z - | |
| | 218 | 66 | 6.63 | 3500 | 2.4 | 27 | 2KJ3504- ■ EM23- ■ ■ B1 -Z - | |
| | 251 | 57 | 5.75 | 3400 | 2.6 | 27 | 2KJ3504- ■ EM23- ■ ■ A1 -Z - | |
| | B.49-LE90ZLR4P | | | | | | | |
| | 27 | 530 | 53.89 | 8600 | 0.84 | 31 | 2KJ3503- ■ EM23- ■ ■ B2 -Z - | |
| | 32 | 450 | 45.83 | 8500 | 0.99 | 31 | 2KJ3503- ■ EM23- ■ ■ A2 -Z - | |
| | 35 | 410 | 41.67 | 8400 | 1.1 | 31 | 2KJ3503- ■ EM23- ■ ■ X1 -Z - | |
| 39 | 365 | 37.18 | 8290 | 1.2 | 31 | 2KJ3503- ■ EM23- ■ ■ W1 -Z - | | |
| 43 | 330 | 33.33 | 8140 | 1.4 | 31 | 2KJ3503- ■ EM23- ■ ■ V1 -Z - | | |
| 48 | 295 | 30.05 | 8020 | 1.5 | 31 | 2KJ3503- ■ EM23- ■ ■ U1 -Z - | | |
| 52 | 275 | 27.74 | 7890 | 1.6 | 31 | 2KJ3503- ■ EM23- ■ ■ T1 -Z - | | |
| 57 | 250 | 25.32 | 7760 | 1.8 | 31 | 2KJ3503- ■ EM23- ■ ■ S1 -Z - | | |
| 69 | 205 | 21.01 | 7490 | 2.2 | 31 | 2KJ3503- ■ EM23- ■ ■ R1 -Z - | | |
| 73 | 196 | 19.77 | 7380 | 2.3 | 31 | 2KJ3503- ■ EM23- ■ ■ Q1 -Z - | | |
| 77 | 185 | 18.67 | 7290 | 2.4 | 31 | 2KJ3503- ■ EM23- ■ ■ P1 -Z - | | |
| 91 | 158 | 15.89 | 7020 | 2.9 | 31 | 2KJ3503- ■ EM23- ■ ■ N1 -Z - | | |
| 106 | 135 | 13.61 | 6770 | 3.3 | 31 | 2KJ3503- ■ EM23- ■ ■ M1 -Z - | | |
| 174 | 82 | 8.29 | 6000 | 4 | 31 | 2KJ3503- ■ EM23- ■ ■ H1 -Z - | | |
| 185 | 77 | 7.80 | 5900 | 4.3 | 31 | 2KJ3503- ■ EM23- ■ ■ G1 -Z - | | |
| B.39-LE90ZLR4P | | | | | | | | |
| 46 | 305 | 31.11 | 6980 | 0.81 | 26 | 2KJ3502- ■ EM23- ■ ■ T1 -Z - | | |
| 53 | 270 | 27.50 | 6980 | 0.92 | 26 | 2KJ3502- ■ EM23- ■ ■ S1 -Z - | | |
| 58 | 245 | 25.00 | 6980 | 1 | 26 | 2KJ3502- ■ EM23- ■ ■ R1 -Z - | | |
| 66 | 215 | 21.90 | 6980 | 1.2 | 26 | 2KJ3502- ■ EM23- ■ ■ Q1 -Z - | | |
| 71 | 200 | 20.21 | 6890 | 1.2 | 26 | 2KJ3502- ■ EM23- ■ ■ P1 -Z - | | |

Article No. supplement

| | | |
|-----------------------|------------------------|----------------|
| Shaft design | 1 or 9 | see page 10/51 |
| Frequency and voltage | 2 or 9 | see page 11/2 |
| Gearbox mounting type | A, F, H, C or D | see page 10/42 |

SIMOGEAR geared motors

Bevel geared motors

Geared motors up to 55 kW

Selection and ordering data

| P_N kW | n_2 rpm | T_2 Nm | i – | F_{R2} N | f_B – | m kg | Article No. (Article No. supplement, see below) | Additional identification code -Z with order code No. of poles | |
|-------------|--------------------------|-------------------------|----------|---------------|------------|------------------------------|--|--|--|
| 1.5 | B.39-LE90ZLR4P | | | | | | | | |
| | 81 | 177 | 17.90 | 6730 | 1.4 | 26 | 2KJ3502- ■ EM23- ■ ■ N1 -Z - | | |
| | 97 | 148 | 14.90 | 6480 | 1.7 | 26 | 2KJ3502- ■ EM23- ■ ■ M1 -Z - | | |
| | 103 | 139 | 14.02 | 6390 | 1.8 | 26 | 2KJ3502- ■ EM23- ■ ■ L1 -Z - | | |
| | 115 | 125 | 12.56 | 6230 | 2 | 26 | 2KJ3502- ■ EM23- ■ ■ K1 -Z - | | |
| | 135 | 106 | 10.69 | 6000 | 2.3 | 26 | 2KJ3502- ■ EM23- ■ ■ J1 -Z - | | |
| | 158 | 91 | 9.17 | 5780 | 2.5 | 26 | 2KJ3502- ■ EM23- ■ ■ H1 -Z - | | |
| | 183 | 78 | 7.89 | 5560 | 2.8 | 26 | 2KJ3502- ■ EM23- ■ ■ G1 -Z - | | |
| | 219 | 65 | 6.60 | 5350 | 3.1 | 26 | 2KJ3502- ■ EM23- ■ ■ F1 -Z - | | |
| | 233 | 62 | 6.21 | 5260 | 3.2 | 26 | 2KJ3502- ■ EM23- ■ ■ E1 -Z - | | |
| | 260 | 55 | 5.56 | 5100 | 3.6 | 26 | 2KJ3502- ■ EM23- ■ ■ D1 -Z - | | |
| | 305 | 47 | 4.74 | 4870 | 4.3 | 26 | 2KJ3502- ■ EM23- ■ ■ C1 -Z - | | |
| | 356 | 40 | 4.06 | 4660 | 5 | 26 | 2KJ3502- ■ EM23- ■ ■ B1 -Z - | | |
| | 413 | 35 | 3.50 | 4450 | 5.5 | 26 | 2KJ3502- ■ EM23- ■ ■ A1 -Z - | | |
| | 1.5 | B.29-LE90ZLR4P | | | | | | | |
| | | 114 | 125 | 12.63 | 3670 | 0.88 | 21 | 2KJ3501- ■ EM23- ■ ■ N1 -Z - | |
| | | 126 | 114 | 11.46 | 3620 | 0.97 | 21 | 2KJ3501- ■ EM23- ■ ■ M1 -Z - | |
| | | 134 | 107 | 10.78 | 3590 | 1 | 21 | 2KJ3501- ■ EM23- ■ ■ L1 -Z - | |
| | | 152 | 94 | 9.51 | 3520 | 1.2 | 21 | 2KJ3501- ■ EM23- ■ ■ K1 -Z - | |
| | | 175 | 82 | 8.25 | 3430 | 1.3 | 21 | 2KJ3501- ■ EM23- ■ ■ J1 -Z - | |
| 184 | | 78 | 7.84 | 3320 | 0.96 | 21 | 2KJ3501- ■ EM23- ■ ■ H1 -Z - | | |
| 196 | | 73 | 7.38 | 3290 | 1 | 21 | 2KJ3501- ■ EM23- ■ ■ G1 -Z - | | |
| 222 | | 64 | 6.51 | 3220 | 1.2 | 21 | 2KJ3501- ■ EM23- ■ ■ F1 -Z - | | |
| 256 | | 56 | 5.65 | 3120 | 1.3 | 21 | 2KJ3501- ■ EM23- ■ ■ E1 -Z - | | |
| 285 | | 50 | 5.07 | 3120 | 1.5 | 21 | 2KJ3501- ■ EM23- ■ ■ D1 -Z - | | |
| 302 | | 47 | 4.78 | 3070 | 1.6 | 21 | 2KJ3501- ■ EM23- ■ ■ C1 -Z - | | |
| 343 | | 42 | 4.21 | 2970 | 1.8 | 21 | 2KJ3501- ■ EM23- ■ ■ B1 -Z - | | |
| 396 | | 36 | 3.65 | 2870 | 2 | 21 | 2KJ3501- ■ EM23- ■ ■ A1 -Z - | | |
| 2.2 | | K.149-LE132SQA6P | | | | | | | |
| | | 4.1 | 5100 | 237.03 | 65000 | 1.6 | 283 | 2KJ3513- ■ HG23- ■ ■ J2 -Z P01 | |
| | 4.8 | 4370 | 202.86 | 65000 | 1.8 | 283 | 2KJ3513- ■ HG23- ■ ■ H2 -Z P01 | | |
| | 5.1 | 4110 | 190.92 | 65000 | 1.9 | 283 | 2KJ3513- ■ HG23- ■ ■ G2 -Z P01 | | |
| | 5.4 | 3850 | 178.97 | 65000 | 2.1 | 283 | 2KJ3513- ■ HG23- ■ ■ F2 -Z P01 | | |
| | K.129-LE132SQA6P | | | | | | | | |
| | 5 | 4180 | 194.04 | 37800 | 1.1 | 200 | 2KJ3512- ■ HG23- ■ ■ G2 -Z P01 | | |
| | 5.9 | 3560 | 165.47 | 38400 | 1.2 | 200 | 2KJ3512- ■ HG23- ■ ■ F2 -Z P01 | | |
| | K.129-LE100ZLSA4P | | | | | | | | |
| | 6.4 | 3270 | 228.30 | 38700 | 1.3 | 170 | 2KJ3512- ■ FN23- ■ ■ J2 -Z - | | |
| | 7 | 3020 | 210.74 | 38900 | 1.5 | 170 | 2KJ3512- ■ FN23- ■ ■ H2 -Z - | | |
| | 7.5 | 2780 | 194.04 | 39200 | 1.6 | 170 | 2KJ3512- ■ FN23- ■ ■ G2 -Z - | | |
| | 8.9 | 2370 | 165.47 | 39600 | 1.9 | 170 | 2KJ3512- ■ FN23- ■ ■ F2 -Z - | | |
| | 9.4 | 2230 | 155.74 | 39700 | 2 | 170 | 2KJ3512- ■ FN23- ■ ■ E2 -Z - | | |
| | 10 | 2070 | 144.53 | 39900 | 2.1 | 170 | 2KJ3512- ■ FN23- ■ ■ D2 -Z - | | |
| | K.109-LE100ZLSA4P | | | | | | | | |
| 6.8 | 3100 | 216.65 | 24500 | 0.93 | 119 | 2KJ3511- ■ FN23- ■ ■ H2 -Z - | | | |
| 7.5 | 2800 | 195.60 | 24500 | 1 | 119 | 2KJ3511- ■ FN23- ■ ■ G2 -Z - | | | |
| 8.3 | 2540 | 177.43 | 24500 | 1.1 | 119 | 2KJ3511- ■ FN23- ■ ■ F2 -Z - | | | |
| 8.9 | 2340 | 163.78 | 24500 | 1.2 | 119 | 2KJ3511- ■ FN23- ■ ■ E2 -Z - | | | |
| 9.8 | 2130 | 148.88 | 24500 | 1.4 | 119 | 2KJ3511- ■ FN23- ■ ■ D2 -Z - | | | |
| 12 | 1700 | 118.65 | 24500 | 1.7 | 119 | 2KJ3511- ■ FN23- ■ ■ B2 -Z - | | | |
| 12 | 1800 | 126.07 | 24500 | 1.6 | 119 | 2KJ3511- ■ FN23- ■ ■ C2 -Z - | | | |

Article No. supplement

| | | |
|-----------------------|-----------------|----------------|
| Shaft design | 1 or 9 | see page 10/51 |
| Frequency and voltage | 2 or 9 | see page 11/2 |
| Gearbox mounting type | A, F, H, C or D | see page 10/42 |

Selection and ordering data

| P_N kW | n_2 rpm | T_2 Nm | i – | F_{R2} N | f_B – | m kg | Article No. (Article No. supplement, see below) | Additional identification code -Z with order code No. of poles |
|-------------|--------------------------|-------------|----------|---------------|------------|-----------|--|--|
| 2.2 | K.109-LE100ZLSA4P | | | | | | | |
| | 13 | 1570 | 109.57 | 24500 | 1.8 | 119 | 2KJ3511- ■ FN23- ■ ■ A2 -Z - | |
| | 15 | 1390 | 97.49 | 24500 | 2.1 | 119 | 2KJ3511- ■ FN23- ■ ■ X1 -Z - | |
| | 17 | 1240 | 86.59 | 24500 | 2.3 | 119 | 2KJ3511- ■ FN23- ■ ■ W1 -Z - | |
| | K.89-LE100ZLSA4P | | | | | | | |
| | 11 | 1860 | 129.96 | 18100 | 0.86 | 84 | 2KJ3510- ■ FN23- ■ ■ D2 -Z - | |
| | 13 | 1560 | 109.04 | 18100 | 1 | 84 | 2KJ3510- ■ FN23- ■ ■ C2 -Z - | |
| | 14 | 1470 | 102.63 | 18100 | 1.1 | 84 | 2KJ3510- ■ FN23- ■ ■ B2 -Z - | |
| | 16 | 1350 | 94.16 | 18100 | 1.2 | 84 | 2KJ3510- ■ FN23- ■ ■ A2 -Z - | |
| | 18 | 1180 | 82.25 | 18100 | 1.4 | 84 | 2KJ3510- ■ FN23- ■ ■ X1 -Z - | |
| | 20 | 1050 | 73.64 | 18100 | 1.5 | 84 | 2KJ3510- ■ FN23- ■ ■ W1 -Z - | |
| | 23 | 920 | 64.39 | 18100 | 1.7 | 84 | 2KJ3510- ■ FN23- ■ ■ V1 -Z - | |
| | 27 | 790 | 55.27 | 18100 | 2 | 84 | 2KJ3510- ■ FN23- ■ ■ U1 -Z - | |
| | 30 | 700 | 48.85 | 18100 | 2.3 | 84 | 2KJ3510- ■ FN23- ■ ■ T1 -Z - | |
| | 35 | 595 | 41.54 | 18100 | 2.6 | 84 | 2KJ3510- ■ FN23- ■ ■ S1 -Z - | |
| | K.79-LE100ZLSA4P | | | | | | | |
| | 22 | 935 | 65.47 | 13700 | 0.87 | 63 | 2KJ3508- ■ FN23- ■ ■ U1 -Z - | |
| | 26 | 800 | 56.08 | 14000 | 1 | 63 | 2KJ3508- ■ FN23- ■ ■ T1 -Z - | |
| | 30 | 705 | 49.31 | 14200 | 1.2 | 63 | 2KJ3508- ■ FN23- ■ ■ S1 -Z - | |
| | 35 | 595 | 41.60 | 14400 | 1.3 | 63 | 2KJ3508- ■ FN23- ■ ■ R1 -Z - | |
| | 40 | 520 | 36.26 | 14400 | 1.5 | 63 | 2KJ3508- ■ FN23- ■ ■ Q1 -Z - | |
| | 45 | 470 | 32.78 | 14400 | 1.7 | 63 | 2KJ3508- ■ FN23- ■ ■ P1 -Z - | |
| | 54 | 390 | 27.20 | 14400 | 2.1 | 63 | 2KJ3508- ■ FN23- ■ ■ N1 -Z - | |
| | 57 | 365 | 25.60 | 14400 | 2.1 | 63 | 2KJ3508- ■ FN23- ■ ■ M1 -Z - | |
| | 61 | 345 | 24.17 | 14400 | 2.2 | 63 | 2KJ3508- ■ FN23- ■ ■ L1 -Z - | |
| | 71 | 295 | 20.57 | 14400 | 2.5 | 63 | 2KJ3508- ■ FN23- ■ ■ K1 -Z - | |
| | 83 | 250 | 17.62 | 14400 | 2.8 | 63 | 2KJ3508- ■ FN23- ■ ■ J1 -Z - | |
| | 95 | 220 | 15.49 | 14400 | 3.1 | 63 | 2KJ3508- ■ FN23- ■ ■ H1 -Z - | |
| | 112 | 187 | 13.07 | 14400 | 3.5 | 63 | 2KJ3508- ■ FN23- ■ ■ G1 -Z - | |
| | 139 | 151 | 10.51 | 14400 | 3 | 63 | 2KJ3508- ■ FN23- ■ ■ E1 -Z - | |
| | 163 | 129 | 9.01 | 13800 | 3.5 | 63 | 2KJ3508- ■ FN23- ■ ■ D1 -Z - | |
| | 185 | 114 | 7.92 | 13300 | 4 | 63 | 2KJ3508- ■ FN23- ■ ■ C1 -Z - | |
| | K.69-LE100ZLSA4P | | | | | | | |
| | 32 | 645 | 45.14 | 7110 | 0.93 | 57 | 2KJ3507- ■ FN23- ■ ■ S1 -Z - | |
| | 37 | 565 | 39.69 | 7190 | 1.1 | 57 | 2KJ3507- ■ FN23- ■ ■ R1 -Z - | |
| | 44 | 480 | 33.48 | 7180 | 1.2 | 57 | 2KJ3507- ■ FN23- ■ ■ Q1 -Z - | |
| | 50 | 415 | 29.18 | 7170 | 1.3 | 57 | 2KJ3507- ■ FN23- ■ ■ P1 -Z - | |
| | 56 | 370 | 26.05 | 7110 | 1.6 | 57 | 2KJ3507- ■ FN23- ■ ■ N1 -Z - | |
| | 60 | 350 | 24.52 | 7060 | 1.7 | 57 | 2KJ3507- ■ FN23- ■ ■ M1 -Z - | |
| | 63 | 330 | 23.15 | 7020 | 1.8 | 57 | 2KJ3507- ■ FN23- ■ ■ L1 -Z - | |
| | 74 | 280 | 19.70 | 6890 | 2 | 57 | 2KJ3507- ■ FN23- ■ ■ K1 -Z - | |
| | 87 | 240 | 16.88 | 6720 | 2.2 | 57 | 2KJ3507- ■ FN23- ■ ■ J1 -Z - | |
| | 99 | 210 | 14.84 | 6580 | 2.4 | 57 | 2KJ3507- ■ FN23- ■ ■ H1 -Z - | |
| | 117 | 180 | 12.52 | 6350 | 2.7 | 57 | 2KJ3507- ■ FN23- ■ ■ G1 -Z - | |
| | 134 | 156 | 10.91 | 6180 | 3 | 57 | 2KJ3507- ■ FN23- ■ ■ F1 -Z - | |
| | 157 | 134 | 9.34 | 5730 | 2.8 | 57 | 2KJ3507- ■ FN23- ■ ■ E1 -Z - | |
| | 183 | 115 | 8.01 | 5550 | 3.2 | 57 | 2KJ3507- ■ FN23- ■ ■ D1 -Z - | |
| | 208 | 101 | 7.04 | 5400 | 3.6 | 57 | 2KJ3507- ■ FN23- ■ ■ C1 -Z - | |
| | 247 | 85 | 5.94 | 5190 | 4 | 57 | 2KJ3507- ■ FN23- ■ ■ B1 -Z - | |
| | 283 | 74 | 5.18 | 5020 | 4.4 | 57 | 2KJ3507- ■ FN23- ■ ■ A1 -Z - | |

Article No. supplement

| | | |
|-----------------------|------------------------|----------------|
| Shaft design | 1 or 9 | see page 10/51 |
| Frequency and voltage | 2 or 9 | see page 11/2 |
| Gearbox mounting type | A, F, H, C or D | see page 10/42 |

SIMOGEAR geared motors

Bevel geared motors

Geared motors up to 55 kW

Selection and ordering data

| P_N | n_2 | T_2 | i | F_{R2} | f_B | m | Article No. | Additional identification code -Z with order code | |
|------------|-------------------------|-------------------------|-------|----------|-------|------------------------------|-------------------------------------|---|--|
| kW | rpm | Nm | - | N | - | kg | (Article No. supplement, see below) | No. of poles | |
| 2.2 | K.49-LE100ZLSA4P | | | | | | | | |
| | 45 | 465 | 32.57 | 3970 | 0.9 | 51 | 2KJ3505- ■ FN23- ■ ■ R1 -Z - | | |
| | 52 | 400 | 28.05 | 4110 | 1 | 51 | 2KJ3505- ■ FN23- ■ ■ Q1 -Z - | | |
| | 56 | 375 | 26.30 | 4150 | 1.1 | 51 | 2KJ3505- ■ FN23- ■ ■ P1 -Z - | | |
| | 63 | 330 | 23.28 | 4220 | 1.3 | 51 | 2KJ3505- ■ FN23- ■ ■ N1 -Z - | | |
| | 76 | 275 | 19.38 | 4240 | 1.5 | 51 | 2KJ3505- ■ FN23- ■ ■ M1 -Z - | | |
| | 80 | 260 | 18.24 | 4230 | 1.6 | 51 | 2KJ3505- ■ FN23- ■ ■ L1 -Z - | | |
| | 90 | 230 | 16.34 | 4240 | 1.8 | 51 | 2KJ3505- ■ FN23- ■ ■ K1 -Z - | | |
| | 105 | 199 | 13.91 | 4170 | 2.1 | 51 | 2KJ3505- ■ FN23- ■ ■ J1 -Z - | | |
| | 123 | 171 | 11.93 | 4100 | 2.5 | 51 | 2KJ3505- ■ FN23- ■ ■ H1 -Z - | | |
| | 143 | 147 | 10.27 | 4020 | 2.8 | 51 | 2KJ3505- ■ FN23- ■ ■ G1 -Z - | | |
| | 150 | 140 | 9.75 | 3910 | 2 | 51 | 2KJ3505- ■ FN23- ■ ■ F1 -Z - | | |
| | 160 | 132 | 9.18 | 3880 | 2.1 | 51 | 2KJ3505- ■ FN23- ■ ■ E1 -Z - | | |
| | 178 | 118 | 8.22 | 3810 | 2.2 | 51 | 2KJ3505- ■ FN23- ■ ■ D1 -Z - | | |
| | 209 | 100 | 7.00 | 3710 | 2.4 | 51 | 2KJ3505- ■ FN23- ■ ■ C1 -Z - | | |
| | 244 | 86 | 6.00 | 3600 | 2.6 | 51 | 2KJ3505- ■ FN23- ■ ■ B1 -Z - | | |
| | 283 | 74 | 5.17 | 3490 | 2.8 | 51 | 2KJ3505- ■ FN23- ■ ■ A1 -Z - | | |
| | | K.39-LE100ZLSA4P | | | | | | | |
| | | 86 | 240 | 16.98 | 3540 | 0.9 | 41 | 2KJ3504- ■ FN23- ■ ■ L1 -Z - | |
| | | 95 | 220 | 15.41 | 3540 | 1 | 41 | 2KJ3504- ■ FN23- ■ ■ K1 -Z - | |
| 101 | | 205 | 14.50 | 3570 | 1.1 | 41 | 2KJ3504- ■ FN23- ■ ■ J1 -Z - | | |
| 115 | | 183 | 12.78 | 3540 | 1.2 | 41 | 2KJ3504- ■ FN23- ■ ■ H1 -Z - | | |
| 132 | | 159 | 11.09 | 3520 | 1.4 | 41 | 2KJ3504- ■ FN23- ■ ■ G1 -Z - | | |
| 146 | | 144 | 10.04 | 3290 | 1.3 | 41 | 2KJ3504- ■ FN23- ■ ■ F1 -Z - | | |
| 166 | | 126 | 8.81 | 3270 | 1.4 | 41 | 2KJ3504- ■ FN23- ■ ■ E1 -Z - | | |
| 183 | | 115 | 7.99 | 3240 | 1.5 | 41 | 2KJ3504- ■ FN23- ■ ■ D1 -Z - | | |
| 195 | | 108 | 7.52 | 3220 | 1.6 | 41 | 2KJ3504- ■ FN23- ■ ■ C1 -Z - | | |
| 221 | | 95 | 6.63 | 3180 | 1.7 | 41 | 2KJ3504- ■ FN23- ■ ■ B1 -Z - | | |
| 255 | | 82 | 5.75 | 3120 | 1.8 | 41 | 2KJ3504- ■ FN23- ■ ■ A1 -Z - | | |
| | | B.49-LE100ZLSA4P | | | | | | | |
| | | 39 | 530 | 37.18 | 7140 | 0.84 | 48 | 2KJ3503- ■ FN23- ■ ■ W1 -Z - | |
| | 44 | 475 | 33.33 | 7130 | 0.94 | 48 | 2KJ3503- ■ FN23- ■ ■ V1 -Z - | | |
| | 49 | 430 | 30.05 | 7080 | 1 | 48 | 2KJ3503- ■ FN23- ■ ■ U1 -Z - | | |
| | 53 | 395 | 27.74 | 7050 | 1.1 | 48 | 2KJ3503- ■ FN23- ■ ■ T1 -Z - | | |
| | 58 | 360 | 25.32 | 6990 | 1.2 | 48 | 2KJ3503- ■ FN23- ■ ■ S1 -Z - | | |
| | 70 | 300 | 21.01 | 6820 | 1.5 | 48 | 2KJ3503- ■ FN23- ■ ■ R1 -Z - | | |
| | 74 | 280 | 19.77 | 6780 | 1.6 | 48 | 2KJ3503- ■ FN23- ■ ■ Q1 -Z - | | |
| | 78 | 265 | 18.67 | 6720 | 1.7 | 48 | 2KJ3503- ■ FN23- ■ ■ P1 -Z - | | |
| | 92 | 225 | 15.89 | 6540 | 2 | 48 | 2KJ3503- ■ FN23- ■ ■ N1 -Z - | | |
| | 108 | 195 | 13.61 | 6330 | 2.3 | 48 | 2KJ3503- ■ FN23- ■ ■ M1 -Z - | | |
| | 122 | 172 | 11.97 | 6170 | 2.6 | 48 | 2KJ3503- ■ FN23- ■ ■ L1 -Z - | | |
| | 145 | 145 | 10.10 | 5940 | 3.1 | 48 | 2KJ3503- ■ FN23- ■ ■ K1 -Z - | | |
| | 166 | 126 | 8.80 | 5760 | 3.6 | 48 | 2KJ3503- ■ FN23- ■ ■ J1 -Z - | | |
| | 177 | 119 | 8.29 | 5750 | 2.8 | 48 | 2KJ3503- ■ FN23- ■ ■ H1 -Z - | | |
| | 188 | 112 | 7.80 | 5660 | 3 | 48 | 2KJ3503- ■ FN23- ■ ■ G1 -Z - | | |
| | 199 | 106 | 7.37 | 5580 | 3.1 | 48 | 2KJ3503- ■ FN23- ■ ■ F1 -Z - | | |
| | 234 | 90 | 6.27 | 5350 | 3.7 | 48 | 2KJ3503- ■ FN23- ■ ■ E1 -Z - | | |
| | 273 | 77 | 5.37 | 5130 | 4.3 | 48 | 2KJ3503- ■ FN23- ■ ■ D1 -Z - | | |
| | 310 | 68 | 4.72 | 4950 | 4.9 | 48 | 2KJ3503- ■ FN23- ■ ■ C1 -Z - | | |
| | B.39-LE100ZLSA4P | | | | | | | | |
| | 67 | 310 | 21.90 | 6230 | 0.8 | 41 | 2KJ3502- ■ FN23- ■ ■ Q1 -Z - | | |
| 72 | 290 | 20.21 | 6160 | 0.86 | 41 | 2KJ3502- ■ FN23- ■ ■ P1 -Z - | | | |

Article No. supplement

| | | |
|-----------------------|------------------------|--------------------------------|
| Shaft design | 1 or 9 | see page 10/51 |
| Frequency and voltage | 2 or 9 | see page 11/2 |
| Gearbox mounting type | A, F, H, C or D | see page 10/42 |

Selection and ordering data

| P_N kW | n_2 rpm | T_2 Nm | i – | F_{R2} N | f_B – | m kg | Article No. (Article No. supplement, see below) | Additional identification code -Z with order code No. of poles | |
|--------------------------|-------------------------|-------------------------|----------|---------------|------------|--------------------------------|--|--|--|
| 2.2 | B.39-LE100ZLSA4P | | | | | | | | |
| | 82 | 255 | 17.90 | 6090 | 0.97 | 41 | 2KJ3502- ■ FN23- ■ ■ N1 -Z - | | |
| | 98 | 210 | 14.90 | 5960 | 1.2 | 41 | 2KJ3502- ■ FN23- ■ ■ M1 -Z - | | |
| | 104 | 200 | 14.02 | 5890 | 1.2 | 41 | 2KJ3502- ■ FN23- ■ ■ L1 -Z - | | |
| | 117 | 180 | 12.56 | 5780 | 1.4 | 41 | 2KJ3502- ■ FN23- ■ ■ K1 -Z - | | |
| | 137 | 153 | 10.69 | 5610 | 1.6 | 41 | 2KJ3502- ■ FN23- ■ ■ J1 -Z - | | |
| | 160 | 132 | 9.17 | 5430 | 1.7 | 41 | 2KJ3502- ■ FN23- ■ ■ H1 -Z - | | |
| | 186 | 113 | 7.89 | 5260 | 1.9 | 41 | 2KJ3502- ■ FN23- ■ ■ G1 -Z - | | |
| | 222 | 95 | 6.60 | 5120 | 2.1 | 41 | 2KJ3502- ■ FN23- ■ ■ F1 -Z - | | |
| | 236 | 89 | 6.21 | 5050 | 2.2 | 41 | 2KJ3502- ■ FN23- ■ ■ E1 -Z - | | |
| | 263 | 80 | 5.56 | 4900 | 2.5 | 41 | 2KJ3502- ■ FN23- ■ ■ D1 -Z - | | |
| | 309 | 68 | 4.74 | 4700 | 2.9 | 41 | 2KJ3502- ■ FN23- ■ ■ C1 -Z - | | |
| | 361 | 58 | 4.06 | 4510 | 3.4 | 41 | 2KJ3502- ■ FN23- ■ ■ B1 -Z - | | |
| | 419 | 50 | 3.50 | 4330 | 3.8 | 41 | 2KJ3502- ■ FN23- ■ ■ A1 -Z - | | |
| | 3 | B.29-LE100ZLSA4P | | | | | | | |
| | | 154 | 136 | 9.51 | 3110 | 0.81 | 36 | 2KJ3501- ■ FN23- ■ ■ K1 -Z - | |
| | | 178 | 118 | 8.25 | 3080 | 0.93 | 36 | 2KJ3501- ■ FN23- ■ ■ J1 -Z - | |
| 225 | | 93 | 6.51 | 2900 | 0.8 | 36 | 2KJ3501- ■ FN23- ■ ■ F1 -Z - | | |
| 259 | | 81 | 5.65 | 2850 | 0.93 | 36 | 2KJ3501- ■ FN23- ■ ■ E1 -Z - | | |
| 289 | | 73 | 5.07 | 2900 | 1 | 36 | 2KJ3501- ■ FN23- ■ ■ D1 -Z - | | |
| 306 | | 69 | 4.78 | 2860 | 1.1 | 36 | 2KJ3501- ■ FN23- ■ ■ C1 -Z - | | |
| 348 | | 60 | 4.21 | 2800 | 1.2 | 36 | 2KJ3501- ■ FN23- ■ ■ B1 -Z - | | |
| 401 | | 52 | 3.65 | 2720 | 1.4 | 36 | 2KJ3501- ■ FN23- ■ ■ A1 -Z - | | |
| K.169-LE132SQB6P | | | | | | | | | |
| 4.4 | | 6560 | 223.30 | 70000 | 2 | 451 | 2KJ3514- ■ HH23- ■ ■ F2 -Z P01 | | |
| K.149-LE132SQB6P | | | | | | | | | |
| 4.1 | 6960 | 237.03 | 65000 | 1.1 | 281 | 2KJ3513- ■ HH23- ■ ■ J2 -Z P01 | | | |
| 4.8 | 5960 | 202.86 | 65000 | 1.3 | 281 | 2KJ3513- ■ HH23- ■ ■ H2 -Z P01 | | | |
| 5.1 | 5610 | 190.92 | 65000 | 1.4 | 281 | 2KJ3513- ■ HH23- ■ ■ G2 -Z P01 | | | |
| 5.4 | 5250 | 178.97 | 65000 | 1.5 | 281 | 2KJ3513- ■ HH23- ■ ■ F2 -Z P01 | | | |
| K.149-LE100ZLSB4P | | | | | | | | | |
| 6.2 | 4650 | 237.03 | 65000 | 1.7 | 253 | 2KJ3513- ■ FP23- ■ ■ J2 -Z - | | | |
| 7.2 | 3980 | 202.86 | 65000 | 2 | 253 | 2KJ3513- ■ FP23- ■ ■ H2 -Z - | | | |
| 7.6 | 3740 | 190.92 | 65000 | 2.1 | 253 | 2KJ3513- ■ FP23- ■ ■ G2 -Z - | | | |
| K.129-LE132SQB6P | | | | | | | | | |
| 5.9 | 4860 | 165.47 | 37100 | 0.9 | 198 | 2KJ3512- ■ HH23- ■ ■ F2 -Z P01 | | | |
| K.129-LE100ZLSB4P | | | | | | | | | |
| 6.4 | 4480 | 228.30 | 37500 | 0.98 | 170 | 2KJ3512- ■ FP23- ■ ■ J2 -Z - | | | |
| 6.9 | 4130 | 210.74 | 37900 | 1.1 | 170 | 2KJ3512- ■ FP23- ■ ■ H2 -Z - | | | |
| 7.5 | 3800 | 194.04 | 38200 | 1.2 | 170 | 2KJ3512- ■ FP23- ■ ■ G2 -Z - | | | |
| 8.8 | 3240 | 165.47 | 38700 | 1.4 | 170 | 2KJ3512- ■ FP23- ■ ■ F2 -Z - | | | |
| 9.4 | 3050 | 155.74 | 38900 | 1.4 | 170 | 2KJ3512- ■ FP23- ■ ■ E2 -Z - | | | |
| 10 | 2830 | 144.53 | 39100 | 1.6 | 170 | 2KJ3512- ■ FP23- ■ ■ D2 -Z - | | | |
| 11 | 2500 | 127.77 | 39400 | 1.8 | 170 | 2KJ3512- ■ FP23- ■ ■ C2 -Z - | | | |
| 13 | 2230 | 114.06 | 39700 | 2 | 170 | 2KJ3512- ■ FP23- ■ ■ B2 -Z - | | | |
| 14 | 2010 | 102.64 | 39900 | 2.2 | 170 | 2KJ3512- ■ FP23- ■ ■ A2 -Z - | | | |
| K.109-LE100ZLSB4P | | | | | | | | | |
| 8.2 | 3480 | 177.43 | 24500 | 0.83 | 119 | 2KJ3511- ■ FP23- ■ ■ F2 -Z - | | | |
| 8.9 | 3210 | 163.78 | 24500 | 0.9 | 119 | 2KJ3511- ■ FP23- ■ ■ E2 -Z - | | | |
| 9.8 | 2920 | 148.88 | 24500 | 0.99 | 119 | 2KJ3511- ■ FP23- ■ ■ D2 -Z - | | | |
| 12 | 2320 | 118.65 | 24500 | 1.2 | 119 | 2KJ3511- ■ FP23- ■ ■ B2 -Z - | | | |
| 12 | 2470 | 126.07 | 24500 | 1.2 | 119 | 2KJ3511- ■ FP23- ■ ■ C2 -Z - | | | |

Article No. supplement

| | | |
|-----------------------|------------------------|--------------------------------|
| Shaft design | 1 or 9 | see page 10/51 |
| Frequency and voltage | 2 or 9 | see page 11/2 |
| Gearbox mounting type | A, F, H, C or D | see page 10/42 |

SIMOGEAR geared motors

Bevel geared motors

Geared motors up to 55 kW

Selection and ordering data

| P_N kW | n_2 rpm | T_2 Nm | i – | F_{R2} N | f_B – | m kg | Article No. (Article No. supplement, see below) | Additional identification code -Z with order code No. of poles |
|-------------------------|--------------------------|-------------|----------|---------------|------------|------------------------------|--|--|
| 3 | K.109-LE100ZLSB4P | | | | | | | |
| | 13 | 2150 | 109.57 | 24500 | 1.3 | 119 | 2KJ3511- ■ FP23- ■ ■ A2 -Z - | |
| | 15 | 1910 | 97.49 | 24500 | 1.5 | 119 | 2KJ3511- ■ FP23- ■ ■ X1 -Z - | |
| | 17 | 1690 | 86.59 | 24500 | 1.7 | 119 | 2KJ3511- ■ FP23- ■ ■ W1 -Z - | |
| | 19 | 1520 | 77.51 | 24500 | 1.9 | 119 | 2KJ3511- ■ FP23- ■ ■ V1 -Z - | |
| | 22 | 1300 | 66.26 | 24500 | 2.2 | 119 | 2KJ3511- ■ FP23- ■ ■ U1 -Z - | |
| | K.89-LE100ZLSB4P | | | | | | | |
| | 16 | 1840 | 94.16 | 18100 | 0.87 | 84 | 2KJ3510- ■ FP23- ■ ■ A2 -Z - | |
| | 18 | 1610 | 82.25 | 18100 | 0.99 | 84 | 2KJ3510- ■ FP23- ■ ■ X1 -Z - | |
| | 20 | 1440 | 73.64 | 18100 | 1.1 | 84 | 2KJ3510- ■ FP23- ■ ■ W1 -Z - | |
| | 23 | 1260 | 64.39 | 18100 | 1.3 | 84 | 2KJ3510- ■ FP23- ■ ■ V1 -Z - | |
| | 26 | 1080 | 55.27 | 18100 | 1.5 | 84 | 2KJ3510- ■ FP23- ■ ■ U1 -Z - | |
| | 30 | 955 | 48.85 | 18100 | 1.7 | 84 | 2KJ3510- ■ FP23- ■ ■ T1 -Z - | |
| | 35 | 815 | 41.54 | 18100 | 1.9 | 84 | 2KJ3510- ■ FP23- ■ ■ S1 -Z - | |
| | 37 | 770 | 39.29 | 18100 | 2.1 | 84 | 2KJ3510- ■ FP23- ■ ■ R1 -Z - | |
| 44 | 645 | 32.96 | 18100 | 2.5 | 84 | 2KJ3510- ■ FP23- ■ ■ Q1 -Z - | | |
| 47 | 605 | 31.03 | 18100 | 2.6 | 84 | 2KJ3510- ■ FP23- ■ ■ P1 -Z - | | |
| K.79-LE100ZLSB4P | | | | | | | | |
| 30 | 965 | 49.31 | 13600 | 0.85 | 63 | 2KJ3508- ■ FP23- ■ ■ S1 -Z - | | |
| 35 | 815 | 41.60 | 13900 | 0.98 | 63 | 2KJ3508- ■ FP23- ■ ■ R1 -Z - | | |
| 40 | 710 | 36.26 | 14100 | 1.1 | 63 | 2KJ3508- ■ FP23- ■ ■ Q1 -Z - | | |
| 45 | 640 | 32.78 | 14300 | 1.3 | 63 | 2KJ3508- ■ FP23- ■ ■ P1 -Z - | | |
| 54 | 530 | 27.20 | 14400 | 1.5 | 63 | 2KJ3508- ■ FP23- ■ ■ N1 -Z - | | |
| 57 | 500 | 25.60 | 14400 | 1.6 | 63 | 2KJ3508- ■ FP23- ■ ■ M1 -Z - | | |
| 60 | 470 | 24.17 | 14400 | 1.6 | 63 | 2KJ3508- ■ FP23- ■ ■ L1 -Z - | | |
| 71 | 400 | 20.57 | 14400 | 1.8 | 63 | 2KJ3508- ■ FP23- ■ ■ K1 -Z - | | |
| 83 | 345 | 17.62 | 14400 | 2.1 | 63 | 2KJ3508- ■ FP23- ■ ■ J1 -Z - | | |
| 94 | 300 | 15.49 | 14400 | 2.3 | 63 | 2KJ3508- ■ FP23- ■ ■ H1 -Z - | | |
| 112 | 255 | 13.07 | 14400 | 2.6 | 63 | 2KJ3508- ■ FP23- ■ ■ G1 -Z - | | |
| 128 | 220 | 11.39 | 14400 | 2.9 | 63 | 2KJ3508- ■ FP23- ■ ■ F1 -Z - | | |
| 139 | 205 | 10.51 | 14000 | 2.2 | 63 | 2KJ3508- ■ FP23- ■ ■ E1 -Z - | | |
| 162 | 177 | 9.01 | 13500 | 2.5 | 63 | 2KJ3508- ■ FP23- ■ ■ D1 -Z - | | |
| 184 | 155 | 7.92 | 13100 | 2.9 | 63 | 2KJ3508- ■ FP23- ■ ■ C1 -Z - | | |
| 219 | 131 | 6.68 | 12500 | 3.5 | 63 | 2KJ3508- ■ FP23- ■ ■ B1 -Z - | | |
| 251 | 114 | 5.82 | 12100 | 3.8 | 63 | 2KJ3508- ■ FP23- ■ ■ A1 -Z - | | |
| K.69-LE100ZLSB4P | | | | | | | | |
| 44 | 655 | 33.48 | 5940 | 0.88 | 57 | 2KJ3507- ■ FP23- ■ ■ Q1 -Z - | | |
| 50 | 570 | 29.18 | 6070 | 0.97 | 57 | 2KJ3507- ■ FP23- ■ ■ P1 -Z - | | |
| 56 | 510 | 26.05 | 6120 | 1.2 | 57 | 2KJ3507- ■ FP23- ■ ■ N1 -Z - | | |
| 60 | 480 | 24.52 | 6140 | 1.2 | 57 | 2KJ3507- ■ FP23- ■ ■ M1 -Z - | | |
| 63 | 450 | 23.15 | 6180 | 1.3 | 57 | 2KJ3507- ■ FP23- ■ ■ L1 -Z - | | |
| 74 | 385 | 19.70 | 6150 | 1.4 | 57 | 2KJ3507- ■ FP23- ■ ■ K1 -Z - | | |
| 86 | 330 | 16.88 | 6090 | 1.6 | 57 | 2KJ3507- ■ FP23- ■ ■ J1 -Z - | | |
| 98 | 290 | 14.84 | 6020 | 1.8 | 57 | 2KJ3507- ■ FP23- ■ ■ H1 -Z - | | |
| 117 | 245 | 12.52 | 5900 | 2 | 57 | 2KJ3507- ■ FP23- ■ ■ G1 -Z - | | |
| 134 | 210 | 10.91 | 5800 | 2.2 | 57 | 2KJ3507- ■ FP23- ■ ■ F1 -Z - | | |
| 156 | 183 | 9.34 | 5300 | 2 | 57 | 2KJ3507- ■ FP23- ■ ■ E1 -Z - | | |
| 182 | 157 | 8.01 | 5180 | 2.3 | 57 | 2KJ3507- ■ FP23- ■ ■ D1 -Z - | | |
| 207 | 138 | 7.04 | 5070 | 2.6 | 57 | 2KJ3507- ■ FP23- ■ ■ C1 -Z - | | |
| 246 | 117 | 5.94 | 4910 | 3 | 57 | 2KJ3507- ■ FP23- ■ ■ B1 -Z - | | |
| 282 | 102 | 5.18 | 4780 | 3.2 | 57 | 2KJ3507- ■ FP23- ■ ■ A1 -Z - | | |

Article No. supplement

| | | |
|-----------------------|------------------------|----------------|
| Shaft design | 1 or 9 | see page 10/51 |
| Frequency and voltage | 2 or 9 | see page 11/2 |
| Gearbox mounting type | A, F, H, C or D | see page 10/42 |

Selection and ordering data

| P_N kW | n_2 rpm | T_2 Nm | i – | F_{R2} N | f_B – | m kg | Article No. (Article No. supplement, see below) | Additional identification code -Z with order code No. of poles |
|-------------------------|-------------------------|-------------|----------|---------------|------------|------------------------------|--|--|
| 3 | K.49-LE100ZLSB4P | | | | | | | |
| | 56 | 515 | 26.30 | 3060 | 0.81 | 51 | 2KJ3505- ■ FP23- ■ ■ P1 -Z - | |
| | 63 | 455 | 23.28 | 3250 | 0.92 | 51 | 2KJ3505- ■ FP23- ■ ■ N1 -Z - | |
| | 75 | 380 | 19.38 | 3430 | 1.1 | 51 | 2KJ3505- ■ FP23- ■ ■ M1 -Z - | |
| | 80 | 355 | 18.24 | 3500 | 1.2 | 51 | 2KJ3505- ■ FP23- ■ ■ L1 -Z - | |
| | 89 | 320 | 16.34 | 3550 | 1.3 | 51 | 2KJ3505- ■ FP23- ■ ■ K1 -Z - | |
| | 105 | 270 | 13.91 | 3620 | 1.5 | 51 | 2KJ3505- ■ FP23- ■ ■ J1 -Z - | |
| | 122 | 230 | 11.93 | 3640 | 1.8 | 51 | 2KJ3505- ■ FP23- ■ ■ H1 -Z - | |
| | 142 | 200 | 10.27 | 3610 | 2.1 | 51 | 2KJ3505- ■ FP23- ■ ■ G1 -Z - | |
| | 150 | 191 | 9.75 | 3490 | 1.4 | 51 | 2KJ3505- ■ FP23- ■ ■ F1 -Z - | |
| | 159 | 180 | 9.18 | 3480 | 1.5 | 51 | 2KJ3505- ■ FP23- ■ ■ E1 -Z - | |
| | 178 | 161 | 8.22 | 3460 | 1.6 | 51 | 2KJ3505- ■ FP23- ■ ■ D1 -Z - | |
| | 209 | 137 | 7.00 | 3410 | 1.7 | 51 | 2KJ3505- ■ FP23- ■ ■ C1 -Z - | |
| | 243 | 118 | 6.00 | 3340 | 1.9 | 51 | 2KJ3505- ■ FP23- ■ ■ B1 -Z - | |
| | 282 | 101 | 5.17 | 3270 | 2.1 | 51 | 2KJ3505- ■ FP23- ■ ■ A1 -Z - | |
| K.39-LE100ZLSB4P | | | | | | | | |
| 114 | 250 | 12.78 | 2940 | 0.88 | 41 | 2KJ3504- ■ FP23- ■ ■ H1 -Z - | | |
| 132 | 215 | 11.09 | 3020 | 1 | 41 | 2KJ3504- ■ FP23- ■ ■ G1 -Z - | | |
| 145 | 197 | 10.04 | 2740 | 0.93 | 41 | 2KJ3504- ■ FP23- ■ ■ F1 -Z - | | |
| 166 | 173 | 8.81 | 2780 | 1.1 | 41 | 2KJ3504- ■ FP23- ■ ■ E1 -Z - | | |
| 183 | 157 | 7.99 | 2810 | 1.1 | 41 | 2KJ3504- ■ FP23- ■ ■ D1 -Z - | | |
| 194 | 148 | 7.52 | 2810 | 1.2 | 41 | 2KJ3504- ■ FP23- ■ ■ C1 -Z - | | |
| 220 | 130 | 6.63 | 2820 | 1.2 | 41 | 2KJ3504- ■ FP23- ■ ■ B1 -Z - | | |
| 254 | 113 | 5.75 | 2800 | 1.3 | 41 | 2KJ3504- ■ FP23- ■ ■ A1 -Z - | | |
| B.49-LE100ZLSB4P | | | | | | | | |
| 53 | 540 | 27.74 | 6090 | 0.83 | 48 | 2KJ3503- ■ FP23- ■ ■ T1 -Z - | | |
| 58 | 495 | 25.32 | 6100 | 0.91 | 48 | 2KJ3503- ■ FP23- ■ ■ S1 -Z - | | |
| 69 | 410 | 21.01 | 6100 | 1.1 | 48 | 2KJ3503- ■ FP23- ■ ■ R1 -Z - | | |
| 74 | 385 | 19.77 | 6090 | 1.2 | 48 | 2KJ3503- ■ FP23- ■ ■ Q1 -Z - | | |
| 78 | 365 | 18.67 | 6060 | 1.2 | 48 | 2KJ3503- ■ FP23- ■ ■ P1 -Z - | | |
| 92 | 310 | 15.89 | 5980 | 1.4 | 48 | 2KJ3503- ■ FP23- ■ ■ N1 -Z - | | |
| 107 | 265 | 13.61 | 5880 | 1.7 | 48 | 2KJ3503- ■ FP23- ■ ■ M1 -Z - | | |
| 122 | 235 | 11.97 | 5750 | 1.9 | 48 | 2KJ3503- ■ FP23- ■ ■ L1 -Z - | | |
| 145 | 198 | 10.10 | 5600 | 2.3 | 48 | 2KJ3503- ■ FP23- ■ ■ K1 -Z - | | |
| 166 | 173 | 8.80 | 5450 | 2.6 | 48 | 2KJ3503- ■ FP23- ■ ■ J1 -Z - | | |
| 176 | 163 | 8.29 | 5490 | 2 | 48 | 2KJ3503- ■ FP23- ■ ■ H1 -Z - | | |
| 187 | 153 | 7.80 | 5420 | 2.2 | 48 | 2KJ3503- ■ FP23- ■ ■ G1 -Z - | | |
| 198 | 145 | 7.37 | 5350 | 2.3 | 48 | 2KJ3503- ■ FP23- ■ ■ F1 -Z - | | |
| 233 | 123 | 6.27 | 5150 | 2.7 | 48 | 2KJ3503- ■ FP23- ■ ■ E1 -Z - | | |
| 272 | 105 | 5.37 | 4970 | 3.1 | 48 | 2KJ3503- ■ FP23- ■ ■ D1 -Z - | | |
| 309 | 93 | 4.72 | 4800 | 3.6 | 48 | 2KJ3503- ■ FP23- ■ ■ C1 -Z - | | |
| 367 | 78 | 3.98 | 4600 | 4.2 | 48 | 2KJ3503- ■ FP23- ■ ■ B1 -Z - | | |
| 421 | 68 | 3.47 | 4430 | 4.8 | 48 | 2KJ3503- ■ FP23- ■ ■ A1 -Z - | | |
| B.39-LE100ZLSB4P | | | | | | | | |
| 98 | 290 | 14.90 | 5350 | 0.86 | 41 | 2KJ3502- ■ FP23- ■ ■ M1 -Z - | | |
| 104 | 275 | 14.02 | 5320 | 0.91 | 41 | 2KJ3502- ■ FP23- ■ ■ L1 -Z - | | |
| 116 | 245 | 12.56 | 5280 | 1 | 41 | 2KJ3502- ■ FP23- ■ ■ K1 -Z - | | |
| 137 | 210 | 10.69 | 5180 | 1.1 | 41 | 2KJ3502- ■ FP23- ■ ■ J1 -Z - | | |
| 159 | 180 | 9.17 | 5070 | 1.3 | 41 | 2KJ3502- ■ FP23- ■ ■ H1 -Z - | | |
| 185 | 155 | 7.89 | 4950 | 1.4 | 41 | 2KJ3502- ■ FP23- ■ ■ G1 -Z - | | |
| 221 | 130 | 6.60 | 4880 | 1.5 | 41 | 2KJ3502- ■ FP23- ■ ■ F1 -Z - | | |

Article No. supplement

| | | |
|-----------------------|------------------------|----------------|
| Shaft design | 1 or 9 | see page 10/51 |
| Frequency and voltage | 2 or 9 | see page 11/2 |
| Gearbox mounting type | A, F, H, C or D | see page 10/42 |

SIMOGEAR geared motors

Bevel geared motors

Geared motors up to 55 kW

Selection and ordering data

| P_N kW | n_2 rpm | T_2 Nm | i – | F_{R2} N | f_B – | m kg | Article No. (Article No. supplement, see below) | Additional identification code -Z with order code No. of poles |
|--------------------------|-------------------------|------------------------|----------|---------------|------------|------------------------------|--|--|
| 3 | B.39-LE100ZLSB4P | | | | | | | |
| | 235 | 122 | 6.21 | 4820 | 1.6 | 41 | 2KJ3502- ■ FP23- ■ ■ E1 -Z - | |
| | 263 | 109 | 5.56 | 4710 | 1.8 | 41 | 2KJ3502- ■ FP23- ■ ■ D1 -Z - | |
| | 308 | 93 | 4.74 | 4530 | 2.2 | 41 | 2KJ3502- ■ FP23- ■ ■ C1 -Z - | |
| | 360 | 80 | 4.06 | 4370 | 2.5 | 41 | 2KJ3502- ■ FP23- ■ ■ B1 -Z - | |
| | 417 | 69 | 3.50 | 4200 | 2.8 | 41 | 2KJ3502- ■ FP23- ■ ■ A1 -Z - | |
| | B.29-LE100ZLSB4P | | | | | | | |
| | 347 | 83 | 4.21 | 2600 | 0.9 | 36 | 2KJ3501- ■ FP23- ■ ■ B1 -Z - | |
| | 400 | 72 | 3.65 | 2540 | 1 | 36 | 2KJ3501- ■ FP23- ■ ■ A1 -Z - | |
| | 4 | K.169-LE132MJ6P | | | | | | |
| 4.4 | | 8740 | 223.30 | 70000 | 1.5 | 451 | 2KJ3514- ■ HK23- ■ ■ F2 -Z P01 | |
| 4.7 | | 8160 | 208.35 | 70000 | 1.6 | 451 | 2KJ3514- ■ HK23- ■ ■ E2 -Z P01 | |
| 5.3 | | 7250 | 185.23 | 70000 | 1.8 | 451 | 2KJ3514- ■ HK23- ■ ■ D2 -Z P01 | |
| 5.9 | | 6510 | 166.31 | 70000 | 2 | 451 | 2KJ3514- ■ HK23- ■ ■ C2 -Z P01 | |
| K.149-LE132MJ6P | | | | | | | | |
| 4.1 | | 9280 | 237.03 | 65000 | 0.86 | 281 | 2KJ3513- ■ HK23- ■ ■ J2 -Z P01 | |
| 4.8 | | 7940 | 202.86 | 65000 | 1 | 281 | 2KJ3513- ■ HK23- ■ ■ H2 -Z P01 | |
| 5.1 | | 7480 | 190.92 | 65000 | 1.1 | 281 | 2KJ3513- ■ HK23- ■ ■ G2 -Z P01 | |
| 5.4 | | 7010 | 178.97 | 65000 | 1.1 | 281 | 2KJ3513- ■ HK23- ■ ■ F2 -Z P01 | |
| K.149-LE112ZMKB4P | | | | | | | | |
| 6.2 | | 6200 | 237.03 | 65000 | 1.3 | 254 | 2KJ3513- ■ GJ23- ■ ■ J2 -Z - | |
| 7.2 | | 5300 | 202.86 | 65000 | 1.5 | 254 | 2KJ3513- ■ GJ23- ■ ■ H2 -Z - | |
| 7.6 | | 4990 | 190.92 | 65000 | 1.6 | 254 | 2KJ3513- ■ GJ23- ■ ■ G2 -Z - | |
| 8.2 | | 4680 | 178.97 | 65000 | 1.7 | 254 | 2KJ3513- ■ GJ23- ■ ■ F2 -Z - | |
| 9.2 | | 4150 | 158.65 | 65000 | 1.9 | 254 | 2KJ3513- ■ GJ23- ■ ■ E2 -Z - | |
| 10 | | 3680 | 140.93 | 65000 | 2.2 | 254 | 2KJ3513- ■ GJ23- ■ ■ D2 -Z - | |
| K.129-LE112ZMKB4P | | | | | | | | |
| 6.9 | | 5510 | 210.74 | 36500 | 0.8 | 170 | 2KJ3512- ■ GJ23- ■ ■ H2 -Z - | |
| 7.5 | | 5070 | 194.04 | 36900 | 0.87 | 170 | 2KJ3512- ■ GJ23- ■ ■ G2 -Z - | |
| 8.8 | | 4320 | 165.47 | 37700 | 1 | 170 | 2KJ3512- ■ GJ23- ■ ■ F2 -Z - | |
| 9.4 | | 4070 | 155.74 | 37900 | 1.1 | 170 | 2KJ3512- ■ GJ23- ■ ■ E2 -Z - | |
| 10 | | 3780 | 144.53 | 38200 | 1.2 | 170 | 2KJ3512- ■ GJ23- ■ ■ D2 -Z - | |
| 11 | | 3340 | 127.77 | 38600 | 1.3 | 170 | 2KJ3512- ■ GJ23- ■ ■ C2 -Z - | |
| 13 | | 2980 | 114.06 | 39000 | 1.5 | 170 | 2KJ3512- ■ GJ23- ■ ■ B2 -Z - | |
| 14 | | 2680 | 102.64 | 39300 | 1.6 | 170 | 2KJ3512- ■ GJ23- ■ ■ A2 -Z - | |
| 16 | | 2330 | 89.09 | 39600 | 1.9 | 170 | 2KJ3512- ■ GJ23- ■ ■ X1 -Z - | |
| 18 | | 2090 | 80.12 | 39900 | 2.1 | 170 | 2KJ3512- ■ GJ23- ■ ■ W1 -Z - | |
| 21 | | 1830 | 70.03 | 40000 | 2.4 | 170 | 2KJ3512- ■ GJ23- ■ ■ V1 -Z - | |
| K.109-LE112ZMKB4P | | | | | | | | |
| 12 | | 3100 | 118.65 | 24500 | 0.93 | 120 | 2KJ3511- ■ GJ23- ■ ■ B2 -Z - | |
| 12 | | 3290 | 126.07 | 24500 | 0.88 | 120 | 2KJ3511- ■ GJ23- ■ ■ C2 -Z - | |
| 13 | | 2860 | 109.57 | 24500 | 1 | 120 | 2KJ3511- ■ GJ23- ■ ■ A2 -Z - | |
| 15 | 2550 | 97.49 | 24500 | 1.1 | 120 | 2KJ3511- ■ GJ23- ■ ■ X1 -Z - | | |
| 17 | 2260 | 86.59 | 24500 | 1.3 | 120 | 2KJ3511- ■ GJ23- ■ ■ W1 -Z - | | |
| 19 | 2020 | 77.51 | 24500 | 1.4 | 120 | 2KJ3511- ■ GJ23- ■ ■ V1 -Z - | | |
| 22 | 1730 | 66.26 | 24500 | 1.7 | 120 | 2KJ3511- ■ GJ23- ■ ■ U1 -Z - | | |
| 25 | 1540 | 59.17 | 24500 | 1.9 | 120 | 2KJ3511- ■ GJ23- ■ ■ T1 -Z - | | |
| 28 | 1360 | 52.29 | 24500 | 2.1 | 120 | 2KJ3511- ■ GJ23- ■ ■ S1 -Z - | | |
| 32 | 1200 | 45.89 | 24500 | 2.4 | 120 | 2KJ3511- ■ GJ23- ■ ■ R1 -Z - | | |
| K.89-LE112ZMKB4P | | | | | | | | |
| 20 | 1920 | 73.64 | 18100 | 0.83 | 84 | 2KJ3510- ■ GJ23- ■ ■ W1 -Z - | | |
| 23 | 1680 | 64.39 | 18100 | 0.95 | 84 | 2KJ3510- ■ GJ23- ■ ■ V1 -Z - | | |

Article No. supplement

| | | |
|-----------------------|------------------------|--------------------------------|
| Shaft design | 1 or 9 | see page 10/51 |
| Frequency and voltage | 2 or 9 | see page 11/2 |
| Gearbox mounting type | A, F, H, C or D | see page 10/42 |

Selection and ordering data

| P_N kW | n_2 rpm | T_2 Nm | i – | F_{R2} N | f_B – | m kg | Article No. (Article No. supplement, see below) | Additional identification code -Z with order code No. of poles |
|-------------------------|-------------------------|-------------|----------|---------------|------------|------------------------------|--|--|
| 4 | K.89-LE112ZMKB4P | | | | | | | |
| | 26 | 1440 | 55.27 | 18100 | 1.1 | 84 | 2KJ3510- ■ GJ23- ■ ■ U1 -Z - | |
| | 30 | 1270 | 48.85 | 18100 | 1.3 | 84 | 2KJ3510- ■ GJ23- ■ ■ T1 -Z - | |
| | 35 | 1080 | 41.54 | 18100 | 1.4 | 84 | 2KJ3510- ■ GJ23- ■ ■ S1 -Z - | |
| | 37 | 1020 | 39.29 | 18100 | 1.6 | 84 | 2KJ3510- ■ GJ23- ■ ■ R1 -Z - | |
| | 44 | 860 | 32.96 | 18100 | 1.9 | 84 | 2KJ3510- ■ GJ23- ■ ■ Q1 -Z - | |
| | 47 | 810 | 31.03 | 18100 | 2 | 84 | 2KJ3510- ■ GJ23- ■ ■ P1 -Z - | |
| | 51 | 745 | 28.46 | 18100 | 2.1 | 84 | 2KJ3510- ■ GJ23- ■ ■ N1 -Z - | |
| | 59 | 650 | 24.86 | 18100 | 2.5 | 84 | 2KJ3510- ■ GJ23- ■ ■ M1 -Z - | |
| | 66 | 580 | 22.26 | 18100 | 2.7 | 84 | 2KJ3510- ■ GJ23- ■ ■ L1 -Z - | |
| | 75 | 505 | 19.46 | 18100 | 3.1 | 84 | 2KJ3510- ■ GJ23- ■ ■ K1 -Z - | |
| | 139 | 275 | 10.51 | 18100 | 3.1 | 84 | 2KJ3510- ■ GJ23- ■ ■ E1 -Z - | |
| | 162 | 235 | 9.02 | 18100 | 3.4 | 84 | 2KJ3510- ■ GJ23- ■ ■ D1 -Z - | |
| | 183 | 205 | 7.97 | 18000 | 3.7 | 84 | 2KJ3510- ■ GJ23- ■ ■ C1 -Z - | |
| | 215 | 177 | 6.78 | 17300 | 4.1 | 84 | 2KJ3510- ■ GJ23- ■ ■ B1 -Z - | |
| | 251 | 152 | 5.81 | 16600 | 4.4 | 84 | 2KJ3510- ■ GJ23- ■ ■ A1 -Z - | |
| | K.79-LE112ZMKB4P | | | | | | | |
| | 40 | 945 | 36.26 | 13700 | 0.81 | 64 | 2KJ3508- ■ GJ23- ■ ■ Q1 -Z - | |
| | 45 | 855 | 32.78 | 13900 | 0.96 | 64 | 2KJ3508- ■ GJ23- ■ ■ P1 -Z - | |
| | 54 | 710 | 27.20 | 14100 | 1.1 | 64 | 2KJ3508- ■ GJ23- ■ ■ N1 -Z - | |
| | 57 | 670 | 25.60 | 14200 | 1.2 | 64 | 2KJ3508- ■ GJ23- ■ ■ M1 -Z - | |
| | 60 | 630 | 24.17 | 14300 | 1.2 | 64 | 2KJ3508- ■ GJ23- ■ ■ L1 -Z - | |
| | 71 | 535 | 20.57 | 14400 | 1.4 | 64 | 2KJ3508- ■ GJ23- ■ ■ K1 -Z - | |
| | 83 | 460 | 17.62 | 14400 | 1.6 | 64 | 2KJ3508- ■ GJ23- ■ ■ J1 -Z - | |
| | 94 | 405 | 15.49 | 14400 | 1.7 | 64 | 2KJ3508- ■ GJ23- ■ ■ H1 -Z - | |
| 112 | 340 | 13.07 | 14400 | 1.9 | 64 | 2KJ3508- ■ GJ23- ■ ■ G1 -Z - | | |
| 128 | 295 | 11.39 | 14000 | 2.2 | 64 | 2KJ3508- ■ GJ23- ■ ■ F1 -Z - | | |
| 139 | 275 | 10.51 | 13600 | 1.6 | 64 | 2KJ3508- ■ GJ23- ■ ■ E1 -Z - | | |
| 162 | 235 | 9.01 | 13200 | 1.9 | 64 | 2KJ3508- ■ GJ23- ■ ■ D1 -Z - | | |
| 184 | 205 | 7.92 | 12800 | 2.2 | 64 | 2KJ3508- ■ GJ23- ■ ■ C1 -Z - | | |
| 219 | 175 | 6.68 | 12300 | 2.6 | 64 | 2KJ3508- ■ GJ23- ■ ■ B1 -Z - | | |
| 251 | 152 | 5.82 | 11900 | 2.8 | 64 | 2KJ3508- ■ GJ23- ■ ■ A1 -Z - | | |
| K.69-LE112ZMKB4P | | | | | | | | |
| 56 | 680 | 26.05 | 4910 | 0.88 | 58 | 2KJ3507- ■ GJ23- ■ ■ N1 -Z - | | |
| 60 | 640 | 24.52 | 5000 | 0.93 | 58 | 2KJ3507- ■ GJ23- ■ ■ M1 -Z - | | |
| 63 | 605 | 23.15 | 5070 | 0.97 | 58 | 2KJ3507- ■ GJ23- ■ ■ L1 -Z - | | |
| 74 | 515 | 19.70 | 5220 | 1.1 | 58 | 2KJ3507- ■ GJ23- ■ ■ K1 -Z - | | |
| 86 | 440 | 16.88 | 5310 | 1.2 | 58 | 2KJ3507- ■ GJ23- ■ ■ J1 -Z - | | |
| 98 | 385 | 14.84 | 5350 | 1.3 | 58 | 2KJ3507- ■ GJ23- ■ ■ H1 -Z - | | |
| 117 | 325 | 12.52 | 5330 | 1.5 | 58 | 2KJ3507- ■ GJ23- ■ ■ G1 -Z - | | |
| 134 | 285 | 10.91 | 5270 | 1.6 | 58 | 2KJ3507- ■ GJ23- ■ ■ F1 -Z - | | |
| 156 | 240 | 9.34 | 4790 | 1.5 | 58 | 2KJ3507- ■ GJ23- ■ ■ E1 -Z - | | |
| 182 | 210 | 8.01 | 4710 | 1.7 | 58 | 2KJ3507- ■ GJ23- ■ ■ D1 -Z - | | |
| 207 | 184 | 7.04 | 4660 | 2 | 58 | 2KJ3507- ■ GJ23- ■ ■ C1 -Z - | | |
| 246 | 155 | 5.94 | 4570 | 2.2 | 58 | 2KJ3507- ■ GJ23- ■ ■ B1 -Z - | | |
| 282 | 136 | 5.18 | 4480 | 2.4 | 58 | 2KJ3507- ■ GJ23- ■ ■ A1 -Z - | | |
| K.49-LE112ZMKB4P | | | | | | | | |
| 75 | 505 | 19.38 | 2460 | 0.83 | 52 | 2KJ3505- ■ GJ23- ■ ■ M1 -Z - | | |
| 80 | 475 | 18.24 | 2560 | 0.88 | 52 | 2KJ3505- ■ GJ23- ■ ■ L1 -Z - | | |
| 89 | 425 | 16.34 | 2730 | 0.98 | 52 | 2KJ3505- ■ GJ23- ■ ■ K1 -Z - | | |
| 105 | 360 | 13.91 | 2920 | 1.2 | 52 | 2KJ3505- ■ GJ23- ■ ■ J1 -Z - | | |
| 122 | 310 | 11.93 | 3020 | 1.3 | 52 | 2KJ3505- ■ GJ23- ■ ■ H1 -Z - | | |

Article No. supplement

| | | |
|-----------------------|-----------------|----------------|
| Shaft design | 1 or 9 | see page 10/51 |
| Frequency and voltage | 2 or 9 | see page 11/2 |
| Gearbox mounting type | A, F, H, C or D | see page 10/42 |

SIMOGEAR geared motors

Bevel geared motors

Geared motors up to 55 kW

Selection and ordering data

| P_N kW | n_2 rpm | T_2 Nm | i – | F_{R2} N | f_B – | m kg | Article No. (Article No. supplement, see below) | Additional identification code -Z with order code No. of poles |
|-------------------------|-------------------------|-------------|----------|---------------|------------|------------------------------|--|--|
| 4 | K.49-LE112ZMKB4P | | | | | | | |
| | 142 | 265 | 10.27 | 3110 | 1.5 | 52 | 2KJ3505- ■ GJ23- ■ ■ G1 -Z - | |
| | 150 | 255 | 9.75 | 2960 | 1.1 | 52 | 2KJ3505- ■ GJ23- ■ ■ F1 -Z - | |
| | 159 | 240 | 9.18 | 2980 | 1.1 | 52 | 2KJ3505- ■ GJ23- ■ ■ E1 -Z - | |
| | 178 | 215 | 8.22 | 3010 | 1.2 | 52 | 2KJ3505- ■ GJ23- ■ ■ D1 -Z - | |
| | 209 | 183 | 7.00 | 3030 | 1.3 | 52 | 2KJ3505- ■ GJ23- ■ ■ C1 -Z - | |
| | 243 | 157 | 6.00 | 3020 | 1.4 | 52 | 2KJ3505- ■ GJ23- ■ ■ B1 -Z - | |
| | 282 | 135 | 5.17 | 2990 | 1.6 | 52 | 2KJ3505- ■ GJ23- ■ ■ A1 -Z - | |
| | K.39-LE112ZMKB4P | | | | | | | |
| | 183 | 205 | 7.99 | 2300 | 0.84 | 45 | 2KJ3504- ■ GJ23- ■ ■ D1 -Z - | |
| | 194 | 197 | 7.52 | 2300 | 0.87 | 45 | 2KJ3504- ■ GJ23- ■ ■ C1 -Z - | |
| | 220 | 173 | 6.63 | 2370 | 0.93 | 45 | 2KJ3504- ■ GJ23- ■ ■ B1 -Z - | |
| | 254 | 150 | 5.75 | 2420 | 1 | 45 | 2KJ3504- ■ GJ23- ■ ■ A1 -Z - | |
| | B.49-LE112ZMKB4P | | | | | | | |
| | 69 | 550 | 21.01 | 5170 | 0.82 | 49 | 2KJ3503- ■ GJ23- ■ ■ R1 -Z - | |
| | 74 | 515 | 19.77 | 5230 | 0.87 | 49 | 2KJ3503- ■ GJ23- ■ ■ Q1 -Z - | |
| | 78 | 485 | 18.67 | 5260 | 0.92 | 49 | 2KJ3503- ■ GJ23- ■ ■ P1 -Z - | |
| | 92 | 415 | 15.89 | 5280 | 1.1 | 49 | 2KJ3503- ■ GJ23- ■ ■ N1 -Z - | |
| | 107 | 355 | 13.61 | 5280 | 1.3 | 49 | 2KJ3503- ■ GJ23- ■ ■ M1 -Z - | |
| | 122 | 310 | 11.97 | 5250 | 1.4 | 49 | 2KJ3503- ■ GJ23- ■ ■ L1 -Z - | |
| | 145 | 260 | 10.10 | 5180 | 1.7 | 49 | 2KJ3503- ■ GJ23- ■ ■ K1 -Z - | |
| | 166 | 230 | 8.80 | 5070 | 2 | 49 | 2KJ3503- ■ GJ23- ■ ■ J1 -Z - | |
| | 176 | 215 | 8.29 | 5170 | 1.5 | 49 | 2KJ3503- ■ GJ23- ■ ■ H1 -Z - | |
| | 187 | 200 | 7.80 | 5130 | 1.6 | 49 | 2KJ3503- ■ GJ23- ■ ■ G1 -Z - | |
| | 198 | 193 | 7.37 | 5050 | 1.7 | 49 | 2KJ3503- ■ GJ23- ■ ■ F1 -Z - | |
| | 233 | 164 | 6.27 | 4900 | 2 | 49 | 2KJ3503- ■ GJ23- ■ ■ E1 -Z - | |
| | 272 | 141 | 5.37 | 4750 | 2.3 | 49 | 2KJ3503- ■ GJ23- ■ ■ D1 -Z - | |
| | 309 | 123 | 4.72 | 4620 | 2.7 | 49 | 2KJ3503- ■ GJ23- ■ ■ C1 -Z - | |
| 367 | 104 | 3.98 | 4440 | 3.2 | 49 | 2KJ3503- ■ GJ23- ■ ■ B1 -Z - | | |
| 421 | 91 | 3.47 | 4290 | 3.6 | 49 | 2KJ3503- ■ GJ23- ■ ■ A1 -Z - | | |
| B.39-LE112ZMKB4P | | | | | | | | |
| 137 | 280 | 10.69 | 4640 | 0.86 | 44 | 2KJ3502- ■ GJ23- ■ ■ J1 -Z - | | |
| 159 | 240 | 9.17 | 4600 | 0.96 | 44 | 2KJ3502- ■ GJ23- ■ ■ H1 -Z - | | |
| 185 | 205 | 7.89 | 4560 | 1.1 | 44 | 2KJ3502- ■ GJ23- ■ ■ G1 -Z - | | |
| 221 | 173 | 6.60 | 4580 | 1.2 | 44 | 2KJ3502- ■ GJ23- ■ ■ F1 -Z - | | |
| 235 | 162 | 6.21 | 4550 | 1.2 | 44 | 2KJ3502- ■ GJ23- ■ ■ E1 -Z - | | |
| 263 | 145 | 5.56 | 4460 | 1.4 | 44 | 2KJ3502- ■ GJ23- ■ ■ D1 -Z - | | |
| 308 | 124 | 4.74 | 4320 | 1.6 | 44 | 2KJ3502- ■ GJ23- ■ ■ C1 -Z - | | |
| 360 | 106 | 4.06 | 4180 | 1.9 | 44 | 2KJ3502- ■ GJ23- ■ ■ B1 -Z - | | |
| 417 | 92 | 3.50 | 4040 | 2.1 | 44 | 2KJ3502- ■ GJ23- ■ ■ A1 -Z - | | |
| 5.5 | K.189-LE132ZMS6P | | | | | | | |
| | 4.9 | 10700 | 199.51 | 104000 | 1.8 | 683 | 2KJ3515- ■ HL23- ■ ■ W1 -Z P01 | |
| | 5.5 | 9610 | 178.49 | 104000 | 2 | 683 | 2KJ3515- ■ HL23- ■ ■ V1 -Z P01 | |
| | K.169-LE132ZMS6P | | | | | | | |
| | 4.4 | 12000 | 223.30 | 70000 | 1.1 | 453 | 2KJ3514- ■ HL23- ■ ■ F2 -Z P01 | |
| | 4.7 | 11200 | 208.35 | 70000 | 1.2 | 453 | 2KJ3514- ■ HL23- ■ ■ E2 -Z P01 | |
| | 5.3 | 9970 | 185.23 | 70000 | 1.3 | 453 | 2KJ3514- ■ HL23- ■ ■ D2 -Z P01 | |
| | 5.9 | 8950 | 166.31 | 70000 | 1.5 | 453 | 2KJ3514- ■ HL23- ■ ■ C2 -Z P01 | |
| | K.169-LE132ZST4P | | | | | | | |
| | 6.6 | 7970 | 223.30 | 70000 | 1.6 | 453 | 2KJ3514- ■ HJ23- ■ ■ F2 -Z - | |
| | 7.1 | 7440 | 208.35 | 70000 | 1.7 | 453 | 2KJ3514- ■ HJ23- ■ ■ E2 -Z - | |
| | 7.9 | 6610 | 185.23 | 70000 | 2 | 453 | 2KJ3514- ■ HJ23- ■ ■ D2 -Z - | |

Article No. supplement

| | | |
|-----------------------|------------------------|--------------------------------|
| Shaft design | 1 or 9 | see page 10/51 |
| Frequency and voltage | 2 or 9 | see page 11/2 |
| Gearbox mounting type | A, F, H, C or D | see page 10/42 |

Selection and ordering data

| P_N kW | n_2 rpm | T_2 Nm | i – | F_{R2} N | f_B – | m kg | Article No. (Article No. supplement, see below) | Additional identification code -Z with order code No. of poles |
|-------------------------|-------------------------|-------------|----------|---------------|------------|----------------------------|--|--|
| 5.5 | K.149-LE132ZMS6P | | | | | | | |
| | 5.4 | 9640 | 178.97 | 65000 | 0.83 | 283 | 2KJ3513- ■ HL23- ■ ■ F2 -Z | P01 |
| | K.149-LE132ZST4P | | | | | | | |
| | 6.2 | 8460 | 237.03 | 65000 | 0.94 | 283 | 2KJ3513- ■ HJ23- ■ ■ J2 -Z | – |
| | 7.2 | 7240 | 202.86 | 65000 | 1.1 | 283 | 2KJ3513- ■ HJ23- ■ ■ H2 -Z | – |
| | 7.7 | 6820 | 190.92 | 65000 | 1.2 | 283 | 2KJ3513- ■ HJ23- ■ ■ G2 -Z | – |
| | 8.2 | 6390 | 178.97 | 65000 | 1.3 | 283 | 2KJ3513- ■ HJ23- ■ ■ F2 -Z | – |
| | 9.3 | 5660 | 158.65 | 65000 | 1.4 | 283 | 2KJ3513- ■ HJ23- ■ ■ E2 -Z | – |
| | 10 | 5030 | 140.93 | 65000 | 1.6 | 283 | 2KJ3513- ■ HJ23- ■ ■ D2 -Z | – |
| | 12 | 4540 | 127.16 | 65000 | 1.8 | 283 | 2KJ3513- ■ HJ23- ■ ■ C2 -Z | – |
| 13 | 4020 | 112.68 | 65000 | 2 | 283 | 2KJ3513- ■ HJ23- ■ ■ B2 -Z | – | |
| 15 | 3560 | 99.79 | 65000 | 2.2 | 283 | 2KJ3513- ■ HJ23- ■ ■ A2 -Z | – | |
| K.129-LE132ZST4P | | | | | | | | |
| 10 | 5160 | 144.53 | 36900 | 0.85 | 200 | 2KJ3512- ■ HJ23- ■ ■ D2 -Z | – | |
| 12 | 4560 | 127.77 | 37400 | 0.96 | 200 | 2KJ3512- ■ HJ23- ■ ■ C2 -Z | – | |
| 13 | 4070 | 114.06 | 37900 | 1.1 | 200 | 2KJ3512- ■ HJ23- ■ ■ B2 -Z | – | |
| 14 | 3660 | 102.64 | 38300 | 1.2 | 200 | 2KJ3512- ■ HJ23- ■ ■ A2 -Z | – | |
| 17 | 3180 | 89.09 | 38800 | 1.4 | 200 | 2KJ3512- ■ HJ23- ■ ■ X1 -Z | – | |
| 18 | 2860 | 80.12 | 39100 | 1.5 | 200 | 2KJ3512- ■ HJ23- ■ ■ W1 -Z | – | |
| 21 | 2500 | 70.03 | 39400 | 1.8 | 200 | 2KJ3512- ■ HJ23- ■ ■ V1 -Z | – | |
| 24 | 2230 | 62.49 | 39700 | 2 | 200 | 2KJ3512- ■ HJ23- ■ ■ U1 -Z | – | |
| 27 | 1960 | 55.05 | 40000 | 2.2 | 200 | 2KJ3512- ■ HJ23- ■ ■ T1 -Z | – | |
| K.109-LE132ZST4P | | | | | | | | |
| 15 | 3480 | 97.49 | 24500 | 0.83 | 151 | 2KJ3511- ■ HJ23- ■ ■ X1 -Z | – | |
| 17 | 3090 | 86.59 | 24500 | 0.94 | 151 | 2KJ3511- ■ HJ23- ■ ■ W1 -Z | – | |
| 19 | 2770 | 77.51 | 24500 | 1 | 151 | 2KJ3511- ■ HJ23- ■ ■ V1 -Z | – | |
| 22 | 2360 | 66.26 | 24500 | 1.2 | 151 | 2KJ3511- ■ HJ23- ■ ■ U1 -Z | – | |
| 25 | 2110 | 59.17 | 24500 | 1.4 | 151 | 2KJ3511- ■ HJ23- ■ ■ T1 -Z | – | |
| 28 | 1860 | 52.29 | 24500 | 1.6 | 151 | 2KJ3511- ■ HJ23- ■ ■ S1 -Z | – | |
| 32 | 1640 | 45.89 | 24500 | 1.8 | 151 | 2KJ3511- ■ HJ23- ■ ■ R1 -Z | – | |
| 37 | 1420 | 39.95 | 24500 | 2 | 151 | 2KJ3511- ■ HJ23- ■ ■ Q1 -Z | – | |
| 43 | 1220 | 34.15 | 24500 | 2.2 | 151 | 2KJ3511- ■ HJ23- ■ ■ P1 -Z | – | |
| 50 | 1040 | 29.23 | 24500 | 2.5 | 151 | 2KJ3511- ■ HJ23- ■ ■ N1 -Z | – | |
| 59 | 890 | 24.98 | 24500 | 2.7 | 151 | 2KJ3511- ■ HJ23- ■ ■ M1 -Z | – | |
| 66 | 795 | 22.31 | 24500 | 3 | 151 | 2KJ3511- ■ HJ23- ■ ■ L1 -Z | – | |
| 141 | 370 | 10.45 | 21400 | 3.4 | 151 | 2KJ3511- ■ HJ23- ■ ■ E1 -Z | – | |
| 160 | 325 | 9.17 | 20700 | 3.9 | 151 | 2KJ3511- ■ HJ23- ■ ■ D1 -Z | – | |
| K.89-LE132ZST4P | | | | | | | | |
| 27 | 1970 | 55.27 | 18100 | 0.81 | 115 | 2KJ3510- ■ HJ23- ■ ■ U1 -Z | – | |
| 30 | 1740 | 48.85 | 18100 | 0.92 | 115 | 2KJ3510- ■ HJ23- ■ ■ T1 -Z | – | |
| 35 | 1480 | 41.54 | 18100 | 1.1 | 115 | 2KJ3510- ■ HJ23- ■ ■ S1 -Z | – | |
| 37 | 1400 | 39.29 | 18100 | 1.1 | 115 | 2KJ3510- ■ HJ23- ■ ■ R1 -Z | – | |
| 45 | 1170 | 32.96 | 18100 | 1.4 | 115 | 2KJ3510- ■ HJ23- ■ ■ Q1 -Z | – | |
| 47 | 1100 | 31.03 | 18100 | 1.4 | 115 | 2KJ3510- ■ HJ23- ■ ■ P1 -Z | – | |
| 52 | 1010 | 28.46 | 18100 | 1.6 | 115 | 2KJ3510- ■ HJ23- ■ ■ N1 -Z | – | |
| 59 | 885 | 24.86 | 18100 | 1.8 | 115 | 2KJ3510- ■ HJ23- ■ ■ M1 -Z | – | |
| 66 | 795 | 22.26 | 18100 | 2 | 115 | 2KJ3510- ■ HJ23- ■ ■ L1 -Z | – | |
| 76 | 695 | 19.46 | 18100 | 2.2 | 115 | 2KJ3510- ■ HJ23- ■ ■ K1 -Z | – | |
| 88 | 595 | 16.71 | 18100 | 2.5 | 115 | 2KJ3510- ■ HJ23- ■ ■ J1 -Z | – | |
| 100 | 525 | 14.77 | 18100 | 2.7 | 115 | 2KJ3510- ■ HJ23- ■ ■ H1 -Z | – | |
| 117 | 445 | 12.56 | 18100 | 3 | 115 | 2KJ3510- ■ HJ23- ■ ■ G1 -Z | – | |
| 137 | 380 | 10.76 | 18100 | 3.3 | 115 | 2KJ3510- ■ HJ23- ■ ■ F1 -Z | – | |

Article No. supplement

| | | |
|-----------------------|-----------------|----------------|
| Shaft design | 1 or 9 | see page 10/51 |
| Frequency and voltage | 2 or 9 | see page 11/2 |
| Gearbox mounting type | A, F, H, C or D | see page 10/42 |

SIMOGEAR geared motors

Bevel geared motors

Geared motors up to 55 kW

Selection and ordering data

| P_N kW | n_2 rpm | T_2 Nm | i – | F_{R2} N | f_B – | m kg | Article No. (Article No. supplement, see below) | Additional identification code -Z with order code No. of poles |
|------------------------|------------------------|-------------|----------|---------------|------------|------------------------------|--|--|
| 5.5 | K.89-LE132ZST4P | | | | | | | |
| | 140 | 375 | 10.51 | 18100 | 2.3 | 115 | 2KJ3510- ■ HJ23- ■ ■ E1 -Z - | |
| | 163 | 320 | 9.02 | 18000 | 2.5 | 115 | 2KJ3510- ■ HJ23- ■ ■ D1 -Z - | |
| | 184 | 285 | 7.97 | 17500 | 2.7 | 115 | 2KJ3510- ■ HJ23- ■ ■ C1 -Z - | |
| | 217 | 240 | 6.78 | 16900 | 3 | 115 | 2KJ3510- ■ HJ23- ■ ■ B1 -Z - | |
| | 253 | 205 | 5.81 | 16200 | 3.3 | 115 | 2KJ3510- ■ HJ23- ■ ■ A1 -Z - | |
| | K.79-LE132ZST4P | | | | | | | |
| | 54 | 970 | 27.20 | 13600 | 0.82 | 94 | 2KJ3508- ■ HJ23- ■ ■ N1 -Z - | |
| | 57 | 915 | 25.60 | 13700 | 0.86 | 94 | 2KJ3508- ■ HJ23- ■ ■ M1 -Z - | |
| | 61 | 860 | 24.17 | 13800 | 0.89 | 94 | 2KJ3508- ■ HJ23- ■ ■ L1 -Z - | |
| | 71 | 735 | 20.57 | 14100 | 1 | 94 | 2KJ3508- ■ HJ23- ■ ■ K1 -Z - | |
| | 83 | 630 | 17.62 | 14200 | 1.1 | 94 | 2KJ3508- ■ HJ23- ■ ■ J1 -Z - | |
| | 95 | 550 | 15.49 | 14000 | 1.3 | 94 | 2KJ3508- ■ HJ23- ■ ■ H1 -Z - | |
| | 112 | 465 | 13.07 | 13600 | 1.4 | 94 | 2KJ3508- ■ HJ23- ■ ■ G1 -Z - | |
| | 129 | 405 | 11.39 | 13300 | 1.6 | 94 | 2KJ3508- ■ HJ23- ■ ■ F1 -Z - | |
| | 140 | 375 | 10.51 | 13000 | 1.2 | 94 | 2KJ3508- ■ HJ23- ■ ■ E1 -Z - | |
| | 163 | 320 | 9.01 | 12600 | 1.4 | 94 | 2KJ3508- ■ HJ23- ■ ■ D1 -Z - | |
| | 186 | 280 | 7.92 | 12300 | 1.6 | 94 | 2KJ3508- ■ HJ23- ■ ■ C1 -Z - | |
| 220 | 235 | 6.68 | 11900 | 1.9 | 94 | 2KJ3508- ■ HJ23- ■ ■ B1 -Z - | | |
| 253 | 205 | 5.82 | 11500 | 2.1 | 94 | 2KJ3508- ■ HJ23- ■ ■ A1 -Z - | | |
| K.69-LE132ZST4P | | | | | | | | |
| 87 | 600 | 16.88 | 4150 | 0.88 | 88 | 2KJ3507- ■ HJ23- ■ ■ J1 -Z - | | |
| 99 | 530 | 14.84 | 4290 | 0.97 | 88 | 2KJ3507- ■ HJ23- ■ ■ H1 -Z - | | |
| 117 | 445 | 12.52 | 4450 | 1.1 | 88 | 2KJ3507- ■ HJ23- ■ ■ G1 -Z - | | |
| 135 | 390 | 10.91 | 4500 | 1.2 | 88 | 2KJ3507- ■ HJ23- ■ ■ F1 -Z - | | |
| 157 | 330 | 9.34 | 3970 | 1.1 | 88 | 2KJ3507- ■ HJ23- ■ ■ E1 -Z - | | |
| 184 | 285 | 8.01 | 4020 | 1.3 | 88 | 2KJ3507- ■ HJ23- ■ ■ D1 -Z - | | |
| 209 | 250 | 7.04 | 4060 | 1.5 | 88 | 2KJ3507- ■ HJ23- ■ ■ C1 -Z - | | |
| 247 | 210 | 5.94 | 4070 | 1.6 | 88 | 2KJ3507- ■ HJ23- ■ ■ B1 -Z - | | |
| 284 | 185 | 5.18 | 4030 | 1.8 | 88 | 2KJ3507- ■ HJ23- ■ ■ A1 -Z - | | |
| K.49-LE132ZST4P | | | | | | | | |
| 106 | 495 | 13.91 | 1850 | 0.85 | 82 | 2KJ3505- ■ HJ23- ■ ■ J1 -Z - | | |
| 123 | 425 | 11.93 | 2110 | 0.99 | 82 | 2KJ3505- ■ HJ23- ■ ■ H1 -Z - | | |
| 143 | 365 | 10.27 | 2320 | 1.1 | 82 | 2KJ3505- ■ HJ23- ■ ■ G1 -Z - | | |
| 160 | 325 | 9.18 | 2260 | 0.82 | 82 | 2KJ3505- ■ HJ23- ■ ■ E1 -Z - | | |
| 179 | 290 | 8.22 | 2380 | 0.87 | 82 | 2KJ3505- ■ HJ23- ■ ■ D1 -Z - | | |
| 210 | 250 | 7.00 | 2460 | 0.96 | 82 | 2KJ3505- ■ HJ23- ■ ■ C1 -Z - | | |
| 245 | 210 | 6.00 | 2560 | 1 | 82 | 2KJ3505- ■ HJ23- ■ ■ B1 -Z - | | |
| 284 | 185 | 5.17 | 2560 | 1.1 | 82 | 2KJ3505- ■ HJ23- ■ ■ A1 -Z - | | |
| B.49-LE132ZST4P | | | | | | | | |
| 108 | 485 | 13.61 | 4390 | 0.93 | 79 | 2KJ3503- ■ HJ23- ■ ■ M1 -Z - | | |
| 123 | 425 | 11.97 | 4470 | 1.1 | 79 | 2KJ3503- ■ HJ23- ■ ■ L1 -Z - | | |
| 146 | 360 | 10.10 | 4500 | 1.2 | 79 | 2KJ3503- ■ HJ23- ■ ■ K1 -Z - | | |
| 167 | 310 | 8.80 | 4530 | 1.4 | 79 | 2KJ3503- ■ HJ23- ■ ■ J1 -Z - | | |
| 177 | 295 | 8.29 | 4670 | 1.1 | 79 | 2KJ3503- ■ HJ23- ■ ■ H1 -Z - | | |
| 188 | 275 | 7.80 | 4660 | 1.2 | 79 | 2KJ3503- ■ HJ23- ■ ■ G1 -Z - | | |
| 199 | 260 | 7.37 | 4640 | 1.3 | 79 | 2KJ3503- ■ HJ23- ■ ■ F1 -Z - | | |
| 234 | 220 | 6.27 | 4550 | 1.5 | 79 | 2KJ3503- ■ HJ23- ■ ■ E1 -Z - | | |
| 274 | 192 | 5.37 | 4430 | 1.7 | 79 | 2KJ3503- ■ HJ23- ■ ■ D1 -Z - | | |
| 311 | 169 | 4.72 | 4330 | 2 | 79 | 2KJ3503- ■ HJ23- ■ ■ C1 -Z - | | |
| 369 | 142 | 3.98 | 4200 | 2.3 | 79 | 2KJ3503- ■ HJ23- ■ ■ B1 -Z - | | |
| 424 | 124 | 3.47 | 4080 | 2.6 | 79 | 2KJ3503- ■ HJ23- ■ ■ A1 -Z - | | |

Article No. supplement

| | | |
|-----------------------|------------------------|--------------------------------|
| Shaft design | 1 or 9 | see page 10/51 |
| Frequency and voltage | 2 or 9 | see page 11/2 |
| Gearbox mounting type | A, F, H, C or D | see page 10/42 |

Selection and ordering data

| P_N kW | n_2 rpm | T_2 Nm | i – | F_{R2} N | f_B – | m kg | Article No. (Article No. supplement, see below) | Additional identification code -Z with order code No. of poles |
|-------------------------|-------------------------|-------------|----------|---------------|------------|------------------------|--|--|
| 7.5 | K.189-LE132ZMS4P | | | | | | | |
| | 7.3 | 9750 | 199.51 | 104000 | 2 | 683 | 2KJ3515- HL23- W1 -Z - | |
| | K.169-LE132ZMS4P | | | | | | | |
| | 6.6 | 10900 | 223.30 | 70000 | 1.2 | 453 | 2KJ3514- HL23- F2 -Z - | |
| | 7 | 10100 | 208.35 | 70000 | 1.3 | 453 | 2KJ3514- HL23- E2 -Z - | |
| | 7.9 | 9050 | 185.23 | 70000 | 1.4 | 453 | 2KJ3514- HL23- D2 -Z - | |
| | 8.8 | 8130 | 166.31 | 70000 | 1.6 | 453 | 2KJ3514- HL23- C2 -Z - | |
| | 9.7 | 7360 | 150.55 | 70000 | 1.8 | 453 | 2KJ3514- HL23- B2 -Z - | |
| | 11 | 6460 | 132.24 | 70000 | 2 | 453 | 2KJ3514- HL23- A2 -Z - | |
| | 12 | 5850 | 119.83 | 70000 | 2.2 | 453 | 2KJ3514- HL23- X1 -Z - | |
| K.149-LE132ZMS4P | | | | | | | | |
| 7.2 | 9910 | 202.86 | 65000 | 0.81 | 283 | 2KJ3513- HL23- H2 -Z - | | |
| 7.7 | 9330 | 190.92 | 65000 | 0.86 | 283 | 2KJ3513- HL23- G2 -Z - | | |
| 8.2 | 8750 | 178.97 | 65000 | 0.91 | 283 | 2KJ3513- HL23- F2 -Z - | | |
| 9.2 | 7750 | 158.65 | 65000 | 1 | 283 | 2KJ3513- HL23- E2 -Z - | | |
| 10 | 6890 | 140.93 | 65000 | 1.2 | 283 | 2KJ3513- HL23- D2 -Z - | | |
| 12 | 6210 | 127.16 | 65000 | 1.3 | 283 | 2KJ3513- HL23- C2 -Z - | | |
| 13 | 5500 | 112.68 | 65000 | 1.5 | 283 | 2KJ3513- HL23- B2 -Z - | | |
| 15 | 4870 | 99.79 | 64100 | 1.6 | 283 | 2KJ3513- HL23- A2 -Z - | | |
| 16 | 4340 | 88.81 | 62900 | 1.8 | 283 | 2KJ3513- HL23- X1 -Z - | | |
| 18 | 3890 | 79.59 | 61700 | 2.1 | 283 | 2KJ3513- HL23- W1 -Z - | | |
| 21 | 3450 | 70.56 | 60400 | 2.3 | 283 | 2KJ3513- HL23- V1 -Z - | | |
| K.129-LE132ZMS4P | | | | | | | | |
| 14 | 5010 | 102.64 | 37000 | 0.88 | 200 | 2KJ3512- HL23- A2 -Z - | | |
| 16 | 4350 | 89.09 | 37600 | 1 | 200 | 2KJ3512- HL23- X1 -Z - | | |
| 18 | 3910 | 80.12 | 38100 | 1.1 | 200 | 2KJ3512- HL23- W1 -Z - | | |
| 21 | 3420 | 70.03 | 38600 | 1.3 | 200 | 2KJ3512- HL23- V1 -Z - | | |
| 23 | 3050 | 62.49 | 38900 | 1.4 | 200 | 2KJ3512- HL23- U1 -Z - | | |
| 27 | 2690 | 55.05 | 39300 | 1.6 | 200 | 2KJ3512- HL23- T1 -Z - | | |
| 30 | 2350 | 48.24 | 39300 | 1.9 | 200 | 2KJ3512- HL23- S1 -Z - | | |
| 35 | 2050 | 42.04 | 38400 | 2.1 | 200 | 2KJ3512- HL23- R1 -Z - | | |
| 38 | 1870 | 38.37 | 37700 | 2.3 | 200 | 2KJ3512- HL23- Q1 -Z - | | |
| 44 | 1610 | 33.03 | 36700 | 2.7 | 200 | 2KJ3512- HL23- P1 -Z - | | |
| K.109-LE132ZMS4P | | | | | | | | |
| 22 | 3240 | 66.26 | 24500 | 0.9 | 151 | 2KJ3511- HL23- U1 -Z - | | |
| 25 | 2890 | 59.17 | 24500 | 1 | 151 | 2KJ3511- HL23- T1 -Z - | | |
| 28 | 2550 | 52.29 | 24500 | 1.1 | 151 | 2KJ3511- HL23- S1 -Z - | | |
| 32 | 2240 | 45.89 | 24500 | 1.3 | 151 | 2KJ3511- HL23- R1 -Z - | | |
| 37 | 1950 | 39.95 | 24500 | 1.4 | 151 | 2KJ3511- HL23- Q1 -Z - | | |
| 43 | 1670 | 34.15 | 24500 | 1.6 | 151 | 2KJ3511- HL23- P1 -Z - | | |
| 50 | 1420 | 29.23 | 24500 | 1.8 | 151 | 2KJ3511- HL23- N1 -Z - | | |
| 59 | 1220 | 24.98 | 24500 | 1.9 | 151 | 2KJ3511- HL23- M1 -Z - | | |
| 66 | 1090 | 22.31 | 24500 | 2.2 | 151 | 2KJ3511- HL23- L1 -Z - | | |
| 74 | 960 | 19.71 | 24200 | 2.5 | 151 | 2KJ3511- HL23- K1 -Z - | | |
| 85 | 845 | 17.30 | 23600 | 2.8 | 151 | 2KJ3511- HL23- J1 -Z - | | |
| 97 | 735 | 15.06 | 22900 | 3.1 | 151 | 2KJ3511- HL23- H1 -Z - | | |
| 114 | 625 | 12.87 | 22100 | 3.5 | 151 | 2KJ3511- HL23- G1 -Z - | | |
| 140 | 510 | 10.45 | 20800 | 2.5 | 151 | 2KJ3511- HL23- E1 -Z - | | |
| 160 | 445 | 9.17 | 20200 | 2.8 | 151 | 2KJ3511- HL23- D1 -Z - | | |
| 183 | 390 | 7.99 | 19500 | 3.3 | 151 | 2KJ3511- HL23- C1 -Z - | | |
| 214 | 330 | 6.83 | 18800 | 3.9 | 151 | 2KJ3511- HL23- B1 -Z - | | |
| 251 | 285 | 5.84 | 18100 | 4.6 | 151 | 2KJ3511- HL23- A1 -Z - | | |

Article No. supplement

| | | |
|-----------------------|-----------------|----------------|
| Shaft design | 1 or 9 | see page 10/51 |
| Frequency and voltage | 2 or 9 | see page 11/2 |
| Gearbox mounting type | A, F, H, C or D | see page 10/42 |

SIMOGEAR geared motors

Bevel geared motors

Geared motors up to 55 kW

Selection and ordering data

| P_N kW | n_2 rpm | T_2 Nm | i – | F_{R2} N | f_B – | m kg | Article No. (Article No. supplement, see below) | Additional identification code -Z with order code No. of poles | |
|-------------|------------------------|-------------------------|----------|---------------|------------|-----------|--|--|--|
| 7.5 | K.89-LE132ZMS4P | | | | | | | | |
| | 37 | 1920 | 39.29 | 18100 | 0.83 | 115 | 2KJ3510- ■ HL23- ■ ■ R1 -Z - | | |
| | 44 | 1610 | 32.96 | 18100 | 0.99 | 115 | 2KJ3510- ■ HL23- ■ ■ Q1 -Z - | | |
| | 47 | 1510 | 31.03 | 18100 | 1.1 | 115 | 2KJ3510- ■ HL23- ■ ■ P1 -Z - | | |
| | 51 | 1390 | 28.46 | 18100 | 1.1 | 115 | 2KJ3510- ■ HL23- ■ ■ N1 -Z - | | |
| | 59 | 1210 | 24.86 | 18100 | 1.3 | 115 | 2KJ3510- ■ HL23- ■ ■ M1 -Z - | | |
| | 66 | 1080 | 22.26 | 18100 | 1.5 | 115 | 2KJ3510- ■ HL23- ■ ■ L1 -Z - | | |
| | 75 | 950 | 19.46 | 18100 | 1.6 | 115 | 2KJ3510- ■ HL23- ■ ■ K1 -Z - | | |
| | 88 | 815 | 16.71 | 18100 | 1.8 | 115 | 2KJ3510- ■ HL23- ■ ■ J1 -Z - | | |
| | 99 | 720 | 14.77 | 18100 | 2 | 115 | 2KJ3510- ■ HL23- ■ ■ H1 -Z - | | |
| | 117 | 610 | 12.56 | 18100 | 2.2 | 115 | 2KJ3510- ■ HL23- ■ ■ G1 -Z - | | |
| | 136 | 525 | 10.76 | 18100 | 2.4 | 115 | 2KJ3510- ■ HL23- ■ ■ F1 -Z - | | |
| | 139 | 510 | 10.51 | 17900 | 1.6 | 115 | 2KJ3510- ■ HL23- ■ ■ E1 -Z - | | |
| | 162 | 440 | 9.02 | 17400 | 1.8 | 115 | 2KJ3510- ■ HL23- ■ ■ D1 -Z - | | |
| | 184 | 390 | 7.97 | 16900 | 2 | 115 | 2KJ3510- ■ HL23- ■ ■ C1 -Z - | | |
| | 216 | 330 | 6.78 | 16400 | 2.2 | 115 | 2KJ3510- ■ HL23- ■ ■ B1 -Z - | | |
| | 252 | 280 | 5.81 | 15800 | 2.4 | 115 | 2KJ3510- ■ HL23- ■ ■ A1 -Z - | | |
| | 7.5 | K.79-LE132ZMS4P | | | | | | | |
| | | 83 | 860 | 17.62 | 12900 | 0.83 | 94 | 2KJ3508- ■ HL23- ■ ■ J1 -Z - | |
| | | 95 | 755 | 15.49 | 12900 | 0.92 | 94 | 2KJ3508- ■ HL23- ■ ■ H1 -Z - | |
| 112 | | 635 | 13.07 | 12700 | 1 | 94 | 2KJ3508- ■ HL23- ■ ■ G1 -Z - | | |
| 129 | | 555 | 11.39 | 12500 | 1.2 | 94 | 2KJ3508- ■ HL23- ■ ■ F1 -Z - | | |
| 139 | | 510 | 10.51 | 12100 | 0.87 | 94 | 2KJ3508- ■ HL23- ■ ■ E1 -Z - | | |
| 163 | | 440 | 9.01 | 11900 | 1 | 94 | 2KJ3508- ■ HL23- ■ ■ D1 -Z - | | |
| 185 | | 385 | 7.92 | 11700 | 1.2 | 94 | 2KJ3508- ■ HL23- ■ ■ C1 -Z - | | |
| 219 | | 325 | 6.68 | 11300 | 1.4 | 94 | 2KJ3508- ■ HL23- ■ ■ B1 -Z - | | |
| 252 | | 285 | 5.82 | 11000 | 1.5 | 94 | 2KJ3508- ■ HL23- ■ ■ A1 -Z - | | |
| 7.5 | | K.69-LE132ZMS4P | | | | | | | |
| | 117 | 610 | 12.52 | 3290 | 0.8 | 88 | 2KJ3507- ■ HL23- ■ ■ G1 -Z - | | |
| | 134 | 530 | 10.91 | 3520 | 0.88 | 88 | 2KJ3507- ■ HL23- ■ ■ F1 -Z - | | |
| | 157 | 455 | 9.34 | 2860 | 0.81 | 88 | 2KJ3507- ■ HL23- ■ ■ E1 -Z - | | |
| | 183 | 390 | 8.01 | 3090 | 0.93 | 88 | 2KJ3507- ■ HL23- ■ ■ D1 -Z - | | |
| | 208 | 340 | 7.04 | 3260 | 1.1 | 88 | 2KJ3507- ■ HL23- ■ ■ C1 -Z - | | |
| | 247 | 290 | 5.94 | 3360 | 1.2 | 88 | 2KJ3507- ■ HL23- ■ ■ B1 -Z - | | |
| | 283 | 250 | 5.18 | 3450 | 1.3 | 88 | 2KJ3507- ■ HL23- ■ ■ A1 -Z - | | |
| 7.5 | K.49-LE132ZMS4P | | | | | | | | |
| | 143 | 500 | 10.27 | 1270 | 0.83 | 82 | 2KJ3505- ■ HL23- ■ ■ G1 -Z - | | |
| | 283 | 250 | 5.17 | 2030 | 0.83 | 82 | 2KJ3505- ■ HL23- ■ ■ A1 -Z - | | |
| 7.5 | B.49-LE132ZMS4P | | | | | | | | |
| | 145 | 490 | 10.10 | 3650 | 0.91 | 79 | 2KJ3503- ■ HL23- ■ ■ K1 -Z - | | |
| | 166 | 430 | 8.80 | 3740 | 1 | 79 | 2KJ3503- ■ HL23- ■ ■ J1 -Z - | | |
| | 177 | 405 | 8.29 | 4010 | 0.81 | 79 | 2KJ3503- ■ HL23- ■ ■ H1 -Z - | | |
| | 188 | 380 | 7.80 | 4030 | 0.87 | 79 | 2KJ3503- ■ HL23- ■ ■ G1 -Z - | | |
| | 199 | 360 | 7.37 | 4040 | 0.92 | 79 | 2KJ3503- ■ HL23- ■ ■ F1 -Z - | | |
| | 234 | 305 | 6.27 | 4040 | 1.1 | 79 | 2KJ3503- ■ HL23- ■ ■ E1 -Z - | | |
| | 273 | 260 | 5.37 | 4020 | 1.3 | 79 | 2KJ3503- ■ HL23- ■ ■ D1 -Z - | | |
| | 310 | 230 | 4.72 | 3970 | 1.4 | 79 | 2KJ3503- ■ HL23- ■ ■ C1 -Z - | | |
| | 368 | 195 | 3.98 | 3880 | 1.7 | 79 | 2KJ3503- ■ HL23- ■ ■ B1 -Z - | | |
| | 422 | 170 | 3.47 | 3810 | 1.9 | 79 | 2KJ3503- ■ HL23- ■ ■ A1 -Z - | | |
| | 9.2 | K.189-LE160MPA4P | | | | | | | |
| | | 7.4 | 11800 | 199.51 | 104000 | 1.6 | 700 | 2KJ3515- ■ JQ23- ■ ■ W1 -Z - | |
| 8.3 | | 10500 | 178.49 | 104000 | 1.8 | 700 | 2KJ3515- ■ JQ23- ■ ■ V1 -Z - | | |

Article No. supplement

| | | |
|-----------------------|------------------------|--------------------------------|
| Shaft design | 1 or 9 | see page 10/51 |
| Frequency and voltage | 2 or 9 | see page 11/2 |
| Gearbox mounting type | A, F, H, C or D | see page 10/42 |

Selection and ordering data

| P_N kW | n_2 rpm | T_2 Nm | i – | F_{R2} N | f_B – | m kg | Article No. (Article No. supplement, see below) | Additional identification code -Z with order code No. of poles |
|-------------------------|-------------------------|-------------|----------|---------------|------------|------------------------|--|--|
| 9.2 | K.189-LE160MPA4P | | | | | | | |
| | 9.2 | 9550 | 160.98 | 104000 | 2 | 700 | 2KJ3515- JQ23- U1 -Z - | |
| | K.169-LE160MPA4P | | | | | | | |
| | 6.6 | 13200 | 223.30 | 70000 | 0.98 | 469 | 2KJ3514- JQ23- F2 -Z - | |
| | 7.1 | 12300 | 208.35 | 70000 | 1.1 | 469 | 2KJ3514- JQ23- E2 -Z - | |
| | 8 | 10900 | 185.23 | 70000 | 1.2 | 469 | 2KJ3514- JQ23- D2 -Z - | |
| | 8.9 | 9870 | 166.31 | 70000 | 1.3 | 469 | 2KJ3514- JQ23- C2 -Z - | |
| | 9.8 | 8930 | 150.55 | 70000 | 1.5 | 469 | 2KJ3514- JQ23- B2 -Z - | |
| | 11 | 7850 | 132.24 | 70000 | 1.7 | 469 | 2KJ3514- JQ23- A2 -Z - | |
| | 12 | 7110 | 119.83 | 70000 | 1.8 | 469 | 2KJ3514- JQ23- X1 -Z - | |
| 14 | 6330 | 106.72 | 70000 | 2.1 | 469 | 2KJ3514- JQ23- W1 -Z - | | |
| K.149-LE160MPA4P | | | | | | | | |
| 9.3 | 9410 | 158.65 | 62700 | 0.85 | 301 | 2KJ3513- JQ23- E2 -Z - | | |
| 11 | 8360 | 140.93 | 62600 | 0.96 | 301 | 2KJ3513- JQ23- D2 -Z - | | |
| 12 | 7540 | 127.16 | 62200 | 1.1 | 301 | 2KJ3513- JQ23- C2 -Z - | | |
| 13 | 6680 | 112.68 | 61700 | 1.2 | 301 | 2KJ3513- JQ23- B2 -Z - | | |
| 15 | 5920 | 99.79 | 60900 | 1.4 | 301 | 2KJ3513- JQ23- A2 -Z - | | |
| 17 | 5270 | 88.81 | 60100 | 1.5 | 301 | 2KJ3513- JQ23- X1 -Z - | | |
| 19 | 4720 | 79.59 | 59200 | 1.7 | 301 | 2KJ3513- JQ23- W1 -Z - | | |
| 21 | 4180 | 70.56 | 58100 | 1.9 | 301 | 2KJ3513- JQ23- V1 -Z - | | |
| 24 | 3690 | 62.28 | 56900 | 2.2 | 301 | 2KJ3513- JQ23- U1 -Z - | | |
| 27 | 3250 | 54.76 | 55600 | 2.5 | 301 | 2KJ3513- JQ23- T1 -Z - | | |
| K.129-LE160MPA4P | | | | | | | | |
| 17 | 5280 | 89.09 | 36700 | 0.83 | 218 | 2KJ3512- JQ23- X1 -Z - | | |
| 18 | 4750 | 80.12 | 37300 | 0.93 | 218 | 2KJ3512- JQ23- W1 -Z - | | |
| 21 | 4150 | 70.03 | 37800 | 1.1 | 218 | 2KJ3512- JQ23- V1 -Z - | | |
| 24 | 3710 | 62.49 | 38300 | 1.2 | 218 | 2KJ3512- JQ23- U1 -Z - | | |
| 27 | 3260 | 55.05 | 37900 | 1.3 | 218 | 2KJ3512- JQ23- T1 -Z - | | |
| 31 | 2860 | 48.24 | 37400 | 1.5 | 218 | 2KJ3512- JQ23- S1 -Z - | | |
| 35 | 2490 | 42.04 | 36700 | 1.8 | 218 | 2KJ3512- JQ23- R1 -Z - | | |
| 39 | 2270 | 38.37 | 36200 | 1.9 | 218 | 2KJ3512- JQ23- Q1 -Z - | | |
| 45 | 1960 | 33.03 | 35400 | 2.2 | 218 | 2KJ3512- JQ23- P1 -Z - | | |
| 47 | 1870 | 31.55 | 35100 | 2.3 | 218 | 2KJ3512- JQ23- N1 -Z - | | |
| 54 | 1630 | 27.58 | 34300 | 2.7 | 218 | 2KJ3512- JQ23- M1 -Z - | | |
| 60 | 1460 | 24.61 | 33500 | 3 | 218 | 2KJ3512- JQ23- L1 -Z - | | |
| K.109-LE160MPA4P | | | | | | | | |
| 25 | 3510 | 59.17 | 24500 | 0.83 | 170 | 2KJ3511- JQ23- T1 -Z - | | |
| 28 | 3100 | 52.29 | 24500 | 0.93 | 170 | 2KJ3511- JQ23- S1 -Z - | | |
| 32 | 2720 | 45.89 | 24500 | 1.1 | 170 | 2KJ3511- JQ23- R1 -Z - | | |
| 37 | 2370 | 39.95 | 24500 | 1.2 | 170 | 2KJ3511- JQ23- Q1 -Z - | | |
| 43 | 2020 | 34.15 | 24500 | 1.3 | 170 | 2KJ3511- JQ23- P1 -Z - | | |
| 51 | 1730 | 29.23 | 24500 | 1.5 | 170 | 2KJ3511- JQ23- N1 -Z - | | |
| 59 | 1480 | 24.98 | 24200 | 1.6 | 170 | 2KJ3511- JQ23- M1 -Z - | | |
| 66 | 1320 | 22.31 | 23800 | 1.8 | 170 | 2KJ3511- JQ23- L1 -Z - | | |
| 75 | 1170 | 19.71 | 23300 | 2 | 170 | 2KJ3511- JQ23- K1 -Z - | | |
| 86 | 1020 | 17.30 | 22800 | 2.3 | 170 | 2KJ3511- JQ23- J1 -Z - | | |
| 98 | 890 | 15.06 | 22200 | 2.6 | 170 | 2KJ3511- JQ23- H1 -Z - | | |
| 115 | 760 | 12.87 | 21600 | 2.9 | 170 | 2KJ3511- JQ23- G1 -Z - | | |
| 134 | 650 | 11.02 | 20900 | 3.2 | 170 | 2KJ3511- JQ23- F1 -Z - | | |
| 142 | 620 | 10.45 | 20300 | 2 | 170 | 2KJ3511- JQ23- E1 -Z - | | |
| 161 | 540 | 9.17 | 19700 | 2.3 | 170 | 2KJ3511- JQ23- D1 -Z - | | |

Article No. supplement

| | | |
|-----------------------|------------------------|----------------|
| Shaft design | 1 or 9 | see page 10/51 |
| Frequency and voltage | 2 or 9 | see page 11/2 |
| Gearbox mounting type | A, F, H, C or D | see page 10/42 |

SIMOGEAR geared motors

Bevel geared motors

Geared motors up to 55 kW

Selection and ordering data

| P_N kW | n_2 rpm | T_2 Nm | i – | F_{R2} N | f_B – | m kg | Article No. (Article No. supplement, see below) | Additional identification code -Z with order code No. of poles |
|-------------|-------------------------|-------------|----------|---------------|------------|------------------------------|--|--|
| 9.2 | K.109-LE160MPA4P | | | | | | | |
| | 185 | 470 | 7.99 | 19100 | 2.7 | 170 | 2KJ3511- ■ JQ23- ■ ■ C1 -Z - | |
| | 217 | 405 | 6.83 | 18400 | 3.2 | 170 | 2KJ3511- ■ JQ23- ■ ■ B1 -Z - | |
| | 253 | 345 | 5.84 | 17800 | 3.7 | 170 | 2KJ3511- ■ JQ23- ■ ■ A1 -Z - | |
| | K.89-LE160MPA4P | | | | | | | |
| | 45 | 1950 | 32.96 | 18100 | 0.82 | 133 | 2KJ3510- ■ JQ23- ■ ■ Q1 -Z - | |
| | 48 | 1840 | 31.03 | 18100 | 0.87 | 133 | 2KJ3510- ■ JQ23- ■ ■ P1 -Z - | |
| | 52 | 1690 | 28.46 | 18100 | 0.95 | 133 | 2KJ3510- ■ JQ23- ■ ■ N1 -Z - | |
| | 60 | 1470 | 24.86 | 18100 | 1.1 | 133 | 2KJ3510- ■ JQ23- ■ ■ M1 -Z - | |
| | 66 | 1320 | 22.26 | 18100 | 1.2 | 133 | 2KJ3510- ■ JQ23- ■ ■ L1 -Z - | |
| | 76 | 1150 | 19.46 | 18100 | 1.4 | 133 | 2KJ3510- ■ JQ23- ■ ■ K1 -Z - | |
| | 89 | 990 | 16.71 | 18100 | 1.5 | 133 | 2KJ3510- ■ JQ23- ■ ■ J1 -Z - | |
| | 100 | 875 | 14.77 | 18100 | 1.6 | 133 | 2KJ3510- ■ JQ23- ■ ■ H1 -Z - | |
| | 118 | 745 | 12.56 | 18100 | 1.8 | 133 | 2KJ3510- ■ JQ23- ■ ■ G1 -Z - | |
| | 138 | 635 | 10.76 | 18000 | 2 | 133 | 2KJ3510- ■ JQ23- ■ ■ F1 -Z - | |
| 141 | 620 | 10.51 | 17200 | 1.4 | 133 | 2KJ3510- ■ JQ23- ■ ■ E1 -Z - | | |
| 164 | 535 | 9.02 | 16800 | 1.5 | 133 | 2KJ3510- ■ JQ23- ■ ■ D1 -Z - | | |
| 186 | 470 | 7.97 | 16400 | 1.6 | 133 | 2KJ3510- ■ JQ23- ■ ■ C1 -Z - | | |
| 218 | 400 | 6.78 | 15900 | 1.8 | 133 | 2KJ3510- ■ JQ23- ■ ■ B1 -Z - | | |
| 255 | 345 | 5.81 | 15400 | 2 | 133 | 2KJ3510- ■ JQ23- ■ ■ A1 -Z - | | |
| 11 | K.189-LE160MPB4P | | | | | | | |
| | 7.4 | 14200 | 199.51 | 104000 | 1.3 | 692 | 2KJ3515- ■ JR23- ■ ■ W1 -Z - | |
| | 8.3 | 12700 | 178.49 | 104000 | 1.5 | 692 | 2KJ3515- ■ JR23- ■ ■ V1 -Z - | |
| | 9.2 | 11400 | 160.98 | 104000 | 1.7 | 692 | 2KJ3515- ■ JR23- ■ ■ U1 -Z - | |
| | 10 | 10100 | 142.28 | 104000 | 1.9 | 692 | 2KJ3515- ■ JR23- ■ ■ T1 -Z - | |
| | 11 | 9260 | 130.05 | 104000 | 2.1 | 692 | 2KJ3515- ■ JR23- ■ ■ S1 -Z - | |
| | K.169-LE160MPB4P | | | | | | | |
| | 6.6 | 15900 | 223.30 | 70000 | 0.82 | 461 | 2KJ3514- ■ JR23- ■ ■ F2 -Z - | |
| | 7.1 | 14800 | 208.35 | 70000 | 0.88 | 461 | 2KJ3514- ■ JR23- ■ ■ E2 -Z - | |
| | 8 | 13100 | 185.23 | 70000 | 0.99 | 461 | 2KJ3514- ■ JR23- ■ ■ D2 -Z - | |
| | 8.9 | 11800 | 166.31 | 70000 | 1.1 | 461 | 2KJ3514- ■ JR23- ■ ■ C2 -Z - | |
| | 9.8 | 10700 | 150.55 | 70000 | 1.2 | 461 | 2KJ3514- ■ JR23- ■ ■ B2 -Z - | |
| | 11 | 9410 | 132.24 | 70000 | 1.4 | 461 | 2KJ3514- ■ JR23- ■ ■ A2 -Z - | |
| | 12 | 8530 | 119.83 | 70000 | 1.5 | 461 | 2KJ3514- ■ JR23- ■ ■ X1 -Z - | |
| | 14 | 7600 | 106.72 | 70000 | 1.7 | 461 | 2KJ3514- ■ JR23- ■ ■ W1 -Z - | |
| | 15 | 6820 | 95.83 | 70000 | 1.9 | 461 | 2KJ3514- ■ JR23- ■ ■ V1 -Z - | |
| | 17 | 6090 | 85.51 | 70000 | 2.1 | 461 | 2KJ3514- ■ JR23- ■ ■ U1 -Z - | |
| | K.149-LE160MPB4P | | | | | | | |
| | 10 | 10000 | 140.93 | 58100 | 0.8 | 293 | 2KJ3513- ■ JR23- ■ ■ D2 -Z - | |
| | 12 | 9050 | 127.16 | 58100 | 0.88 | 293 | 2KJ3513- ■ JR23- ■ ■ C2 -Z - | |
| | 13 | 8020 | 112.68 | 58000 | 1 | 293 | 2KJ3513- ■ JR23- ■ ■ B2 -Z - | |
| | 15 | 7100 | 99.79 | 57700 | 1.1 | 293 | 2KJ3513- ■ JR23- ■ ■ A2 -Z - | |
| | 17 | 6320 | 88.81 | 57200 | 1.3 | 293 | 2KJ3513- ■ JR23- ■ ■ X1 -Z - | |
| | 19 | 5660 | 79.59 | 56600 | 1.4 | 293 | 2KJ3513- ■ JR23- ■ ■ W1 -Z - | |
| | 21 | 5020 | 70.56 | 55900 | 1.6 | 293 | 2KJ3513- ■ JR23- ■ ■ V1 -Z - | |
| | 24 | 4430 | 62.28 | 54900 | 1.8 | 293 | 2KJ3513- ■ JR23- ■ ■ U1 -Z - | |
| | 27 | 3900 | 54.76 | 53900 | 2.1 | 293 | 2KJ3513- ■ JR23- ■ ■ T1 -Z - | |
| | 30 | 3530 | 49.60 | 53000 | 2.3 | 293 | 2KJ3513- ■ JR23- ■ ■ S1 -Z - | |
| | 34 | 3070 | 43.18 | 51700 | 2.6 | 293 | 2KJ3513- ■ JR23- ■ ■ R1 -Z - | |
| | K.129-LE160MPB4P | | | | | | | |
| | 21 | 4980 | 70.03 | 35800 | 0.88 | 210 | 2KJ3512- ■ JR23- ■ ■ V1 -Z - | |
| | 24 | 4450 | 62.49 | 35800 | 0.99 | 210 | 2KJ3512- ■ JR23- ■ ■ U1 -Z - | |

Article No. supplement

| | | |
|-----------------------|------------------------|--------------------------------|
| Shaft design | 1 or 9 | see page 10/51 |
| Frequency and voltage | 2 or 9 | see page 11/2 |
| Gearbox mounting type | A, F, H, C or D | see page 10/42 |

Selection and ordering data

| P_N kW | n_2 rpm | T_2 Nm | i – | F_{R2} N | f_B – | m kg | Article No. (Article No. supplement, see below) | Additional identification code -Z with order code No. of poles |
|-------------|-------------------------|-------------|----------|---------------|------------|------------------------------|--|--|
| 11 | K.129-LE160MPB4P | | | | | | | |
| | 27 | 3920 | 55.05 | 35700 | 1.1 | 210 | 2KJ3512- ■ JR23- ■ ■ T1 -Z - | |
| | 31 | 3430 | 48.24 | 35500 | 1.3 | 210 | 2KJ3512- ■ JR23- ■ ■ S1 -Z - | |
| | 35 | 2990 | 42.04 | 35100 | 1.5 | 210 | 2KJ3512- ■ JR23- ■ ■ R1 -Z - | |
| | 38 | 2730 | 38.37 | 34700 | 1.6 | 210 | 2KJ3512- ■ JR23- ■ ■ Q1 -Z - | |
| | 45 | 2350 | 33.03 | 34100 | 1.9 | 210 | 2KJ3512- ■ JR23- ■ ■ P1 -Z - | |
| | 47 | 2240 | 31.55 | 33900 | 2 | 210 | 2KJ3512- ■ JR23- ■ ■ N1 -Z - | |
| | 53 | 1960 | 27.58 | 33200 | 2.2 | 210 | 2KJ3512- ■ JR23- ■ ■ M1 -Z - | |
| | 60 | 1750 | 24.61 | 32600 | 2.5 | 210 | 2KJ3512- ■ JR23- ■ ■ L1 -Z - | |
| | 68 | 1540 | 21.68 | 31800 | 2.8 | 210 | 2KJ3512- ■ JR23- ■ ■ K1 -Z - | |
| | 78 | 1350 | 19.00 | 31100 | 3.1 | 210 | 2KJ3512- ■ JR23- ■ ■ J1 -Z - | |
| | 89 | 1170 | 16.56 | 30200 | 3.4 | 210 | 2KJ3512- ■ JR23- ■ ■ H1 -Z - | |
| | 125 | 840 | 11.80 | 28000 | 3.4 | 210 | 2KJ3512- ■ JR23- ■ ■ E1 -Z - | |
| | 143 | 735 | 10.34 | 27200 | 3.9 | 210 | 2KJ3512- ■ JR23- ■ ■ D1 -Z - | |
| 11 | K.109-LE160MPB4P | | | | | | | |
| | 32 | 3260 | 45.89 | 23500 | 0.89 | 162 | 2KJ3511- ■ JR23- ■ ■ R1 -Z - | |
| | 37 | 2840 | 39.95 | 23600 | 0.99 | 162 | 2KJ3511- ■ JR23- ■ ■ Q1 -Z - | |
| | 43 | 2430 | 34.15 | 23600 | 1.1 | 162 | 2KJ3511- ■ JR23- ■ ■ P1 -Z - | |
| | 50 | 2080 | 29.23 | 23400 | 1.3 | 162 | 2KJ3511- ■ JR23- ■ ■ N1 -Z - | |
| | 59 | 1770 | 24.98 | 23200 | 1.3 | 162 | 2KJ3511- ■ JR23- ■ ■ M1 -Z - | |
| | 66 | 1580 | 22.31 | 22900 | 1.5 | 162 | 2KJ3511- ■ JR23- ■ ■ L1 -Z - | |
| | 75 | 1400 | 19.71 | 22500 | 1.7 | 162 | 2KJ3511- ■ JR23- ■ ■ K1 -Z - | |
| | 85 | 1230 | 17.30 | 22100 | 1.9 | 162 | 2KJ3511- ■ JR23- ■ ■ J1 -Z - | |
| | 98 | 1070 | 15.06 | 21600 | 2.2 | 162 | 2KJ3511- ■ JR23- ■ ■ H1 -Z - | |
| | 115 | 915 | 12.87 | 21000 | 2.4 | 162 | 2KJ3511- ■ JR23- ■ ■ G1 -Z - | |
| | 134 | 785 | 11.02 | 20400 | 2.7 | 162 | 2KJ3511- ■ JR23- ■ ■ F1 -Z - | |
| | 141 | 740 | 10.45 | 19800 | 1.7 | 162 | 2KJ3511- ■ JR23- ■ ■ E1 -Z - | |
| | 161 | 650 | 9.17 | 19300 | 1.9 | 162 | 2KJ3511- ■ JR23- ■ ■ D1 -Z - | |
| | 185 | 565 | 7.99 | 18800 | 2.2 | 162 | 2KJ3511- ■ JR23- ■ ■ C1 -Z - | |
| | 216 | 485 | 6.83 | 18100 | 2.7 | 162 | 2KJ3511- ■ JR23- ■ ■ B1 -Z - | |
| 253 | 415 | 5.84 | 17500 | 3.1 | 162 | 2KJ3511- ■ JR23- ■ ■ A1 -Z - | | |
| 11 | K.89-LE160MPB4P | | | | | | | |
| | 59 | 1770 | 24.86 | 18100 | 0.9 | 125 | 2KJ3510- ■ JR23- ■ ■ M1 -Z - | |
| | 66 | 1580 | 22.26 | 18100 | 1 | 125 | 2KJ3510- ■ JR23- ■ ■ L1 -Z - | |
| | 76 | 1380 | 19.46 | 18100 | 1.1 | 125 | 2KJ3510- ■ JR23- ■ ■ K1 -Z - | |
| | 88 | 1190 | 16.71 | 18100 | 1.2 | 125 | 2KJ3510- ■ JR23- ■ ■ J1 -Z - | |
| | 100 | 1050 | 14.77 | 18100 | 1.3 | 125 | 2KJ3510- ■ JR23- ■ ■ H1 -Z - | |
| | 117 | 895 | 12.56 | 17800 | 1.5 | 125 | 2KJ3510- ■ JR23- ■ ■ G1 -Z - | |
| | 137 | 765 | 10.76 | 17400 | 1.6 | 125 | 2KJ3510- ■ JR23- ■ ■ F1 -Z - | |
| | 140 | 745 | 10.51 | 16500 | 1.1 | 125 | 2KJ3510- ■ JR23- ■ ■ E1 -Z - | |
| | 164 | 640 | 9.02 | 16200 | 1.2 | 125 | 2KJ3510- ■ JR23- ■ ■ D1 -Z - | |
| | 185 | 565 | 7.97 | 15900 | 1.4 | 125 | 2KJ3510- ■ JR23- ■ ■ C1 -Z - | |
| | 218 | 480 | 6.78 | 15500 | 1.5 | 125 | 2KJ3510- ■ JR23- ■ ■ B1 -Z - | |
| | 254 | 410 | 5.81 | 15100 | 1.6 | 125 | 2KJ3510- ■ JR23- ■ ■ A1 -Z - | |
| 15 | K.189-LE160ZLL4P | | | | | | | |
| | 7.4 | 19300 | 199.51 | 104000 | 0.99 | 717 | 2KJ3515- ■ JU23- ■ ■ W1 -Z - | |
| | 8.3 | 17300 | 178.49 | 104000 | 1.1 | 717 | 2KJ3515- ■ JU23- ■ ■ V1 -Z - | |
| | 9.2 | 15600 | 160.98 | 104000 | 1.2 | 717 | 2KJ3515- ■ JU23- ■ ■ U1 -Z - | |
| | 10 | 13800 | 142.28 | 104000 | 1.4 | 717 | 2KJ3515- ■ JU23- ■ ■ T1 -Z - | |
| | 11 | 12600 | 130.05 | 104000 | 1.5 | 717 | 2KJ3515- ■ JU23- ■ ■ S1 -Z - | |
| | 13 | 11300 | 117.00 | 104000 | 1.7 | 717 | 2KJ3515- ■ JU23- ■ ■ R1 -Z - | |

Article No. supplement

| | | |
|-----------------------|------------------------|----------------|
| Shaft design | 1 or 9 | see page 10/51 |
| Frequency and voltage | 2 or 9 | see page 11/2 |
| Gearbox mounting type | A, F, H, C or D | see page 10/42 |

SIMOGEAR geared motors

Bevel geared motors

Geared motors up to 55 kW

Selection and ordering data

| P_N kW | n_2 rpm | T_2 Nm | i – | F_{R2} N | f_B – | m kg | Article No. (Article No. supplement, see below) | Additional identification code -Z with order code No. of poles |
|-------------------------|-------------------------|-------------|----------|---------------|------------|----------------------|--|--|
| 15 | K.189-LE160ZLL4P | | | | | | | |
| | 14 | 10100 | 104.56 | 104000 | 1.9 | 717 | 2KJ3515- JU23- Q1 -Z | – |
| | 16 | 9180 | 94.55 | 104000 | 2.1 | 717 | 2KJ3515- JU23- P1 -Z | – |
| | K.169-LE160ZLL4P | | | | | | | |
| | 8.9 | 16100 | 166.31 | 70000 | 0.8 | 486 | 2KJ3514- JU23- C2 -Z | – |
| | 9.8 | 14600 | 150.55 | 70000 | 0.89 | 486 | 2KJ3514- JU23- B2 -Z | – |
| | 11 | 12800 | 132.24 | 70000 | 1 | 486 | 2KJ3514- JU23- A2 -Z | – |
| | 12 | 11600 | 119.83 | 70000 | 1.1 | 486 | 2KJ3514- JU23- X1 -Z | – |
| | 14 | 10300 | 106.72 | 70000 | 1.3 | 486 | 2KJ3514- JU23- W1 -Z | – |
| | 15 | 9300 | 95.83 | 70000 | 1.4 | 486 | 2KJ3514- JU23- V1 -Z | – |
| | 17 | 8300 | 85.51 | 70000 | 1.6 | 486 | 2KJ3514- JU23- U1 -Z | – |
| | 19 | 7400 | 76.23 | 70000 | 1.8 | 486 | 2KJ3514- JU23- T1 -Z | – |
| | 22 | 6560 | 67.61 | 70000 | 2 | 486 | 2KJ3514- JU23- S1 -Z | – |
| | 24 | 6020 | 62.07 | 70000 | 2.2 | 486 | 2KJ3514- JU23- R1 -Z | – |
| | 27 | 5310 | 54.68 | 70000 | 2.4 | 486 | 2KJ3514- JU23- Q1 -Z | – |
| K.149-LE160ZLL4P | | | | | | | | |
| 15 | 9690 | 99.79 | 50500 | 0.83 | 318 | 2KJ3513- JU23- A2 -Z | – | |
| 17 | 8620 | 88.81 | 50800 | 0.93 | 318 | 2KJ3513- JU23- X1 -Z | – | |
| 19 | 7730 | 79.59 | 50800 | 1 | 318 | 2KJ3513- JU23- W1 -Z | – | |
| 21 | 6850 | 70.56 | 50700 | 1.2 | 318 | 2KJ3513- JU23- V1 -Z | – | |
| 24 | 6040 | 62.28 | 50400 | 1.3 | 318 | 2KJ3513- JU23- U1 -Z | – | |
| 27 | 5310 | 54.76 | 49900 | 1.5 | 318 | 2KJ3513- JU23- T1 -Z | – | |
| 30 | 4810 | 49.60 | 49400 | 1.7 | 318 | 2KJ3513- JU23- S1 -Z | – | |
| 34 | 4190 | 43.18 | 48600 | 1.9 | 318 | 2KJ3513- JU23- R1 -Z | – | |
| 42 | 3430 | 35.40 | 47200 | 2.3 | 318 | 2KJ3513- JU23- Q1 -Z | – | |
| 46 | 3140 | 32.33 | 46500 | 2.5 | 318 | 2KJ3513- JU23- P1 -Z | – | |
| 51 | 2780 | 28.66 | 45500 | 2.7 | 318 | 2KJ3513- JU23- N1 -Z | – | |
| 58 | 2450 | 25.30 | 44500 | 3 | 318 | 2KJ3513- JU23- M1 -Z | – | |
| 104 | 1370 | 14.15 | 39100 | 3 | 318 | 2KJ3513- JU23- G1 -Z | – | |
| 119 | 1200 | 12.44 | 38000 | 3.3 | 318 | 2KJ3513- JU23- F1 -Z | – | |
| 131 | 1090 | 11.26 | 37100 | 3.6 | 318 | 2KJ3513- JU23- E1 -Z | – | |
| 150 | 950 | 9.81 | 35800 | 4 | 318 | 2KJ3513- JU23- D1 -Z | – | |
| K.129-LE160ZLL4P | | | | | | | | |
| 27 | 5340 | 55.05 | 30800 | 0.82 | 235 | 2KJ3512- JU23- T1 -Z | – | |
| 31 | 4680 | 48.24 | 31200 | 0.94 | 235 | 2KJ3512- JU23- S1 -Z | – | |
| 35 | 4080 | 42.04 | 31300 | 1.1 | 235 | 2KJ3512- JU23- R1 -Z | – | |
| 38 | 3720 | 38.37 | 31300 | 1.2 | 235 | 2KJ3512- JU23- Q1 -Z | – | |
| 45 | 3200 | 33.03 | 31200 | 1.4 | 235 | 2KJ3512- JU23- P1 -Z | – | |
| 47 | 3060 | 31.55 | 31100 | 1.4 | 235 | 2KJ3512- JU23- N1 -Z | – | |
| 53 | 2670 | 27.58 | 30800 | 1.6 | 235 | 2KJ3512- JU23- M1 -Z | – | |
| 60 | 2390 | 24.61 | 30400 | 1.8 | 235 | 2KJ3512- JU23- L1 -Z | – | |
| 68 | 2100 | 21.68 | 29900 | 2 | 235 | 2KJ3512- JU23- K1 -Z | – | |
| 78 | 1840 | 19.00 | 29400 | 2.2 | 235 | 2KJ3512- JU23- J1 -Z | – | |
| 89 | 1600 | 16.56 | 28800 | 2.5 | 235 | 2KJ3512- JU23- H1 -Z | – | |
| 98 | 1460 | 15.11 | 28300 | 2.7 | 235 | 2KJ3512- JU23- G1 -Z | – | |
| 113 | 1260 | 13.01 | 27500 | 3 | 235 | 2KJ3512- JU23- F1 -Z | – | |
| 125 | 1140 | 11.80 | 27000 | 2.5 | 235 | 2KJ3512- JU23- E1 -Z | – | |
| 143 | 1000 | 10.34 | 26300 | 2.8 | 235 | 2KJ3512- JU23- D1 -Z | – | |
| 164 | 875 | 9.01 | 25500 | 3.2 | 235 | 2KJ3512- JU23- C1 -Z | – | |
| 179 | 795 | 8.22 | 25000 | 3.4 | 235 | 2KJ3512- JU23- B1 -Z | – | |
| 208 | 685 | 7.08 | 24200 | 3.7 | 235 | 2KJ3512- JU23- A1 -Z | – | |

Article No. supplement

| | | |
|-----------------------|-----------------|----------------|
| Shaft design | 1 or 9 | see page 10/51 |
| Frequency and voltage | 2 or 9 | see page 11/2 |
| Gearbox mounting type | A, F, H, C or D | see page 10/42 |

Selection and ordering data

| P_N kW | n_2 rpm | T_2 Nm | i – | F_{R2} N | f_B – | m kg | Article No. (Article No. supplement, see below) | Additional identification code -Z with order code No. of poles |
|-------------|-------------------------|-------------|----------|---------------|------------|------------------------|--|--|
| 15 | K.109-LE160ZLL4P | | | | | | | |
| | 43 | 3310 | 34.15 | 20300 | 0.82 | 187 | 2KJ3511- JU23- P1 -Z - | |
| | 50 | 2830 | 29.23 | 20600 | 0.92 | 187 | 2KJ3511- JU23- N1 -Z - | |
| | 59 | 2420 | 24.98 | 20700 | 0.98 | 187 | 2KJ3511- JU23- M1 -Z - | |
| | 66 | 2160 | 22.31 | 20700 | 1.1 | 187 | 2KJ3511- JU23- L1 -Z - | |
| | 75 | 1910 | 19.71 | 20600 | 1.2 | 187 | 2KJ3511- JU23- K1 -Z - | |
| | 85 | 1680 | 17.30 | 20400 | 1.4 | 187 | 2KJ3511- JU23- J1 -Z - | |
| | 98 | 1460 | 15.06 | 20100 | 1.6 | 187 | 2KJ3511- JU23- H1 -Z - | |
| | 115 | 1250 | 12.87 | 19700 | 1.8 | 187 | 2KJ3511- JU23- G1 -Z - | |
| | 134 | 1070 | 11.02 | 19300 | 2 | 187 | 2KJ3511- JU23- F1 -Z - | |
| | 141 | 1010 | 10.45 | 18600 | 1.2 | 187 | 2KJ3511- JU23- E1 -Z - | |
| | 161 | 890 | 9.17 | 18300 | 1.4 | 187 | 2KJ3511- JU23- D1 -Z - | |
| | 185 | 775 | 7.99 | 17800 | 1.6 | 187 | 2KJ3511- JU23- C1 -Z - | |
| | 216 | 660 | 6.83 | 17400 | 2 | 187 | 2KJ3511- JU23- B1 -Z - | |
| | 253 | 565 | 5.84 | 16900 | 2.3 | 187 | 2KJ3511- JU23- A1 -Z - | |
| | K.89-LE160ZLL4P | | | | | | | |
| | 76 | 1890 | 19.46 | 16300 | 0.83 | 150 | 2KJ3510- JU23- K1 -Z - | |
| | 88 | 1620 | 16.71 | 16400 | 0.91 | 150 | 2KJ3510- JU23- J1 -Z - | |
| | 100 | 1430 | 14.77 | 16400 | 0.99 | 150 | 2KJ3510- JU23- H1 -Z - | |
| | 117 | 1220 | 12.56 | 16300 | 1.1 | 150 | 2KJ3510- JU23- G1 -Z - | |
| | 137 | 1040 | 10.76 | 16100 | 1.2 | 150 | 2KJ3510- JU23- F1 -Z - | |
| | 140 | 1020 | 10.51 | 15000 | 0.83 | 150 | 2KJ3510- JU23- E1 -Z - | |
| | 164 | 875 | 9.02 | 14900 | 0.91 | 150 | 2KJ3510- JU23- D1 -Z - | |
| | 185 | 770 | 7.97 | 14700 | 0.99 | 150 | 2KJ3510- JU23- C1 -Z - | |
| | 218 | 655 | 6.78 | 14500 | 1.1 | 150 | 2KJ3510- JU23- B1 -Z - | |
| 254 | 560 | 5.81 | 14200 | 1.2 | 150 | 2KJ3510- JU23- A1 -Z - | | |
| 18.5 | K.189-LES180MQ4P | | | | | | | |
| | 11 | 15600 | 130.05 | 104000 | 1.2 | 794 | 2KJ3515- KL33- S1 -Z - | |
| | 13 | 14000 | 117.00 | 104000 | 1.4 | 794 | 2KJ3515- KL33- R1 -Z - | |
| | 14 | 12500 | 104.56 | 104000 | 1.6 | 794 | 2KJ3515- KL33- Q1 -Z - | |
| | 16 | 11300 | 94.55 | 104000 | 1.7 | 794 | 2KJ3515- KL33- P1 -Z - | |
| | 18 | 10000 | 83.44 | 104000 | 1.9 | 794 | 2KJ3515- KL33- N1 -Z - | |
| | 20 | 8930 | 74.35 | 104000 | 2.2 | 794 | 2KJ3515- KL33- M1 -Z - | |
| | 22 | 8090 | 67.36 | 104000 | 2.4 | 794 | 2KJ3515- KL33- L1 -Z - | |
| | K.169-LES180MQ4P | | | | | | | |
| | 12 | 14400 | 119.83 | 70000 | 0.9 | 565 | 2KJ3514- KL33- X1 -Z - | |
| | 14 | 12800 | 106.72 | 70000 | 1 | 565 | 2KJ3514- KL33- W1 -Z - | |
| | 15 | 11500 | 95.83 | 70000 | 1.1 | 565 | 2KJ3514- KL33- V1 -Z - | |
| | 17 | 10200 | 85.51 | 70000 | 1.3 | 565 | 2KJ3514- KL33- U1 -Z - | |
| | 19 | 9160 | 76.23 | 70000 | 1.4 | 565 | 2KJ3514- KL33- T1 -Z - | |
| | 22 | 8120 | 67.61 | 70000 | 1.6 | 565 | 2KJ3514- KL33- S1 -Z - | |
| | 24 | 7460 | 62.07 | 70000 | 1.7 | 565 | 2KJ3514- KL33- R1 -Z - | |
| | 27 | 6570 | 54.68 | 70000 | 2 | 565 | 2KJ3514- KL33- Q1 -Z - | |
| | 33 | 5390 | 44.86 | 70000 | 2.4 | 565 | 2KJ3514- KL33- P1 -Z - | |
| | K.149-LES180MQ4P | | | | | | | |
| | 18 | 9560 | 79.59 | 45800 | 0.84 | 394 | 2KJ3513- KL33- W1 -Z - | |
| | 21 | 8480 | 70.56 | 46300 | 0.94 | 394 | 2KJ3513- KL33- V1 -Z - | |
| | 24 | 7480 | 62.28 | 46500 | 1.1 | 394 | 2KJ3513- KL33- U1 -Z - | |
| | 27 | 6580 | 54.76 | 46400 | 1.2 | 394 | 2KJ3513- KL33- T1 -Z - | |
| | 30 | 5960 | 49.60 | 46300 | 1.3 | 394 | 2KJ3513- KL33- S1 -Z - | |
| | 34 | 5190 | 43.18 | 45900 | 1.5 | 394 | 2KJ3513- KL33- R1 -Z - | |

Article No. supplement

| | | |
|-----------------------|------------------------|----------------|
| Shaft design | 1 or 9 | see page 10/51 |
| Frequency and voltage | 2 or 9 | see page 11/2 |
| Gearbox mounting type | A, F, H, C or D | see page 10/42 |

SIMOGEAR geared motors

Bevel geared motors

Geared motors up to 55 kW

Selection and ordering data

| P_N kW | n_2 rpm | T_2 Nm | i – | F_{R2} N | f_B – | m kg | Article No. (Article No. supplement, see below) | Additional identification code -Z with order code No. of poles | |
|-------------|-------------------------|--------------------------|----------|---------------|------------|-----------|--|--|--|
| 18.5 | K.149-LES180MQ4P | | | | | | | | |
| | 42 | 4250 | 35.40 | 45000 | 1.8 | 394 | 2KJ3513- ■ KL33- ■ ■ Q1 -Z - | | |
| | 45 | 3880 | 32.33 | 44500 | 2 | 394 | 2KJ3513- ■ KL33- ■ ■ P1 -Z - | | |
| | 51 | 3440 | 28.66 | 43800 | 2.2 | 394 | 2KJ3513- ■ KL33- ■ ■ N1 -Z - | | |
| | 58 | 3040 | 25.30 | 42900 | 2.4 | 394 | 2KJ3513- ■ KL33- ■ ■ M1 -Z - | | |
| | 66 | 2670 | 22.25 | 42000 | 2.7 | 394 | 2KJ3513- ■ KL33- ■ ■ L1 -Z - | | |
| | 73 | 2420 | 20.15 | 41200 | 2.9 | 394 | 2KJ3513- ■ KL33- ■ ■ K1 -Z - | | |
| | 84 | 2100 | 17.54 | 40200 | 3.3 | 394 | 2KJ3513- ■ KL33- ■ ■ J1 -Z - | | |
| | 104 | 1700 | 14.15 | 38200 | 2.4 | 394 | 2KJ3513- ■ KL33- ■ ■ G1 -Z - | | |
| | 118 | 1490 | 12.44 | 37200 | 2.7 | 394 | 2KJ3513- ■ KL33- ■ ■ F1 -Z - | | |
| | 131 | 1350 | 11.26 | 36300 | 2.9 | 394 | 2KJ3513- ■ KL33- ■ ■ E1 -Z - | | |
| | 150 | 1170 | 9.81 | 35200 | 3.3 | 394 | 2KJ3513- ■ KL33- ■ ■ D1 -Z - | | |
| | 183 | 965 | 8.04 | 33600 | 3.8 | 394 | 2KJ3513- ■ KL33- ■ ■ C1 -Z - | | |
| | 216 | 820 | 6.82 | 32300 | 4.4 | 394 | 2KJ3513- ■ KL33- ■ ■ B1 -Z - | | |
| | 18.5 | K.129-LES180MQ4P | | | | | | | |
| | | 35 | 5050 | 42.04 | 28100 | 0.87 | 312 | 2KJ3512- ■ KL33- ■ ■ R1 -Z - | |
| | | 38 | 4610 | 38.37 | 28300 | 0.95 | 312 | 2KJ3512- ■ KL33- ■ ■ Q1 -Z - | |
| | | 45 | 3970 | 33.03 | 28600 | 1.1 | 312 | 2KJ3512- ■ KL33- ■ ■ P1 -Z - | |
| | | 47 | 3790 | 31.55 | 28600 | 1.2 | 312 | 2KJ3512- ■ KL33- ■ ■ N1 -Z - | |
| | | 53 | 3310 | 27.58 | 28600 | 1.3 | 312 | 2KJ3512- ■ KL33- ■ ■ M1 -Z - | |
| | | 60 | 2950 | 24.61 | 28500 | 1.5 | 312 | 2KJ3512- ■ KL33- ■ ■ L1 -Z - | |
| 68 | | 2600 | 21.68 | 28300 | 1.6 | 312 | 2KJ3512- ■ KL33- ■ ■ K1 -Z - | | |
| 77 | | 2280 | 19.00 | 27900 | 1.8 | 312 | 2KJ3512- ■ KL33- ■ ■ J1 -Z - | | |
| 89 | | 1990 | 16.56 | 27500 | 2 | 312 | 2KJ3512- ■ KL33- ■ ■ H1 -Z - | | |
| 97 | | 1810 | 15.11 | 27100 | 2.2 | 312 | 2KJ3512- ■ KL33- ■ ■ G1 -Z - | | |
| 113 | | 1560 | 13.01 | 26500 | 2.4 | 312 | 2KJ3512- ■ KL33- ■ ■ F1 -Z - | | |
| 125 | | 1410 | 11.80 | 26100 | 2 | 312 | 2KJ3512- ■ KL33- ■ ■ E1 -Z - | | |
| 142 | | 1240 | 10.34 | 25500 | 2.3 | 312 | 2KJ3512- ■ KL33- ■ ■ D1 -Z - | | |
| 163 | | 1080 | 9.01 | 24800 | 2.5 | 312 | 2KJ3512- ■ KL33- ■ ■ C1 -Z - | | |
| 179 | | 985 | 8.22 | 24400 | 2.7 | 312 | 2KJ3512- ■ KL33- ■ ■ B1 -Z - | | |
| 208 | | 850 | 7.08 | 23600 | 3 | 312 | 2KJ3512- ■ KL33- ■ ■ A1 -Z - | | |
| 18.5 | | K.109-LES180MQ4P | | | | | | | |
| | 66 | 2680 | 22.31 | 18800 | 0.89 | 263 | 2KJ3511- ■ KL33- ■ ■ L1 -Z - | | |
| | 75 | 2360 | 19.71 | 18900 | 1 | 263 | 2KJ3511- ■ KL33- ■ ■ K1 -Z - | | |
| | 85 | 2070 | 17.30 | 18900 | 1.2 | 263 | 2KJ3511- ■ KL33- ■ ■ J1 -Z - | | |
| | 98 | 1810 | 15.06 | 18800 | 1.3 | 263 | 2KJ3511- ■ KL33- ■ ■ H1 -Z - | | |
| | 114 | 1540 | 12.87 | 18700 | 1.4 | 263 | 2KJ3511- ■ KL33- ■ ■ G1 -Z - | | |
| | 133 | 1320 | 11.02 | 18400 | 1.6 | 263 | 2KJ3511- ■ KL33- ■ ■ F1 -Z - | | |
| | 141 | 1250 | 10.45 | 17600 | 1 | 263 | 2KJ3511- ■ KL33- ■ ■ E1 -Z - | | |
| | 160 | 1100 | 9.17 | 17400 | 1.2 | 263 | 2KJ3511- ■ KL33- ■ ■ D1 -Z - | | |
| | 184 | 960 | 7.99 | 17100 | 1.3 | 263 | 2KJ3511- ■ KL33- ■ ■ C1 -Z - | | |
| | 215 | 820 | 6.83 | 16700 | 1.6 | 263 | 2KJ3511- ■ KL33- ■ ■ B1 -Z - | | |
| | 252 | 700 | 5.84 | 16300 | 1.9 | 263 | 2KJ3511- ■ KL33- ■ ■ A1 -Z - | | |
| | 22 | K.189-LES180ZLN4P | | | | | | | |
| | | 11 | 18500 | 130.05 | 104000 | 1 | 799 | 2KJ3515- ■ KN33- ■ ■ S1 -Z - | |
| 13 | | 16700 | 117.00 | 104000 | 1.2 | 799 | 2KJ3515- ■ KN33- ■ ■ R1 -Z - | | |
| 14 | | 14900 | 104.56 | 104000 | 1.3 | 799 | 2KJ3515- ■ KN33- ■ ■ Q1 -Z - | | |
| 16 | | 13500 | 94.55 | 104000 | 1.4 | 799 | 2KJ3515- ■ KN33- ■ ■ P1 -Z - | | |
| 18 | | 11900 | 83.44 | 104000 | 1.6 | 799 | 2KJ3515- ■ KN33- ■ ■ N1 -Z - | | |
| 20 | | 10600 | 74.35 | 104000 | 1.8 | 799 | 2KJ3515- ■ KN33- ■ ■ M1 -Z - | | |
| 22 | | 9620 | 67.36 | 104000 | 2 | 799 | 2KJ3515- ■ KN33- ■ ■ L1 -Z - | | |

Article No. supplement

| | | |
|-----------------------|------------------------|----------------|
| Shaft design | 1 or 9 | see page 10/51 |
| Frequency and voltage | 2 or 9 | see page 11/2 |
| Gearbox mounting type | A, F, H, C or D | see page 10/42 |

Selection and ordering data

| P_N kW | n_2 rpm | T_2 Nm | i – | F_{R2} N | f_B – | m kg | Article No. (Article No. supplement, see below) | Additional identification code -Z with order code No. of poles |
|--------------------------|--------------------------|-------------|----------|---------------|------------|------------------------------|--|--|
| 22 | K.189-LES180ZLN4P | | | | | | | |
| | 24 | 8650 | 60.58 | 104000 | 2.3 | 799 | 2KJ3515- ■ KN33- ■ ■ K1 -Z - | |
| | K.169-LES180ZLN4P | | | | | | | |
| | 14 | 15200 | 106.72 | 70000 | 0.85 | 570 | 2KJ3514- ■ KN33- ■ ■ W1 -Z - | |
| | 15 | 13600 | 95.83 | 70000 | 0.95 | 570 | 2KJ3514- ■ KN33- ■ ■ V1 -Z - | |
| | 17 | 12200 | 85.51 | 70000 | 1.1 | 570 | 2KJ3514- ■ KN33- ■ ■ U1 -Z - | |
| | 19 | 10800 | 76.23 | 70000 | 1.2 | 570 | 2KJ3514- ■ KN33- ■ ■ T1 -Z - | |
| | 22 | 9660 | 67.61 | 70000 | 1.3 | 570 | 2KJ3514- ■ KN33- ■ ■ S1 -Z - | |
| | 24 | 8870 | 62.07 | 70000 | 1.5 | 570 | 2KJ3514- ■ KN33- ■ ■ R1 -Z - | |
| | 27 | 7810 | 54.68 | 70000 | 1.7 | 570 | 2KJ3514- ■ KN33- ■ ■ Q1 -Z - | |
| | 33 | 6410 | 44.86 | 70000 | 2 | 570 | 2KJ3514- ■ KN33- ■ ■ P1 -Z - | |
| | 37 | 5620 | 39.33 | 69200 | 2.3 | 570 | 2KJ3514- ■ KN33- ■ ■ N1 -Z - | |
| | K.149-LES180ZLN4P | | | | | | | |
| | 24 | 8900 | 62.28 | 42500 | 0.9 | 399 | 2KJ3513- ■ KN33- ■ ■ U1 -Z - | |
| | 27 | 7820 | 54.76 | 43000 | 1 | 399 | 2KJ3513- ■ KN33- ■ ■ T1 -Z - | |
| | 30 | 7080 | 49.60 | 43100 | 1.1 | 399 | 2KJ3513- ■ KN33- ■ ■ S1 -Z - | |
| | 34 | 6170 | 43.18 | 43100 | 1.3 | 399 | 2KJ3513- ■ KN33- ■ ■ R1 -Z - | |
| | 42 | 5060 | 35.40 | 42700 | 1.6 | 399 | 2KJ3513- ■ KN33- ■ ■ Q1 -Z - | |
| | 45 | 4620 | 32.33 | 42400 | 1.7 | 399 | 2KJ3513- ■ KN33- ■ ■ P1 -Z - | |
| | 51 | 4090 | 28.66 | 41900 | 1.9 | 399 | 2KJ3513- ■ KN33- ■ ■ N1 -Z - | |
| | 58 | 3610 | 25.30 | 41300 | 2.1 | 399 | 2KJ3513- ■ KN33- ■ ■ M1 -Z - | |
| | 66 | 3180 | 22.25 | 40600 | 2.3 | 399 | 2KJ3513- ■ KN33- ■ ■ L1 -Z - | |
| 73 | 2880 | 20.15 | 40000 | 2.5 | 399 | 2KJ3513- ■ KN33- ■ ■ K1 -Z - | | |
| 84 | 2500 | 17.54 | 39100 | 2.7 | 399 | 2KJ3513- ■ KN33- ■ ■ J1 -Z - | | |
| 102 | 2050 | 14.38 | 37700 | 3.2 | 399 | 2KJ3513- ■ KN33- ■ ■ H1 -Z - | | |
| 104 | 2020 | 14.15 | 37200 | 2 | 399 | 2KJ3513- ■ KN33- ■ ■ G1 -Z - | | |
| 118 | 1770 | 12.44 | 36300 | 2.3 | 399 | 2KJ3513- ■ KN33- ■ ■ F1 -Z - | | |
| 131 | 1600 | 11.26 | 35600 | 2.5 | 399 | 2KJ3513- ■ KN33- ■ ■ E1 -Z - | | |
| 150 | 1400 | 9.81 | 34600 | 2.7 | 399 | 2KJ3513- ■ KN33- ■ ■ D1 -Z - | | |
| 183 | 1140 | 8.04 | 33100 | 3.2 | 399 | 2KJ3513- ■ KN33- ■ ■ C1 -Z - | | |
| 216 | 975 | 6.82 | 31800 | 3.7 | 399 | 2KJ3513- ■ KN33- ■ ■ B1 -Z - | | |
| K.129-LES180ZLN4P | | | | | | | | |
| 38 | 5480 | 38.37 | 25400 | 0.8 | 317 | 2KJ3512- ■ KN33- ■ ■ Q1 -Z - | | |
| 45 | 4720 | 33.03 | 26000 | 0.93 | 317 | 2KJ3512- ■ KN33- ■ ■ P1 -Z - | | |
| 47 | 4500 | 31.55 | 26200 | 0.98 | 317 | 2KJ3512- ■ KN33- ■ ■ N1 -Z - | | |
| 53 | 3940 | 27.58 | 26500 | 1.1 | 317 | 2KJ3512- ■ KN33- ■ ■ M1 -Z - | | |
| 60 | 3510 | 24.61 | 26600 | 1.3 | 317 | 2KJ3512- ■ KN33- ■ ■ L1 -Z - | | |
| 68 | 3090 | 21.68 | 26600 | 1.4 | 317 | 2KJ3512- ■ KN33- ■ ■ K1 -Z - | | |
| 77 | 2710 | 19.00 | 26400 | 1.5 | 317 | 2KJ3512- ■ KN33- ■ ■ J1 -Z - | | |
| 89 | 2360 | 16.56 | 26200 | 1.7 | 317 | 2KJ3512- ■ KN33- ■ ■ H1 -Z - | | |
| 97 | 2160 | 15.11 | 25900 | 1.8 | 317 | 2KJ3512- ■ KN33- ■ ■ G1 -Z - | | |
| 113 | 1850 | 13.01 | 25500 | 2 | 317 | 2KJ3512- ■ KN33- ■ ■ F1 -Z - | | |
| 125 | 1680 | 11.80 | 25200 | 1.7 | 317 | 2KJ3512- ■ KN33- ■ ■ E1 -Z - | | |
| 142 | 1470 | 10.34 | 24700 | 1.9 | 317 | 2KJ3512- ■ KN33- ■ ■ D1 -Z - | | |
| 163 | 1280 | 9.01 | 24100 | 2.1 | 317 | 2KJ3512- ■ KN33- ■ ■ C1 -Z - | | |
| 179 | 1170 | 8.22 | 23800 | 2.3 | 317 | 2KJ3512- ■ KN33- ■ ■ B1 -Z - | | |
| 208 | 1010 | 7.08 | 23100 | 2.5 | 317 | 2KJ3512- ■ KN33- ■ ■ A1 -Z - | | |
| K.109-LES180ZLN4P | | | | | | | | |
| 75 | 2810 | 19.71 | 17200 | 0.84 | 268 | 2KJ3511- ■ KN33- ■ ■ K1 -Z - | | |
| 85 | 2470 | 17.30 | 17400 | 0.97 | 268 | 2KJ3511- ■ KN33- ■ ■ J1 -Z - | | |
| 98 | 2150 | 15.06 | 17500 | 1.1 | 268 | 2KJ3511- ■ KN33- ■ ■ H1 -Z - | | |
| 114 | 1830 | 12.87 | 17600 | 1.2 | 268 | 2KJ3511- ■ KN33- ■ ■ G1 -Z - | | |

Article No. supplement

| | | |
|-----------------------|------------------------|----------------|
| Shaft design | 1 or 9 | see page 10/51 |
| Frequency and voltage | 2 or 9 | see page 11/2 |
| Gearbox mounting type | A, F, H, C or D | see page 10/42 |

SIMOGEAR geared motors

Bevel geared motors

Geared motors up to 55 kW

Selection and ordering data

| P_N | n_2 | T_2 | i | F_{R2} | f_B | m | Article No. | Additional identification code -Z with order code |
|--------------------------|--------------------------|-------|--------|----------|-------|------------------------------|-------------------------------------|---|
| kW | rpm | Nm | - | N | - | kg | (Article No. supplement, see below) | No. of poles |
| 22 | K.109-LES180ZLN4P | | | | | | | |
| | 133 | 1570 | 11.02 | 17400 | 1.3 | 268 | 2KJ3511- ■ KN33- ■ ■ F1 -Z - | - |
| | 141 | 1490 | 10.45 | 16600 | 0.84 | 268 | 2KJ3511- ■ KN33- ■ ■ E1 -Z - | - |
| | 160 | 1310 | 9.17 | 16500 | 0.97 | 268 | 2KJ3511- ■ KN33- ■ ■ D1 -Z - | - |
| | 184 | 1140 | 7.99 | 16300 | 1.1 | 268 | 2KJ3511- ■ KN33- ■ ■ C1 -Z - | - |
| | 215 | 975 | 6.83 | 16000 | 1.3 | 268 | 2KJ3511- ■ KN33- ■ ■ B1 -Z - | - |
| 252 | 835 | 5.84 | 15700 | 1.6 | 268 | 2KJ3511- ■ KN33- ■ ■ A1 -Z - | - | |
| 30 | K.189-LES200ZLU4P | | | | | | | |
| | 13 | 22800 | 117.00 | 104000 | 0.86 | 875 | 2KJ3515- ■ LN33- ■ ■ R1 -Z - | - |
| | 14 | 20300 | 104.56 | 104000 | 0.96 | 875 | 2KJ3515- ■ LN33- ■ ■ Q1 -Z - | - |
| | 16 | 18400 | 94.55 | 104000 | 1.1 | 875 | 2KJ3515- ■ LN33- ■ ■ P1 -Z - | - |
| | 18 | 16200 | 83.44 | 104000 | 1.2 | 875 | 2KJ3515- ■ LN33- ■ ■ N1 -Z - | - |
| | 20 | 14400 | 74.35 | 104000 | 1.3 | 875 | 2KJ3515- ■ LN33- ■ ■ M1 -Z - | - |
| | 22 | 13100 | 67.36 | 104000 | 1.5 | 875 | 2KJ3515- ■ LN33- ■ ■ L1 -Z - | - |
| | 24 | 11800 | 60.58 | 104000 | 1.7 | 875 | 2KJ3515- ■ LN33- ■ ■ K1 -Z - | - |
| | 29 | 9810 | 50.34 | 104000 | 2 | 875 | 2KJ3515- ■ LN33- ■ ■ J1 -Z - | - |
| | 33 | 8720 | 44.76 | 104000 | 2.2 | 875 | 2KJ3515- ■ LN33- ■ ■ H1 -Z - | - |
| | K.169-LES200ZLU4P | | | | | | | |
| | 19 | 14800 | 76.23 | 65900 | 0.88 | 645 | 2KJ3514- ■ LN33- ■ ■ T1 -Z - | - |
| | 22 | 13100 | 67.61 | 66300 | 0.99 | 645 | 2KJ3514- ■ LN33- ■ ■ S1 -Z - | - |
| | 24 | 12000 | 62.07 | 66400 | 1.1 | 645 | 2KJ3514- ■ LN33- ■ ■ R1 -Z - | - |
| | 27 | 10600 | 54.68 | 66200 | 1.2 | 645 | 2KJ3514- ■ LN33- ■ ■ Q1 -Z - | - |
| | 33 | 8740 | 44.86 | 65300 | 1.5 | 645 | 2KJ3514- ■ LN33- ■ ■ P1 -Z - | - |
| | 37 | 7660 | 39.33 | 64500 | 1.7 | 645 | 2KJ3514- ■ LN33- ■ ■ N1 -Z - | - |
| | 48 | 5990 | 30.75 | 62500 | 2.2 | 645 | 2KJ3514- ■ LN33- ■ ■ M1 -Z - | - |
| | 50 | 5730 | 29.43 | 62100 | 2.3 | 645 | 2KJ3514- ■ LN33- ■ ■ L1 -Z - | - |
| | 54 | 5260 | 27.02 | 61300 | 2.5 | 645 | 2KJ3514- ■ LN33- ■ ■ K1 -Z - | - |
| | 62 | 4630 | 23.80 | 60000 | 2.8 | 645 | 2KJ3514- ■ LN33- ■ ■ J1 -Z - | - |
| | 120 | 2370 | 12.20 | 51100 | 2.8 | 645 | 2KJ3514- ■ LN33- ■ ■ E1 -Z - | - |
| | 147 | 1950 | 10.01 | 49000 | 3.3 | 645 | 2KJ3514- ■ LN33- ■ ■ D1 -Z - | - |
| | 167 | 1710 | 8.78 | 47600 | 3.7 | 645 | 2KJ3514- ■ LN33- ■ ■ C1 -Z - | - |
| | K.149-LES200ZLU4P | | | | | | | |
| | 30 | 9660 | 49.60 | 35900 | 0.83 | 474 | 2KJ3513- ■ LN33- ■ ■ S1 -Z - | - |
| | 34 | 8410 | 43.18 | 36900 | 0.95 | 474 | 2KJ3513- ■ LN33- ■ ■ R1 -Z - | - |
| | 42 | 6890 | 35.40 | 37600 | 1.1 | 474 | 2KJ3513- ■ LN33- ■ ■ Q1 -Z - | - |
| | 45 | 6300 | 32.33 | 37700 | 1.2 | 474 | 2KJ3513- ■ LN33- ■ ■ P1 -Z - | - |
| | 51 | 5580 | 28.66 | 37800 | 1.4 | 474 | 2KJ3513- ■ LN33- ■ ■ N1 -Z - | - |
| | 58 | 4930 | 25.30 | 37600 | 1.5 | 474 | 2KJ3513- ■ LN33- ■ ■ M1 -Z - | - |
| | 66 | 4330 | 22.25 | 37400 | 1.7 | 474 | 2KJ3513- ■ LN33- ■ ■ L1 -Z - | - |
| | 73 | 3920 | 20.15 | 37100 | 1.8 | 474 | 2KJ3513- ■ LN33- ■ ■ K1 -Z - | - |
| 84 | 3410 | 17.54 | 36500 | 2 | 474 | 2KJ3513- ■ LN33- ■ ■ J1 -Z - | - | |
| 102 | 2800 | 14.38 | 35600 | 2.4 | 474 | 2KJ3513- ■ LN33- ■ ■ H1 -Z - | - | |
| 104 | 2750 | 14.15 | 35100 | 1.5 | 474 | 2KJ3513- ■ LN33- ■ ■ G1 -Z - | - | |
| 118 | 2420 | 12.44 | 34400 | 1.7 | 474 | 2KJ3513- ■ LN33- ■ ■ F1 -Z - | - | |
| 131 | 2190 | 11.26 | 33900 | 1.8 | 474 | 2KJ3513- ■ LN33- ■ ■ E1 -Z - | - | |
| 150 | 1910 | 9.81 | 33100 | 2 | 474 | 2KJ3513- ■ LN33- ■ ■ D1 -Z - | - | |
| 183 | 1560 | 8.04 | 31800 | 2.4 | 474 | 2KJ3513- ■ LN33- ■ ■ C1 -Z - | - | |
| 216 | 1320 | 6.82 | 30800 | 2.7 | 474 | 2KJ3513- ■ LN33- ■ ■ B1 -Z - | - | |
| K.129-LES200ZLU4P | | | | | | | | |
| 53 | 5370 | 27.58 | 21600 | 0.82 | 393 | 2KJ3512- ■ LN33- ■ ■ M1 -Z - | - | |
| 60 | 4790 | 24.61 | 22200 | 0.92 | 393 | 2KJ3512- ■ LN33- ■ ■ L1 -Z - | - | |

Article No. supplement

| | | |
|-----------------------|-----------------|----------------|
| Shaft design | 1 or 9 | see page 10/51 |
| Frequency and voltage | 2 or 9 | see page 11/2 |
| Gearbox mounting type | A, F, H, C or D | see page 10/42 |

Selection and ordering data

| P_N kW | n_2 rpm | T_2 Nm | i – | F_{R2} N | f_B – | m kg | Article No. (Article No. supplement, see below) | Additional identification code -Z with order code No. of poles |
|-------------------------|--------------------------|-------------|----------|---------------|------------|------------------------------|--|--|
| 30 | K.129-LES200ZLU4P | | | | | | | |
| | 68 | 4220 | 21.68 | 22700 | 1 | 393 | 2KJ3512- ■ LN33- ■ ■ K1 -Z - | |
| | 77 | 3700 | 19.00 | 23100 | 1.1 | 393 | 2KJ3512- ■ LN33- ■ ■ J1 -Z - | |
| | 89 | 3220 | 16.56 | 23300 | 1.2 | 393 | 2KJ3512- ■ LN33- ■ ■ H1 -Z - | |
| | 97 | 2940 | 15.11 | 23300 | 1.3 | 393 | 2KJ3512- ■ LN33- ■ ■ G1 -Z - | |
| | 113 | 2530 | 13.01 | 23200 | 1.5 | 393 | 2KJ3512- ■ LN33- ■ ■ F1 -Z - | |
| | 125 | 2300 | 11.80 | 23100 | 1.2 | 393 | 2KJ3512- ■ LN33- ■ ■ E1 -Z - | |
| | 142 | 2010 | 10.34 | 22800 | 1.4 | 393 | 2KJ3512- ■ LN33- ■ ■ D1 -Z - | |
| | 163 | 1750 | 9.01 | 22500 | 1.6 | 393 | 2KJ3512- ■ LN33- ■ ■ C1 -Z - | |
| | 179 | 1600 | 8.22 | 22300 | 1.7 | 393 | 2KJ3512- ■ LN33- ■ ■ B1 -Z - | |
| 208 | 1380 | 7.08 | 21800 | 1.8 | 393 | 2KJ3512- ■ LN33- ■ ■ A1 -Z - | | |
| 37 | K.189-LES225SD4P | | | | | | | |
| | 16 | 22600 | 94.55 | 104000 | 0.86 | 917 | 2KJ3515- ■ MF33- ■ ■ P1 -Z - | |
| | 18 | 19900 | 83.44 | 104000 | 0.98 | 917 | 2KJ3515- ■ MF33- ■ ■ N1 -Z - | |
| | 20 | 17700 | 74.35 | 104000 | 1.1 | 917 | 2KJ3515- ■ MF33- ■ ■ M1 -Z - | |
| | 22 | 16100 | 67.36 | 104000 | 1.2 | 917 | 2KJ3515- ■ MF33- ■ ■ L1 -Z - | |
| | 24 | 14400 | 60.58 | 104000 | 1.3 | 917 | 2KJ3515- ■ MF33- ■ ■ K1 -Z - | |
| | 29 | 12000 | 50.34 | 104000 | 1.6 | 917 | 2KJ3515- ■ MF33- ■ ■ J1 -Z - | |
| | 33 | 10700 | 44.76 | 104000 | 1.8 | 917 | 2KJ3515- ■ MF33- ■ ■ H1 -Z - | |
| | 41 | 8520 | 35.67 | 104000 | 2.3 | 917 | 2KJ3515- ■ MF33- ■ ■ G1 -Z - | |
| | 52 | 6780 | 28.39 | 104000 | 2.9 | 917 | 2KJ3515- ■ MF33- ■ ■ F1 -Z - | |
| | K.169-LES225SD4P | | | | | | | |
| | 22 | 16100 | 67.61 | 59200 | 0.8 | 690 | 2KJ3514- ■ MF33- ■ ■ S1 -Z - | |
| | 24 | 14800 | 62.07 | 59800 | 0.88 | 690 | 2KJ3514- ■ MF33- ■ ■ R1 -Z - | |
| | 27 | 13000 | 54.68 | 60400 | 0.99 | 690 | 2KJ3514- ■ MF33- ■ ■ Q1 -Z - | |
| | 33 | 10700 | 44.86 | 60600 | 1.2 | 690 | 2KJ3514- ■ MF33- ■ ■ P1 -Z - | |
| | 38 | 9400 | 39.33 | 60300 | 1.4 | 690 | 2KJ3514- ■ MF33- ■ ■ N1 -Z - | |
| | 48 | 7350 | 30.75 | 59200 | 1.8 | 690 | 2KJ3514- ■ MF33- ■ ■ M1 -Z - | |
| | 50 | 7030 | 29.43 | 58900 | 1.8 | 690 | 2KJ3514- ■ MF33- ■ ■ L1 -Z - | |
| | 55 | 6460 | 27.02 | 58400 | 2 | 690 | 2KJ3514- ■ MF33- ■ ■ K1 -Z - | |
| | 62 | 5690 | 23.80 | 57400 | 2.3 | 690 | 2KJ3514- ■ MF33- ■ ■ J1 -Z - | |
| | 76 | 4660 | 19.53 | 55700 | 2.7 | 690 | 2KJ3514- ■ MF33- ■ ■ H1 -Z - | |
| | 86 | 4090 | 17.12 | 54500 | 3 | 690 | 2KJ3514- ■ MF33- ■ ■ G1 -Z - | |
| 121 | 2910 | 12.20 | 49500 | 2.3 | 690 | 2KJ3514- ■ MF33- ■ ■ E1 -Z - | | |
| 148 | 2390 | 10.01 | 47600 | 2.7 | 690 | 2KJ3514- ■ MF33- ■ ■ D1 -Z - | | |
| 168 | 2090 | 8.78 | 46400 | 3 | 690 | 2KJ3514- ■ MF33- ■ ■ C1 -Z - | | |
| 215 | 1640 | 6.86 | 43900 | 3.7 | 690 | 2KJ3514- ■ MF33- ■ ■ B1 -Z - | | |
| K.149-LES225SD4P | | | | | | | | |
| 42 | 8460 | 35.40 | 33100 | 0.93 | 518 | 2KJ3513- ■ MF33- ■ ■ Q1 -Z - | | |
| 46 | 7720 | 32.33 | 33700 | 1 | 518 | 2KJ3513- ■ MF33- ■ ■ P1 -Z - | | |
| 52 | 6850 | 28.66 | 34100 | 1.1 | 518 | 2KJ3513- ■ MF33- ■ ■ N1 -Z - | | |
| 58 | 6040 | 25.30 | 34400 | 1.2 | 518 | 2KJ3513- ■ MF33- ■ ■ M1 -Z - | | |
| 66 | 5310 | 22.25 | 34500 | 1.4 | 518 | 2KJ3513- ■ MF33- ■ ■ L1 -Z - | | |
| 73 | 4810 | 20.15 | 34500 | 1.5 | 518 | 2KJ3513- ■ MF33- ■ ■ K1 -Z - | | |
| 84 | 4190 | 17.54 | 34300 | 1.6 | 518 | 2KJ3513- ■ MF33- ■ ■ J1 -Z - | | |
| 103 | 3430 | 14.38 | 33700 | 1.9 | 518 | 2KJ3513- ■ MF33- ■ ■ H1 -Z - | | |
| 104 | 3380 | 14.15 | 33200 | 1.2 | 518 | 2KJ3513- ■ MF33- ■ ■ G1 -Z - | | |
| 119 | 2970 | 12.44 | 32700 | 1.4 | 518 | 2KJ3513- ■ MF33- ■ ■ F1 -Z - | | |
| 131 | 2690 | 11.26 | 32300 | 1.5 | 518 | 2KJ3513- ■ MF33- ■ ■ E1 -Z - | | |
| 151 | 2340 | 9.81 | 31700 | 1.6 | 518 | 2KJ3513- ■ MF33- ■ ■ D1 -Z - | | |
| 184 | 1920 | 8.04 | 30700 | 1.9 | 518 | 2KJ3513- ■ MF33- ■ ■ C1 -Z - | | |

Article No. supplement

| | | |
|-----------------------|------------------------|----------------|
| Shaft design | 1 or 9 | see page 10/51 |
| Frequency and voltage | 2 or 9 | see page 11/2 |
| Gearbox mounting type | A, F, H, C or D | see page 10/42 |

SIMOGEAR geared motors

Bevel geared motors

Geared motors up to 55 kW

Selection and ordering data

| P_N kW | n_2 rpm | T_2 Nm | i – | F_{R2} N | f_B – | m kg | Article No. (Article No. supplement, see below) | Additional identification code -Z with order code No. of poles |
|--------------------------|-------------------------|--------------------------|----------|---------------|------------|-----------|--|--|
| 37 | K.149-LES225SD4P | | | | | | | |
| | 217 | 1630 | 6.82 | 29800 | 2.2 | 518 | 2KJ3513- MF33- B1 -Z - | |
| | K.129-LES225SD4P | | | | | | | |
| | 68 | 5180 | 21.68 | 19400 | 0.82 | 435 | 2KJ3512- MF33- K1 -Z - | |
| | 78 | 4540 | 19.00 | 20100 | 0.91 | 435 | 2KJ3512- MF33- J1 -Z - | |
| | 89 | 3950 | 16.56 | 20700 | 1 | 435 | 2KJ3512- MF33- H1 -Z - | |
| | 98 | 3610 | 15.11 | 20900 | 1.1 | 435 | 2KJ3512- MF33- G1 -Z - | |
| | 114 | 3110 | 13.01 | 21200 | 1.2 | 435 | 2KJ3512- MF33- F1 -Z - | |
| | 125 | 2820 | 11.80 | 21200 | 1 | 435 | 2KJ3512- MF33- E1 -Z - | |
| | 143 | 2470 | 10.34 | 21200 | 1.2 | 435 | 2KJ3512- MF33- D1 -Z - | |
| | 164 | 2150 | 9.01 | 21100 | 1.3 | 435 | 2KJ3512- MF33- C1 -Z - | |
| | 180 | 1960 | 8.22 | 21000 | 1.4 | 435 | 2KJ3512- MF33- B1 -Z - | |
| | 209 | 1690 | 7.08 | 20700 | 1.5 | 435 | 2KJ3512- MF33- A1 -Z - | |
| | 45 | K.189-LES225YMF4P | | | | | | |
| 18 | | 24200 | 83.44 | 104000 | 0.8 | 962 | 2KJ3515- MT33- N1 -Z - | |
| 20 | | 21600 | 74.35 | 104000 | 0.9 | 962 | 2KJ3515- MT33- M1 -Z - | |
| 22 | | 19500 | 67.36 | 104000 | 1 | 962 | 2KJ3515- MT33- L1 -Z - | |
| 24 | | 17600 | 60.58 | 104000 | 1.1 | 962 | 2KJ3515- MT33- K1 -Z - | |
| 29 | | 14600 | 50.34 | 104000 | 1.3 | 962 | 2KJ3515- MT33- J1 -Z - | |
| 33 | | 13000 | 44.76 | 104000 | 1.5 | 962 | 2KJ3515- MT33- H1 -Z - | |
| 41 | | 10300 | 35.67 | 104000 | 1.9 | 962 | 2KJ3515- MT33- G1 -Z - | |
| 52 | | 8250 | 28.39 | 103900 | 2.4 | 962 | 2KJ3515- MT33- F1 -Z - | |
| 58 | | 7370 | 25.37 | 101700 | 2.6 | 962 | 2KJ3515- MT33- E1 -Z - | |
| K.169-LES225YMF4P | | | | | | | | |
| 27 | | 15800 | 54.68 | 53900 | 0.82 | 735 | 2KJ3514- MT33- Q1 -Z - | |
| 33 | | 13000 | 44.86 | 55200 | 1 | 735 | 2KJ3514- MT33- P1 -Z - | |
| 38 | | 11400 | 39.33 | 55600 | 1.1 | 735 | 2KJ3514- MT33- N1 -Z - | |
| 48 | | 8940 | 30.75 | 55500 | 1.5 | 735 | 2KJ3514- MT33- M1 -Z - | |
| 50 | | 8550 | 29.43 | 55400 | 1.5 | 735 | 2KJ3514- MT33- L1 -Z - | |
| 55 | | 7850 | 27.02 | 55100 | 1.7 | 735 | 2KJ3514- MT33- K1 -Z - | |
| 62 | | 6920 | 23.80 | 54600 | 1.9 | 735 | 2KJ3514- MT33- J1 -Z - | |
| 76 | | 5670 | 19.53 | 53400 | 2.2 | 735 | 2KJ3514- MT33- H1 -Z - | |
| 86 | | 4970 | 17.12 | 52400 | 2.5 | 735 | 2KJ3514- MT33- G1 -Z - | |
| 110 | | 3890 | 13.39 | 50400 | 3.1 | 735 | 2KJ3514- MT33- F1 -Z - | |
| 121 | | 3540 | 12.20 | 47700 | 1.9 | 735 | 2KJ3514- MT33- E1 -Z - | |
| 148 | | 2910 | 10.01 | 46100 | 2.2 | 735 | 2KJ3514- MT33- D1 -Z - | |
| 168 | | 2550 | 8.78 | 45100 | 2.5 | 735 | 2KJ3514- MT33- C1 -Z - | |
| 215 | | 1990 | 6.86 | 42900 | 3.1 | 735 | 2KJ3514- MT33- B1 -Z - | |
| K.149-LES225YMF4P | | | | | | | | |
| 46 | | 9400 | 32.33 | 29000 | 0.83 | 563 | 2KJ3513- MT33- P1 -Z - | |
| 52 | | 8330 | 28.66 | 30000 | 0.92 | 563 | 2KJ3513- MT33- N1 -Z - | |
| 58 | | 7350 | 25.30 | 30800 | 1 | 563 | 2KJ3513- MT33- M1 -Z - | |
| 66 | | 6470 | 22.25 | 31300 | 1.1 | 563 | 2KJ3513- MT33- L1 -Z - | |
| 73 | | 5850 | 20.15 | 31600 | 1.2 | 563 | 2KJ3513- MT33- K1 -Z - | |
| 84 | | 5100 | 17.54 | 31700 | 1.4 | 563 | 2KJ3513- MT33- J1 -Z - | |
| 103 | | 4180 | 14.38 | 31600 | 1.6 | 563 | 2KJ3513- MT33- H1 -Z - | |
| 104 | | 4110 | 14.15 | 31000 | 1 | 563 | 2KJ3513- MT33- G1 -Z - | |
| 119 | | 3610 | 12.44 | 30800 | 1.1 | 563 | 2KJ3513- MT33- F1 -Z - | |
| 131 | | 3270 | 11.26 | 30600 | 1.2 | 563 | 2KJ3513- MT33- E1 -Z - | |
| 151 | | 2850 | 9.81 | 30200 | 1.3 | 563 | 2KJ3513- MT33- D1 -Z - | |
| 184 | | 2330 | 8.04 | 29500 | 1.6 | 563 | 2KJ3513- MT33- C1 -Z - | |
| 217 | | 1980 | 6.82 | 28800 | 1.8 | 563 | 2KJ3513- MT33- B1 -Z - | |

Article No. supplement

| | | |
|-----------------------|-----------------|----------------|
| Shaft design | 1 or 9 | see page 10/51 |
| Frequency and voltage | 2 or 9 | see page 11/2 |
| Gearbox mounting type | A, F, H, C or D | see page 10/42 |

Selection and ordering data

| P_N kW | n_2 rpm | T_2 Nm | i – | F_{R2} N | f_B – | m kg | Article No. (Article No. supplement, see below) | Additional identification code -Z with order code No. of poles |
|-------------------------|--------------------------|-------------|----------|---------------|------------|------------------------------|--|--|
| 45 | K.129-LES225YMF4P | | | | | | | |
| | 89 | 4810 | 16.56 | 17800 | 0.83 | 480 | 2KJ3512- ■ MT33- ■ ■ H1 -Z - | |
| | 98 | 4390 | 15.11 | 18300 | 0.9 | 480 | 2KJ3512- ■ MT33- ■ ■ G1 -Z - | |
| | 114 | 3780 | 13.01 | 18900 | 1 | 480 | 2KJ3512- ■ MT33- ■ ■ F1 -Z - | |
| | 125 | 3430 | 11.80 | 19100 | 0.82 | 480 | 2KJ3512- ■ MT33- ■ ■ E1 -Z - | |
| | 143 | 3000 | 10.34 | 19400 | 0.95 | 480 | 2KJ3512- ■ MT33- ■ ■ D1 -Z - | |
| | 164 | 2620 | 9.01 | 19500 | 1.1 | 480 | 2KJ3512- ■ MT33- ■ ■ C1 -Z - | |
| | 180 | 2390 | 8.22 | 19500 | 1.1 | 480 | 2KJ3512- ■ MT33- ■ ■ B1 -Z - | |
| 209 | 2050 | 7.08 | 19500 | 1.2 | 480 | 2KJ3512- ■ MT33- ■ ■ A1 -Z - | | |
| 55 | K.189-LES250MD4P | | | | | | | |
| | 22 | 23800 | 67.36 | 104000 | 0.82 | 1066 | 2KJ3515- ■ NM33- ■ ■ L1 -Z - | |
| | 24 | 21400 | 60.58 | 104000 | 0.91 | 1066 | 2KJ3515- ■ NM33- ■ ■ K1 -Z - | |
| | 29 | 17800 | 50.34 | 104000 | 1.1 | 1066 | 2KJ3515- ■ NM33- ■ ■ J1 -Z - | |
| | 33 | 15800 | 44.76 | 104000 | 1.2 | 1066 | 2KJ3515- ■ NM33- ■ ■ H1 -Z - | |
| | 42 | 12600 | 35.67 | 103400 | 1.5 | 1066 | 2KJ3515- ■ NM33- ■ ■ G1 -Z - | |
| | 52 | 10000 | 28.39 | 100200 | 1.9 | 1066 | 2KJ3515- ■ NM33- ■ ■ F1 -Z - | |
| | 58 | 8990 | 25.37 | 98300 | 2.2 | 1066 | 2KJ3515- ■ NM33- ■ ■ E1 -Z - | |
| | 70 | 7470 | 21.09 | 95100 | 2.6 | 1066 | 2KJ3515- ■ NM33- ■ ■ D1 -Z - | |
| | 79 | 6640 | 18.75 | 93000 | 2.9 | 1066 | 2KJ3515- ■ NM33- ■ ■ C1 -Z - | |
| | K.169-LES250MD4P | | | | | | | |
| | 33 | 15800 | 44.86 | 48600 | 0.82 | 837 | 2KJ3514- ■ NM33- ■ ■ P1 -Z - | |
| | 38 | 13900 | 39.33 | 49700 | 0.93 | 837 | 2KJ3514- ■ NM33- ■ ■ N1 -Z - | |
| | 48 | 10800 | 30.75 | 51100 | 1.2 | 837 | 2KJ3514- ■ NM33- ■ ■ M1 -Z - | |
| | 50 | 10400 | 29.43 | 51000 | 1.2 | 837 | 2KJ3514- ■ NM33- ■ ■ L1 -Z - | |
| | 55 | 9570 | 27.02 | 51100 | 1.4 | 837 | 2KJ3514- ■ NM33- ■ ■ K1 -Z - | |
| | 62 | 8430 | 23.80 | 51000 | 1.5 | 837 | 2KJ3514- ■ NM33- ■ ■ J1 -Z - | |
| | 76 | 6920 | 19.53 | 50400 | 1.8 | 837 | 2KJ3514- ■ NM33- ■ ■ H1 -Z - | |
| | 87 | 6060 | 17.12 | 49800 | 2 | 837 | 2KJ3514- ■ NM33- ■ ■ G1 -Z - | |
| | 111 | 4740 | 13.39 | 48400 | 2.5 | 837 | 2KJ3514- ■ NM33- ■ ■ F1 -Z - | |
| 121 | 4320 | 12.20 | 45400 | 1.6 | 837 | 2KJ3514- ■ NM33- ■ ■ E1 -Z - | | |
| 148 | 3540 | 10.01 | 44300 | 1.8 | 837 | 2KJ3514- ■ NM33- ■ ■ D1 -Z - | | |
| 169 | 3110 | 8.78 | 43400 | 2 | 837 | 2KJ3514- ■ NM33- ■ ■ C1 -Z - | | |
| 216 | 2430 | 6.86 | 41600 | 2.5 | 837 | 2KJ3514- ■ NM33- ■ ■ B1 -Z - | | |
| K.149-LES250MD4P | | | | | | | | |
| 59 | 8960 | 25.30 | 26200 | 0.83 | 664 | 2KJ3513- ■ NM33- ■ ■ M1 -Z - | | |
| 67 | 7880 | 22.25 | 27300 | 0.91 | 664 | 2KJ3513- ■ NM33- ■ ■ L1 -Z - | | |
| 74 | 7140 | 20.15 | 27900 | 0.99 | 664 | 2KJ3513- ■ NM33- ■ ■ K1 -Z - | | |
| 84 | 6210 | 17.54 | 28600 | 1.1 | 664 | 2KJ3513- ■ NM33- ■ ■ J1 -Z - | | |
| 103 | 5090 | 14.38 | 29100 | 1.3 | 664 | 2KJ3513- ■ NM33- ■ ■ H1 -Z - | | |
| 105 | 5010 | 14.15 | 28300 | 0.83 | 664 | 2KJ3513- ■ NM33- ■ ■ G1 -Z - | | |
| 119 | 4400 | 12.44 | 28500 | 0.91 | 664 | 2KJ3513- ■ NM33- ■ ■ F1 -Z - | | |
| 132 | 3990 | 11.26 | 28500 | 0.99 | 664 | 2KJ3513- ■ NM33- ■ ■ E1 -Z - | | |
| 151 | 3470 | 9.81 | 28400 | 1.1 | 664 | 2KJ3513- ■ NM33- ■ ■ D1 -Z - | | |
| 184 | 2850 | 8.04 | 28000 | 1.3 | 664 | 2KJ3513- ■ NM33- ■ ■ C1 -Z - | | |
| 217 | 2410 | 6.82 | 27500 | 1.5 | 664 | 2KJ3513- ■ NM33- ■ ■ B1 -Z - | | |

Article No. supplement

| | | |
|-----------------------|-----------------|----------------|
| Shaft design | 1 or 9 | see page 10/51 |
| Frequency and voltage | 2 or 9 | see page 11/2 |
| Gearbox mounting type | A, F, H, C or D | see page 10/42 |

SIMOGEAR geared motors

Bevel geared motors

Transmission ratios and torques

Selection and ordering data

| i | n ₂ rpm | T _{2N} Nm | F _{R2} N | φ ¹⁾ | J _G 10 ⁻⁴ kgm ² | R _{ex} | Motor frame size | | | | | | | | | | | | Article No. (Article No. supplement, see below) |
|--------------|-----------------------|-----------------------|----------------------|-----------------|--|-----------------|------------------|----|----|----|-----|-----|-----|-----|-----|-----|--------------------------|-----|--|
| | | | | | | | 63 | 71 | 80 | 90 | 100 | 112 | 132 | 160 | 180 | 200 | 225 | 250 | |
| B.19 | | | | | | | | | | | | | | | | | | | |
| 42.10 | 34 | 50 | 3880 | 13.0 | 0.02 | 3410/81 | ✓ | ✓ | | | | | | | | | 2KJ3500 - ■■■■■■ - ■■ A2 | | |
| 37.28 | 39 | 50 | 3700 | 13.5 | 0.03 | 671/18 | ✓ | ✓ | ✓ | | | | | | | | 2KJ3500 - ■■■■■■ - ■■ X1 | | |
| 32.39 | 45 | 50 | 3510 | 13.6 | 0.04 | 583/18 | ✓ | ✓ | ✓ | | | | | | | | 2KJ3500 - ■■■■■■ - ■■ W1 | | |
| 29.44 | 49 | 50 | 3380 | 13.6 | 0.04 | 265/9 | ✓ | ✓ | ✓ | | | | | | | | 2KJ3500 - ■■■■■■ - ■■ V1 | | |
| 25.06 | 58 | 50 | 3170 | 13.7 | 0.06 | 451/18 | ✓ | ✓ | ✓ | | | | | | | | 2KJ3500 - ■■■■■■ - ■■ U1 | | |
| 22.78 | 64 | 50 | 3050 | 13.7 | 0.08 | 205/9 | ✓ | ✓ | ✓ | | | | | | | | 2KJ3500 - ■■■■■■ - ■■ T1 | | |
| 19.86 | 73 | 50 | 2890 | 13.9 | 0.09 | 715/36 | ✓ | ✓ | ✓ | | | | | | | | 2KJ3500 - ■■■■■■ - ■■ S1 | | |
| 17.78 | 82 | 50 | 2770 | 14.0 | 0.12 | 160/9 | ✓ | ✓ | ✓ | | | | | | | | 2KJ3500 - ■■■■■■ - ■■ R1 | | |
| 15.79 | 92 | 50 | 2640 | 14.1 | 0.14 | 1705/108 | ✓ | ✓ | ✓ | | | | | | | | 2KJ3500 - ■■■■■■ - ■■ Q1 | | |
| 14.57 | 100 | 50 | 2550 | 14.1 | 0.17 | 1705/117 | ✓ | ✓ | ✓ | | | | | | | | 2KJ3500 - ■■■■■■ - ■■ P1 | | |
| 12.66 | 115 | 50 | 2410 | 14.4 | 0.19 | 1595/126 | ✓ | ✓ | ✓ | | | | | | | | 2KJ3500 - ■■■■■■ - ■■ N1 | | |
| 11.00 | 132 | 50 | 2270 | 14.1 | 0.19 | 11/1 | ✓ | ✓ | ✓ | | | | | | | | 2KJ3500 - ■■■■■■ - ■■ M1 | | |
| 9.93 | 146 | 50 | 2190 | 14.2 | 0.25 | 715/72 | ✓ | ✓ | ✓ | | | | | | | | 2KJ3500 - ■■■■■■ - ■■ L1 | | |
| 9.35 | 155 | 50 | 2160 | 14.2 | 0.29 | 1430/153 | ✓ | ✓ | ✓ | | | | | | | | 2KJ3500 - ■■■■■■ - ■■ K1 | | |
| 8.15 | 178 | 47 | 2110 | 14.6 | 0.33 | 220/27 | ✓ | ✓ | ✓ | | | | | | | | 2KJ3500 - ■■■■■■ - ■■ J1 | | |
| 7.87 | 184 | 38 | 2160 | 21.4 | 0.14 | 1472/187 | ✓ | ✓ | ✓ | | | | | | | | 2KJ3500 - ■■■■■■ - ■■ H1 | | |
| 6.99 | 207 | 38 | 2100 | 21.7 | 0.17 | 713/102 | ✓ | ✓ | ✓ | | | | | | | | 2KJ3500 - ■■■■■■ - ■■ G1 | | |
| 6.45 | 225 | 39 | 2060 | 21.6 | 0.20 | 1426/221 | ✓ | ✓ | ✓ | | | | | | | | 2KJ3500 - ■■■■■■ - ■■ F1 | | |
| 5.61 | 258 | 37 | 1990 | 22.3 | 0.22 | 667/119 | ✓ | ✓ | ✓ | | | | | | | | 2KJ3500 - ■■■■■■ - ■■ E1 | | |
| 4.87 | 298 | 35 | 1930 | 21.6 | 0.24 | 414/85 | ✓ | ✓ | ✓ | | | | | | | | 2KJ3500 - ■■■■■■ - ■■ D1 | | |
| 4.40 | 330 | 34 | 1880 | 22.0 | 0.32 | 299/68 | ✓ | ✓ | ✓ | | | | | | | | 2KJ3500 - ■■■■■■ - ■■ C1 | | |
| 4.14 | 350 | 33 | 1850 | 22.0 | 0.37 | 1196/289 | ✓ | ✓ | ✓ | | | | | | | | 2KJ3500 - ■■■■■■ - ■■ B1 | | |
| 3.61 | 402 | 31 | 1780 | 22.8 | 0.43 | 184/51 | ✓ | ✓ | ✓ | | | | | | | | 2KJ3500 - ■■■■■■ - ■■ A1 | | |

Article No. supplement

| | | |
|--|------------------------|--------------------------------|
| Shaft design | 1 or 9 | see page 10/51 |
| Motor frame size, motor type, efficiency class | | see chapter 9 |
| Frequency and voltage | 2 or 9 | see page 11/2 |
| Gearbox mounting type | A, F, H, C or D | see page 10/42 |

¹⁾ Only in conjunction with reduced-backlash version

Selection and ordering data

| <i>i</i> | <i>n</i> ₂ rpm | <i>T</i> _{2N} Nm | <i>F</i> _{R2} N | φ ¹⁾ | <i>J</i> _G 10 ⁻⁴ kgm ² | <i>R</i> _{ex} | Motor frame size | | | | | | | | | | | Article No. (Article No. supplement, see below) |
|--------------|------------------------------|------------------------------|-----------------------------|-------------------------|---|------------------------|------------------|----|----|----|-----|-----|-----|-----|-----|--------------------------|-----|--|
| | | | | | | | 63 | 71 | 80 | 90 | 100 | 112 | 132 | 160 | 180 | 200 | 225 | |
| B.29 | | | | | | | | | | | | | | | | | | |
| 46.85 | 31 | 110 | 4130 | 10.6 | 0.04 | 1265/27 | ✓ | ✓ | | | | | | | | 2KJ3501 - ■■■■■■ - ■■ B2 | | |
| 41.56 | 35 | 110 | 4130 | 11.0 | 0.05 | 374/9 | ✓ | ✓ | ✓ | ✓ | | | | | | 2KJ3501 - ■■■■■■ - ■■ A2 | | |
| 36.06 | 40 | 110 | 4130 | 11.1 | 0.06 | 649/18 | ✓ | ✓ | ✓ | ✓ | | | | | | 2KJ3501 - ■■■■■■ - ■■ X1 | | |
| 32.78 | 44 | 110 | 4130 | 11.1 | 0.07 | 295/9 | ✓ | ✓ | ✓ | ✓ | | | | | | 2KJ3501 - ■■■■■■ - ■■ W1 | | |
| 28.11 | 52 | 110 | 4130 | 11.2 | 0.09 | 253/9 | ✓ | ✓ | ✓ | ✓ | | | | | | 2KJ3501 - ■■■■■■ - ■■ V1 | | |
| 25.56 | 57 | 110 | 4130 | 11.2 | 0.11 | 230/9 | ✓ | ✓ | ✓ | ✓ | | | | | | 2KJ3501 - ■■■■■■ - ■■ U1 | | |
| 22.41 | 65 | 110 | 4130 | 11.4 | 0.13 | 605/27 | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | 2KJ3501 - ■■■■■■ - ■■ T1 | | |
| 20.00 | 72 | 110 | 4130 | 11.4 | 0.16 | 20/1 | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | 2KJ3501 - ■■■■■■ - ■■ S1 | | |
| 17.82 | 81 | 110 | 4130 | 11.5 | 0.19 | 1925/108 | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | 2KJ3501 - ■■■■■■ - ■■ R1 | | |
| 16.45 | 88 | 110 | 4130 | 11.5 | 0.23 | 1925/117 | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | 2KJ3501 - ■■■■■■ - ■■ Q1 | | |
| 14.40 | 101 | 110 | 4020 | 11.7 | 0.28 | 605/42 | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | 2KJ3501 - ■■■■■■ - ■■ P1 | | |
| 12.63 | 115 | 110 | 3800 | 12.0 | 0.27 | 341/27 | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | 2KJ3501 - ■■■■■■ - ■■ N1 | | |
| 11.46 | 127 | 110 | 3650 | 12.1 | 0.38 | 275/24 | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | 2KJ3501 - ■■■■■■ - ■■ M1 | | |
| 10.78 | 135 | 110 | 3560 | 12.1 | 0.44 | 550/51 | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | 2KJ3501 - ■■■■■■ - ■■ L1 | | |
| 9.51 | 152 | 110 | 3370 | 11.8 | 0.50 | 770/81 | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | 2KJ3501 - ■■■■■■ - ■■ K1 | | |
| 8.25 | 176 | 110 | 3160 | 12.0 | 0.67 | 33/4 | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | 2KJ3501 - ■■■■■■ - ■■ J1 | | |
| 7.84 | 185 | 75 | 3350 | 16.5 | 0.41 | 345/44 | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | 2KJ3501 - ■■■■■■ - ■■ H1 | | |
| 7.38 | 196 | 75 | 3260 | 16.5 | 0.48 | 1380/187 | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | 2KJ3501 - ■■■■■■ - ■■ G1 | | |
| 6.51 | 223 | 75 | 3100 | 16.1 | 0.54 | 644/99 | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | 2KJ3501 - ■■■■■■ - ■■ F1 | | |
| 5.65 | 257 | 75 | 2920 | 16.3 | 0.73 | 621/110 | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | 2KJ3501 - ■■■■■■ - ■■ E1 | | |
| 5.07 | 286 | 74 | 2900 | 18.9 | 0.60 | 345/68 | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | 2KJ3501 - ■■■■■■ - ■■ D1 | | |
| 4.78 | 303 | 74 | 2830 | 18.9 | 0.70 | 1380/289 | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | 2KJ3501 - ■■■■■■ - ■■ C1 | | |
| 4.21 | 344 | 74 | 2680 | 18.2 | 0.82 | 644/153 | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | 2KJ3501 - ■■■■■■ - ■■ B1 | | |
| 3.65 | 397 | 73 | 2550 | 18.6 | 1.10 | 621/170 | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | 2KJ3501 - ■■■■■■ - ■■ A1 | | |

Article No. supplement

| | | |
|--|------------------------|--------------------------------|
| Shaft design | 1 or 9 | see page 10/51 |
| Motor frame size, motor type, efficiency class | | see chapter 9 |
| Frequency and voltage | 2 or 9 | see page 11/2 |
| Gearbox mounting type | A, F, H, C or D | see page 10/42 |

¹⁾ Only in conjunction with reduced-backlash version

SIMOGEAR geared motors

Bevel geared motors

Transmission ratios and torques

Selection and ordering data

| i | n ₂ rpm | T _{2N} Nm | F _{R2} N | φ ¹⁾ | J _G 10 ⁻⁴ kgm ² | P _{ex} | Motor frame size | | | | | | | | | | | Article No. (Article No. supplement, see below) |
|--------------|-----------------------|-----------------------|----------------------|-----------------|--|-----------------|------------------|----|----|----|-----|-----|-----|-----|-----|---------------------------------|-----|--|
| | | | | | | | 63 | 71 | 80 | 90 | 100 | 112 | 132 | 160 | 180 | 200 | 225 | |
| B.39 | | | | | | | | | | | | | | | | | | |
| 56.36 | 26 | 250 | 6980 | 8.5 | 0.06 | 4565/81 | ✓ | ✓ | | | | | | | | 2KJ3502 - ■■■■■■ - ■■ A2 | | |
| 50.11 | 29 | 210 | 6980 | 8.8 | 0.08 | 451/9 | ✓ | ✓ | ✓ | ✓ | | | | | | 2KJ3502 - ■■■■■■ - ■■ X1 | | |
| 44.00 | 33 | 250 | 6980 | 8.9 | 0.09 | 44/1 | ✓ | ✓ | ✓ | ✓ | | | | | | 2KJ3502 - ■■■■■■ - ■■ W1 | | |
| 40.00 | 36 | 230 | 6980 | 8.9 | 0.11 | 40/1 | ✓ | ✓ | ✓ | ✓ | | | | | | 2KJ3502 - ■■■■■■ - ■■ V1 | | |
| 34.22 | 42 | 250 | 6980 | 8.9 | 0.13 | 308/9 | ✓ | ✓ | ✓ | ✓ | | | | | | 2KJ3502 - ■■■■■■ - ■■ U1 | | |
| 31.11 | 47 | 250 | 6980 | 8.9 | 0.16 | 280/9 | ✓ | ✓ | ✓ | ✓ | | | | | | 2KJ3502 - ■■■■■■ - ■■ T1 | | |
| 27.50 | 53 | 250 | 6980 | 9.0 | 0.20 | 55/2 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | 2KJ3502 - ■■■■■■ - ■■ S1 | | |
| 25.00 | 58 | 250 | 6980 | 9.0 | 0.26 | 25/1 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | 2KJ3502 - ■■■■■■ - ■■ R1 | | |
| 21.90 | 66 | 250 | 6720 | 9.2 | 0.30 | 2365/108 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | 2KJ3502 - ■■■■■■ - ■■ Q1 | | |
| 20.21 | 72 | 250 | 6490 | 9.2 | 0.36 | 2365/117 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | 2KJ3502 - ■■■■■■ - ■■ P1 | | |
| 17.90 | 81 | 250 | 6160 | 9.3 | 0.43 | 2255/126 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | 2KJ3502 - ■■■■■■ - ■■ N1 | | |
| 14.90 | 97 | 250 | 5680 | 9.5 | 0.58 | 715/48 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | 2KJ3502 - ■■■■■■ - ■■ M1 | | |
| 14.02 | 103 | 250 | 5520 | 9.5 | 0.67 | 715/51 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | 2KJ3502 - ■■■■■■ - ■■ L1 | | |
| 12.56 | 115 | 250 | 5260 | 9.6 | 0.75 | 2035/162 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | 2KJ3502 - ■■■■■■ - ■■ K1 | | |
| 10.69 | 136 | 240 | 4960 | 9.8 | 0.98 | 385/36 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | 2KJ3502 - ■■■■■■ - ■■ J1 | | |
| 9.17 | 158 | 230 | 4690 | 10.1 | 1.29 | 55/6 | | | ✓ | ✓ | ✓ | ✓ | | | | 2KJ3502 - ■■■■■■ - ■■ H1 | | |
| 7.89 | 184 | 220 | 4550 | 10.3 | 1.66 | 1705/216 | | | ✓ | ✓ | ✓ | ✓ | | | | 2KJ3502 - ■■■■■■ - ■■ G1 | | |
| 6.60 | 220 | 200 | 4590 | 15.1 | 0.94 | 897/136 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | 2KJ3502 - ■■■■■■ - ■■ F1 | | |
| 6.21 | 233 | 200 | 4550 | 15.1 | 1.08 | 1794/289 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | 2KJ3502 - ■■■■■■ - ■■ E1 | | |
| 5.56 | 261 | 200 | 4460 | 15.5 | 1.26 | 851/153 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | 2KJ3502 - ■■■■■■ - ■■ D1 | | |
| 4.74 | 306 | 200 | 4330 | 16.0 | 1.69 | 161/34 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | 2KJ3502 - ■■■■■■ - ■■ C1 | | |
| 4.06 | 357 | 200 | 4190 | 16.5 | 2.30 | 69/17 | | | ✓ | ✓ | ✓ | ✓ | | | | 2KJ3502 - ■■■■■■ - ■■ B1 | | |
| 3.50 | 414 | 192 | 4050 | 17.1 | 3.00 | 713/204 | | | ✓ | ✓ | ✓ | ✓ | | | | 2KJ3502 - ■■■■■■ - ■■ A1 | | |

Article No. supplement

| | | |
|--|------------------------|--------------------------------|
| Shaft design | 1 or 9 | see page 10/51 |
| Motor frame size, motor type, efficiency class | | see chapter 9 |
| Frequency and voltage | 2 or 9 | see page 11/2 |
| Gearbox mounting type | A, F, H, C or D | see page 10/42 |

¹⁾ Only in conjunction with reduced-backlash version

Selection and ordering data

| <i>i</i> | <i>n</i> ₂ rpm | <i>T</i> _{2N} Nm | <i>F</i> _{R2} N | φ ¹⁾ | <i>J</i> _G 10 ⁻⁴ kgm ² | <i>R</i> _{ex} | Motor frame size | | | | | | | | | | | Article No. (Article No. supplement, see below) |
|--------------|------------------------------|------------------------------|-----------------------------|-------------------------|---|------------------------|------------------|----|----|----|-----|-----|-----|-----|-----|-----|--------------------------|--|
| | | | | | | | 63 | 71 | 80 | 90 | 100 | 112 | 132 | 160 | 180 | 200 | 225 | |
| B.49 | | | | | | | | | | | | | | | | | | |
| 59.28 | 24 | 450 | 9510 | 8.3 | 0.19 | 1067/18 | ✓ | ✓ | ✓ | ✓ | | | | | | | 2KJ3503 - ■■■■■■ - ■■ C2 | |
| 53.89 | 27 | 450 | 9120 | 8.3 | 0.23 | 485/9 | ✓ | ✓ | ✓ | ✓ | | | | | | | 2KJ3503 - ■■■■■■ - ■■ B2 | |
| 45.83 | 32 | 450 | 8480 | 8.3 | 0.28 | 275/6 | ✓ | ✓ | ✓ | ✓ | | | | | | | 2KJ3503 - ■■■■■■ - ■■ A2 | |
| 41.67 | 35 | 450 | 8120 | 8.3 | 0.34 | 125/3 | ✓ | ✓ | ✓ | ✓ | | | | | | | 2KJ3503 - ■■■■■■ - ■■ X1 | |
| 37.18 | 39 | 450 | 7710 | 8.4 | 0.40 | 4015/108 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | 2KJ3503 - ■■■■■■ - ■■ W1 | |
| 33.33 | 44 | 450 | 7320 | 8.4 | 0.48 | 100/3 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | 2KJ3503 - ■■■■■■ - ■■ V1 | |
| 30.05 | 48 | 450 | 6970 | 8.4 | 0.56 | 3245/108 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | 2KJ3503 - ■■■■■■ - ■■ U1 | |
| 27.74 | 52 | 450 | 6710 | 8.4 | 0.67 | 3245/117 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | 2KJ3503 - ■■■■■■ - ■■ T1 | |
| 25.32 | 57 | 450 | 6420 | 8.5 | 0.80 | 1595/63 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | 2KJ3503 - ■■■■■■ - ■■ S1 | |
| 21.01 | 69 | 450 | 5850 | 8.6 | 1.03 | 3025/144 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | 2KJ3503 - ■■■■■■ - ■■ R1 | |
| 19.77 | 73 | 450 | 5670 | 8.6 | 1.18 | 3025/153 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | 2KJ3503 - ■■■■■■ - ■■ Q1 | |
| 18.67 | 78 | 450 | 5510 | 8.6 | 1.34 | 3025/162 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | 2KJ3503 - ■■■■■■ - ■■ P1 | |
| 15.89 | 91 | 450 | 5060 | 8.7 | 1.66 | 143/9 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | 2KJ3503 - ■■■■■■ - ■■ N1 | |
| 13.61 | 107 | 450 | 4660 | 8.9 | 2.10 | 245/18 | | | ✓ | ✓ | ✓ | ✓ | ✓ | | | | 2KJ3503 - ■■■■■■ - ■■ M1 | |
| 11.97 | 121 | 450 | 4340 | 9.0 | 2.50 | 2585/216 | | | ✓ | ✓ | ✓ | ✓ | ✓ | | | | 2KJ3503 - ■■■■■■ - ■■ L1 | |
| 10.10 | 144 | 450 | 3930 | 9.2 | 3.30 | 2090/207 | | | ✓ | ✓ | ✓ | ✓ | ✓ | | | | 2KJ3503 - ■■■■■■ - ■■ K1 | |
| 8.80 | 165 | 450 | 3620 | 9.7 | 4.40 | 44/5 | | | ✓ | ✓ | ✓ | ✓ | ✓ | | | | 2KJ3503 - ■■■■■■ - ■■ J1 | |
| 8.29 | 175 | 330 | 4540 | 14.1 | 1.52 | 2255/272 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | 2KJ3503 - ■■■■■■ - ■■ H1 | |
| 7.80 | 186 | 330 | 4410 | 14.1 | 1.74 | 2255/289 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | 2KJ3503 - ■■■■■■ - ■■ G1 | |
| 7.37 | 197 | 330 | 4290 | 14.1 | 1.97 | 2255/306 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | 2KJ3503 - ■■■■■■ - ■■ F1 | |
| 6.27 | 231 | 330 | 3970 | 14.4 | 2.50 | 533/85 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | 2KJ3503 - ■■■■■■ - ■■ E1 | |
| 5.37 | 270 | 330 | 3700 | 14.8 | 3.30 | 2009/374 | | | ✓ | ✓ | ✓ | ✓ | ✓ | | | | 2KJ3503 - ■■■■■■ - ■■ D1 | |
| 4.72 | 307 | 330 | 3690 | 15.1 | 4.10 | 1927/408 | | | ✓ | ✓ | ✓ | ✓ | ✓ | | | | 2KJ3503 - ■■■■■■ - ■■ C1 | |
| 3.98 | 364 | 330 | 3660 | 15.6 | 5.40 | 1558/391 | | | ✓ | ✓ | ✓ | ✓ | ✓ | | | | 2KJ3503 - ■■■■■■ - ■■ B1 | |
| 3.47 | 418 | 325 | 3610 | 17.0 | 7.20 | 1476/425 | | | ✓ | ✓ | ✓ | ✓ | ✓ | | | | 2KJ3503 - ■■■■■■ - ■■ A1 | |

Article No. supplement

| | | |
|--|------------------------|--------------------------------|
| Shaft design | 1 or 9 | see page 10/51 |
| Motor frame size, motor type, efficiency class | | see chapter 9 |
| Frequency and voltage | 2 or 9 | see page 11/2 |
| Gearbox mounting type | A, F, H, C or D | see page 10/42 |

¹⁾ Only in conjunction with reduced-backlash version

SIMOGEAR geared motors

Bevel geared motors

Transmission ratios and torques

Selection and ordering data

| i | n ₂ rpm | T _{2N} Nm | F _{R2} N | φ ¹⁾ | J _G 10 ⁻⁴ kgm ² | P _{ex} | Motor frame size | | | | | | | | | | Article No. (Article No. supplement, see below) |
|---------------|-----------------------|-----------------------|----------------------|-----------------|--|-----------------|------------------|----|----|----|-----|-----|-----|-----|-----|-----|--|
| | | | | | | | 63 | 71 | 80 | 90 | 100 | 112 | 132 | 160 | 180 | 200 | |
| K.39 | | | | | | | | | | | | | | | | | |
| 157.32 | 9.2 | 220 | 6080 | 7.3 | 0.04 | 3933/25 | ✓ | ✓ | | | | | | | | | 2KJ3504 - ■■■■■■ - ■■ J2 |
| 139.54 | 10 | 220 | 6080 | 7.4 | 0.05 | 17442/125 | ✓ | ✓ | ✓ | ✓ | | | | | | | 2KJ3504 - ■■■■■■ - ■■ H2 |
| 121.07 | 12 | 220 | 6080 | 7.4 | 0.06 | 30267/250 | ✓ | ✓ | ✓ | ✓ | | | | | | | 2KJ3504 - ■■■■■■ - ■■ G2 |
| 110.06 | 13 | 220 | 6080 | 7.4 | 0.07 | 30267/275 | ✓ | ✓ | ✓ | ✓ | | | | | | | 2KJ3504 - ■■■■■■ - ■■ F2 |
| 94.39 | 15 | 220 | 6080 | 7.4 | 0.09 | 11799/125 | ✓ | ✓ | ✓ | ✓ | | | | | | | 2KJ3504 - ■■■■■■ - ■■ E2 |
| 85.81 | 17 | 220 | 6080 | 7.4 | 0.11 | 23598/275 | ✓ | ✓ | ✓ | ✓ | | | | | | | 2KJ3504 - ■■■■■■ - ■■ D2 |
| 75.24 | 19 | 220 | 6080 | 7.5 | 0.12 | 1881/25 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | 2KJ3504 - ■■■■■■ - ■■ C2 |
| 67.16 | 22 | 220 | 6080 | 7.5 | 0.15 | 18468/275 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | 2KJ3504 - ■■■■■■ - ■■ B2 |
| 59.85 | 24 | 220 | 6080 | 7.5 | 0.18 | 1197/20 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | 2KJ3504 - ■■■■■■ - ■■ A2 |
| 55.25 | 26 | 220 | 6080 | 7.5 | 0.22 | 3591/65 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | 2KJ3504 - ■■■■■■ - ■■ X1 |
| 48.37 | 30 | 220 | 6080 | 7.6 | 0.26 | 16929/350 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | 2KJ3504 - ■■■■■■ - ■■ W1 |
| 42.41 | 34 | 220 | 5790 | 7.7 | 0.24 | 5301/125 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | 2KJ3504 - ■■■■■■ - ■■ V1 |
| 38.47 | 38 | 220 | 5540 | 7.7 | 0.34 | 1539/40 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | 2KJ3504 - ■■■■■■ - ■■ U1 |
| 36.21 | 40 | 220 | 5390 | 7.7 | 0.40 | 3078/85 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | 2KJ3504 - ■■■■■■ - ■■ T1 |
| 31.92 | 45 | 220 | 5080 | 7.6 | 0.44 | 798/25 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | 2KJ3504 - ■■■■■■ - ■■ S1 |
| 27.70 | 52 | 220 | 4760 | 7.7 | 0.60 | 13851/500 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | 2KJ3504 - ■■■■■■ - ■■ R1 |
| 26.89 | 54 | 220 | 4690 | 9.2 | 0.26 | 6804/253 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | 2KJ3504 - ■■■■■■ - ■■ Q1 |
| 23.97 | 60 | 220 | 4440 | 9.3 | 0.32 | 2205/92 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | 2KJ3504 - ■■■■■■ - ■■ P1 |
| 22.12 | 66 | 220 | 4270 | 9.3 | 0.38 | 6615/299 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | 2KJ3504 - ■■■■■■ - ■■ N1 |
| 19.37 | 75 | 220 | 4000 | 9.4 | 0.47 | 891/46 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | 2KJ3504 - ■■■■■■ - ■■ M1 |
| 16.98 | 85 | 220 | 3740 | 9.6 | 0.51 | 1953/115 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | 2KJ3504 - ■■■■■■ - ■■ L1 |
| 15.41 | 94 | 220 | 3560 | 9.7 | 0.67 | 2835/184 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | 2KJ3504 - ■■■■■■ - ■■ K1 |
| 14.50 | 100 | 220 | 3450 | 9.7 | 0.78 | 5670/391 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | 2KJ3504 - ■■■■■■ - ■■ J1 |
| 12.78 | 113 | 220 | 3220 | 9.7 | 0.92 | 294/23 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | 2KJ3504 - ■■■■■■ - ■■ H1 |
| 11.09 | 131 | 220 | 2990 | 9.8 | 1.24 | 5103/460 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | 2KJ3504 - ■■■■■■ - ■■ G1 |
| 10.04 | 144 | 184 | 2880 | 14.7 | 0.55 | 231/23 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | 2KJ3504 - ■■■■■■ - ■■ F1 |
| 8.81 | 165 | 183 | 2790 | 15.1 | 0.62 | 3038/345 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | 2KJ3504 - ■■■■■■ - ■■ E1 |
| 7.99 | 181 | 175 | 2810 | 15.3 | 0.80 | 735/92 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | 2KJ3504 - ■■■■■■ - ■■ D1 |
| 7.52 | 193 | 171 | 2810 | 15.3 | 0.92 | 2940/391 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | 2KJ3504 - ■■■■■■ - ■■ C1 |
| 6.63 | 219 | 161 | 2820 | 15.3 | 1.11 | 1372/207 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | 2KJ3504 - ■■■■■■ - ■■ B1 |
| 5.75 | 252 | 150 | 2810 | 15.4 | 1.49 | 1323/230 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | 2KJ3504 - ■■■■■■ - ■■ A1 |

Article No. supplement

| | | |
|--|------------------------|--------------------------------|
| Shaft design | 1 or 9 | see page 10/51 |
| Motor frame size, motor type, efficiency class | | see chapter 9 |
| Frequency and voltage | 2 or 9 | see page 11/2 |
| Gearbox mounting type | A, F, H, C or D | see page 10/42 |

¹⁾ Only in conjunction with reduced-backlash version

Selection and ordering data

| <i>i</i> | <i>n</i> ₂ rpm | <i>T</i> _{2N} Nm | <i>F</i> _{R2} N | φ ¹⁾ | <i>J</i> _G 10 ⁻⁴ kgm ² | <i>R</i> _{ex} | Motor frame size | | | | | | | | | | Article No. (Article No. supplement, see below) |
|---------------|------------------------------|------------------------------|-----------------------------|-------------------------|---|------------------------|------------------|----|----|----|-----|-----|-----|-----|-----|-----|--|
| | | | | | | | 63 | 71 | 80 | 90 | 100 | 112 | 132 | 160 | 180 | 200 | |
| K.49 | | | | | | | | | | | | | | | | | |
| 200.25 | 7.2 | 420 | 7820 | 6.7 | 0.06 | 12616/63 | ✓ | ✓ | | | | | | | | | 2KJ3505 - ■■■■■■ - ■■ J2 |
| 178.06 | 8.1 | 420 | 7820 | 6.8 | 0.07 | 6232/35 | ✓ | ✓ | ✓ | ✓ | | | | | | | 2KJ3505 - ■■■■■■ - ■■ H2 |
| 156.34 | 9.3 | 420 | 7820 | 6.8 | 0.08 | 5472/35 | ✓ | ✓ | ✓ | ✓ | | | | | | | 2KJ3505 - ■■■■■■ - ■■ G2 |
| 142.13 | 10 | 420 | 7820 | 6.8 | 0.10 | 10944/77 | ✓ | ✓ | ✓ | ✓ | | | | | | | 2KJ3505 - ■■■■■■ - ■■ F2 |
| 121.60 | 12 | 420 | 7820 | 6.8 | 0.12 | 608/5 | ✓ | ✓ | ✓ | ✓ | | | | | | | 2KJ3505 - ■■■■■■ - ■■ E2 |
| 110.55 | 13 | 420 | 7820 | 6.8 | 0.14 | 1216/11 | ✓ | ✓ | ✓ | ✓ | | | | | | | 2KJ3505 - ■■■■■■ - ■■ D2 |
| 97.71 | 15 | 420 | 7710 | 6.8 | 0.17 | 684/7 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | 2KJ3505 - ■■■■■■ - ■■ C2 |
| 88.83 | 16 | 420 | 7370 | 6.8 | 0.22 | 6840/77 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | 2KJ3505 - ■■■■■■ - ■■ B2 |
| 77.81 | 19 | 420 | 6910 | 6.9 | 0.25 | 1634/21 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | 2KJ3505 - ■■■■■■ - ■■ A2 |
| 71.82 | 20 | 420 | 6640 | 6.9 | 0.30 | 6536/91 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | 2KJ3505 - ■■■■■■ - ■■ X1 |
| 63.59 | 23 | 420 | 6250 | 6.9 | 0.37 | 3116/49 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | 2KJ3505 - ■■■■■■ - ■■ W1 |
| 52.93 | 27 | 420 | 5680 | 7.0 | 0.50 | 741/14 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | 2KJ3505 - ■■■■■■ - ■■ V1 |
| 49.82 | 29 | 420 | 5500 | 7.0 | 0.58 | 5928/119 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | 2KJ3505 - ■■■■■■ - ■■ U1 |
| 44.63 | 32 | 420 | 5190 | 7.0 | 0.65 | 2812/63 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | 2KJ3505 - ■■■■■■ - ■■ T1 |
| 38.00 | 38 | 420 | 4740 | 7.1 | 0.84 | 38/1 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | 2KJ3505 - ■■■■■■ - ■■ S1 |
| 32.57 | 45 | 420 | 4340 | 7.1 | 1.11 | 228/7 | | | ✓ | ✓ | ✓ | ✓ | ✓ | | | | 2KJ3505 - ■■■■■■ - ■■ R1 |
| 28.05 | 52 | 420 | 3970 | 7.2 | 1.43 | 589/21 | | | ✓ | ✓ | ✓ | ✓ | ✓ | | | | 2KJ3505 - ■■■■■■ - ■■ Q1 |
| 26.30 | 55 | 420 | 3820 | 8.6 | 0.52 | 55040/2093 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | 2KJ3505 - ■■■■■■ - ■■ P1 |
| 23.28 | 62 | 420 | 3540 | 8.7 | 0.65 | 26240/1127 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | 2KJ3505 - ■■■■■■ - ■■ N1 |
| 19.38 | 75 | 420 | 3130 | 8.8 | 0.90 | 3120/161 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | 2KJ3505 - ■■■■■■ - ■■ M1 |
| 18.24 | 79 | 420 | 3000 | 8.8 | 1.03 | 49920/2737 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | 2KJ3505 - ■■■■■■ - ■■ L1 |
| 16.34 | 89 | 420 | 2780 | 9.0 | 1.21 | 23680/1449 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | 2KJ3505 - ■■■■■■ - ■■ K1 |
| 13.91 | 104 | 420 | 2880 | 9.1 | 1.62 | 320/23 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | 2KJ3505 - ■■■■■■ - ■■ J1 |
| 11.93 | 122 | 420 | 3000 | 9.3 | 2.20 | 1920/161 | | | ✓ | ✓ | ✓ | ✓ | ✓ | | | | 2KJ3505 - ■■■■■■ - ■■ H1 |
| 10.27 | 141 | 415 | 3080 | 9.5 | 2.90 | 4960/483 | | | ✓ | ✓ | ✓ | ✓ | ✓ | | | | 2KJ3505 - ■■■■■■ - ■■ G1 |
| 9.75 | 149 | 275 | 2960 | 14.2 | 1.03 | 39/4 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | 2KJ3505 - ■■■■■■ - ■■ F1 |
| 9.18 | 158 | 270 | 2980 | 14.2 | 1.19 | 156/17 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | 2KJ3505 - ■■■■■■ - ■■ E1 |
| 8.22 | 176 | 255 | 3010 | 14.5 | 1.40 | 74/9 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | 2KJ3505 - ■■■■■■ - ■■ D1 |
| 7.00 | 207 | 240 | 3030 | 14.8 | 1.88 | 7/1 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | 2KJ3505 - ■■■■■■ - ■■ C1 |
| 6.00 | 242 | 225 | 3020 | 15.2 | 2.50 | 6/1 | | | ✓ | ✓ | ✓ | ✓ | ✓ | | | | 2KJ3505 - ■■■■■■ - ■■ B1 |
| 5.17 | 280 | 210 | 2990 | 15.4 | 3.30 | 31/6 | | | ✓ | ✓ | ✓ | ✓ | ✓ | | | | 2KJ3505 - ■■■■■■ - ■■ A1 |

Article No. supplement

| | | |
|--|------------------------|--------------------------------|
| Shaft design | 1 or 9 | see page 10/51 |
| Motor frame size, motor type, efficiency class | | see chapter 9 |
| Frequency and voltage | 2 or 9 | see page 11/2 |
| Gearbox mounting type | A, F, H, C or D | see page 10/42 |

¹⁾ Only in conjunction with reduced-backlash version

SIMOGEAR geared motors

Bevel geared motors

Transmission ratios and torques

Selection and ordering data

| i | n ₂ rpm | T _{2N} Nm | F _{R2} N | φ ¹⁾ | J _G 10 ⁻⁴ kgm ² | P _{ex} | Motor frame size | | | | | | | | | | | Article No. (Article No. supplement, see below) |
|---------------|-----------------------|-----------------------|----------------------|-----------------|--|-----------------|------------------|----|----|----|-----|-----|-----|-----|-----|--------------------------|-----|--|
| | | | | | | | 63 | 71 | 80 | 90 | 100 | 112 | 132 | 160 | 180 | 200 | 225 | |
| K.69 | | | | | | | | | | | | | | | | | | |
| 196.59 | 7.4 | 600 | 10800 | 6.4 | 0.17 | 14744/75 | ✓ | ✓ | ✓ | ✓ | | | | | | 2KJ3507 - ■■■■■■ - ■■ H2 | | |
| 178.72 | 8.1 | 600 | 10800 | 6.4 | 0.20 | 29488/165 | ✓ | ✓ | ✓ | ✓ | | | | | | 2KJ3507 - ■■■■■■ - ■■ G2 | | |
| 152.00 | 9.5 | 600 | 10800 | 6.4 | 0.25 | 152/1 | ✓ | ✓ | ✓ | ✓ | | | | | | 2KJ3507 - ■■■■■■ - ■■ F2 | | |
| 138.18 | 10 | 600 | 10800 | 6.4 | 0.30 | 1520/11 | ✓ | ✓ | ✓ | ✓ | | | | | | 2KJ3507 - ■■■■■■ - ■■ E2 | | |
| 123.29 | 12 | 600 | 10800 | 6.4 | 0.35 | 5548/45 | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | 2KJ3507 - ■■■■■■ - ■■ D2 | | |
| 110.55 | 13 | 600 | 10800 | 6.4 | 0.42 | 1216/11 | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | 2KJ3507 - ■■■■■■ - ■■ C2 | | |
| 99.64 | 15 | 600 | 10800 | 6.4 | 0.49 | 4484/45 | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | 2KJ3507 - ■■■■■■ - ■■ B2 | | |
| 91.98 | 16 | 600 | 10600 | 6.4 | 0.58 | 17936/195 | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | 2KJ3507 - ■■■■■■ - ■■ A2 | | |
| 83.96 | 17 | 600 | 10100 | 6.4 | 0.69 | 8816/105 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | 2KJ3507 - ■■■■■■ - ■■ X1 | | |
| 69.67 | 21 | 600 | 9300 | 6.5 | 0.87 | 209/3 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | 2KJ3507 - ■■■■■■ - ■■ W1 | | |
| 65.57 | 22 | 600 | 9030 | 6.5 | 1.01 | 3344/51 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | 2KJ3507 - ■■■■■■ - ■■ V1 | | |
| 61.93 | 23 | 600 | 8770 | 6.5 | 1.15 | 1672/27 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | 2KJ3507 - ■■■■■■ - ■■ U1 | | |
| 52.69 | 28 | 600 | 8090 | 6.5 | 1.40 | 3952/75 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | 2KJ3507 - ■■■■■■ - ■■ T1 | | |
| 45.14 | 32 | 600 | 7470 | 6.5 | 1.70 | 7448/165 | | | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3507 - ■■■■■■ - ■■ S1 | | |
| 39.69 | 37 | 600 | 6980 | 6.5 | 2.10 | 1786/45 | | | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3507 - ■■■■■■ - ■■ R1 | | |
| 33.48 | 43 | 580 | 6500 | 6.5 | 2.60 | 11552/345 | | | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3507 - ■■■■■■ - ■■ Q1 | | |
| 29.18 | 50 | 555 | 6200 | 6.5 | 3.50 | 3648/125 | | | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3507 - ■■■■■■ - ■■ P1 | | |
| 26.05 | 56 | 600 | 5500 | 7.8 | 1.25 | 3751/144 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3507 - ■■■■■■ - ■■ N1 | | |
| 24.52 | 59 | 595 | 5340 | 7.8 | 1.44 | 3751/153 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3507 - ■■■■■■ - ■■ M1 | | |
| 23.15 | 63 | 585 | 5230 | 7.8 | 1.63 | 3751/162 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3507 - ■■■■■■ - ■■ L1 | | |
| 19.70 | 74 | 555 | 4950 | 8.0 | 2.10 | 4433/225 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3507 - ■■■■■■ - ■■ K1 | | |
| 16.88 | 86 | 530 | 4680 | 8.0 | 2.60 | 1519/90 | | | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3507 - ■■■■■■ - ■■ J1 | | |
| 14.84 | 98 | 515 | 4430 | 8.0 | 3.30 | 16027/1080 | | | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3507 - ■■■■■■ - ■■ H1 | | |
| 12.52 | 116 | 490 | 4170 | 8.0 | 4.30 | 12958/1035 | | | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3507 - ■■■■■■ - ■■ G1 | | |
| 10.91 | 133 | 470 | 3960 | 8.0 | 5.70 | 1364/125 | | | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3507 - ■■■■■■ - ■■ F1 | | |
| 9.34 | 155 | 370 | 3640 | 13.0 | 2.40 | 3224/345 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3507 - ■■■■■■ - ■■ E1 | | |
| 8.01 | 181 | 365 | 3330 | 13.0 | 3.10 | 6076/759 | | | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3507 - ■■■■■■ - ■■ D1 | | |
| 7.04 | 206 | 365 | 3210 | 13.0 | 3.90 | 1457/207 | | | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3507 - ■■■■■■ - ■■ C1 | | |
| 5.94 | 244 | 345 | 3350 | 13.0 | 5.10 | 9424/1587 | | | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3507 - ■■■■■■ - ■■ B1 | | |
| 5.18 | 280 | 330 | 3420 | 13.0 | 6.80 | 2976/575 | | | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3507 - ■■■■■■ - ■■ A1 | | |

Article No. supplement

Shaft design **1 or 9** [see page 10/51](#)Motor frame size, motor type, efficiency class [see chapter 9](#)Frequency and voltage **2 or 9** [see page 11/2](#)Gearbox mounting type **A, F, H, C or D** [see page 10/42](#)¹⁾ Only in conjunction with reduced-backlash version

Selection and ordering data

| <i>i</i> | <i>n</i> ₂ rpm | <i>T</i> _{2N} Nm | <i>F</i> _{R2} N | φ ¹⁾ | <i>J</i> _G 10 ⁻⁴ kgm ² | <i>R</i> _{ex} | Motor frame size | | | | | | | | | | | Article No. (Article No. supplement, see below) |
|---------------|------------------------------|------------------------------|-----------------------------|-------------------------|---|------------------------|------------------|----|----|----|-----|-----|-----|-----|-----|--------------------------|-----|--|
| | | | | | | | 63 | 71 | 80 | 90 | 100 | 112 | 132 | 160 | 180 | 200 | 225 | |
| K.79 | | | | | | | | | | | | | | | | | | |
| 244.25 | 5.9 | 820 | 13900 | 5.7 | 0.17 | 175861/720 | ✓ | ✓ | ✓ | ✓ | | | | | | 2KJ3508 - ■■■■■■ - ■■ J2 | | |
| 222.05 | 6.5 | 820 | 13900 | 5.7 | 0.20 | 175861/792 | ✓ | ✓ | ✓ | ✓ | | | | | | 2KJ3508 - ■■■■■■ - ■■ H2 | | |
| 188.85 | 7.7 | 820 | 13900 | 5.7 | 0.25 | 9065/48 | ✓ | ✓ | ✓ | ✓ | | | | | | 2KJ3508 - ■■■■■■ - ■■ G2 | | |
| 171.69 | 8.4 | 820 | 13900 | 5.7 | 0.31 | 45325/264 | ✓ | ✓ | ✓ | ✓ | | | | | | 2KJ3508 - ■■■■■■ - ■■ F2 | | |
| 153.18 | 9.5 | 820 | 13900 | 5.8 | 0.35 | 132349/864 | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | 2KJ3508 - ■■■■■■ - ■■ E2 | | |
| 137.35 | 11 | 820 | 13900 | 5.8 | 0.42 | 9065/66 | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | 2KJ3508 - ■■■■■■ - ■■ D2 | | |
| 123.80 | 12 | 820 | 13900 | 5.8 | 0.50 | 106967/864 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | 2KJ3508 - ■■■■■■ - ■■ C2 | | |
| 114.28 | 13 | 820 | 13900 | 5.8 | 0.59 | 106967/936 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | 2KJ3508 - ■■■■■■ - ■■ B2 | | |
| 104.32 | 14 | 820 | 13900 | 5.8 | 0.70 | 7511/72 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3508 - ■■■■■■ - ■■ A2 | | |
| 86.56 | 17 | 820 | 13900 | 5.8 | 0.89 | 99715/1152 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3508 - ■■■■■■ - ■■ X1 | | |
| 81.47 | 18 | 820 | 13900 | 5.8 | 1.02 | 99715/1224 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3508 - ■■■■■■ - ■■ W1 | | |
| 76.94 | 19 | 820 | 13900 | 5.8 | 1.16 | 99715/1296 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3508 - ■■■■■■ - ■■ V1 | | |
| 65.47 | 22 | 820 | 13900 | 5.9 | 1.42 | 23569/360 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3508 - ■■■■■■ - ■■ U1 | | |
| 56.08 | 26 | 820 | 13900 | 5.9 | 1.73 | 88837/1584 | | | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3508 - ■■■■■■ - ■■ T1 | | |
| 49.31 | 29 | 820 | 13900 | 5.9 | 2.10 | 85211/1728 | | | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3508 - ■■■■■■ - ■■ S1 | | |
| 41.60 | 35 | 800 | 14000 | 6.0 | 2.70 | 34447/828 | | | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3508 - ■■■■■■ - ■■ R1 | | |
| 36.26 | 40 | 770 | 14000 | 6.1 | 3.60 | 1813/50 | | | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3508 - ■■■■■■ - ■■ Q1 | | |
| 32.78 | 44 | 820 | 13900 | 7.2 | 0.94 | 6293/192 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3508 - ■■■■■■ - ■■ P1 | | |
| 27.20 | 53 | 800 | 14000 | 7.3 | 1.23 | 83545/3072 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3508 - ■■■■■■ - ■■ N1 | | |
| 25.60 | 57 | 785 | 14000 | 7.3 | 1.41 | 83545/3264 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3508 - ■■■■■■ - ■■ M1 | | |
| 24.17 | 60 | 770 | 14000 | 7.3 | 1.60 | 83545/3456 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3508 - ■■■■■■ - ■■ L1 | | |
| 20.57 | 70 | 740 | 14100 | 7.4 | 2.00 | 19747/960 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3508 - ■■■■■■ - ■■ K1 | | |
| 17.62 | 82 | 715 | 13800 | 7.5 | 2.60 | 74431/4224 | | | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3508 - ■■■■■■ - ■■ J1 | | |
| 15.49 | 94 | 695 | 13300 | 7.6 | 3.20 | 71393/4608 | | | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3508 - ■■■■■■ - ■■ H1 | | |
| 13.07 | 111 | 665 | 12600 | 7.8 | 4.20 | 28861/2208 | | | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3508 - ■■■■■■ - ■■ G1 | | |
| 11.39 | 127 | 645 | 12000 | 8.3 | 5.50 | 4557/400 | | | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3508 - ■■■■■■ - ■■ F1 | | |
| 10.51 | 138 | 445 | 12600 | 10.4 | 2.30 | 1209/115 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3508 - ■■■■■■ - ■■ E1 | | |
| 9.01 | 161 | 450 | 11900 | 10.6 | 3.00 | 4557/506 | | | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3508 - ■■■■■■ - ■■ D1 | | |
| 7.92 | 183 | 450 | 11300 | 10.8 | 3.70 | 1457/184 | | | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3508 - ■■■■■■ - ■■ C1 | | |
| 6.68 | 217 | 455 | 10900 | 11.1 | 4.90 | 3534/529 | | | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3508 - ■■■■■■ - ■■ B1 | | |
| 5.82 | 249 | 430 | 10700 | 12.1 | 6.60 | 3348/575 | | | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3508 - ■■■■■■ - ■■ A1 | | |

Article No. supplement

| | | |
|--|------------------------|--------------------------------|
| Shaft design | 1 or 9 | see page 10/51 |
| Motor frame size, motor type, efficiency class | | see chapter 9 |
| Frequency and voltage | 2 or 9 | see page 11/2 |
| Gearbox mounting type | A, F, H, C or D | see page 10/42 |

¹⁾ Only in conjunction with reduced-backlash version

SIMOGEAR geared motors

Bevel geared motors

Transmission ratios and torques

Selection and ordering data

| i | n ₂ rpm | T _{2N} Nm | F _{R2} N | φ ¹⁾ | J _G 10 ⁻⁴ kgm ² | P _{ex} | Motor frame size | | | | | | | | | | | Article No. (Article No. supplement, see below) |
|---------------|-----------------------|-----------------------|----------------------|-----------------|--|-----------------|------------------|----|----|----|-----|-----|-----|-----|-----|--------------------------|-----|--|
| | | | | | | | 63 | 71 | 80 | 90 | 100 | 112 | 132 | 160 | 180 | 200 | 225 | |
| K.89 | | | | | | | | | | | | | | | | | | |
| 231.80 | 6.3 | 1600 | 18100 | 5.6 | 0.42 | 10199/44 | ✓ | ✓ | ✓ | | | | | | | 2KJ3510 - ■■■■■■ - ■■ K2 | | |
| 210.72 | 6.9 | 1600 | 18100 | 5.6 | 0.51 | 50995/242 | ✓ | ✓ | ✓ | | | | | | | 2KJ3510 - ■■■■■■ - ■■ J2 | | |
| 189.01 | 7.7 | 1600 | 18100 | 5.6 | 0.71 | 149695/792 | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | 2KJ3510 - ■■■■■■ - ■■ H2 | | |
| 169.94 | 8.5 | 1600 | 18100 | 5.6 | 0.80 | 41125/242 | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | 2KJ3510 - ■■■■■■ - ■■ G2 | | |
| 153.70 | 9.4 | 1600 | 18100 | 5.6 | 0.88 | 60865/396 | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | 2KJ3510 - ■■■■■■ - ■■ F2 | | |
| 141.88 | 10 | 1600 | 18100 | 5.6 | 1.05 | 60865/429 | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | 2KJ3510 - ■■■■■■ - ■■ E2 | | |
| 129.96 | 11 | 1600 | 18100 | 5.6 | 1.37 | 17155/132 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3510 - ■■■■■■ - ■■ D2 | | |
| 109.04 | 13 | 1600 | 18100 | 5.6 | 1.45 | 57575/528 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3510 - ■■■■■■ - ■■ C2 | | |
| 102.63 | 14 | 1600 | 18100 | 5.6 | 1.66 | 57575/561 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3510 - ■■■■■■ - ■■ B2 | | |
| 94.16 | 15 | 1600 | 18100 | 5.6 | 1.81 | 27965/297 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3510 - ■■■■■■ - ■■ A2 | | |
| 82.25 | 18 | 1600 | 18100 | 5.6 | 2.60 | 329/4 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3510 - ■■■■■■ - ■■ X1 | | |
| 73.64 | 20 | 1600 | 18100 | 5.6 | 3.20 | 106925/1452 | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3510 - ■■■■■■ - ■■ W1 | | |
| 64.39 | 23 | 1600 | 18100 | 5.6 | 3.70 | 50995/792 | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3510 - ■■■■■■ - ■■ V1 | | |
| 55.27 | 26 | 1600 | 18100 | 5.6 | 4.10 | 27965/506 | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3510 - ■■■■■■ - ■■ U1 | | |
| 48.85 | 30 | 1600 | 18100 | 5.6 | 5.20 | 16121/330 | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3510 - ■■■■■■ - ■■ T1 | | |
| 41.54 | 35 | 1570 | 18100 | 5.6 | 6.60 | 8225/198 | | | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3510 - ■■■■■■ - ■■ S1 | | |
| 39.29 | 37 | 1600 | 18100 | 7.0 | 1.86 | 11315/288 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3510 - ■■■■■■ - ■■ R1 | | |
| 32.96 | 44 | 1600 | 18100 | 7.0 | 2.10 | 37975/1152 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3510 - ■■■■■■ - ■■ Q1 | | |
| 31.03 | 47 | 1600 | 18100 | 7.0 | 2.40 | 37975/1224 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3510 - ■■■■■■ - ■■ P1 | | |
| 28.46 | 51 | 1600 | 18100 | 7.0 | 2.70 | 18445/648 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3510 - ■■■■■■ - ■■ N1 | | |
| 24.86 | 58 | 1600 | 18100 | 7.1 | 3.80 | 2387/96 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3510 - ■■■■■■ - ■■ M1 | | |
| 22.26 | 65 | 1600 | 18100 | 7.1 | 4.70 | 70525/3168 | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3510 - ■■■■■■ - ■■ L1 | | |
| 19.46 | 75 | 1560 | 17900 | 7.1 | 5.70 | 33635/1728 | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3510 - ■■■■■■ - ■■ K1 | | |
| 16.71 | 87 | 1480 | 17200 | 7.1 | 6.80 | 18445/1104 | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3510 - ■■■■■■ - ■■ J1 | | |
| 14.77 | 98 | 1420 | 16600 | 7.1 | 8.60 | 10633/720 | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3510 - ■■■■■■ - ■■ H1 | | |
| 12.56 | 115 | 1330 | 16300 | 7.1 | 11.00 | 5425/432 | | | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3510 - ■■■■■■ - ■■ G1 | | |
| 10.76 | 135 | 1250 | 16100 | 7.1 | 15.00 | 775/72 | | | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3510 - ■■■■■■ - ■■ F1 | | |
| 10.51 | 138 | 845 | 16100 | 10.8 | 6.40 | 6727/640 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3510 - ■■■■■■ - ■■ E1 | | |
| 9.02 | 161 | 800 | 15400 | 10.8 | 7.70 | 33201/3680 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3510 - ■■■■■■ - ■■ D1 | | |
| 7.97 | 182 | 770 | 14800 | 10.8 | 9.80 | 31899/4000 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3510 - ■■■■■■ - ■■ C1 | | |
| 6.78 | 214 | 720 | 14500 | 10.8 | 13.00 | 217/32 | | | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3510 - ■■■■■■ - ■■ B1 | | |
| 5.81 | 250 | 675 | 14200 | 10.8 | 17.00 | 93/16 | | | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3510 - ■■■■■■ - ■■ A1 | | |

Article No. supplement

| | | |
|--|------------------------|--------------------------------|
| Shaft design | 1 or 9 | see page 10/51 |
| Motor frame size, motor type, efficiency class | | see chapter 9 |
| Frequency and voltage | 2 or 9 | see page 11/2 |
| Gearbox mounting type | A, F, H, C or D | see page 10/42 |

¹⁾ Only in conjunction with reduced-backlash version

Selection and ordering data

| <i>i</i> | n_2 rpm | T_{2N} Nm | F_{R2} N | $\varphi^{1)}$ | J_G 10^{-4} kgm ² | R_{ex} | Motor frame size | | | | | | | | | | | Article No. (Article No. supplement, see below) |
|---------------|--------------|----------------|---------------|----------------|--|-------------|------------------|----|----|----|-----|-----|-----|-----|-----|-----|-----|--|
| | | | | | | | 63 | 71 | 80 | 90 | 100 | 112 | 132 | 160 | 180 | 200 | 225 | |
| K.109 | | | | | | | | | | | | | | | | | | |
| 216.65 | 6.7 | 2900 | 24500 | 5.6 | 1.27 | 107242/495 | | | ✓ | ✓ | ✓ | ✓ | | | | | | 2KJ3511 - ■■■■■■ - ■■ H2 |
| 195.60 | 7.4 | 2900 | 24500 | 5.6 | 1.37 | 118336/605 | | | ✓ | ✓ | ✓ | ✓ | | | | | | 2KJ3511 - ■■■■■■ - ■■ G2 |
| 177.43 | 8.2 | 2900 | 24500 | 5.6 | 1.61 | 35131/198 | | | ✓ | ✓ | ✓ | ✓ | | | | | | 2KJ3511 - ■■■■■■ - ■■ F2 |
| 163.78 | 8.9 | 2900 | 24500 | 5.6 | 1.9 | 70262/429 | | | ✓ | ✓ | ✓ | ✓ | | | | | | 2KJ3511 - ■■■■■■ - ■■ E2 |
| 148.88 | 9.7 | 2900 | 24500 | 5.6 | 2.2 | 57319/385 | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | 2KJ3511 - ■■■■■■ - ■■ D2 |
| 126.07 | 12 | 2900 | 24500 | 5.6 | 2.6 | 5547/44 | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | 2KJ3511 - ■■■■■■ - ■■ C2 |
| 118.65 | 12 | 2900 | 24500 | 5.6 | 2.6 | 22188/187 | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | 2KJ3511 - ■■■■■■ - ■■ B2 |
| 109.57 | 13 | 2900 | 24500 | 5.6 | 4.1 | 14792/135 | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | 2KJ3511 - ■■■■■■ - ■■ A2 |
| 97.49 | 15 | 2900 | 24500 | 5.6 | 5.0 | 53621/550 | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | 2KJ3511 - ■■■■■■ - ■■ X1 |
| 86.59 | 17 | 2900 | 24500 | 5.7 | 6.0 | 31433/363 | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | 2KJ3511 - ■■■■■■ - ■■ W1 |
| 77.51 | 19 | 2900 | 24500 | 5.7 | 5.9 | 153467/1980 | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | 2KJ3511 - ■■■■■■ - ■■ V1 |
| 66.26 | 22 | 2900 | 24500 | 5.7 | 6.8 | 251464/3795 | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | 2KJ3511 - ■■■■■■ - ■■ U1 |
| 59.17 | 25 | 2900 | 24500 | 5.8 | 8.6 | 7396/125 | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3511 - ■■■■■■ - ■■ T1 |
| 52.29 | 28 | 2900 | 24500 | 5.8 | 9.7 | 25886/495 | | | | ✓ | ✓ | ✓ | ✓ | ✓ | | | | 2KJ3511 - ■■■■■■ - ■■ S1 |
| 45.89 | 32 | 2900 | 24500 | 5.8 | 14 | 159014/3465 | | | | ✓ | ✓ | ✓ | ✓ | ✓ | | | | 2KJ3511 - ■■■■■■ - ■■ R1 |
| 39.95 | 36 | 2820 | 23900 | 5.8 | 17 | 151618/3795 | | | | ✓ | ✓ | ✓ | ✓ | ✓ | | | | 2KJ3511 - ■■■■■■ - ■■ Q1 |
| 34.15 | 42 | 2710 | 22700 | 5.8 | 21 | 118336/3465 | | | | ✓ | ✓ | ✓ | ✓ | ✓ | | | | 2KJ3511 - ■■■■■■ - ■■ P1 |
| 29.23 | 50 | 2620 | 21500 | 5.8 | 27 | 7396/253 | | | | ✓ | ✓ | ✓ | ✓ | ✓ | | | | 2KJ3511 - ■■■■■■ - ■■ N1 |
| 24.98 | 58 | 2380 | 21000 | 6.9 | 9.9 | 163744/6555 | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | 2KJ3511 - ■■■■■■ - ■■ M1 |
| 22.31 | 65 | 2380 | 20000 | 7.1 | 13 | 52976/2375 | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | 2KJ3511 - ■■■■■■ - ■■ L1 |
| 19.71 | 74 | 2380 | 18900 | 7.1 | 15 | 16856/855 | | | | ✓ | ✓ | ✓ | ✓ | ✓ | | | | 2KJ3511 - ■■■■■■ - ■■ K1 |
| 17.30 | 84 | 2400 | 17800 | 7.1 | 20 | 14792/855 | | | | ✓ | ✓ | ✓ | ✓ | ✓ | | | | 2KJ3511 - ■■■■■■ - ■■ J1 |
| 15.06 | 96 | 2310 | 17500 | 7.1 | 25 | 98728/6555 | | | | ✓ | ✓ | ✓ | ✓ | ✓ | | | | 2KJ3511 - ■■■■■■ - ■■ H1 |
| 12.87 | 113 | 2200 | 17500 | 7.1 | 33 | 11008/855 | | | | ✓ | ✓ | ✓ | ✓ | ✓ | | | | 2KJ3511 - ■■■■■■ - ■■ G1 |
| 11.02 | 132 | 2100 | 17400 | 7.2 | 43 | 4816/437 | | | | ✓ | ✓ | ✓ | ✓ | ✓ | | | | 2KJ3511 - ■■■■■■ - ■■ F1 |
| 10.45 | 139 | 1260 | 17600 | 10.8 | 17 | 784/75 | | | | ✓ | ✓ | ✓ | ✓ | ✓ | | | | 2KJ3511 - ■■■■■■ - ■■ E1 |
| 9.17 | 158 | 1270 | 16700 | 10.8 | 23 | 688/75 | | | | ✓ | ✓ | ✓ | ✓ | ✓ | | | | 2KJ3511 - ■■■■■■ - ■■ D1 |
| 7.99 | 181 | 1280 | 16300 | 10.8 | 29 | 4592/575 | | | | ✓ | ✓ | ✓ | ✓ | ✓ | | | | 2KJ3511 - ■■■■■■ - ■■ C1 |
| 6.83 | 212 | 1300 | 16000 | 10.8 | 38 | 512/75 | | | | ✓ | ✓ | ✓ | ✓ | ✓ | | | | 2KJ3511 - ■■■■■■ - ■■ B1 |
| 5.84 | 248 | 1300 | 15700 | 11.0 | 49 | 672/115 | | | | ✓ | ✓ | ✓ | ✓ | ✓ | | | | 2KJ3511 - ■■■■■■ - ■■ A1 |

Article No. supplement

| | | |
|--|------------------------|--------------------------------|
| Shaft design | 1 or 9 | see page 10/51 |
| Motor frame size, motor type, efficiency class | | see chapter 9 |
| Frequency and voltage | 2 or 9 | see page 11/2 |
| Gearbox mounting type | A, F, H, C or D | see page 10/42 |

¹⁾ Only in conjunction with reduced-backlash version

SIMOGEAR geared motors

Bevel geared motors

Transmission ratios and torques

Selection and ordering data

| i | n ₂ rpm | T _{2N} Nm | F _{R2} N | φ ¹⁾ | J _G 10 ⁻⁴ kgm ² | R _{ex} | Motor frame size | | | | | | | | | | Article No. (Article No. supplement, see below) |
|---------------|-----------------------|-----------------------|----------------------|-----------------|--|-----------------|------------------|----|----|----|-----|-----|-----|-----|-----|-----|--|
| | | | | | | | 63 | 71 | 80 | 90 | 100 | 112 | 132 | 160 | 180 | 200 | |
| K.129 | | | | | | | | | | | | | | | | | |
| 228.30 | 6.4 | 4400 | 37600 | 6.3 | 3.3 | 30821/135 | | | ✓ | ✓ | ✓ | | | | | | 2KJ3512 - ■■■■■■ - ■■ J2 |
| 210.74 | 6.9 | 4400 | 37600 | 6.3 | 3.9 | 123284/585 | | | ✓ | ✓ | ✓ | | | | | | 2KJ3512 - ■■■■■■ - ■■ H2 |
| 194.04 | 7.5 | 4400 | 37600 | 6.3 | 4.5 | 8732/45 | | | ✓ | ✓ | ✓ | ✓ | ✓ | | | | 2KJ3512 - ■■■■■■ - ■■ G2 |
| 165.47 | 8.8 | 4400 | 37600 | 6.3 | 5.6 | 5957/36 | | | ✓ | ✓ | ✓ | ✓ | ✓ | | | | 2KJ3512 - ■■■■■■ - ■■ F2 |
| 155.74 | 9.3 | 4400 | 37600 | 6.3 | 6.4 | 23828/153 | | | ✓ | ✓ | ✓ | ✓ | ✓ | | | | 2KJ3512 - ■■■■■■ - ■■ E2 |
| 144.53 | 10 | 4400 | 37600 | 6.3 | 7.0 | 58534/405 | | | ✓ | ✓ | ✓ | ✓ | ✓ | | | | 2KJ3512 - ■■■■■■ - ■■ D2 |
| 127.77 | 11 | 4400 | 37600 | 6.3 | 8.4 | 9583/75 | | | ✓ | ✓ | ✓ | ✓ | ✓ | | | | 2KJ3512 - ■■■■■■ - ■■ C2 |
| 114.06 | 13 | 4400 | 37600 | 6.3 | 10 | 56462/495 | | | ✓ | ✓ | ✓ | ✓ | ✓ | | | | 2KJ3512 - ■■■■■■ - ■■ B2 |
| 102.64 | 14 | 4400 | 37600 | 6.3 | 12 | 27713/270 | | | ✓ | ✓ | ✓ | ✓ | ✓ | | | | 2KJ3512 - ■■■■■■ - ■■ A2 |
| 89.09 | 16 | 4400 | 37600 | 6.3 | 14 | 92204/1035 | | | ✓ | ✓ | ✓ | ✓ | ✓ | | | | 2KJ3512 - ■■■■■■ - ■■ X1 |
| 80.12 | 18 | 4400 | 37600 | 6.3 | 17 | 30044/375 | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3512 - ■■■■■■ - ■■ W1 |
| 70.03 | 21 | 4400 | 37600 | 6.3 | 19 | 18907/270 | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3512 - ■■■■■■ - ■■ V1 |
| 62.49 | 23 | 4400 | 36200 | 6.4 | 23 | 2812/45 | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | 2KJ3512 - ■■■■■■ - ■■ U1 |
| 55.05 | 26 | 4400 | 34300 | 6.4 | 27 | 11396/207 | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | 2KJ3512 - ■■■■■■ - ■■ T1 |
| 48.24 | 30 | 4400 | 32400 | 6.4 | 33 | 6512/135 | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | 2KJ3512 - ■■■■■■ - ■■ S1 |
| 42.04 | 34 | 4400 | 30500 | 6.4 | 39 | 14504/345 | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | 2KJ3512 - ■■■■■■ - ■■ R1 |
| 38.37 | 38 | 4400 | 29200 | 6.9 | 45 | 1036/27 | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | 2KJ3512 - ■■■■■■ - ■■ Q1 |
| 33.03 | 44 | 4400 | 27300 | 7.0 | 55 | 11396/345 | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | | 2KJ3512 - ■■■■■■ - ■■ P1 |
| 31.55 | 46 | 4400 | 26700 | 7.0 | 23 | 3944/125 | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3512 - ■■■■■■ - ■■ N1 |
| 27.58 | 53 | 4400 | 25000 | 7.0 | 27 | 1241/45 | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3512 - ■■■■■■ - ■■ M1 |
| 24.61 | 59 | 4400 | 23700 | 7.1 | 33 | 2584/105 | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | 2KJ3512 - ■■■■■■ - ■■ L1 |
| 21.68 | 67 | 4270 | 22700 | 7.1 | 40 | 1496/69 | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | 2KJ3512 - ■■■■■■ - ■■ K1 |
| 19.00 | 76 | 4140 | 21700 | 7.1 | 50 | 5984/315 | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | 2KJ3512 - ■■■■■■ - ■■ J1 |
| 16.56 | 88 | 4020 | 20600 | 7.2 | 62 | 1904/115 | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | 2KJ3512 - ■■■■■■ - ■■ H1 |
| 15.11 | 96 | 3940 | 20000 | 7.2 | 72 | 136/9 | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | 2KJ3512 - ■■■■■■ - ■■ G1 |
| 13.01 | 111 | 3810 | 19000 | 7.2 | 91 | 1496/115 | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | | 2KJ3512 - ■■■■■■ - ■■ F1 |
| 11.80 | 123 | 2830 | 21400 | 9.5 | 46 | 119680/10143 | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | 2KJ3512 - ■■■■■■ - ■■ E1 |
| 10.34 | 140 | 2850 | 20100 | 9.6 | 57 | 95744/9261 | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | 2KJ3512 - ■■■■■■ - ■■ D1 |
| 9.01 | 161 | 2760 | 19500 | 9.7 | 71 | 4352/483 | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | 2KJ3512 - ■■■■■■ - ■■ C1 |
| 8.22 | 176 | 2680 | 19500 | 9.8 | 83 | 10880/1323 | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | 2KJ3512 - ■■■■■■ - ■■ B1 |
| 7.08 | 205 | 2530 | 19500 | 9.9 | 107 | 23936/3381 | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | | 2KJ3512 - ■■■■■■ - ■■ A1 |

Article No. supplement

| | | |
|--|------------------------|--------------------------------|
| Shaft design | 1 or 9 | see page 10/51 |
| Motor frame size, motor type, efficiency class | | see chapter 9 |
| Frequency and voltage | 2 or 9 | see page 11/2 |
| Gearbox mounting type | A, F, H, C or D | see page 10/42 |

¹⁾ Only in conjunction with reduced-backlash version

Selection and ordering data

| <i>i</i> | <i>n</i> ₂ rpm | <i>T</i> _{2N} Nm | <i>F</i> _{R2} N | φ ¹⁾ | <i>J</i> _G 10 ⁻⁴ kgm ² | <i>R</i> _{ex} | Motor frame size | | | | | | | | | | | | Article No. (Article No. supplement, see below) |
|---------------|------------------------------|------------------------------|-----------------------------|-------------------------|---|------------------------|------------------|----|----|----|-----|-----|-----|-----|-----|--------------------------|-----|-----|---|
| | | | | | | | 63 | 71 | 80 | 90 | 100 | 112 | 132 | 160 | 180 | 200 | 225 | 250 | |
| K.149 | | | | | | | | | | | | | | | | | | | |
| 237.03 | 6.1 | 8000 | 65000 | 5.3 | 7.1 | 83433/352 | | | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3513 - ■■■■■■ - ■■ J2 | | | |
| 202.86 | 7.1 | 8000 | 65000 | 5.3 | 9.0 | 285621/1408 | | | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3513 - ■■■■■■ - ■■ H2 | | | |
| 190.92 | 7.6 | 8000 | 65000 | 5.3 | 10 | 285621/1496 | | | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3513 - ■■■■■■ - ■■ G2 | | | |
| 178.97 | 8.1 | 8000 | 65000 | 5.3 | 11 | 188993/1056 | | | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3513 - ■■■■■■ - ■■ F2 | | | |
| 158.65 | 9.1 | 8000 | 65000 | 5.3 | 14 | 558453/3520 | | | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3513 - ■■■■■■ - ■■ E2 | | | |
| 140.93 | 10 | 8000 | 64100 | 5.3 | 16 | 17052/121 | | | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3513 - ■■■■■■ - ■■ D2 | | | |
| 127.16 | 11 | 8000 | 61400 | 5.3 | 19 | 89523/704 | | | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3513 - ■■■■■■ - ■■ C2 | | | |
| 112.68 | 13 | 8000 | 58400 | 5.3 | 23 | 456141/4048 | | | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3513 - ■■■■■■ - ■■ B2 | | | |
| 99.79 | 15 | 8000 | 55600 | 5.4 | 26 | 439089/4400 | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | 2KJ3513 - ■■■■■■ - ■■ A2 | | | |
| 88.81 | 16 | 8000 | 52900 | 5.4 | 31 | 1421/16 | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | 2KJ3513 - ■■■■■■ - ■■ X1 | | | |
| 79.59 | 18 | 8000 | 50400 | 5.4 | 37 | 14007/176 | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 2KJ3513 - ■■■■■■ - ■■ W1 | | | |
| 70.56 | 21 | 8000 | 47900 | 5.4 | 43 | 285621/4048 | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 2KJ3513 - ■■■■■■ - ■■ V1 | | | |
| 62.28 | 23 | 8000 | 45300 | 5.4 | 52 | 5481/88 | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 2KJ3513 - ■■■■■■ - ■■ U1 | | | |
| 54.76 | 26 | 8000 | 42700 | 5.4 | 63 | 55419/1012 | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 2KJ3513 - ■■■■■■ - ■■ T1 | | | |
| 49.60 | 29 | 8000 | 40800 | 5.4 | 70 | 8729/176 | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 2KJ3513 - ■■■■■■ - ■■ S1 | | | |
| 43.18 | 34 | 8000 | 38200 | 5.4 | 85 | 174783/4048 | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 2KJ3513 - ■■■■■■ - ■■ R1 | | | |
| 35.40 | 41 | 7850 | 35100 | 5.5 | 110 | 80997/2288 | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 2KJ3513 - ■■■■■■ - ■■ Q1 | | | |
| 32.33 | 45 | 7760 | 33900 | 6.1 | 49 | 12673/392 | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 2KJ3513 - ■■■■■■ - ■■ P1 | | | |
| 28.66 | 51 | 7630 | 32200 | 6.1 | 59 | 36917/1288 | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 2KJ3513 - ■■■■■■ - ■■ N1 | | | |
| 25.30 | 57 | 7420 | 30900 | 6.1 | 73 | 4959/196 | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 2KJ3513 - ■■■■■■ - ■■ M1 | | | |
| 22.25 | 65 | 7210 | 29500 | 6.2 | 89 | 7163/322 | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 2KJ3513 - ■■■■■■ - ■■ L1 | | | |
| 20.15 | 72 | 7070 | 28400 | 6.2 | 103 | 23693/1176 | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 2KJ3513 - ■■■■■■ - ■■ K1 | | | |
| 17.54 | 83 | 6890 | 28500 | 6.3 | 128 | 22591/1288 | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 2KJ3513 - ■■■■■■ - ■■ J1 | | | |
| 14.38 | 101 | 6660 | 29000 | 6.3 | 174 | 10469/728 | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 2KJ3513 - ■■■■■■ - ■■ H1 | | | |
| 14.15 | 102 | 4140 | 31100 | 8.0 | 79 | 17328/1225 | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 2KJ3513 - ■■■■■■ - ■■ G1 | | | |
| 12.44 | 117 | 4030 | 29800 | 8.0 | 97 | 150176/12075 | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 2KJ3513 - ■■■■■■ - ■■ F1 | | | |
| 11.26 | 129 | 3950 | 28800 | 8.1 | 113 | 124184/11025 | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 2KJ3513 - ■■■■■■ - ■■ E1 | | | |
| 9.81 | 148 | 3850 | 28400 | 8.2 | 141 | 118408/12075 | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 2KJ3513 - ■■■■■■ - ■■ D1 | | | |
| 8.04 | 180 | 3720 | 28000 | 8.3 | 194 | 54872/6825 | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 2KJ3513 - ■■■■■■ - ■■ C1 | | | |
| 6.82 | 213 | 3630 | 27500 | 8.4 | 266 | 89528/13125 | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 2KJ3513 - ■■■■■■ - ■■ B1 | | | |

Article No. supplement

| | | |
|--|------------------------|--------------------------------|
| Shaft design | 1 or 9 | see page 10/51 |
| Motor frame size, motor type, efficiency class | | see chapter 9 |
| Frequency and voltage | 2 or 9 | see page 11/2 |
| Gearbox mounting type | A, F, H, C or D | see page 10/42 |

¹⁾ Only in conjunction with reduced-backlash version

SIMOGEAR geared motors

Bevel geared motors

Transmission ratios and torques

Selection and ordering data

| i | n ₂ rpm | T _{2N} Nm | F _{R2} N | φ ¹⁾ | J _G 10 ⁻⁴ kgm ² | P _{ex} | Motor frame size | | | | | | | | | | | | Article No. (Article No. supplement, see below) | | | | | | |
|---------------|-----------------------|-----------------------|----------------------|-----------------|--|-----------------|------------------|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|--|---|--|--|--|--|--------------------------|
| | | | | | | | 63 | 71 | 80 | 90 | 100 | 112 | 132 | 160 | 180 | 200 | 225 | 250 | | | | | | | |
| K.169 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 223.30 | 6.5 | 13000 | 70000 | 5.2 | 18 | 273319/1224 | | | | | ✓ | ✓ | ✓ | ✓ | | | | | | | | | | | 2KJ3514 - ■■■■■■ - ■■ F2 |
| 208.35 | 7.0 | 13000 | 70000 | 5.2 | 20 | 135013/648 | | | | | ✓ | ✓ | ✓ | ✓ | | | | | | | | | | | 2KJ3514 - ■■■■■■ - ■■ E2 |
| 185.23 | 7.8 | 13000 | 70000 | 5.2 | 24 | 29637/160 | | | | | ✓ | ✓ | ✓ | ✓ | | | | | | | | | | | 2KJ3514 - ■■■■■■ - ■■ D2 |
| 166.31 | 8.7 | 13000 | 70000 | 5.2 | 28 | 16465/99 | | | | | ✓ | ✓ | ✓ | ✓ | | | | | | | | | | | 2KJ3514 - ■■■■■■ - ■■ C2 |
| 150.55 | 9.6 | 13000 | 70000 | 5.2 | 33 | 260147/1728 | | | | | ✓ | ✓ | ✓ | ✓ | | | | | | | | | | | 2KJ3514 - ■■■■■■ - ■■ B2 |
| 132.24 | 11 | 13000 | 70000 | 5.2 | 40 | 437969/3312 | | | | | ✓ | ✓ | ✓ | ✓ | | | | | | | | | | | 2KJ3514 - ■■■■■■ - ■■ A2 |
| 119.83 | 12 | 13000 | 70000 | 5.2 | 47 | 431383/3600 | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | | | | | | 2KJ3514 - ■■■■■■ - ■■ X1 |
| 106.72 | 14 | 13000 | 70000 | 5.2 | 54 | 23051/216 | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | | | | | 2KJ3514 - ■■■■■■ - ■■ W1 |
| 95.83 | 15 | 13000 | 70000 | 5.2 | 65 | 36223/378 | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | | | | 2KJ3514 - ■■■■■■ - ■■ V1 |
| 85.51 | 17 | 13000 | 70000 | 5.2 | 75 | 141599/1656 | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | | | 2KJ3514 - ■■■■■■ - ■■ U1 |
| 76.23 | 19 | 13000 | 70000 | 5.2 | 88 | 16465/216 | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | | 2KJ3514 - ■■■■■■ - ■■ T1 |
| 67.61 | 21 | 13000 | 66900 | 5.3 | 103 | 55981/828 | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | 2KJ3514 - ■■■■■■ - ■■ S1 |
| 62.07 | 23 | 13000 | 64500 | 5.3 | 114 | 62567/1008 | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | 2KJ3514 - ■■■■■■ - ■■ R1 |
| 54.68 | 27 | 13000 | 60900 | 5.3 | 134 | 181115/3312 | | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | 2KJ3514 - ■■■■■■ - ■■ Q1 |
| 44.86 | 32 | 13000 | 55700 | 5.3 | 180 | 55981/1248 | | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | 2KJ3514 - ■■■■■■ - ■■ P1 |
| 39.33 | 37 | 13000 | 52300 | 5.3 | 198 | 141599/3600 | | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | 2KJ3514 - ■■■■■■ - ■■ N1 |
| 30.75 | 47 | 13000 | 46500 | 5.4 | 309 | 42809/1392 | | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | 2KJ3514 - ■■■■■■ - ■■ M1 |
| 29.43 | 49 | 13000 | 45500 | 5.8 | 133 | 25721/874 | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | 2KJ3514 - ■■■■■■ - ■■ L1 |
| 27.02 | 54 | 13000 | 43500 | 5.9 | 151 | 1513/56 | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | 2KJ3514 - ■■■■■■ - ■■ K1 |
| 23.80 | 61 | 13000 | 40800 | 5.9 | 181 | 83215/3496 | | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | 2KJ3514 - ■■■■■■ - ■■ J1 |
| 19.53 | 74 | 12700 | 40000 | 6.0 | 249 | 77163/3952 | | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | 2KJ3514 - ■■■■■■ - ■■ H1 |
| 17.12 | 85 | 12400 | 40800 | 6.0 | 288 | 65059/3800 | | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | 2KJ3514 - ■■■■■■ - ■■ G1 |
| 13.39 | 108 | 11900 | 41300 | 6.2 | 457 | 59007/4408 | | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | 2KJ3514 - ■■■■■■ - ■■ F1 |
| 12.20 | 119 | 6760 | 38700 | 8.1 | 202 | 143990/11799 | | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | 2KJ3514 - ■■■■■■ - ■■ E1 |
| 10.01 | 145 | 6530 | 37800 | 8.3 | 280 | 22253/2223 | | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | 2KJ3514 - ■■■■■■ - ■■ D1 |
| 8.78 | 165 | 6360 | 37800 | 8.3 | 328 | 112574/12825 | | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | 2KJ3514 - ■■■■■■ - ■■ C1 |
| 6.86 | 211 | 6130 | 37300 | 8.8 | 523 | 34034/4959 | | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | 2KJ3514 - ■■■■■■ - ■■ B1 |

Article No. supplement

| | | |
|--|------------------------|--------------------------------|
| Shaft design | 1 or 9 | see page 10/51 |
| Motor frame size, motor type, efficiency class | | see chapter 9 |
| Frequency and voltage | 2 or 9 | see page 11/2 |
| Gearbox mounting type | A, F, H, C or D | see page 10/42 |

¹⁾ Only in conjunction with reduced-backlash version

Selection and ordering data

| <i>i</i> | <i>n</i> ₂ rpm | <i>T</i> _{2N} Nm | <i>F</i> _{R2} N | φ ¹⁾ | <i>J</i> _G 10 ⁻⁴ kgm ² | <i>P</i> _{ex} | Motor frame size | | | | | | | | | | | Article No. (Article No. supplement, see below) |
|---------------|------------------------------|------------------------------|-----------------------------|-----------------|---|------------------------|------------------|----|----|----|-----|-----|-----|-----|-----|-----|---------------------------------|---|
| | | | | | | | 63 | 71 | 80 | 90 | 100 | 112 | 132 | 160 | 180 | 200 | 225 | |
| K.189 | | | | | | | | | | | | | | | | | | |
| 199.51 | 7.3 | 19100 | 104000 | 4.8 | 37 | 186543/935 | | | | | ✓ | ✓ | ✓ | | | | 2KJ3515 - ■■■■■■ - ■■ W1 | |
| 178.49 | 8.1 | 19500 | 104000 | 4.8 | 43 | 367164/2057 | | | | | ✓ | ✓ | ✓ | | | | 2KJ3515 - ■■■■■■ - ■■ V1 | |
| 160.98 | 9 | 19500 | 104000 | 4.8 | 50 | 60207/374 | | | | | ✓ | ✓ | ✓ | | | | 2KJ3515 - ■■■■■■ - ■■ U1 | |
| 142.28 | 10 | 19500 | 104000 | 4.8 | 62 | 611940/4301 | | | | | ✓ | ✓ | ✓ | | | | 2KJ3515 - ■■■■■■ - ■■ T1 | |
| 130.05 | 11 | 19500 | 104000 | 4.8 | 73 | 55272/425 | | | | | ✓ | ✓ | ✓ | ✓ | | | 2KJ3515 - ■■■■■■ - ■■ S1 | |
| 117.00 | 12 | 19500 | 104000 | 4.8 | 86 | 43757/374 | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | | 2KJ3515 - ■■■■■■ - ■■ R1 | |
| 104.56 | 14 | 19500 | 104000 | 4.8 | 100 | 19552/187 | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 2KJ3515 - ■■■■■■ - ■■ Q1 | |
| 94.55 | 15 | 19500 | 104000 | 4.8 | 119 | 406644/4301 | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 2KJ3515 - ■■■■■■ - ■■ P1 | |
| 83.44 | 17 | 19500 | 104000 | 4.8 | 140 | 15604/187 | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 2KJ3515 - ■■■■■■ - ■■ N1 | |
| 74.35 | 20 | 19500 | 104000 | 4.8 | 164 | 319788/4301 | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 2KJ3515 - ■■■■■■ - ■■ M1 | |
| 67.36 | 22 | 19500 | 104000 | 4.8 | 182 | 12596/187 | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 2KJ3515 - ■■■■■■ - ■■ L1 | |
| 60.58 | 24 | 19500 | 104000 | 4.8 | 220 | 23688/391 | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 2KJ3515 - ■■■■■■ - ■■ K1 | |
| 50.34 | 29 | 19500 | 104000 | 4.8 | 273 | 122388/2431 | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 2KJ3515 - ■■■■■■ - ■■ J1 | |
| 44.76 | 32 | 19500 | 99100 | 4.8 | 334 | 209244/4675 | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 2KJ3515 - ■■■■■■ - ■■ H1 | |
| 35.67 | 41 | 19500 | 89900 | 4.9 | 455 | 193452/5423 | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 2KJ3515 - ■■■■■■ - ■■ G1 | |
| 28.39 | 51 | 19500 | 81300 | 5.0 | 586 | 153972/5423 | | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | 2KJ3515 - ■■■■■■ - ■■ F1 | |
| 25.37 | 57 | 19500 | 77300 | 5.3 | 335 | 11088/437 | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 2KJ3515 - ■■■■■■ - ■■ E1 | |
| 21.09 | 69 | 19500 | 70900 | 5.4 | 439 | 5208/247 | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 2KJ3515 - ■■■■■■ - ■■ D1 | |
| 18.75 | 77 | 19500 | 67000 | 5.4 | 545 | 8904/475 | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 2KJ3515 - ■■■■■■ - ■■ C1 | |
| 14.94 | 97 | 19500 | 60000 | 5.6 | 786 | 8232/551 | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | 2KJ3515 - ■■■■■■ - ■■ B1 | |
| 11.89 | 122 | 19500 | 61300 | 5.7 | 1109 | 6552/551 | | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | 2KJ3515 - ■■■■■■ - ■■ A1 | |

Article No. supplement

| | | |
|--|------------------------|----------------|
| Shaft design | 1 or 9 | see page 10/51 |
| Motor frame size, motor type, efficiency class | | see chapter 9 |
| Frequency and voltage | 2 or 9 | see page 11/2 |
| Gearbox mounting type | A, F, H, C or D | see page 10/42 |

¹⁾ Only in conjunction with reduced-backlash version

SIMOGEAR geared motors

Bevel geared motors

Transmission ratios and torques for very low speeds

Selection and ordering data

| i | n ₂ rpm | T _{2N} Nm | F _{R2} N | φ ¹⁾ | J _G 10 ⁻⁴ kgm ² | R _{ex} | Motor frame size | | | | | | | Article No. (Article No. supplement, see below) |
|-----------------|-----------------------|-----------------------|----------------------|-----------------|---|-----------------|------------------|----|----|----|-----|-----|-----|--|
| | | | | | | | 63 | 71 | 80 | 90 | 100 | 112 | 132 | |
| K.39-Z19 | | | | | | | | | | | | | | |
| 3001 | 0.48 | 220 | 6080 | – | 0.02 | 975384/325 | ✓ | ✓ | | | | | | 2KJ3520 - ■■■■■■ - ■■ E2 |
| 2657 | 0.55 | 220 | 6080 | – | 0.03 | 4318434/1625 | ✓ | ✓ | ✓ | | | | | 2KJ3520 - ■■■■■■ - ■■ D2 |
| 2309 | 0.63 | 220 | 6080 | – | 0.04 | 3752082/1625 | ✓ | ✓ | ✓ | | | | | 2KJ3520 - ■■■■■■ - ■■ C2 |
| 2099 | 0.69 | 220 | 6080 | – | 0.05 | 7504164/3575 | ✓ | ✓ | ✓ | | | | | 2KJ3520 - ■■■■■■ - ■■ B2 |
| 1786 | 0.81 | 220 | 6080 | – | 0.07 | 2902554/162 | ✓ | ✓ | ✓ | | | | | 2KJ3520 - ■■■■■■ - ■■ A2 |
| 1624 | 0.89 | 220 | 6080 | – | 0.08 | 5805108/3575 | ✓ | ✓ | ✓ | | | | | 2KJ3520 - ■■■■■■ - ■■ X1 |
| 1416 | 1.0 | 220 | 6080 | – | 0.09 | 35397/25 | ✓ | ✓ | ✓ | | | | | 2KJ3520 - ■■■■■■ - ■■ W1 |
| 1267 | 1.1 | 220 | 6080 | – | 0.12 | 4530816/3575 | ✓ | ✓ | ✓ | | | | | 2KJ3520 - ■■■■■■ - ■■ V1 |
| 1125 | 1.3 | 220 | 6080 | – | 0.15 | 365769/325 | ✓ | ✓ | ✓ | | | | | 2KJ3520 - ■■■■■■ - ■■ U1 |
| 1039 | 1.4 | 220 | 6080 | – | 0.18 | 4389228/4225 | ✓ | ✓ | ✓ | | | | | 2KJ3520 - ■■■■■■ - ■■ T1 |
| 902 | 1.6 | 220 | 6080 | – | 0.20 | 2053026/2275 | ✓ | ✓ | ✓ | | | | | 2KJ3520 - ■■■■■■ - ■■ S1 |
| 784 | 1.8 | 220 | 6080 | – | 0.21 | 1274292/1625 | ✓ | ✓ | ✓ | | | | | 2KJ3520 - ■■■■■■ - ■■ R1 |
| 708 | 2.0 | 220 | 6080 | – | 0.27 | 35397/50 | ✓ | ✓ | ✓ | | | | | 2KJ3520 - ■■■■■■ - ■■ Q1 |
| 666 | 2.2 | 220 | 6080 | – | 0.32 | 283176/425 | ✓ | ✓ | ✓ | | | | | 2KJ3520 - ■■■■■■ - ■■ P1 |
| 581 | 2.5 | 220 | 6080 | – | 0.36 | 188784/325 | ✓ | ✓ | ✓ | | | | | 2KJ3520 - ■■■■■■ - ■■ N1 |
| 536 | 2.7 | 220 | 6080 | – | 0.19 | 243846/455 | ✓ | ✓ | ✓ | | | | | 2KJ3520 - ■■■■■■ - ■■ M1 |
| 466 | 3.1 | 220 | 6080 | – | 0.22 | 114057/245 | ✓ | ✓ | ✓ | | | | | 2KJ3520 - ■■■■■■ - ■■ L1 |
| 405 | 3.6 | 220 | 6080 | – | 0.23 | 70794/175 | ✓ | ✓ | ✓ | | | | | 2KJ3520 - ■■■■■■ - ■■ K1 |
| 365 | 4.0 | 220 | 6080 | – | 0.29 | 51129/140 | ✓ | ✓ | ✓ | | | | | 2KJ3520 - ■■■■■■ - ■■ J1 |
| 343.72 | 4.2 | 220 | 6080 | – | 0.35 | 204516/595 | ✓ | ✓ | ✓ | | | | | 2KJ3520 - ■■■■■■ - ■■ H1 |
| 329.29 | 4.4 | 220 | 6080 | – | 0.32 | 699732/2125 | ✓ | ✓ | ✓ | | | | | 2KJ3520 - ■■■■■■ - ■■ G1 |
| 287.07 | 5.1 | 220 | 6080 | – | 0.37 | 466488/1625 | ✓ | ✓ | ✓ | | | | | 2KJ3520 - ■■■■■■ - ■■ F1 |
| 264.86 | 5.5 | 220 | 6080 | – | 0.19 | 602547/2275 | ✓ | ✓ | ✓ | | | | | 2KJ3520 - ■■■■■■ - ■■ E1 |
| 230.07 | 6.3 | 220 | 6080 | – | 0.22 | 563673/2450 | ✓ | ✓ | ✓ | | | | | 2KJ3520 - ■■■■■■ - ■■ D1 |
| 199.92 | 7.3 | 220 | 6080 | – | 0.23 | 174933/875 | ✓ | ✓ | ✓ | | | | | 2KJ3520 - ■■■■■■ - ■■ C1 |
| 180.49 | 8.0 | 220 | 6080 | – | 0.30 | 252681/1400 | ✓ | ✓ | ✓ | | | | | 2KJ3520 - ■■■■■■ - ■■ B1 |
| 169.87 | 8.5 | 220 | 6080 | – | 0.35 | 505362/2975 | ✓ | ✓ | ✓ | | | | | 2KJ3520 - ■■■■■■ - ■■ A1 |
| K.39-D19 | | | | | | | | | | | | | | |
| 6699 | 0.22 | 220 | 6080 | – | 0.11 | 167640192/25025 | ✓ | ✓ | | | | | | 2KJ3521 - ■■■■■■ - ■■ H1 |
| 5949 | 0.24 | 220 | 6080 | – | 0.13 | 13533453/2275 | ✓ | ✓ | | | | | | 2KJ3521 - ■■■■■■ - ■■ G1 |
| 5491 | 0.26 | 220 | 6080 | – | 0.16 | 162401436/29575 | ✓ | ✓ | | | | | | 2KJ3521 - ■■■■■■ - ■■ F1 |
| 4770 | 0.30 | 220 | 6080 | – | 0.17 | 75961962/15925 | ✓ | ✓ | | | | | | 2KJ3521 - ■■■■■■ - ■■ E1 |
| 4145 | 0.35 | 220 | 6080 | – | 0.18 | 47148804/11375 | ✓ | ✓ | | | | | | 2KJ3521 - ■■■■■■ - ■■ D1 |
| 3742 | 0.39 | 220 | 6080 | – | 0.22 | 1309689/350 | ✓ | ✓ | | | | | | 2KJ3521 - ■■■■■■ - ■■ C1 |
| 3522 | 0.41 | 220 | 6080 | – | 0.26 | 10477512/2975 | ✓ | ✓ | | | | | | 2KJ3521 - ■■■■■■ - ■■ B1 |
| 3070 | 0.47 | 220 | 6080 | – | 0.29 | 6985008/2275 | ✓ | ✓ | | | | | | 2KJ3521 - ■■■■■■ - ■■ A1 |

Article No. supplement

| | | |
|--|------------------------|----------------|
| Shaft design | 1 or 9 | see page 10/49 |
| Motor frame size, motor type, efficiency class | | see chapter 9 |
| Frequency and voltage | 2 or 9 | see page 11/2 |
| Gearbox mounting type | A, F, H, C or D | see page 10/42 |

¹⁾ Only in conjunction with reduced-backlash version

Selection and ordering data

| <i>i</i> | n_2 rpm | T_{2N} Nm | F_{R2} N | φ ¹⁾ | J_G 10 ⁻⁴ kgm ² | R_{ex} | Motor frame size | | | | | | | | Article No. (Article No. supplement, see below) |
|-----------------|--------------|----------------|---------------|-------------------------|--|--------------|------------------|----|----|----|-----|-----|-----|-----|--|
| | | | | | | | 63 | 71 | 80 | 90 | 100 | 112 | 132 | 160 | |
| K.49-Z19 | | | | | | | | | | | | | | | |
| 3866 | 0.38 | 420 | 7820 | – | 0.02 | 150784/39 | ✓ | ✓ | | | | | | | 2KJ3522 - ■■■■■■ - ■■ G2 |
| 3424 | 0.42 | 420 | 7820 | – | 0.03 | 222528/65 | ✓ | ✓ | ✓ | | | | | | 2KJ3522 - ■■■■■■ - ■■ F2 |
| 2975 | 0.49 | 420 | 7820 | – | 0.04 | 193344/65 | ✓ | ✓ | ✓ | | | | | | 2KJ3522 - ■■■■■■ - ■■ E2 |
| 2704 | 0.54 | 420 | 7820 | – | 0.05 | 386688/143 | ✓ | ✓ | ✓ | | | | | | 2KJ3522 - ■■■■■■ - ■■ D2 |
| 2301 | 0.63 | 420 | 7820 | – | 0.07 | 149568/65 | ✓ | ✓ | ✓ | | | | | | 2KJ3522 - ■■■■■■ - ■■ C2 |
| 2092 | 0.69 | 420 | 7820 | – | 0.08 | 299136/143 | ✓ | ✓ | ✓ | | | | | | 2KJ3522 - ■■■■■■ - ■■ B2 |
| 1824 | 0.79 | 420 | 7820 | – | 0.09 | 1824/1 | ✓ | ✓ | ✓ | | | | | | 2KJ3522 - ■■■■■■ - ■■ A2 |
| 1633 | 0.89 | 420 | 7820 | – | 0.12 | 233472/143 | ✓ | ✓ | ✓ | | | | | | 2KJ3522 - ■■■■■■ - ■■ W1 |
| 1450 | 1.0 | 420 | 7820 | – | 0.15 | 18848/13 | ✓ | ✓ | ✓ | | | | | | 2KJ3522 - ■■■■■■ - ■■ V1 |
| 1338 | 1.1 | 420 | 7820 | – | 0.18 | 226176/169 | ✓ | ✓ | ✓ | | | | | | 2KJ3522 - ■■■■■■ - ■■ U1 |
| 1163 | 1.2 | 420 | 7820 | – | 0.20 | 105792/91 | ✓ | ✓ | ✓ | | | | | | 2KJ3522 - ■■■■■■ - ■■ T1 |
| 1010 | 1.4 | 420 | 7820 | – | 0.21 | 65664/65 | ✓ | ✓ | ✓ | | | | | | 2KJ3522 - ■■■■■■ - ■■ S1 |
| 912 | 1.6 | 420 | 7820 | – | 0.27 | 912/1 | ✓ | ✓ | ✓ | | | | | | 2KJ3522 - ■■■■■■ - ■■ R1 |
| 858 | 1.7 | 420 | 7820 | – | 0.32 | 14592/17 | ✓ | ✓ | ✓ | | | | | | 2KJ3522 - ■■■■■■ - ■■ Q1 |
| 748 | 1.9 | 420 | 7820 | – | 0.36 | 9728/13 | ✓ | ✓ | ✓ | | | | | | 2KJ3522 - ■■■■■■ - ■■ P1 |
| 690 | 2.1 | 420 | 7820 | – | 0.19 | 188480/273 | ✓ | ✓ | ✓ | | | | | | 2KJ3522 - ■■■■■■ - ■■ N1 |
| 600 | 2.4 | 420 | 7820 | – | 0.22 | 88160/147 | ✓ | ✓ | ✓ | | | | | | 2KJ3522 - ■■■■■■ - ■■ M1 |
| 521 | 2.8 | 420 | 7820 | – | 0.23 | 3648/7 | ✓ | ✓ | ✓ | | | | | | 2KJ3522 - ■■■■■■ - ■■ L1 |
| 470 | 3.1 | 420 | 7820 | – | 0.30 | 9880/21 | ✓ | ✓ | ✓ | | | | | | 2KJ3522 - ■■■■■■ - ■■ K1 |
| 443 | 3.3 | 420 | 7820 | – | 0.35 | 158080/357 | ✓ | ✓ | ✓ | | | | | | 2KJ3522 - ■■■■■■ - ■■ J1 |
| 437 | 3.3 | 420 | 7820 | – | 0.27 | 24453/56 | ✓ | ✓ | ✓ | | | | | | 2KJ3522 - ■■■■■■ - ■■ H1 |
| 411 | 3.5 | 420 | 7820 | – | 0.32 | 48906/119 | ✓ | ✓ | ✓ | | | | | | 2KJ3522 - ■■■■■■ - ■■ G1 |
| 358 | 4.1 | 420 | 7820 | – | 0.37 | 2508/7 | ✓ | ✓ | ✓ | | | | | | 2KJ3522 - ■■■■■■ - ■■ F1 |
| 330.56 | 4.4 | 420 | 7820 | – | 0.20 | 32395/98 | ✓ | ✓ | ✓ | | | | | | 2KJ3522 - ■■■■■■ - ■■ E1 |
| 287.15 | 5.0 | 420 | 7820 | – | 0.23 | 393965/1372 | ✓ | ✓ | ✓ | | | | | | 2KJ3522 - ■■■■■■ - ■■ D1 |
| 249.52 | 5.8 | 420 | 7820 | – | 0.24 | 24453/98 | ✓ | ✓ | ✓ | | | | | | 2KJ3522 - ■■■■■■ - ■■ C1 |
| 225.26 | 6.4 | 420 | 7820 | – | 0.31 | 176605/784 | ✓ | ✓ | ✓ | | | | | | 2KJ3522 - ■■■■■■ - ■■ B1 |
| 212.01 | 6.8 | 420 | 7820 | – | 0.37 | 176605/833 | ✓ | ✓ | ✓ | | | | | | 2KJ3522 - ■■■■■■ - ■■ A1 |
| K.49-D19 | | | | | | | | | | | | | | | |
| 9641 | 0.15 | 420 | 7820 | – | 0.08 | 67488/7 | ✓ | ✓ | | | | | | | 2KJ3523 - ■■■■■■ - ■■ J1 |
| 8630 | 0.17 | 420 | 7820 | – | 0.11 | 8638464/1001 | ✓ | ✓ | | | | | | | 2KJ3523 - ■■■■■■ - ■■ H1 |
| 7663 | 0.19 | 420 | 7820 | – | 0.13 | 697376/91 | ✓ | ✓ | | | | | | | 2KJ3523 - ■■■■■■ - ■■ G1 |
| 7074 | 0.20 | 420 | 7820 | – | 0.16 | 8368512/1183 | ✓ | ✓ | | | | | | | 2KJ3523 - ■■■■■■ - ■■ F1 |
| 6145 | 0.24 | 420 | 7820 | – | 0.17 | 3914304/637 | ✓ | ✓ | | | | | | | 2KJ3523 - ■■■■■■ - ■■ E1 |
| 5340 | 0.27 | 420 | 7820 | – | 0.18 | 2429568/455 | ✓ | ✓ | | | | | | | 2KJ3523 - ■■■■■■ - ■■ D1 |
| 4821 | 0.30 | 420 | 7820 | – | 0.22 | 33744/7 | ✓ | ✓ | | | | | | | 2KJ3523 - ■■■■■■ - ■■ C1 |
| 4537 | 0.32 | 420 | 7820 | – | 0.26 | 539904/119 | ✓ | ✓ | | | | | | | 2KJ3523 - ■■■■■■ - ■■ B1 |
| 3955 | 0.37 | 420 | 7820 | – | 0.29 | 359936/91 | ✓ | ✓ | | | | | | | 2KJ3523 - ■■■■■■ - ■■ A1 |

Article No. supplement

| | | |
|--|------------------------|--------------------------------|
| Shaft design | 1 or 9 | see page 10/49 |
| Motor frame size, motor type, efficiency class | | see chapter 9 |
| Frequency and voltage | 2 or 9 | see page 11/2 |
| Gearbox mounting type | A, F, H, C or D | see page 10/42 |

¹⁾ Only in conjunction with reduced-backlash version

SIMOGEAR geared motors

Bevel geared motors

Transmission ratios and torques for very low speeds

Selection and ordering data

| i | n ₂ rpm | T _{2N} Nm | F _{R2} N | φ ¹⁾ | J _G 10 ⁻⁴ kgm ² | R _{ex} | Motor frame size | | | | | | | | Article No. (Article No. supplement, see below) |
|-----------------|-----------------------|-----------------------|----------------------|-----------------|---|-----------------|------------------|----|----|----|-----|-----|-----|--------------------------|--|
| | | | | | | | 63 | 71 | 80 | 90 | 100 | 112 | 132 | 160 | |
| K.69-Z19 | | | | | | | | | | | | | | | |
| 3866 | 0.38 | 600 | 10800 | – | 0.02 | 150784/39 | ✓ | ✓ | | | | | | 2KJ3524 - ■■■■■■ - ■■ F2 | |
| 3424 | 0.42 | 600 | 10800 | – | 0.03 | 222528/65 | ✓ | ✓ | ✓ | | | | | 2KJ3524 - ■■■■■■ - ■■ E2 | |
| 2975 | 0.49 | 600 | 10800 | – | 0.04 | 193344/65 | ✓ | ✓ | ✓ | | | | | 2KJ3524 - ■■■■■■ - ■■ D2 | |
| 2704 | 0.54 | 600 | 10800 | – | 0.05 | 386688/143 | ✓ | ✓ | ✓ | | | | | 2KJ3524 - ■■■■■■ - ■■ C2 | |
| 2301 | 0.63 | 600 | 10800 | – | 0.07 | 149568/65 | ✓ | ✓ | ✓ | | | | | 2KJ3524 - ■■■■■■ - ■■ B2 | |
| 2092 | 0.69 | 600 | 10800 | – | 0.08 | 299136/143 | ✓ | ✓ | ✓ | | | | | 2KJ3524 - ■■■■■■ - ■■ A2 | |
| 1824 | 0.79 | 600 | 10800 | – | 0.10 | 1824/1 | ✓ | ✓ | ✓ | | | | | 2KJ3524 - ■■■■■■ - ■■ W1 | |
| 1633 | 0.89 | 600 | 10800 | – | 0.13 | 233472/143 | ✓ | ✓ | ✓ | | | | | 2KJ3524 - ■■■■■■ - ■■ V1 | |
| 1450 | 1.0 | 600 | 10800 | – | 0.15 | 18848/13 | ✓ | ✓ | ✓ | | | | | 2KJ3524 - ■■■■■■ - ■■ U1 | |
| 1338 | 1.1 | 600 | 10800 | – | 0.18 | 226176/169 | ✓ | ✓ | ✓ | | | | | 2KJ3524 - ■■■■■■ - ■■ T1 | |
| 1163 | 1.2 | 600 | 10800 | – | 0.21 | 105792/91 | ✓ | ✓ | ✓ | | | | | 2KJ3524 - ■■■■■■ - ■■ S1 | |
| 1010 | 1.4 | 600 | 10800 | – | 0.21 | 65664/65 | ✓ | ✓ | ✓ | | | | | 2KJ3524 - ■■■■■■ - ■■ R1 | |
| 912 | 1.6 | 600 | 10800 | – | 0.27 | 912/1 | ✓ | ✓ | ✓ | | | | | 2KJ3524 - ■■■■■■ - ■■ Q1 | |
| 858 | 1.7 | 600 | 10800 | – | 0.32 | 14592/17 | ✓ | ✓ | ✓ | | | | | 2KJ3524 - ■■■■■■ - ■■ P1 | |
| 748 | 1.9 | 600 | 10800 | – | 0.37 | 9728/13 | ✓ | ✓ | ✓ | | | | | 2KJ3524 - ■■■■■■ - ■■ N1 | |
| 690 | 2.1 | 600 | 10800 | – | 0.20 | 188480/273 | ✓ | ✓ | ✓ | | | | | 2KJ3524 - ■■■■■■ - ■■ M1 | |
| 600 | 2.4 | 600 | 10800 | – | 0.23 | 88160/147 | ✓ | ✓ | ✓ | | | | | 2KJ3524 - ■■■■■■ - ■■ L1 | |
| 521 | 2.8 | 600 | 10800 | – | 0.24 | 3648/7 | ✓ | ✓ | ✓ | | | | | 2KJ3524 - ■■■■■■ - ■■ K1 | |
| 470 | 3.1 | 600 | 10800 | – | 0.31 | 9880/21 | ✓ | ✓ | ✓ | | | | | 2KJ3524 - ■■■■■■ - ■■ J1 | |
| 443 | 3.3 | 600 | 10800 | – | 0.37 | 158080/357 | ✓ | ✓ | ✓ | | | | | 2KJ3524 - ■■■■■■ - ■■ H1 | |
| 419 | 3.5 | 600 | 10800 | – | 0.38 | 147136/351 | ✓ | ✓ | ✓ | | | | | 2KJ3524 - ■■■■■■ - ■■ G1 | |
| 387 | 3.7 | 600 | 10800 | – | 0.22 | 2850760/7371 | ✓ | ✓ | ✓ | | | | | 2KJ3524 - ■■■■■■ - ■■ F1 | |
| 335.96 | 4.3 | 600 | 10800 | – | 0.25 | 1333420/3969 | ✓ | ✓ | ✓ | | | | | 2KJ3524 - ■■■■■■ - ■■ E1 | |
| 291.94 | 5.0 | 600 | 10800 | – | 0.27 | 18392/63 | ✓ | ✓ | ✓ | | | | | 2KJ3524 - ■■■■■■ - ■■ D1 | |
| 263.55 | 5.5 | 600 | 10800 | – | 0.35 | 149435/567 | ✓ | ✓ | ✓ | | | | | 2KJ3524 - ■■■■■■ - ■■ C1 | |
| 248.05 | 5.8 | 600 | 10800 | – | 0.41 | 2390960/9639 | ✓ | ✓ | ✓ | | | | | 2KJ3524 - ■■■■■■ - ■■ B1 | |
| 216.25 | 6.7 | 600 | 10800 | – | 0.48 | 367840/1701 | | | ✓ | | | | | 2KJ3524 - ■■■■■■ - ■■ A1 | |
| K.69-D19 | | | | | | | | | | | | | | | |
| 9641 | 0.15 | 600 | 10800 | – | 0.08 | 67488/7 | ✓ | ✓ | | | | | | 2KJ3525 - ■■■■■■ - ■■ J1 | |
| 8630 | 0.17 | 600 | 10800 | – | 0.11 | 8638464/1001 | ✓ | ✓ | | | | | | 2KJ3525 - ■■■■■■ - ■■ H1 | |
| 7663 | 0.19 | 600 | 10800 | – | 0.13 | 697376/91 | ✓ | ✓ | | | | | | 2KJ3525 - ■■■■■■ - ■■ G1 | |
| 7074 | 0.20 | 600 | 10800 | – | 0.16 | 8368512/1183 | ✓ | ✓ | | | | | | 2KJ3525 - ■■■■■■ - ■■ F1 | |
| 6145 | 0.24 | 600 | 10800 | – | 0.17 | 3914304/637 | ✓ | ✓ | | | | | | 2KJ3525 - ■■■■■■ - ■■ E1 | |
| 5340 | 0.27 | 600 | 10800 | – | 0.18 | 2429568/455 | ✓ | ✓ | | | | | | 2KJ3525 - ■■■■■■ - ■■ D1 | |
| 4821 | 0.30 | 600 | 10800 | – | 0.22 | 33744/7 | ✓ | ✓ | | | | | | 2KJ3525 - ■■■■■■ - ■■ C1 | |
| 4537 | 0.32 | 600 | 10800 | – | 0.26 | 539904/119 | ✓ | ✓ | | | | | | 2KJ3525 - ■■■■■■ - ■■ B1 | |
| 3955 | 0.37 | 600 | 10800 | – | 0.29 | 359936/91 | ✓ | ✓ | | | | | | 2KJ3525 - ■■■■■■ - ■■ A1 | |

Article No. supplement

| | | |
|--|------------------------|--------------------------------|
| Shaft design | 1 or 9 | see page 10/49 |
| Motor frame size, motor type, efficiency class | | see chapter 9 |
| Frequency and voltage | 2 or 9 | see page 11/2 |
| Gearbox mounting type | A, F, H, C or D | see page 10/42 |

¹⁾ Only in conjunction with reduced-backlash version

Selection and ordering data

| <i>i</i> | <i>n</i> ₂ rpm | <i>T</i> _{2N} Nm | <i>F</i> _{R2} N | φ ¹⁾ | <i>J</i> _G 10 ⁻⁴ kgm ² | <i>R</i> _{ex} | Motor frame size | | | | | | | | Article No. (Article No. supplement, see below) |
|-----------------|------------------------------|------------------------------|-----------------------------|-----------------|--|------------------------|------------------|----|----|----|-----|-----|-----|--------------------------|--|
| | | | | | | | 63 | 71 | 80 | 90 | 100 | 112 | 132 | 160 | |
| K.79-Z19 | | | | | | | | | | | | | | | |
| 4804 | 0.30 | 820 | 13900 | – | 0.02 | 562030/117 | ✓ | ✓ | | | | | | 2KJ3526 - ■■■■■■ - ■■ F2 | |
| 4254 | 0.34 | 820 | 13900 | – | 0.03 | 110593/26 | ✓ | ✓ | ✓ | | | | | 2KJ3526 - ■■■■■■ - ■■ E2 | |
| 3696 | 0.39 | 820 | 13900 | – | 0.04 | 96089/26 | ✓ | ✓ | ✓ | | | | | 2KJ3526 - ■■■■■■ - ■■ D2 | |
| 3360 | 0.43 | 820 | 13900 | – | 0.05 | 480445/143 | ✓ | ✓ | ✓ | | | | | 2KJ3526 - ■■■■■■ - ■■ C2 | |
| 2859 | 0.51 | 820 | 13900 | – | 0.07 | 74333/26 | ✓ | ✓ | ✓ | | | | | 2KJ3526 - ■■■■■■ - ■■ B2 | |
| 2599 | 0.56 | 820 | 13900 | – | 0.08 | 371665/143 | ✓ | ✓ | ✓ | | | | | 2KJ3526 - ■■■■■■ - ■■ A2 | |
| 2266 | 0.64 | 820 | 13900 | – | 0.10 | 9065/4 | ✓ | ✓ | ✓ | | | | | 2KJ3526 - ■■■■■■ - ■■ W1 | |
| 2029 | 0.71 | 820 | 13900 | – | 0.13 | 290080/143 | ✓ | ✓ | ✓ | | | | | 2KJ3526 - ■■■■■■ - ■■ V1 | |
| 1801 | 0.81 | 820 | 13900 | – | 0.15 | 281015/156 | ✓ | ✓ | ✓ | | | | | 2KJ3526 - ■■■■■■ - ■■ U1 | |
| 1663 | 0.87 | 820 | 13900 | – | 0.18 | 281015/169 | ✓ | ✓ | ✓ | | | | | 2KJ3526 - ■■■■■■ - ■■ T1 | |
| 1444 | 1.0 | 820 | 13900 | – | 0.21 | 37555/26 | ✓ | ✓ | ✓ | | | | | 2KJ3526 - ■■■■■■ - ■■ S1 | |
| 1255 | 1.2 | 820 | 13900 | – | 0.21 | 16317/13 | ✓ | ✓ | ✓ | | | | | 2KJ3526 - ■■■■■■ - ■■ R1 | |
| 1133 | 1.3 | 820 | 13900 | – | 0.27 | 9065/8 | ✓ | ✓ | ✓ | | | | | 2KJ3526 - ■■■■■■ - ■■ Q1 | |
| 1066 | 1.4 | 820 | 13900 | – | 0.32 | 18130/17 | ✓ | ✓ | ✓ | | | | | 2KJ3526 - ■■■■■■ - ■■ P1 | |
| 930 | 1.6 | 820 | 13900 | – | 0.37 | 36260/39 | ✓ | ✓ | ✓ | | | | | 2KJ3526 - ■■■■■■ - ■■ N1 | |
| 858 | 1.7 | 820 | 13900 | – | 0.20 | 200725/234 | ✓ | ✓ | ✓ | | | | | 2KJ3526 - ■■■■■■ - ■■ M1 | |
| 745 | 1.9 | 820 | 13900 | – | 0.23 | 26825/36 | ✓ | ✓ | ✓ | | | | | 2KJ3526 - ■■■■■■ - ■■ L1 | |
| 648 | 2.2 | 820 | 13900 | – | 0.24 | 1295/2 | ✓ | ✓ | ✓ | | | | | 2KJ3526 - ■■■■■■ - ■■ K1 | |
| 585 | 2.5 | 820 | 13900 | – | 0.31 | 84175/144 | ✓ | ✓ | ✓ | | | | | 2KJ3526 - ■■■■■■ - ■■ J1 | |
| 550 | 2.6 | 820 | 13900 | – | 0.37 | 84175/153 | ✓ | ✓ | ✓ | | | | | 2KJ3526 - ■■■■■■ - ■■ H1 | |
| 521 | 2.8 | 820 | 13900 | – | 0.38 | 1096865/2106 | ✓ | ✓ | ✓ | | | | | 2KJ3526 - ■■■■■■ - ■■ G1 | |
| 481 | 3.0 | 820 | 13900 | – | 0.22 | 24287725/50544 | ✓ | ✓ | ✓ | | | | | 2KJ3526 - ■■■■■■ - ■■ F1 | |
| 417 | 3.5 | 820 | 13900 | – | 0.25 | 3245825/7776 | ✓ | ✓ | ✓ | | | | | 2KJ3526 - ■■■■■■ - ■■ E1 | |
| 363 | 4.0 | 820 | 13900 | – | 0.27 | 156695/432 | ✓ | ✓ | ✓ | | | | | 2KJ3526 - ■■■■■■ - ■■ D1 | |
| 327.46 | 4.4 | 820 | 13900 | – | 0.35 | 10185175/31104 | ✓ | ✓ | ✓ | | | | | 2KJ3526 - ■■■■■■ - ■■ C1 | |
| 308.19 | 4.7 | 820 | 13900 | – | 0.41 | 10185175/33048 | ✓ | ✓ | ✓ | | | | | 2KJ3526 - ■■■■■■ - ■■ B1 | |
| 268.68 | 5.4 | 820 | 13900 | – | 0.48 | 783475/2916 | | | ✓ | | | | | 2KJ3526 - ■■■■■■ - ■■ A1 | |
| K.79-D19 | | | | | | | | | | | | | | | |
| 9522 | 0.15 | 820 | 13900 | – | 0.13 | 1485365/156 | ✓ | ✓ | | | | | | 2KJ3527 - ■■■■■■ - ■■ G1 | |
| 8789 | 0.16 | 820 | 13900 | – | 0.16 | 1485365/169 | ✓ | ✓ | | | | | | 2KJ3527 - ■■■■■■ - ■■ F1 | |
| 7635 | 0.19 | 820 | 13900 | – | 0.17 | 198505/26 | ✓ | ✓ | | | | | | 2KJ3527 - ■■■■■■ - ■■ E1 | |
| 6634 | 0.22 | 820 | 13900 | – | 0.18 | 86247/13 | ✓ | ✓ | | | | | | 2KJ3527 - ■■■■■■ - ■■ D1 | |
| 5989 | 0.24 | 820 | 13900 | – | 0.22 | 47915/8 | ✓ | ✓ | | | | | | 2KJ3527 - ■■■■■■ - ■■ C1 | |
| 5637 | 0.26 | 820 | 13900 | – | 0.26 | 95830/17 | ✓ | ✓ | | | | | | 2KJ3527 - ■■■■■■ - ■■ B1 | |
| 4914 | 0.30 | 820 | 13900 | – | 0.29 | 191660/39 | ✓ | ✓ | | | | | | 2KJ3527 - ■■■■■■ - ■■ A1 | |

Article No. supplement

| | | |
|--|------------------------|--------------------------------|
| Shaft design | 1 or 9 | see page 10/49 |
| Motor frame size, motor type, efficiency class | | see chapter 9 |
| Frequency and voltage | 2 or 9 | see page 11/2 |
| Gearbox mounting type | A, F, H, C or D | see page 10/42 |

¹⁾ Only in conjunction with reduced-backlash version

SIMOGEAR geared motors

Bevel geared motors

Transmission ratios and torques for very low speeds

Selection and ordering data

| i | n ₂ rpm | T _{2N} Nm | F _{R2} N | φ ¹⁾ | J _G 10 ⁻⁴ kgm ² | R _{ex} | Motor frame size | | | | | | | | Article No. (Article No. supplement, see below) |
|-----------------|-----------------------|-----------------------|----------------------|-----------------|---|-------------------|------------------|----|----|----|-----|-----|-----|--------------------------|--|
| | | | | | | | 63 | 71 | 80 | 90 | 100 | 112 | 132 | 160 | |
| K.89-Z39 | | | | | | | | | | | | | | | |
| 6101 | 0.24 | 1600 | 18100 | – | 0.06 | 86972795/14256 | ✓ | ✓ | | | | | | 2KJ3528 - ■■■■■■ - ■■ F2 | |
| 5425 | 0.27 | 1600 | 18100 | – | 0.07 | 8592493/1584 | ✓ | ✓ | ✓ | ✓ | | | | 2KJ3528 - ■■■■■■ - ■■ E2 | |
| 4763 | 0.30 | 1600 | 18100 | – | 0.08 | 209573/44 | ✓ | ✓ | ✓ | ✓ | | | | 2KJ3528 - ■■■■■■ - ■■ D2 | |
| 4330 | 0.33 | 1600 | 18100 | – | 0.10 | 1047865/242 | ✓ | ✓ | ✓ | ✓ | | | | 2KJ3528 - ■■■■■■ - ■■ C2 | |
| 3705 | 0.39 | 1600 | 18100 | – | 0.12 | 1467011/396 | ✓ | ✓ | ✓ | ✓ | | | | 2KJ3528 - ■■■■■■ - ■■ B2 | |
| 3368 | 0.43 | 1600 | 18100 | – | 0.14 | 7335055/2178 | ✓ | ✓ | ✓ | ✓ | | | | 2KJ3528 - ■■■■■■ - ■■ A2 | |
| 2977 | 0.49 | 1600 | 18100 | – | 0.17 | 1047865/352 | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3528 - ■■■■■■ - ■■ W1 | |
| 2706 | 0.54 | 1600 | 18100 | – | 0.22 | 5239325/1936 | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3528 - ■■■■■■ - ■■ V1 | |
| 2370 | 0.61 | 1600 | 18100 | – | 0.26 | 45058195/19008 | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3528 - ■■■■■■ - ■■ U1 | |
| 2188 | 0.66 | 1600 | 18100 | – | 0.31 | 3466015/1584 | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3528 - ■■■■■■ - ■■ T1 | |
| 1937 | 0.75 | 1600 | 18100 | – | 0.36 | 6137495/3168 | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3528 - ■■■■■■ - ■■ S1 | |
| 1612 | 0.90 | 1600 | 18100 | – | 0.48 | 13622245/8448 | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3528 - ■■■■■■ - ■■ R1 | |
| 1518 | 0.96 | 1600 | 18100 | – | 0.56 | 13622245/8976 | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3528 - ■■■■■■ - ■■ Q1 | |
| 1360 | 1.1 | 1600 | 18100 | – | 0.61 | 38771005/28512 | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3528 - ■■■■■■ - ■■ P1 | |
| 1158 | 1.3 | 1600 | 18100 | – | 0.79 | 7335055/6336 | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3528 - ■■■■■■ - ■■ N1 | |
| 992 | 1.5 | 1600 | 18100 | – | 1.04 | 1047865/1056 | | | ✓ | ✓ | ✓ | | | 2KJ3528 - ■■■■■■ - ■■ M1 | |
| 854 | 1.7 | 1600 | 18100 | – | 1.32 | 32483815/38016 | | | ✓ | ✓ | ✓ | | | 2KJ3528 - ■■■■■■ - ■■ L1 | |
| 705 | 2.1 | 1600 | 18100 | – | 0.61 | 45656975/64768 | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3528 - ■■■■■■ - ■■ K1 | |
| 663 | 2.2 | 1600 | 18100 | – | 0.70 | 45656975/68816 | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3528 - ■■■■■■ - ■■ J1 | |
| 594 | 2.4 | 1600 | 18100 | – | 0.79 | 129946775/218592 | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3528 - ■■■■■■ - ■■ H1 | |
| 506 | 2.9 | 1600 | 18100 | – | 1.04 | 24584525/48576 | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3528 - ■■■■■■ - ■■ G1 | |
| 476 | 3.0 | 1600 | 18100 | – | 0.65 | 84791525/178112 | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3528 - ■■■■■■ - ■■ F1 | |
| 448 | 3.2 | 1600 | 18100 | – | 0.75 | 84791525/189244 | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3528 - ■■■■■■ - ■■ E1 | |
| 401 | 3.6 | 1600 | 18100 | – | 0.85 | 241329725/601128 | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3528 - ■■■■■■ - ■■ D1 | |
| 341.78 | 4.2 | 1600 | 18100 | – | 1.12 | 45656975/133584 | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3528 - ■■■■■■ - ■■ C1 | |
| 292.96 | 4.9 | 1600 | 18100 | – | 1.48 | 6522425/22264 | | | ✓ | ✓ | ✓ | | | 2KJ3528 - ■■■■■■ - ■■ B1 | |
| 252.27 | 5.7 | 1600 | 18100 | – | 1.92 | 202195175/801504 | | | ✓ | ✓ | ✓ | | | 2KJ3528 - ■■■■■■ - ■■ A1 | |
| K.89-D39 | | | | | | | | | | | | | | | |
| 9761 | 0.15 | 1600 | 18100 | – | 0.17 | 1577036825/161568 | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3530 - ■■■■■■ - ■■ E1 | |
| 9010 | 0.16 | 1600 | 18100 | – | 0.21 | 121310525/13464 | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3530 - ■■■■■■ - ■■ D1 | |
| 7888 | 0.18 | 1600 | 18100 | – | 0.25 | 6436885/816 | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3530 - ■■■■■■ - ■■ C1 | |
| 6916 | 0.21 | 1600 | 18100 | – | 0.23 | 279360809/40392 | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3530 - ■■■■■■ - ■■ B1 | |
| 6275 | 0.23 | 1600 | 18100 | – | 0.33 | 225290975/35904 | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3530 - ■■■■■■ - ■■ A1 | |

Article No. supplement

| | | |
|--|------------------------|--------------------------------|
| Shaft design | 1 or 9 | see page 10/49 |
| Motor frame size, motor type, efficiency class | | see chapter 9 |
| Frequency and voltage | 2 or 9 | see page 11/2 |
| Gearbox mounting type | A, F, H, C or D | see page 10/42 |

¹⁾ Only in conjunction with reduced-backlash version

Selection and ordering data

| <i>i</i> | n_2 rpm | T_{2N} Nm | F_{R2} N | φ ¹⁾ | J_G 10 ⁻⁴ kgm ² | R_{ex} | Motor frame size | | | | | | | | Article No. (Article No. supplement, see below) |
|------------------|--------------|----------------|---------------|-------------------------|--|-------------------|------------------|----|----|----|-----|-----|-----|--------------------------|--|
| | | | | | | | 63 | 71 | 80 | 90 | 100 | 112 | 132 | 160 | |
| K.109-Z39 | | | | | | | | | | | | | | | |
| 6638 | 0.22 | 2900 | 24500 | – | 0.06 | 55861988/8415 | ✓ | ✓ | | | | | | 2KJ3531 - ■■■■■■ - ■■ F2 | |
| 5903 | 0.25 | 2900 | 24500 | – | 0.07 | 27594476/4675 | ✓ | ✓ | ✓ | ✓ | | | | 2KJ3531 - ■■■■■■ - ■■ F2 | |
| 5183 | 0.28 | 2900 | 24500 | – | 0.08 | 24229296/4675 | ✓ | ✓ | ✓ | ✓ | | | | 2KJ3531 - ■■■■■■ - ■■ E2 | |
| 4712 | 0.31 | 2900 | 24500 | – | 0.10 | 48458592/10285 | ✓ | ✓ | ✓ | ✓ | | | | 2KJ3531 - ■■■■■■ - ■■ D2 | |
| 4031 | 0.36 | 2900 | 24500 | – | 0.12 | 18845008/4675 | ✓ | ✓ | ✓ | ✓ | | | | 2KJ3531 - ■■■■■■ - ■■ C2 | |
| 3665 | 0.40 | 2900 | 24500 | – | 0.14 | 37690016/10285 | ✓ | ✓ | ✓ | ✓ | | | | 2KJ3531 - ■■■■■■ - ■■ B2 | |
| 3239 | 0.45 | 2900 | 24500 | – | 0.17 | 3028662/935 | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3531 - ■■■■■■ - ■■ A2 | |
| 2945 | 0.49 | 2900 | 24500 | – | 0.23 | 6057324/2057 | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3531 - ■■■■■■ - ■■ W1 | |
| 2579 | 0.56 | 2900 | 24500 | – | 0.26 | 7235137/2805 | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3531 - ■■■■■■ - ■■ V1 | |
| 2381 | 0.61 | 2900 | 24500 | – | 0.31 | 2226196/935 | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3531 - ■■■■■■ - ■■ U1 | |
| 2108 | 0.69 | 2900 | 24500 | – | 0.36 | 1971034/935 | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3531 - ■■■■■■ - ■■ T1 | |
| 1755 | 0.83 | 2900 | 24500 | – | 0.48 | 6562101/3740 | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3531 - ■■■■■■ - ■■ S1 | |
| 1651 | 0.88 | 2900 | 24500 | – | 0.57 | 26248404/15895 | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3531 - ■■■■■■ - ■■ R1 | |
| 1480 | 0.98 | 2900 | 24500 | – | 0.62 | 12451166/8415 | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3531 - ■■■■■■ - ■■ Q1 | |
| 1260 | 1.2 | 2900 | 24500 | – | 0.80 | 1177813/935 | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3531 - ■■■■■■ - ■■ P1 | |
| 1080 | 1.3 | 2900 | 24500 | – | 1.05 | 1009554/935 | | | ✓ | ✓ | ✓ | | | 2KJ3531 - ■■■■■■ - ■■ N1 | |
| 930 | 1.6 | 2900 | 24500 | – | 1.34 | 5216029/5610 | | | ✓ | ✓ | ✓ | | | 2KJ3531 - ■■■■■■ - ■■ M1 | |
| 767 | 1.9 | 2900 | 24500 | – | 0.63 | 13196313/17204 | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3531 - ■■■■■■ - ■■ L1 | |
| 722 | 2.0 | 2900 | 24500 | – | 0.73 | 52785252/73117 | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3531 - ■■■■■■ - ■■ K1 | |
| 647 | 2.2 | 2900 | 24500 | – | 0.83 | 8346386/12903 | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3531 - ■■■■■■ - ■■ J1 | |
| 551 | 2.6 | 2900 | 24500 | – | 1.09 | 2368569/4301 | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3531 - ■■■■■■ - ■■ H1 | |
| 519 | 2.8 | 2900 | 24500 | – | 1.40 | 88672493/170775 | | | ✓ | ✓ | ✓ | | | 2KJ3531 - ■■■■■■ - ■■ G1 | |
| 428 | 3.4 | 2900 | 24500 | – | 0.73 | 24926369/58190 | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3531 - ■■■■■■ - ■■ F1 | |
| 403 | 3.6 | 2900 | 24500 | – | 0.84 | 11730056/29095 | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3531 - ■■■■■■ - ■■ E1 | |
| 361 | 4.0 | 2900 | 24500 | – | 0.97 | 283777124/785565 | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3531 - ■■■■■■ - ■■ D1 | |
| 307.54 | 4.7 | 2900 | 24500 | – | 1.28 | 26843782/87285 | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3531 - ■■■■■■ - ■■ C1 | |
| 263.61 | 5.5 | 2900 | 24500 | – | 1.70 | 7669652/29095 | | | ✓ | ✓ | ✓ | | | 2KJ3531 - ■■■■■■ - ■■ B1 | |
| 227 | 6.4 | 2900 | 24500 | – | 2.20 | 59439803/261855 | | | ✓ | ✓ | ✓ | | | 2KJ3531 - ■■■■■■ - ■■ A1 | |
| K.109-D39 | | | | | | | | | | | | | | | |
| 13352 | 0.11 | 2900 | 24500 | – | 0.12 | 57881096/4335 | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3532 - ■■■■■■ - ■■ G1 | |
| 11918 | 0.12 | 2900 | 24500 | – | 0.15 | 2083719456/174845 | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3532 - ■■■■■■ - ■■ F1 | |
| 10621 | 0.14 | 2900 | 24500 | – | 0.17 | 101291918/9537 | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3532 - ■■■■■■ - ■■ E1 | |
| 9804 | 0.15 | 2900 | 24500 | – | 0.21 | 31166744/3179 | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3532 - ■■■■■■ - ■■ D1 | |
| 8583 | 0.17 | 2900 | 24500 | – | 0.25 | 12403092/1445 | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3532 - ■■■■■■ - ■■ C1 | |
| 7526 | 0.19 | 2900 | 24500 | – | 0.23 | 1794313976/238425 | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3532 - ■■■■■■ - ■■ B1 | |
| 6828 | 0.21 | 2900 | 24500 | – | 0.33 | 21705411/3179 | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3532 - ■■■■■■ - ■■ A1 | |

Article No. supplement

| | | |
|--|------------------------|--------------------------------|
| Shaft design | 1 or 9 | see page 10/49 |
| Motor frame size, motor type, efficiency class | | see chapter 9 |
| Frequency and voltage | 2 or 9 | see page 11/2 |
| Gearbox mounting type | A, F, H, C or D | see page 10/42 |

¹⁾ Only in conjunction with reduced-backlash version

SIMOGEAR geared motors

Bevel geared motors

Transmission ratios and torques for very low speeds

Selection and ordering data

| i | n ₂ rpm | T _{2N} Nm | F _{R2} N | φ ¹⁾ | J _G 10 ⁻⁴ kgm ² | R _{ex} | Motor frame size | | | | | | | | Article No. (Article No. supplement, see below) |
|------------------|-----------------------|-----------------------|----------------------|-----------------|---|-------------------|------------------|----|----|----|-----|-----|-----|--------------------------|--|
| | | | | | | | 63 | 71 | 80 | 90 | 100 | 112 | 132 | 160 | |
| K.129-Z39 | | | | | | | | | | | | | | | |
| 5743 | 0.25 | 4400 | 37600 | – | 0.06 | 209316289/36450 | ✓ | ✓ | | | | | | 2KJ3533 - ■■■■■■ - ■■ A2 | |
| 5106 | 0.28 | 4400 | 37600 | – | 0.07 | 103397203/20250 | ✓ | ✓ | ✓ | ✓ | | | | 2KJ3533 - ■■■■■■ - ■■ X1 | |
| 4483 | 0.32 | 4400 | 37600 | – | 0.09 | 5043766/1125 | ✓ | ✓ | ✓ | ✓ | | | | 2KJ3533 - ■■■■■■ - ■■ W1 | |
| 4076 | 0.36 | 4400 | 37600 | – | 0.11 | 10087532/2475 | ✓ | ✓ | ✓ | ✓ | | | | 2KJ3533 - ■■■■■■ - ■■ V1 | |
| 3487 | 0.42 | 4400 | 37600 | – | 0.13 | 35306362/10125 | ✓ | ✓ | ✓ | ✓ | | | | 2KJ3533 - ■■■■■■ - ■■ U1 | |
| 3170 | 0.46 | 4400 | 37600 | – | 0.15 | 70612724/22275 | ✓ | ✓ | ✓ | ✓ | | | | 2KJ3533 - ■■■■■■ - ■■ T1 | |
| 2802 | 0.52 | 4400 | 37600 | – | 0.18 | 2521883/900 | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3533 - ■■■■■■ - ■■ S1 | |
| 2547 | 0.57 | 4400 | 37600 | – | 0.24 | 2521883/990 | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3533 - ■■■■■■ - ■■ R1 | |
| 2231 | 0.65 | 4400 | 37600 | – | 0.28 | 108440969/48600 | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3533 - ■■■■■■ - ■■ Q1 | |
| 2060 | 0.70 | 4400 | 37600 | – | 0.33 | 8341613/4050 | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3533 - ■■■■■■ - ■■ P1 | |
| 1824 | 0.79 | 4400 | 37600 | – | 0.39 | 14771029/8100 | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3533 - ■■■■■■ - ■■ N1 | |
| 1518 | 0.96 | 4400 | 37600 | – | 0.53 | 32784479/21600 | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3533 - ■■■■■■ - ■■ M1 | |
| 1429 | 1.0 | 4400 | 37600 | – | 0.61 | 32784479/22950 | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3533 - ■■■■■■ - ■■ L1 | |
| 1280 | 1.1 | 4400 | 37600 | – | 0.68 | 93309671/72900 | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3533 - ■■■■■■ - ■■ K1 | |
| 1090 | 1.3 | 4400 | 37600 | – | 0.88 | 17653181/16200 | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3533 - ■■■■■■ - ■■ J1 | |
| 934 | 1.6 | 4400 | 37600 | – | 1.16 | 2521883/2700 | | | ✓ | ✓ | ✓ | | | 2KJ3533 - ■■■■■■ - ■■ H1 | |
| 804 | 1.8 | 4400 | 37600 | – | 1.48 | 78178373/97200 | | | ✓ | ✓ | ✓ | | | 2KJ3533 - ■■■■■■ - ■■ G1 | |
| 664 | 2.2 | 4400 | 37600 | – | 0.85 | 21976409/33120 | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3533 - ■■■■■■ - ■■ F1 | |
| 625 | 2.3 | 4400 | 37600 | – | 0.98 | 21976409/35190 | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3533 - ■■■■■■ - ■■ E1 | |
| 560 | 2.6 | 4400 | 37600 | – | 1.13 | 62548241/111780 | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3533 - ■■■■■■ - ■■ D1 | |
| 476 | 3.0 | 4400 | 37600 | – | 1.51 | 11833451/24840 | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3533 - ■■■■■■ - ■■ C1 | |
| 408 | 3.6 | 4400 | 37600 | – | 2.00 | 1690493/4140 | | | ✓ | ✓ | ✓ | | | 2KJ3533 - ■■■■■■ - ■■ B1 | |
| 352 | 4.1 | 4400 | 37600 | – | 2.60 | 52405283/149040 | | | ✓ | ✓ | ✓ | | | 2KJ3533 - ■■■■■■ - ■■ A1 | |
| K.129-D39 | | | | | | | | | | | | | | | |
| 14490 | 0.10 | 4400 | 40000 | – | 0.09 | 2494142287/172125 | ✓ | ✓ | ✓ | ✓ | | | | 2KJ3534 - ■■■■■■ - ■■ H1 | |
| 13173 | 0.11 | 4400 | 40000 | – | 0.10 | 4988284574/378675 | ✓ | ✓ | ✓ | ✓ | | | | 2KJ3534 - ■■■■■■ - ■■ G1 | |
| 11550 | 0.13 | 4400 | 40000 | – | 0.12 | 1192850659/103275 | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3534 - ■■■■■■ - ■■ F1 | |
| 10309 | 0.14 | 4400 | 40000 | – | 0.15 | 433763876/42075 | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3534 - ■■■■■■ - ■■ E1 | |
| 9188 | 0.16 | 4400 | 40000 | – | 0.18 | 759086783/82620 | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3534 - ■■■■■■ - ■■ D1 | |
| 8481 | 0.17 | 4400 | 40000 | – | 0.21 | 58391291/6885 | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3534 - ■■■■■■ - ■■ C1 | |
| 7425 | 0.20 | 4400 | 40000 | – | 0.25 | 170407237/22950 | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3534 - ■■■■■■ - ■■ B1 | |
| 6510 | 0.22 | 4400 | 40000 | – | 0.23 | 3361670039/516375 | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3534 - ■■■■■■ - ■■ A1 | |

Article No. supplement

Shaft design **1 or 9** [see page 10/49](#)Motor frame size, motor type, efficiency class [see chapter 9](#)Frequency and voltage **2 or 9** [see page 11/2](#)Gearbox mounting type **A, F, H, C or D** [see page 10/42](#)

1) Only in conjunction with reduced-backlash version

Selection and ordering data

| <i>i</i> | <i>n</i> ₂ rpm | <i>T</i> _{2N} Nm | <i>F</i> _{R2} N | φ ¹⁾ | <i>J</i> _G 10 ⁻⁴ kgm ² | <i>R</i> _{ex} | Motor frame size | | | | | | | | Article No. (Article No. supplement, see below) |
|------------------|------------------------------|------------------------------|-----------------------------|-----------------|--|------------------------|------------------|----|----|----|-----|-----|-----|-----|--|
| | | | | | | | 63 | 71 | 80 | 90 | 100 | 112 | 132 | 160 | |
| K.149-Z49 | | | | | | | | | | | | | | | |
| 4149 | 0.35 | 8000 | 65000 | – | 0.18 | 58423197/14080 | ✓ | ✓ | ✓ | ✓ | | | | | 2KJ3535 - ■■■■■■ - ■■ B2 |
| 3772 | 0.38 | 8000 | 65000 | – | 0.22 | 58423197/15488 | ✓ | ✓ | ✓ | ✓ | | | | | 2KJ3535 - ■■■■■■ - ■■ A2 |
| 3208 | 0.45 | 8000 | 65000 | – | 0.28 | 9034515/2816 | ✓ | ✓ | ✓ | ✓ | | | | | 2KJ3535 - ■■■■■■ - ■■ X1 |
| 2917 | 0.5 | 8000 | 65000 | – | 0.34 | 45172575/15488 | ✓ | ✓ | ✓ | ✓ | | | | | 2KJ3535 - ■■■■■■ - ■■ W1 |
| 2602 | 0.56 | 8000 | 65000 | – | 0.39 | 14655991/5632 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3535 - ■■■■■■ - ■■ V1 |
| 2333 | 0.62 | 8000 | 65000 | – | 0.47 | 9034515/3872 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3535 - ■■■■■■ - ■■ U1 |
| 2103 | 0.69 | 8000 | 65000 | – | 0.55 | 11845253/5632 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3535 - ■■■■■■ - ■■ T1 |
| 1941 | 0.75 | 8000 | 65000 | – | 0.66 | 35535759/18304 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3535 - ■■■■■■ - ■■ S1 |
| 1772 | 0.82 | 8000 | 65000 | – | 0.78 | 2495247/1408 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | 2KJ3535 - ■■■■■■ - ■■ R1 |
| 1470 | 0.99 | 8000 | 65000 | – | 1.00 | 3011505/2048 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | 2KJ3535 - ■■■■■■ - ■■ Q1 |
| 1384 | 1.0 | 8000 | 65000 | – | 1.16 | 3011505/2176 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | 2KJ3535 - ■■■■■■ - ■■ P1 |
| 1307 | 1.1 | 8000 | 65000 | – | 1.31 | 1003835/768 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | 2KJ3535 - ■■■■■■ - ■■ N1 |
| 1112 | 1.3 | 8000 | 65000 | – | 1.62 | 7829913/7040 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | 2KJ3535 - ■■■■■■ - ■■ M1 |
| 953 | 1.5 | 8000 | 65000 | – | 2.00 | 29512749/30976 | | | ✓ | ✓ | ✓ | ✓ | ✓ | | 2KJ3535 - ■■■■■■ - ■■ L1 |
| 838 | 1.7 | 8000 | 65000 | – | 2.50 | 9436049/11264 | | | ✓ | ✓ | ✓ | ✓ | ✓ | | 2KJ3535 - ■■■■■■ - ■■ K1 |
| 707 | 2.1 | 8000 | 65000 | – | 3.20 | 497553/704 | | | ✓ | ✓ | ✓ | ✓ | ✓ | | 2KJ3535 - ■■■■■■ - ■■ J1 |
| 616 | 2.4 | 8000 | 65000 | – | 4.20 | 5420709/8800 | | | ✓ | ✓ | ✓ | ✓ | ✓ | | 2KJ3535 - ■■■■■■ - ■■ H1 |
| 608 | 2.4 | 8000 | 65000 | – | 1.81 | 826413/1360 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | 2KJ3535 - ■■■■■■ - ■■ G1 |
| 574 | 2.5 | 8000 | 65000 | – | 2.00 | 275471/480 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | 2KJ3535 - ■■■■■■ - ■■ F1 |
| 488 | 3.0 | 8000 | 65000 | – | 2.60 | 10743369/22000 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | 2KJ3535 - ■■■■■■ - ■■ E1 |
| 418 | 3.5 | 8000 | 65000 | – | 3.40 | 40494237/96800 | | | ✓ | ✓ | ✓ | ✓ | ✓ | | 2KJ3535 - ■■■■■■ - ■■ D1 |
| 368 | 3.9 | 8000 | 65000 | – | 4.30 | 12947137/35200 | | | ✓ | ✓ | ✓ | ✓ | ✓ | | 2KJ3535 - ■■■■■■ - ■■ C1 |
| 310.31 | 4.7 | 8000 | 65000 | – | 5.70 | 682689/2200 | | | ✓ | ✓ | ✓ | ✓ | ✓ | | 2KJ3535 - ■■■■■■ - ■■ B1 |
| 270.46 | 5.4 | 8000 | 65000 | – | 7.50 | 7437717/27500 | | | ✓ | ✓ | ✓ | ✓ | ✓ | | 2KJ3535 - ■■■■■■ - ■■ A1 |
| K.149-D49 | | | | | | | | | | | | | | | |
| 13575 | 0.11 | 8000 | 65000 | – | 0.12 | 23891273/1760 | ✓ | ✓ | ✓ | ✓ | | | | | 2KJ3536 - ■■■■■■ - ■■ L1 |
| 12341 | 0.12 | 8000 | 65000 | – | 0.14 | 23891273/1936 | ✓ | ✓ | ✓ | ✓ | | | | | 2KJ3536 - ■■■■■■ - ■■ K1 |
| 10908 | 0.13 | 8000 | 65000 | – | 0.17 | 30717351/2816 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3536 - ■■■■■■ - ■■ J1 |
| 9917 | 0.15 | 8000 | 65000 | – | 0.22 | 153586755/15488 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3536 - ■■■■■■ - ■■ H1 |
| 8686 | 0.17 | 8000 | 65000 | – | 0.26 | 146760677/16896 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3536 - ■■■■■■ - ■■ G1 |
| 8018 | 0.18 | 8000 | 65000 | – | 0.31 | 146760677/18304 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3536 - ■■■■■■ - ■■ F1 |
| 7099 | 0.20 | 8000 | 65000 | – | 0.37 | 19990657/2816 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | 2KJ3536 - ■■■■■■ - ■■ E1 |
| 5909 | 0.25 | 8000 | 65000 | – | 0.50 | 133108521/22528 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | 2KJ3536 - ■■■■■■ - ■■ D1 |
| 5561 | 0.26 | 8000 | 65000 | – | 0.59 | 7829913/1408 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | 2KJ3536 - ■■■■■■ - ■■ C1 |
| 4983 | 0.29 | 8000 | 65000 | – | 0.66 | 126282443/25344 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | 2KJ3536 - ■■■■■■ - ■■ B1 |
| 4242 | 0.34 | 8000 | 65000 | – | 0.86 | 23891273/5632 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | 2KJ3536 - ■■■■■■ - ■■ A1 |

Article No. supplement

| | | |
|--|------------------------|--------------------------------|
| Shaft design | 1 or 9 | see page 10/49 |
| Motor frame size, motor type, efficiency class | | see chapter 9 |
| Frequency and voltage | 2 or 9 | see page 11/2 |
| Gearbox mounting type | A, F, H, C or D | see page 10/42 |

¹⁾ Only in conjunction with reduced-backlash version

SIMOGEAR geared motors

Bevel geared motors

Transmission ratios and torques for very low speeds

Selection and ordering data

| i | n ₂ rpm | T _{2N} Nm | F _{R2} N | φ ¹⁾ | J _G 10 ⁻⁴ kgm ² | R _{ex} | Motor frame size | | | | | | | | Article No. (Article No. supplement, see below) |
|------------------|-----------------------|-----------------------|----------------------|-----------------|---|---------------------|------------------|----|----|----|-----|-----|-----|--------------------------|--|
| | | | | | | | 63 | 71 | 80 | 90 | 100 | 112 | 132 | 160 | |
| K.169-Z49 | | | | | | | | | | | | | | | |
| 6248 | 0.23 | 13000 | 70000 | – | 0.19 | 1799298493/288000 | ✓ | ✓ | ✓ | ✓ | | | | 2KJ3537 - ■■■■■■ - ■■ C2 | |
| 5680 | 0.26 | 13000 | 70000 | – | 0.23 | 1799298493/316800 | ✓ | ✓ | ✓ | ✓ | | | | 2KJ3537 - ■■■■■■ - ■■ B2 | |
| 4831 | 0.30 | 13000 | 70000 | – | 0.28 | 18549469/3840 | ✓ | ✓ | ✓ | ✓ | | | | 2KJ3537 - ■■■■■■ - ■■ A2 | |
| 4391 | 0.33 | 13000 | 70000 | – | 0.34 | 18549469/4224 | ✓ | ✓ | ✓ | ✓ | | | | 2KJ3537 - ■■■■■■ - ■■ X1 | |
| 3918 | 0.37 | 13000 | 70000 | – | 0.40 | 1354111237/345600 | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3537 - ■■■■■■ - ■■ W1 | |
| 3513 | 0.41 | 13000 | 70000 | – | 0.48 | 18549469/5280 | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3537 - ■■■■■■ - ■■ V1 | |
| 3167 | 0.46 | 13000 | 70000 | – | 0.57 | 1094418671/345600 | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3537 - ■■■■■■ - ■■ U1 | |
| 2923 | 0.50 | 13000 | 70000 | – | 0.67 | 1094418671/374400 | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3537 - ■■■■■■ - ■■ T1 | |
| 2668 | 0.54 | 13000 | 70000 | – | 0.80 | 537934601/201600 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | 2KJ3537 - ■■■■■■ - ■■ S1 | |
| 2214 | 0.65 | 13000 | 70000 | – | 1.03 | 204044159/92160 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | 2KJ3537 - ■■■■■■ - ■■ R1 | |
| 2084 | 0.70 | 13000 | 70000 | – | 1.19 | 204044159/97920 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | 2KJ3537 - ■■■■■■ - ■■ Q1 | |
| 1968 | 0.74 | 13000 | 70000 | – | 1.35 | 204044159/103680 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | 2KJ3537 - ■■■■■■ - ■■ P1 | |
| 1675 | 0.87 | 13000 | 70000 | – | 1.67 | 241143097/144000 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | 2KJ3537 - ■■■■■■ - ■■ N1 | |
| 1435 | 1.0 | 13000 | 70000 | – | 2.10 | 908923981/633600 | | | ✓ | ✓ | ✓ | ✓ | | 2KJ3537 - ■■■■■■ - ■■ M1 | |
| 1261 | 1.1 | 13000 | 70000 | – | 2.60 | 871825043/691200 | | | ✓ | ✓ | ✓ | ✓ | | 2KJ3537 - ■■■■■■ - ■■ L1 | |
| 1064 | 1.4 | 13000 | 70000 | – | 3.30 | 352439911/331200 | | | ✓ | ✓ | ✓ | ✓ | | 2KJ3537 - ■■■■■■ - ■■ K1 | |
| 927 | 1.6 | 13000 | 70000 | – | 4.40 | 18549469/20000 | | | ✓ | ✓ | ✓ | ✓ | | 2KJ3537 - ■■■■■■ - ■■ J1 | |
| 915 | 1.6 | 13000 | 70000 | – | 1.98 | 279967567/306000 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | 2KJ3537 - ■■■■■■ - ■■ H1 | |
| 864 | 1.7 | 13000 | 70000 | – | 2.20 | 279967567/324000 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | 2KJ3537 - ■■■■■■ - ■■ G1 | |
| 735 | 2.0 | 13000 | 70000 | – | 2.90 | 330870761/450000 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | 2KJ3537 - ■■■■■■ - ■■ F1 | |
| 630 | 2.3 | 13000 | 70000 | – | 3.80 | 1247128253/1980000 | | | ✓ | ✓ | ✓ | ✓ | | 2KJ3537 - ■■■■■■ - ■■ E1 | |
| 554 | 2.6 | 13000 | 70000 | – | 4.70 | 1196225059/2160000 | | | ✓ | ✓ | ✓ | ✓ | | 2KJ3537 - ■■■■■■ - ■■ D1 | |
| 467 | 3.1 | 13000 | 70000 | – | 6.30 | 483580343/1035000 | | | ✓ | ✓ | ✓ | ✓ | | 2KJ3537 - ■■■■■■ - ■■ C1 | |
| 416 | 3.5 | 13000 | 70000 | – | 6.90 | 25840171/62100 | | | ✓ | ✓ | ✓ | ✓ | | 2KJ3537 - ■■■■■■ - ■■ B1 | |
| 363 | 4.0 | 13000 | 70000 | – | 9.10 | 1360009/3750 | | | ✓ | ✓ | ✓ | ✓ | | 2KJ3537 - ■■■■■■ - ■■ A1 | |
| K.169-D49 | | | | | | | | | | | | | | | |
| 14931 | 0.10 | 13000 | 70000 | – | 0.22 | 315340973/21120 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | 2KJ3538 - ■■■■■■ - ■■ H1 | |
| 13078 | 0.11 | 13000 | 70000 | – | 0.26 | 13559661839/1036800 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | 2KJ3538 - ■■■■■■ - ■■ G1 | |
| 12072 | 0.12 | 13000 | 70000 | – | 0.31 | 13559661839/1123200 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | 2KJ3538 - ■■■■■■ - ■■ F1 | |
| 10689 | 0.14 | 13000 | 70000 | – | 0.38 | 12928979893/1209600 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | 2KJ3538 - ■■■■■■ - ■■ E1 | |
| 8896 | 0.16 | 13000 | 70000 | – | 0.51 | 4099432649/460800 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | 2KJ3538 - ■■■■■■ - ■■ D1 | |
| 8373 | 0.17 | 13000 | 70000 | – | 0.59 | 241143097/28800 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | 2KJ3538 - ■■■■■■ - ■■ C1 | |
| 7502 | 0.19 | 13000 | 70000 | – | 0.66 | 11667616001/1555200 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | 2KJ3538 - ■■■■■■ - ■■ B1 | |
| 6387 | 0.23 | 13000 | 70000 | – | 0.86 | 2207386811/345600 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | 2KJ3538 - ■■■■■■ - ■■ A1 | |

Article No. supplement

| | | |
|--|------------------------|--------------------------------|
| Shaft design | 1 or 9 | see page 10/49 |
| Motor frame size, motor type, efficiency class | | see chapter 9 |
| Frequency and voltage | 2 or 9 | see page 11/2 |
| Gearbox mounting type | A, F, H, C or D | see page 10/42 |

¹⁾ Only in conjunction with reduced-backlash version

Selection and ordering data

| <i>i</i> | <i>n</i> ₂ rpm | <i>T</i> _{2N} Nm | <i>F</i> _{R2} N | φ ¹⁾ | <i>J</i> _G 10 ⁻⁴ kgm ² | <i>R</i> _{ex} | Motor frame size | | | | | | | | Article No. (Article No. supplement, see below) |
|------------------|------------------------------|------------------------------|-----------------------------|-------------------------|--|------------------------|------------------|----|----|----|-----|-----|-----|-----|--|
| | | | | | | | 63 | 71 | 80 | 90 | 100 | 112 | 132 | 160 | |
| K.189-Z69 | | | | | | | | | | | | | | | |
| 6375 | 0.23 | 19500 | 104000 | – | 0.21 | 3793088/595 | ✓ | ✓ | ✓ | ✓ | | | | | 2KJ3540 - ■■■■■■ - ■■ C2 |
| 5795 | 0.25 | 19500 | 104000 | – | 0.26 | 7586176/1309 | ✓ | ✓ | ✓ | ✓ | | | | | 2KJ3540 - ■■■■■■ - ■■ B2 |
| 4929 | 0.29 | 19500 | 104000 | – | 0.32 | 586560/119 | ✓ | ✓ | ✓ | ✓ | | | | | 2KJ3540 - ■■■■■■ - ■■ A2 |
| 4481 | 0.32 | 19500 | 104000 | – | 0.39 | 5865600/1309 | ✓ | ✓ | ✓ | ✓ | | | | | 2KJ3540 - ■■■■■■ - ■■ X1 |
| 3998 | 0.36 | 19500 | 104000 | – | 0.46 | 1427296/357 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3540 - ■■■■■■ - ■■ W1 |
| 3585 | 0.40 | 19500 | 104000 | – | 0.56 | 4692480/1309 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3540 - ■■■■■■ - ■■ V1 |
| 3231 | 0.45 | 19500 | 104000 | – | 0.66 | 1153568/357 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3540 - ■■■■■■ - ■■ U1 |
| 2983 | 0.49 | 19500 | 104000 | – | 0.78 | 354944/119 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | 2KJ3540 - ■■■■■■ - ■■ T1 |
| 2723 | 0.53 | 19500 | 104000 | – | 0.93 | 2268032/833 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | 2KJ3540 - ■■■■■■ - ■■ S1 |
| 2259 | 0.64 | 19500 | 104000 | – | 1.23 | 268840/119 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | 2KJ3540 - ■■■■■■ - ■■ R1 |
| 2126 | 0.68 | 19500 | 104000 | – | 1.41 | 4301440/2023 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | 2KJ3540 - ■■■■■■ - ■■ Q1 |
| 2008 | 0.72 | 19500 | 104000 | – | 1.59 | 2150720/1071 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | 2KJ3540 - ■■■■■■ - ■■ P1 |
| 1709 | 0.85 | 19500 | 104000 | – | 2.0 | 1016704/595 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | 2KJ3540 - ■■■■■■ - ■■ N1 |
| 1464 | 0.99 | 19500 | 104000 | – | 2.5 | 273728/187 | | | ✓ | ✓ | ✓ | ✓ | ✓ | | 2KJ3540 - ■■■■■■ - ■■ M1 |
| 1287 | 1.1 | 19500 | 104000 | – | 3.2 | 459472/357 | | | ✓ | ✓ | ✓ | ✓ | ✓ | | 2KJ3540 - ■■■■■■ - ■■ L1 |
| 1086 | 1.3 | 19500 | 104000 | – | 4.1 | 2971904/2737 | | | ✓ | ✓ | ✓ | ✓ | ✓ | | 2KJ3540 - ■■■■■■ - ■■ K1 |
| 946 | 1.5 | 19500 | 104000 | – | 5.5 | 2815488/2975 | | | ✓ | ✓ | ✓ | ✓ | ✓ | | 2KJ3540 - ■■■■■■ - ■■ J1 |
| 889 | 1.6 | 19500 | 104000 | – | 3.1 | 3128320/3519 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | 2KJ3540 - ■■■■■■ - ■■ H1 |
| 756 | 1.9 | 19500 | 104000 | – | 4.0 | 16267264/21505 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | 2KJ3540 - ■■■■■■ - ■■ G1 |
| 648 | 2.2 | 19500 | 104000 | – | 5.3 | 30657536/47311 | | | ✓ | ✓ | ✓ | ✓ | ✓ | | 2KJ3540 - ■■■■■■ - ■■ F1 |
| 570 | 2.5 | 19500 | 104000 | – | 6.7 | 7351552/12903 | | | ✓ | ✓ | ✓ | ✓ | ✓ | | 2KJ3540 - ■■■■■■ - ■■ E1 |
| 481 | 3.0 | 19500 | 104000 | – | 9.1 | 47550464/98923 | | | ✓ | ✓ | ✓ | ✓ | ✓ | | 2KJ3540 - ■■■■■■ - ■■ D1 |
| 419 | 3.5 | 19500 | 104000 | – | 12 | 45047808/107525 | | | ✓ | ✓ | ✓ | ✓ | ✓ | | 2KJ3540 - ■■■■■■ - ■■ C1 |
| 384 | 3.8 | 19500 | 104000 | – | 11 | 37948928/98923 | | | ✓ | ✓ | ✓ | ✓ | ✓ | | 2KJ3540 - ■■■■■■ - ■■ B1 |
| 334.36 | 4.3 | 19500 | 104000 | – | 14 | 35951616/107525 | | | ✓ | ✓ | ✓ | ✓ | ✓ | | 2KJ3540 - ■■■■■■ - ■■ A1 |
| K.189-D69 | | | | | | | | | | | | | | | |
| 13345 | 0.11 | 19500 | 104000 | – | 0.26 | 840736/63 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | 2KJ3541 - ■■■■■■ - ■■ G1 |
| 12318 | 0.12 | 19500 | 104000 | – | 0.32 | 258688/21 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | 2KJ3541 - ■■■■■■ - ■■ F1 |
| 10907 | 0.13 | 19500 | 104000 | – | 0.38 | 1603264/147 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | 2KJ3541 - ■■■■■■ - ■■ E1 |
| 9078 | 0.16 | 19500 | 104000 | – | 0.52 | 63544/7 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | 2KJ3541 - ■■■■■■ - ■■ D1 |
| 8544 | 0.17 | 19500 | 104000 | – | 0.61 | 1016704/119 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | 2KJ3541 - ■■■■■■ - ■■ C1 |
| 7655 | 0.19 | 19500 | 104000 | – | 0.67 | 1446848/189 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | 2KJ3541 - ■■■■■■ - ■■ B1 |
| 6517 | 0.22 | 19500 | 104000 | – | 0.89 | 19552/3 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | 2KJ3541 - ■■■■■■ - ■■ A1 |

Article No. supplement

| | | |
|--|------------------------|--------------------------------|
| Shaft design | 1 or 9 | see page 10/49 |
| Motor frame size, motor type, efficiency class | | see chapter 9 |
| Frequency and voltage | 2 or 9 | see page 11/2 |
| Gearbox mounting type | A, F, H, C or D | see page 10/42 |

1) Only in conjunction with reduced-backlash version

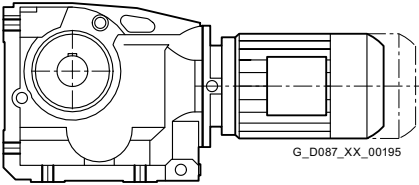
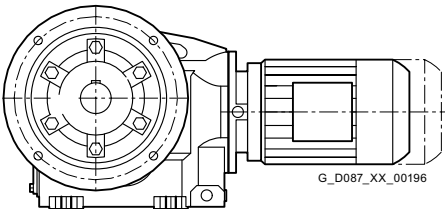
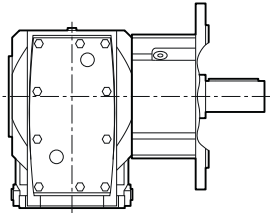
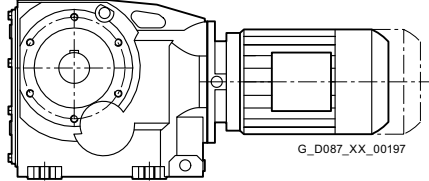
SIMOGEAR geared motors

Bevel geared motors

Dimensional drawings

Overview

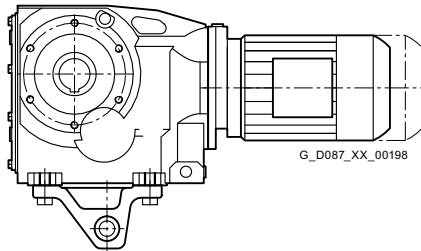
Information about dimensional drawings can be found in chapter [Introduction on page 1/24](#).

| Design | Frame size | Dimensional drawing on page |
|---|------------|-----------------------------|
| Bevel geared motors B and K | | |
| <i>Foot-mounted design</i> | | |
|  | B..19 | 5/70 |
| | B..29 | 5/74 |
| | B..39 | 5/78 |
| | B..49 | 5/82 |
| | K..39 | 5/86 |
| | K..49 | 5/90 |
| | K..69 | 5/94 |
| | K..79 | 5/98 |
| | K..89 | 5/102 |
| | K..109 | 5/107 |
| | K..129 | 5/112 |
| | K..149 | 5/117 |
| | K..169 | 5/122 |
| | K..189 | 5/127 |
| <i>Flange-mounted design</i> | | |
|  | B.F. 19 | 5/71 |
| | B.F. 29 | 5/75 |
| | B.F. 39 | 5/79 |
| | B.F. 49 | 5/83 |
| | K.F. 39 | 5/87 |
| | K.F. 49 | 5/91 |
| | K.F. 69 | 5/95 |
| | K.F. 79 | 5/99 |
| | K.F. 89 | 5/103 |
| | K.F. 109 | 5/108 |
| | K.F. 129 | 5/113 |
| | K.F. 149 | 5/118 |
| | K.F. 169 | 5/123 |
| | K.F. 189 | 5/128 |
| <i>Flange-mounted design with VLplus reinforced bearing system</i> | | |
|  | K.F. 89 | 5/104 |
| | K.F. 109 | 5/109 |
| | K.F. 129 | 5/114 |
| | K.F. 149 | 5/119 |
| | K.F. 169 | 5/124 |
| <i>Housing flange design</i> | | |
|  | B.Z. 19 | 5/72 |
| | B.Z. 29 | 5/76 |
| | B.Z. 39 | 5/80 |
| | B.Z. 49 | 5/84 |
| | K.Z. 39 | 5/88 |
| | K.Z. 49 | 5/92 |
| | K.Z. 69 | 5/96 |
| | K.Z. 79 | 5/100 |
| | K.Z. 89 | 5/105 |
| | K.Z. 109 | 5/110 |
| | K.Z. 129 | 5/115 |
| | K.Z. 149 | 5/120 |
| | K.Z. 169 | 5/125 |
| | K.Z. 189 | 5/129 |

Overview

| Design | Frame size | Dimensional drawing on page |
|--------|------------|-----------------------------|
|--------|------------|-----------------------------|

Bevel geared motors B and K

Shaft-mounted design

BAD.19 5/73

BAD.29 5/77

BAD.39 5/81

BAD.49 5/85

KAD.39 5/89

KAD.49 5/93

KAD.69 5/97

KAD.79 5/101

KAD.89 5/106

KAD.109 5/111

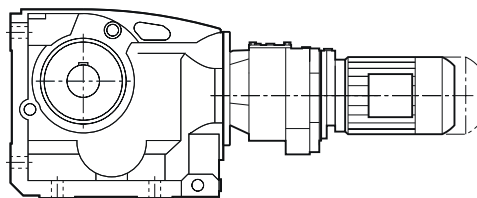
KAD.129 5/116

KAD.149 5/121

KAD.169 5/126

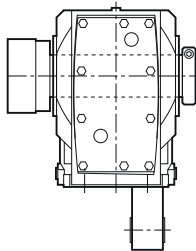
KAD.189 5/130

Bevel tandem geared motors



K.39-D/Z19 ... K.189-D/Z69 5/131 ... 5/132

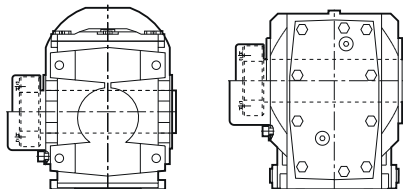
Additional versions and options

SIMOLOC assembly system

BADR29 ... BADR49 5/133 ... 5/134

KADR39 ... K..R89

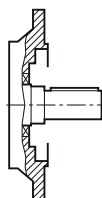
Protective covers



BA.19 ... KA.189

5/134 ... 5/135

Inner contour of the flange-mounted design



BF19 ... KF189 5/136

BAF19 ... KAF189

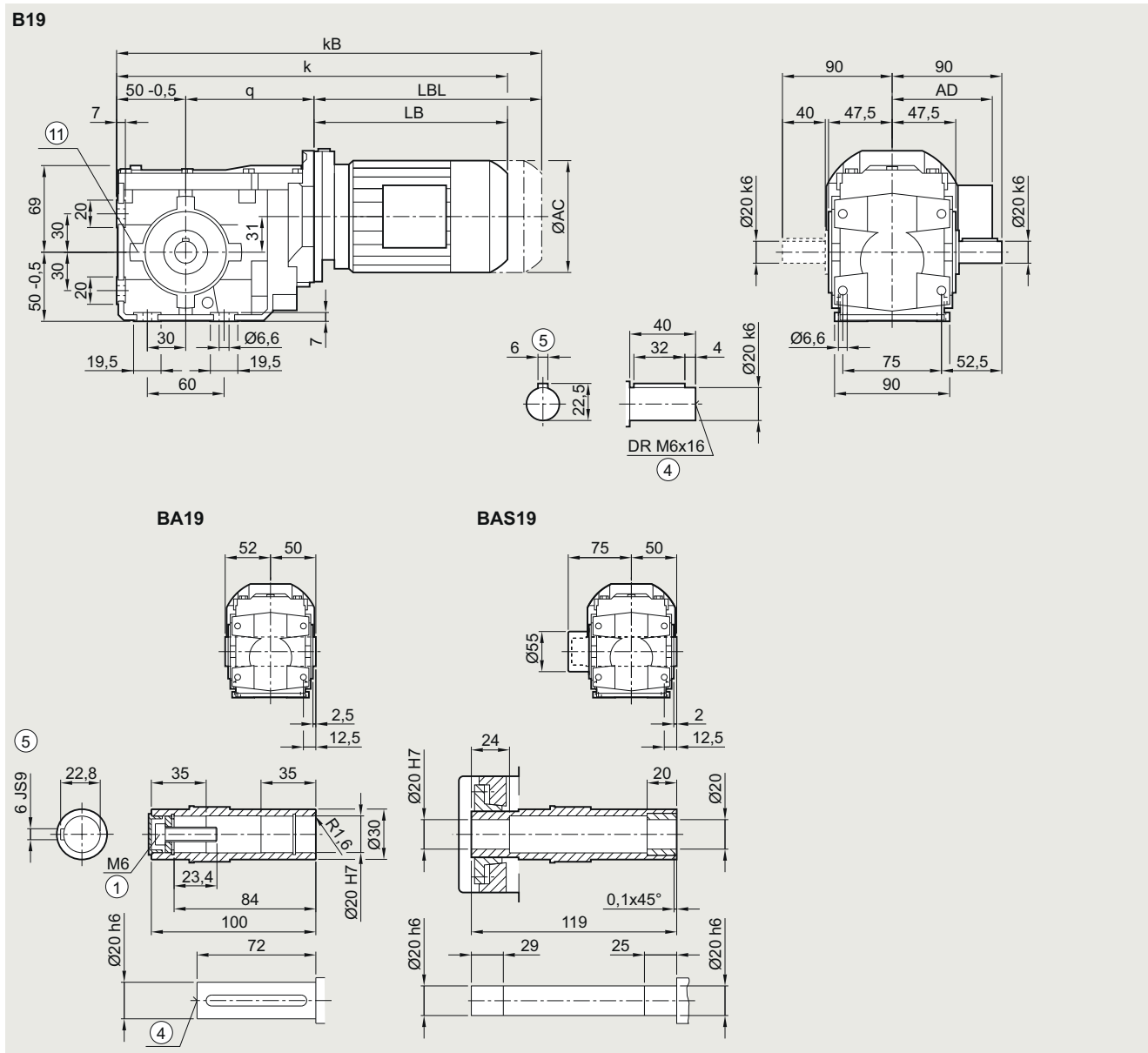
SIMOGEAR geared motors

Bevel geared motors

Dimensional drawings

Gearbox B..19 in a foot-mounted design

B030, BA030



| Motor | LE 63 | 63Z | 71 | 71Z | 71Y | 80 | 80Z |
|------------------|-------|-------|-------|-------|-------|-------|-------|
| q | 133.0 | 133.0 | 141.0 | 141.0 | 141.0 | 149.5 | 149.5 |
| AC | 117.8 | 117.8 | 138.8 | 138.8 | 138.8 | 156.3 | 156.3 |
| AD ¹⁾ | 124.0 | 124.0 | 134.0 | 134.0 | 134.0 | 149.2 | 149.2 |
| k | 343.5 | 369.5 | 375.5 | 394.5 | 434.5 | 439.5 | 474.5 |
| kB | 388.0 | 414.0 | 430.5 | 449.5 | 489.5 | 499.5 | 534.5 |
| LB | 160.5 | 186.5 | 184.5 | 203.5 | 243.5 | 240.0 | 275.0 |
| LBL | 205.0 | 231.0 | 239.5 | 258.5 | 298.5 | 300.0 | 335.0 |

① ISO 4014

④ DIN 332

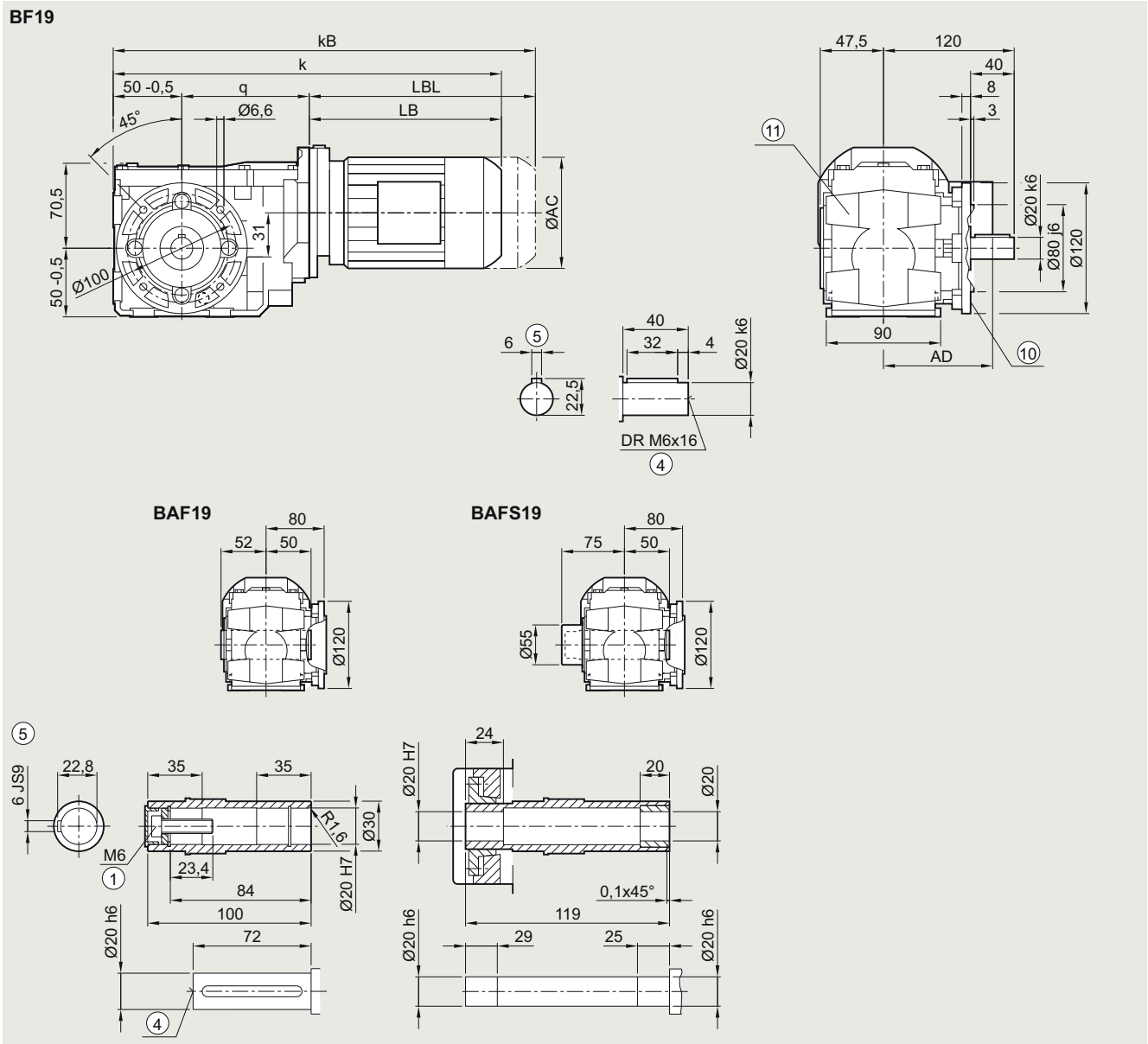
⑤ Feather key/keyway DIN 6885-1

¹⁾ AD depends on the motor options, for other dimensions, see page 9/46.

⑥ Use bores only for housing flange design

Gearbox B.F.19 in a flange-mounted design

BF030, BAF030



5

| Motor | LE 63 | 63Z | 71 | 71Z | 71Y | 80 | 80Z |
|------------------|-------|-------|-------|-------|-------|-------|-------|
| q | 133.0 | 133.0 | 141.0 | 141.0 | 141.0 | 149.5 | 149.5 |
| AC | 117.8 | 117.8 | 138.8 | 138.8 | 138.8 | 156.3 | 156.3 |
| AD ¹⁾ | 124.0 | 124.0 | 134.0 | 134.0 | 134.0 | 149.2 | 149.2 |
| k | 343.5 | 369.5 | 375.5 | 394.5 | 434.5 | 439.5 | 474.5 |
| kB | 388.0 | 414.0 | 430.5 | 449.5 | 489.5 | 499.5 | 534.5 |
| LB | 160.5 | 186.5 | 184.5 | 203.5 | 243.5 | 240.0 | 275.0 |
| LBL | 205.0 | 231.0 | 239.5 | 258.5 | 298.5 | 300.0 | 335.0 |

① ISO 4014

④ DIN 332

⑤ Feather key/keyway DIN 6885-1

⑩ For inner contour, see page 5/136

¹⁾ AD depends on the motor options, for other dimensions, see page 9/46.

⑪ Use bores only for foot-mounted design

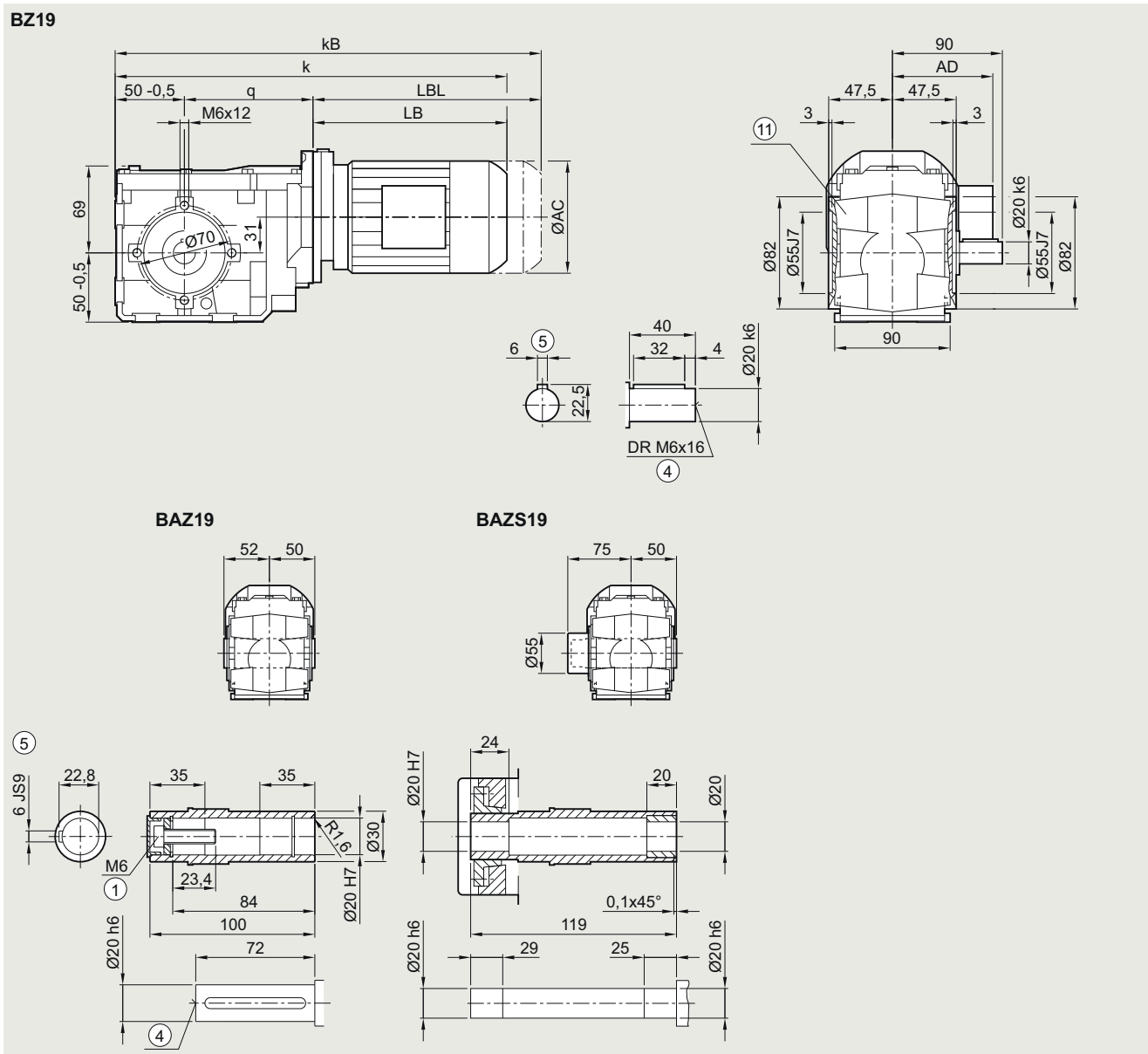
SIMOGEAR geared motors

Bevel geared motors

Dimensional drawings

Gearbox B.Z.19 in a housing flange design

BZ030, BAZ030



| Motor | LE 63 | 63Z | 71 | 71Z | 71Y | 80 | 80Z |
|------------------|----------|-------|-------|-------|-------|-------|-------|
| q | 133.0 | 133.0 | 141.0 | 141.0 | 141.0 | 149.5 | 149.5 |
| AC | 117.8 | 117.8 | 138.8 | 138.8 | 138.8 | 156.3 | 156.3 |
| AD ¹⁾ | 124.0 | 124.0 | 134.0 | 134.0 | 134.0 | 149.2 | 149.2 |
| k | 343.5 | 369.5 | 375.5 | 394.5 | 434.5 | 439.5 | 474.5 |
| kB | 388.0 | 414.0 | 430.5 | 449.5 | 489.5 | 499.5 | 534.5 |
| LB | 160.5 | 186.5 | 184.5 | 203.5 | 243.5 | 240.0 | 275.0 |
| LBL | 205.0 | 231.0 | 239.5 | 258.5 | 298.5 | 300.0 | 335.0 |

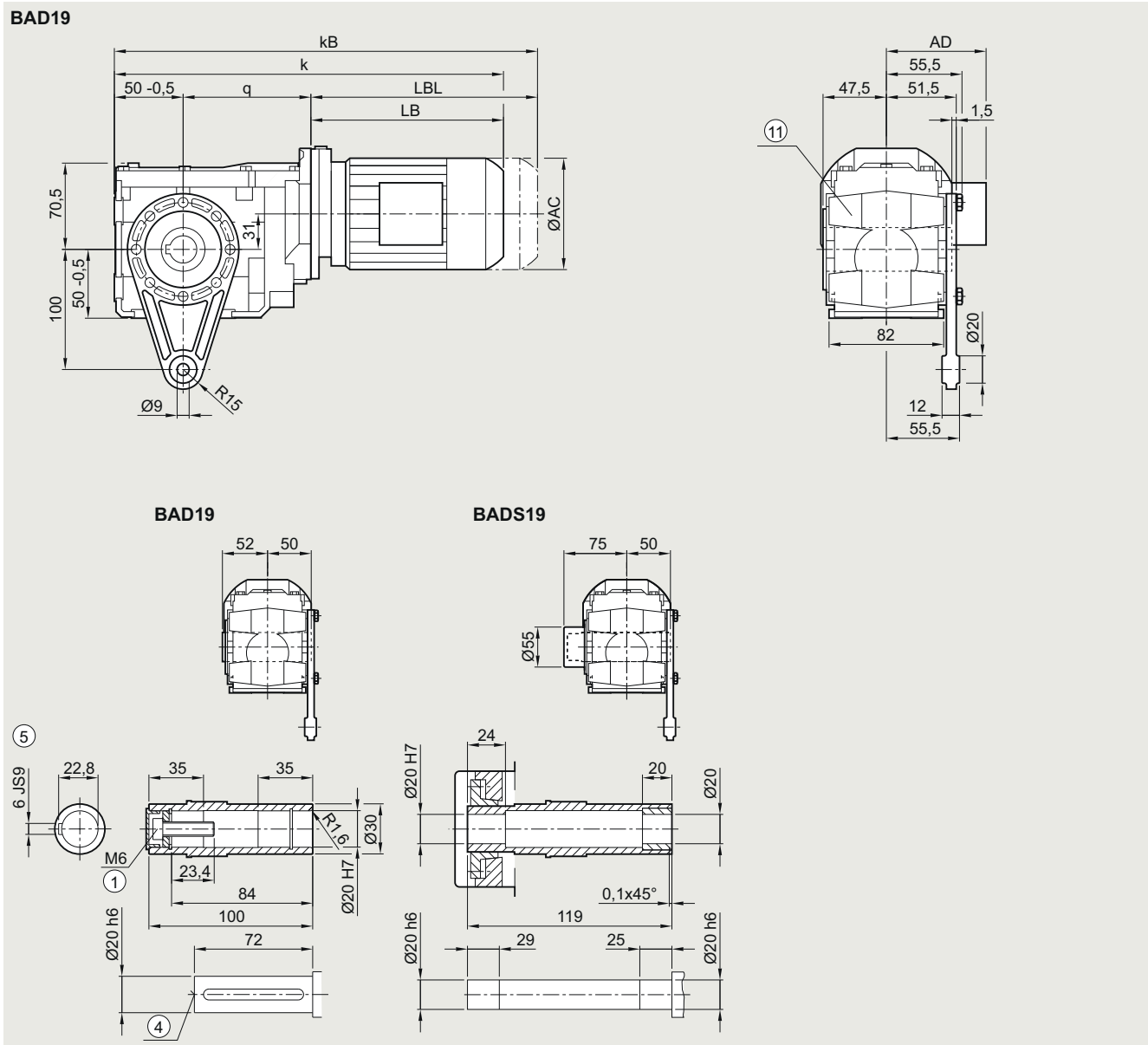
① ISO 4014

④ DIN 332

⑤ Feather key/keyway DIN 6885-1

¹⁾ AD depends on the motor options, for other dimensions, see page 9/46.

⑪ Use bores only for foot-mounted design

Gearbox BAD.19 in a shaft-mounted design
BAD030


| Motor | LE 63 | 63Z | 71 | 71Z | 71Y | 80 | 80Z |
|------------------|----------|-------|-------|-------|-------|-------|-------|
| q | 133.0 | 133.0 | 141.0 | 141.0 | 141.0 | 149.5 | 149.5 |
| AC | 117.8 | 117.8 | 138.8 | 138.8 | 138.8 | 156.3 | 156.3 |
| AD ¹⁾ | 124.0 | 124.0 | 134.0 | 134.0 | 134.0 | 149.2 | 149.2 |
| k | 343.5 | 369.5 | 375.5 | 394.5 | 434.5 | 439.5 | 474.5 |
| kB | 388.0 | 414.0 | 430.5 | 449.5 | 489.5 | 499.5 | 534.5 |
| LB | 160.5 | 186.5 | 184.5 | 203.5 | 243.5 | 240.0 | 275.0 |
| LBL | 205.0 | 231.0 | 239.5 | 258.5 | 298.5 | 300.0 | 335.0 |

① ISO 4014

④ DIN 332

⑤ Feather key/keyway DIN 6885-1

1) AD depends on the motor options, for other dimensions, see page 9/46.

⑩ Use bores only for foot-mounted design

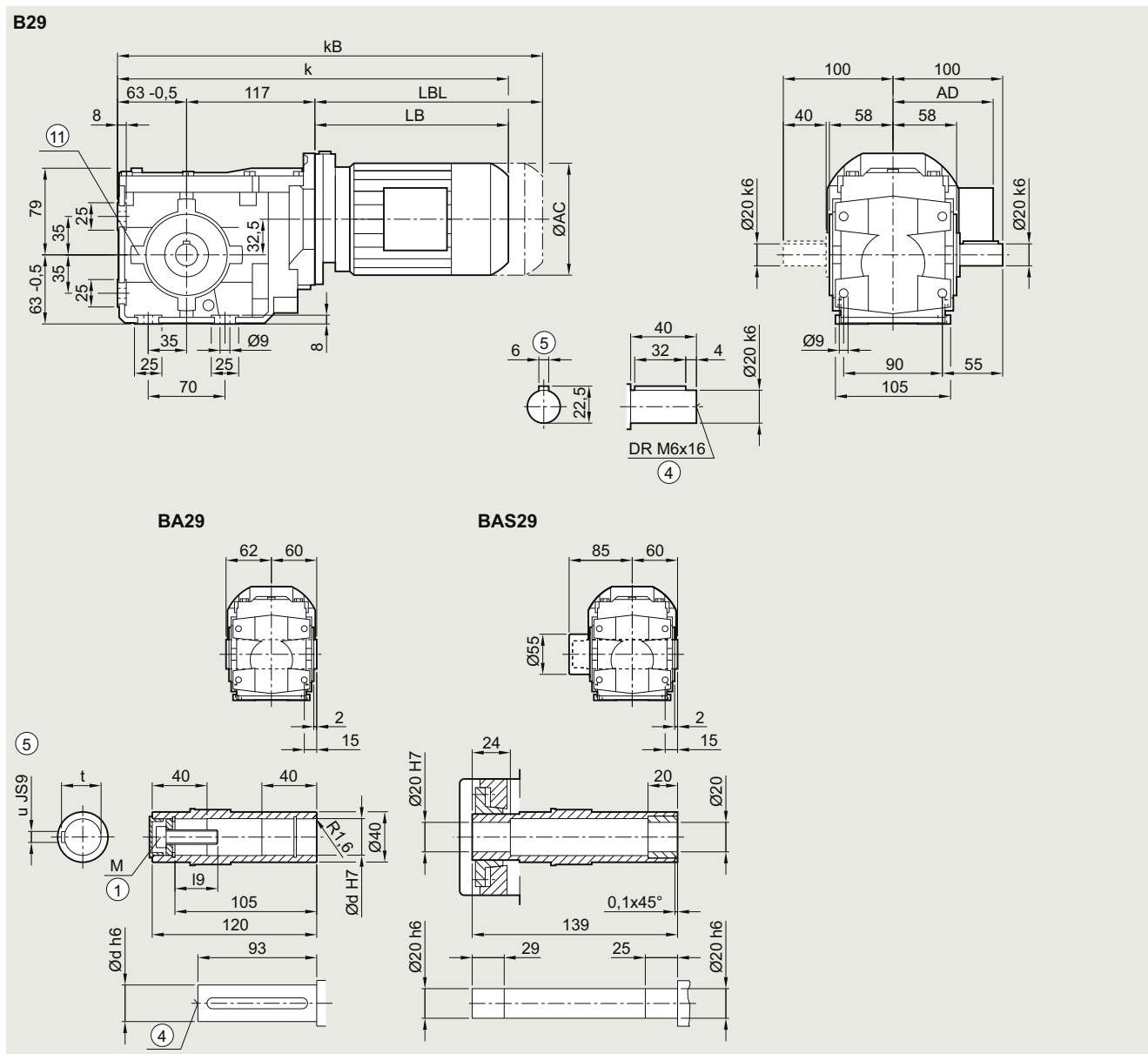
SIMOGEAR geared motors

Bevel geared motors

Dimensional drawings

Gearbox B..29 in a foot-mounted design

B030, BA030, BAS030



| Shaft | d | I9 | M | t | u |
|-------|----|------|-----|------|---|
| | 20 | 23.4 | M6 | 22.8 | 6 |
| | 25 | 27.6 | M10 | 28.3 | 8 |

| Motor | LE | 63Z | 71 | 71Z | 71Y | 80 | 80Z | 90 | 90Z | 100 | 100Z |
|------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | AC | 117.8 | 117.8 | 138.8 | 138.8 | 138.8 | 156.3 | 156.3 | 173.8 | 173.8 | 198.0 |
| AD ¹⁾ | 124.0 | 124.0 | 134.0 | 134.0 | 134.0 | 149.2 | 149.2 | 154.2 | 154.2 | 170.5 | 170.5 |
| k | 374.0 | 400.0 | 406.0 | 425.0 | 465.0 | 470.0 | 505.0 | 531.5 | 571.5 | 588.0 | 623.0 |
| kB | 418.5 | 444.5 | 461.0 | 480.0 | 520.0 | 530.0 | 565.0 | 601.5 | 641.5 | 666.5 | 701.5 |
| LB | 194.0 | 220.0 | 226.0 | 245.0 | 285.0 | 290.0 | 325.0 | 351.5 | 391.5 | 408.0 | 443.0 |
| LBL | 238.5 | 264.5 | 281.0 | 300.0 | 340.0 | 350.0 | 385.0 | 421.5 | 461.5 | 486.5 | 521.5 |

① ISO 4014

④ DIN 332

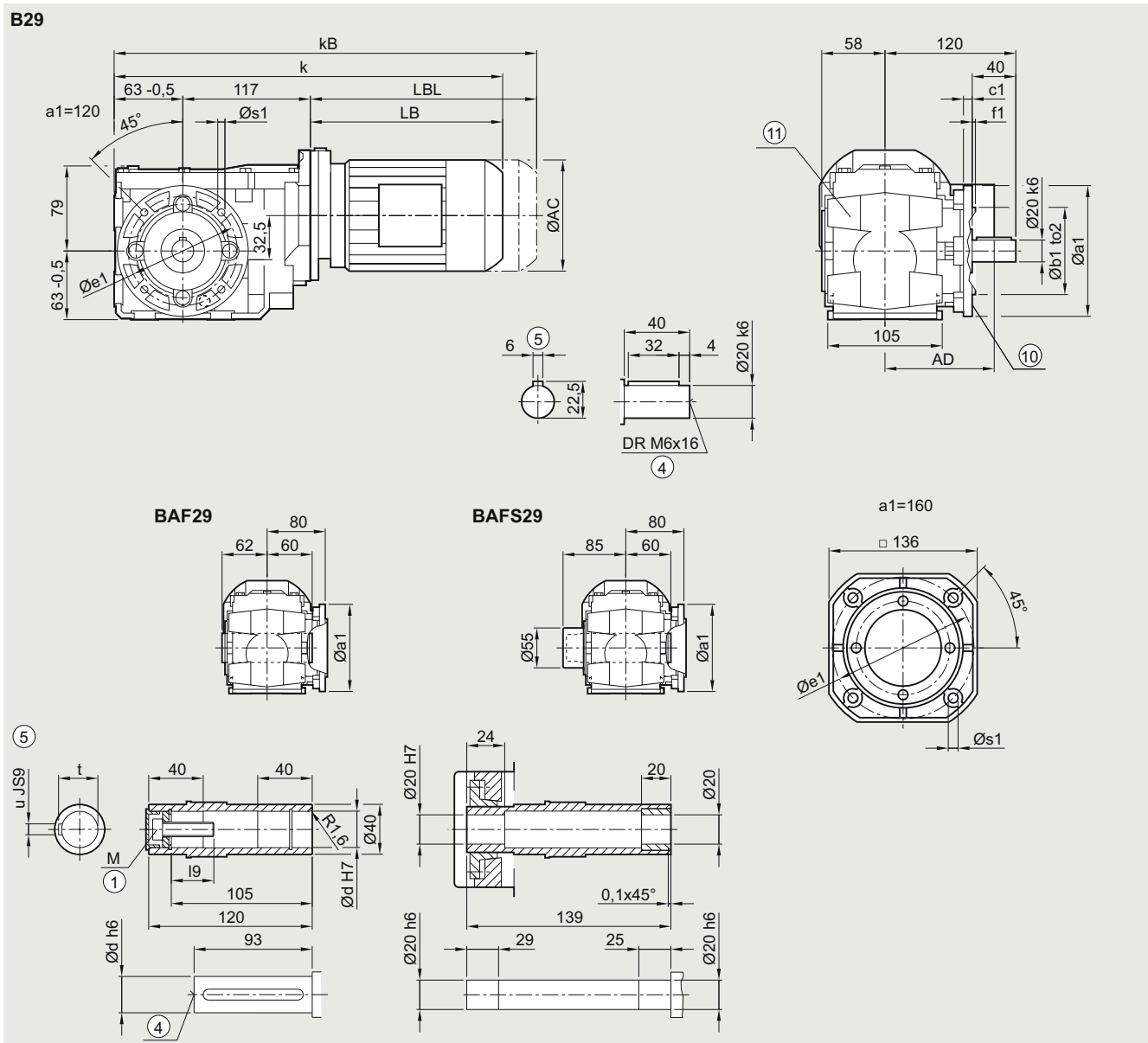
⑤ Feather key/keyway DIN 6885-1

¹⁾ AD depends on the motor options, for other dimensions, see page 9/46.

⑥ Use bores only for housing flange design

Gearbox B.F.29 in a flange-mounted design

BF030, BAF030, BAFS030



| Flange | a1 | b1 | c1 | f1 | e1 | s1 | to2 | | | | |
|------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 120 | 80 | 8 | 3.0 | 100 | 6.6 | j6 | | | | |
| | 160 | 110 | 9 | 3.5 | 130 | 9.0 | j6 | | | | |
| Shaft | d | l9 | M | t | u | | | | | | |
| | 20 | 23.4 | M6 | 22.8 | 6 | | | | | | |
| | 25 | 27.6 | M10 | 28.3 | 8 | | | | | | |
| Motor | LE 63 | 63Z | 71 | 71Z | 71Y | 80 | 80Z | 90 | 90Z | 100 | 100Z |
| AC | 117.8 | 117.8 | 138.8 | 138.8 | 138.8 | 156.3 | 156.3 | 173.8 | 173.8 | 198.0 | 198.0 |
| AD ¹⁾ | 124.0 | 124.0 | 134.0 | 134.0 | 134.0 | 149.2 | 149.2 | 154.2 | 154.2 | 170.5 | 170.5 |
| k | 374.0 | 400.0 | 406.0 | 425.0 | 465.0 | 470.0 | 505.0 | 531.5 | 571.5 | 588.0 | 623.0 |
| kB | 418.5 | 444.5 | 461.0 | 480.0 | 520.0 | 530.0 | 565.0 | 601.5 | 641.5 | 666.5 | 701.5 |
| LB | 194.0 | 220.0 | 226.0 | 245.0 | 285.0 | 290.0 | 325.0 | 351.5 | 391.5 | 408.0 | 443.0 |
| LBL | 238.5 | 264.5 | 281.0 | 300.0 | 340.0 | 350.0 | 385.0 | 421.5 | 461.5 | 486.5 | 521.5 |

① ISO 4014

④ DIN 332

⑤ Feather key/keyway DIN 6885-1

⑩ For inner contour, see page 5/136

1) AD depends on the motor options, for other dimensions, see page 9/46.

⑪ Use bores only for foot-mounted design

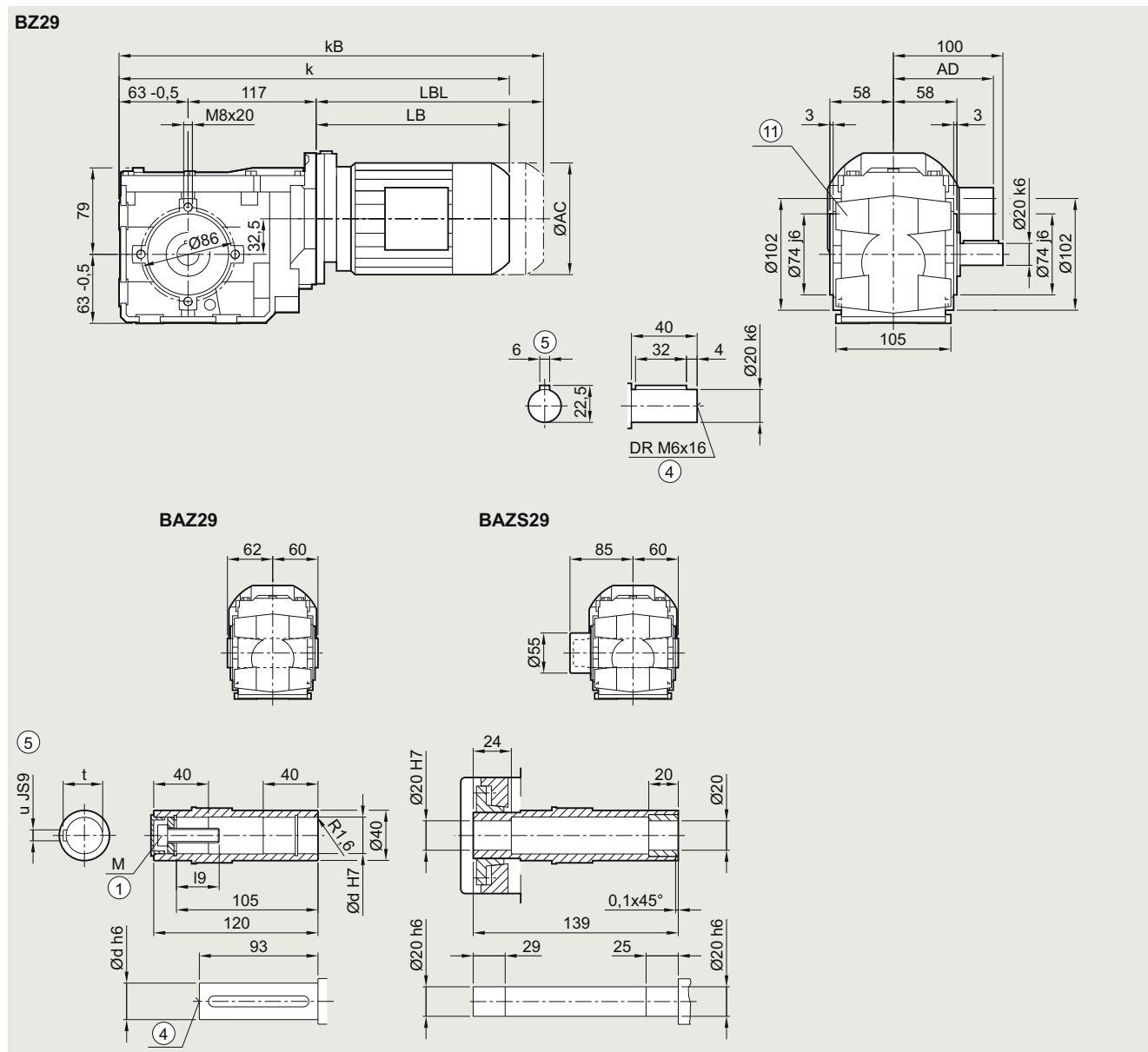
SIMOGEAR geared motors

Bevel geared motors

Dimensional drawings

Gearbox B.Z.29 in a housing flange design

BZ030, BAZ030, BAZS030



| Shaft | d | l9 | M | t | u |
|-------|----|------|-----|------|---|
| | 20 | 23.4 | M6 | 22.8 | 6 |
| | 25 | 27.6 | M10 | 28.3 | 8 |

| Motor | LE | 63Z | 71 | 71Z | 71Y | 80 | 80Z | 90 | 90Z | 100 | 100Z |
|------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | AC | 117.8 | 117.8 | 138.8 | 138.8 | 138.8 | 156.3 | 156.3 | 173.8 | 173.8 | 198.0 |
| AD ¹⁾ | 124.0 | 124.0 | 134.0 | 134.0 | 134.0 | 149.2 | 149.2 | 154.2 | 154.2 | 170.5 | 170.5 |
| k | 374.0 | 400.0 | 406.0 | 425.0 | 465.0 | 470.0 | 505.0 | 531.5 | 571.5 | 588.0 | 623.0 |
| kB | 418.5 | 444.5 | 461.0 | 480.0 | 520.0 | 530.0 | 565.0 | 601.5 | 641.5 | 666.5 | 701.5 |
| LB | 194.0 | 220.0 | 226.0 | 245.0 | 285.0 | 290.0 | 325.0 | 351.5 | 391.5 | 408.0 | 443.0 |
| LBL | 238.5 | 264.5 | 281.0 | 300.0 | 340.0 | 350.0 | 385.0 | 421.5 | 461.5 | 486.5 | 521.5 |

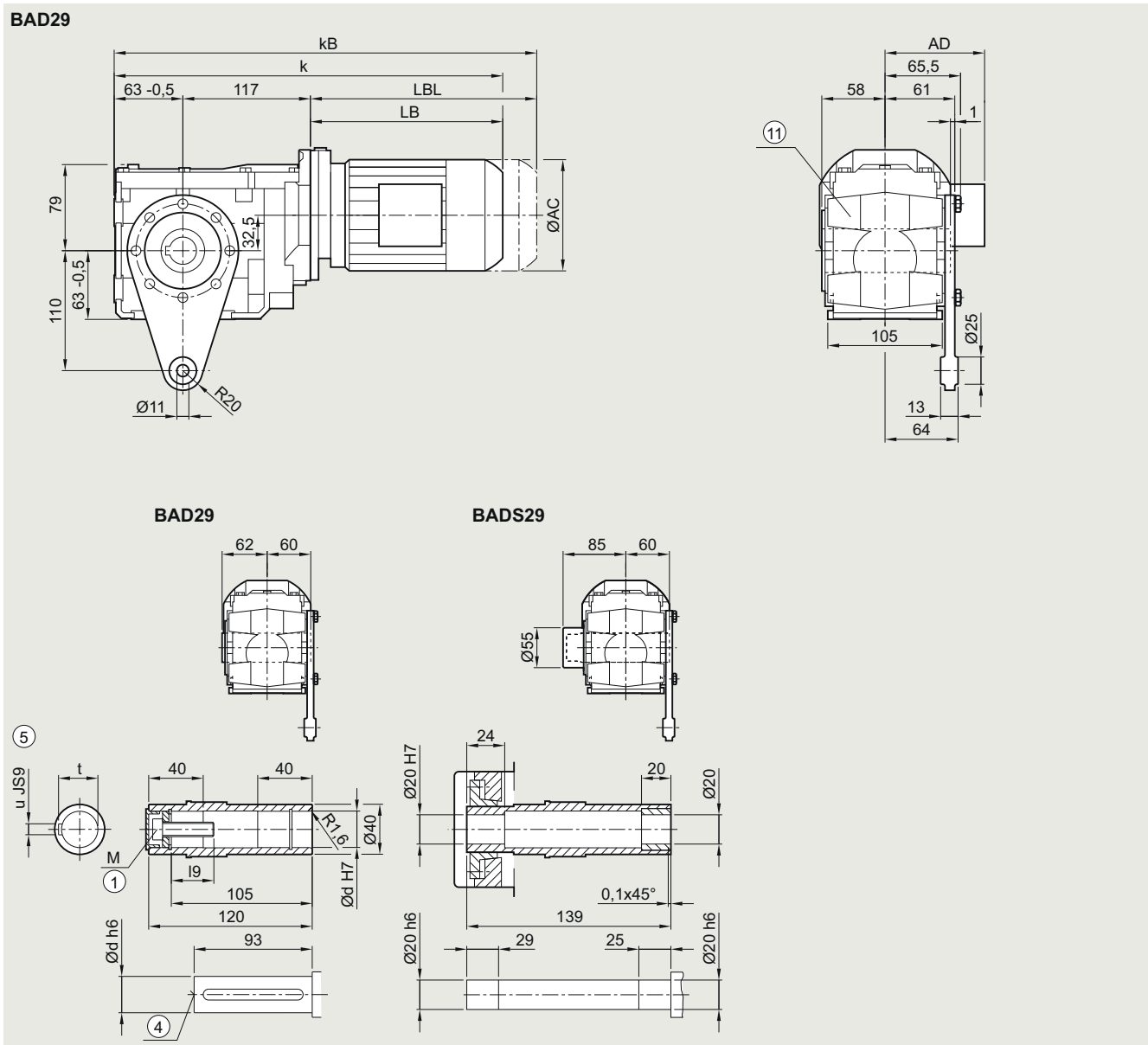
① ISO 4014

④ DIN 332

⑤ Feather key/keyway DIN 6885-1

¹⁾ AD depends on the motor options, for other dimensions, see page 9/46.

⑩ Use bores only for foot-mounted design

Gearbox BAD.29 in a shaft-mounted design
BAD030, BADS030


| Shaft | d | I9 | M | t | u |
|-------|----|------|-----|------|---|
| | 20 | 23.4 | M6 | 22.8 | 6 |
| | 25 | 27.6 | M10 | 28.3 | 8 |

| Motor | LE | 63Z | 71 | 71Z | 71Y | 80 | 80Z | 90 | 90Z | 100 | 100Z |
|------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 63 | | | | | | | | | | |
| AC | 117.8 | 117.8 | 138.8 | 138.8 | 138.8 | 156.3 | 156.3 | 173.8 | 173.8 | 198.0 | 198.0 |
| AD ¹⁾ | 124.0 | 124.0 | 134.0 | 134.0 | 134.0 | 149.2 | 149.2 | 154.2 | 154.2 | 170.5 | 170.5 |
| k | 374.0 | 400.0 | 406.0 | 425.0 | 465.0 | 470.0 | 505.0 | 531.5 | 571.5 | 588.0 | 623.0 |
| kB | 418.5 | 444.5 | 461.0 | 480.0 | 520.0 | 530.0 | 565.0 | 601.5 | 641.5 | 666.5 | 701.5 |
| LB | 194.0 | 220.0 | 226.0 | 245.0 | 285.0 | 290.0 | 325.0 | 351.5 | 391.5 | 408.0 | 443.0 |
| LBL | 238.5 | 264.5 | 281.0 | 300.0 | 340.0 | 350.0 | 385.0 | 421.5 | 461.5 | 486.5 | 521.5 |

① ISO 4014

④ DIN 332

⑤ Feather key/keyway DIN 6885-1

1) AD depends on the motor options, for other dimensions, see page 9/46.

② Use bores only for foot-mounted design

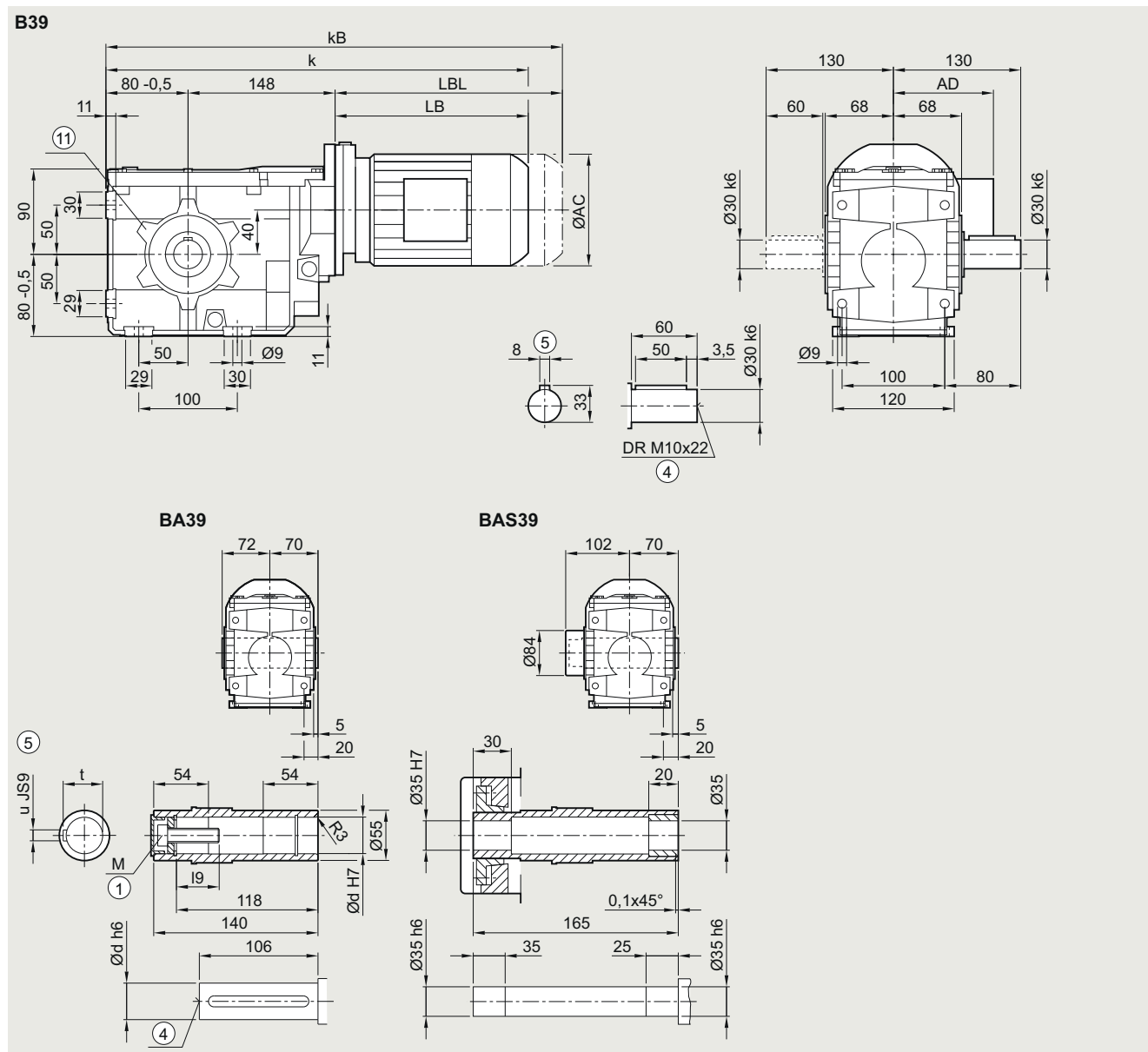
SIMOGEAR geared motors

Bevel geared motors

Dimensional drawings

Gearbox B..39 in a foot-mounted design

B030, BA030, BAS030



| Shaft | d | I9 | M | t | u |
|-------|----|-------|-----|------|----|
| | 30 | 32.6 | M10 | 33.3 | 8 |
| | 35 | 37 | M12 | 38.3 | 10 |
| | 40 | 47.75 | M16 | 43.3 | 12 |

| Motor | | | | | | | | | | | | | | |
|------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|
| | LE 63 | 63Z | 71 | 71Z | 71Y | 80 | 80Z | 90 | 90Z | 100 | 100Z | 112 | 112Z | |
| AC | 117.8 | 117.8 | 138.8 | 138.8 | 138.8 | 156.3 | 156.3 | 173.8 | 173.8 | 198.0 | 198.0 | 222.0 | 222.0 | |
| AD ¹⁾ | 124.0 | 124.0 | 134.0 | 134.0 | 134.0 | 149.2 | 149.2 | 154.2 | 154.2 | 170.5 | 170.5 | 181.5 | 181.5 | |
| k | 422.0 | 448.0 | 454.0 | 473.0 | 513.0 | 518.0 | 553.0 | 579.5 | 619.5 | 636.0 | 671.0 | 646.0 | 671.0 | |
| kB | 466.5 | 492.5 | 509.0 | 528.0 | 568.0 | 578.0 | 613.0 | 649.5 | 689.5 | 714.5 | 749.5 | 719.0 | 744.0 | |
| LB | 194.0 | 220.0 | 226.0 | 245.0 | 285.0 | 290.0 | 325.0 | 351.5 | 391.5 | 408.0 | 443.0 | 418.0 | 443.0 | |
| LBL | 238.5 | 264.5 | 281.0 | 300.0 | 340.0 | 350.0 | 385.0 | 421.5 | 461.5 | 486.5 | 521.5 | 491.0 | 516.0 | |

① ISO 4014

④ DIN 332

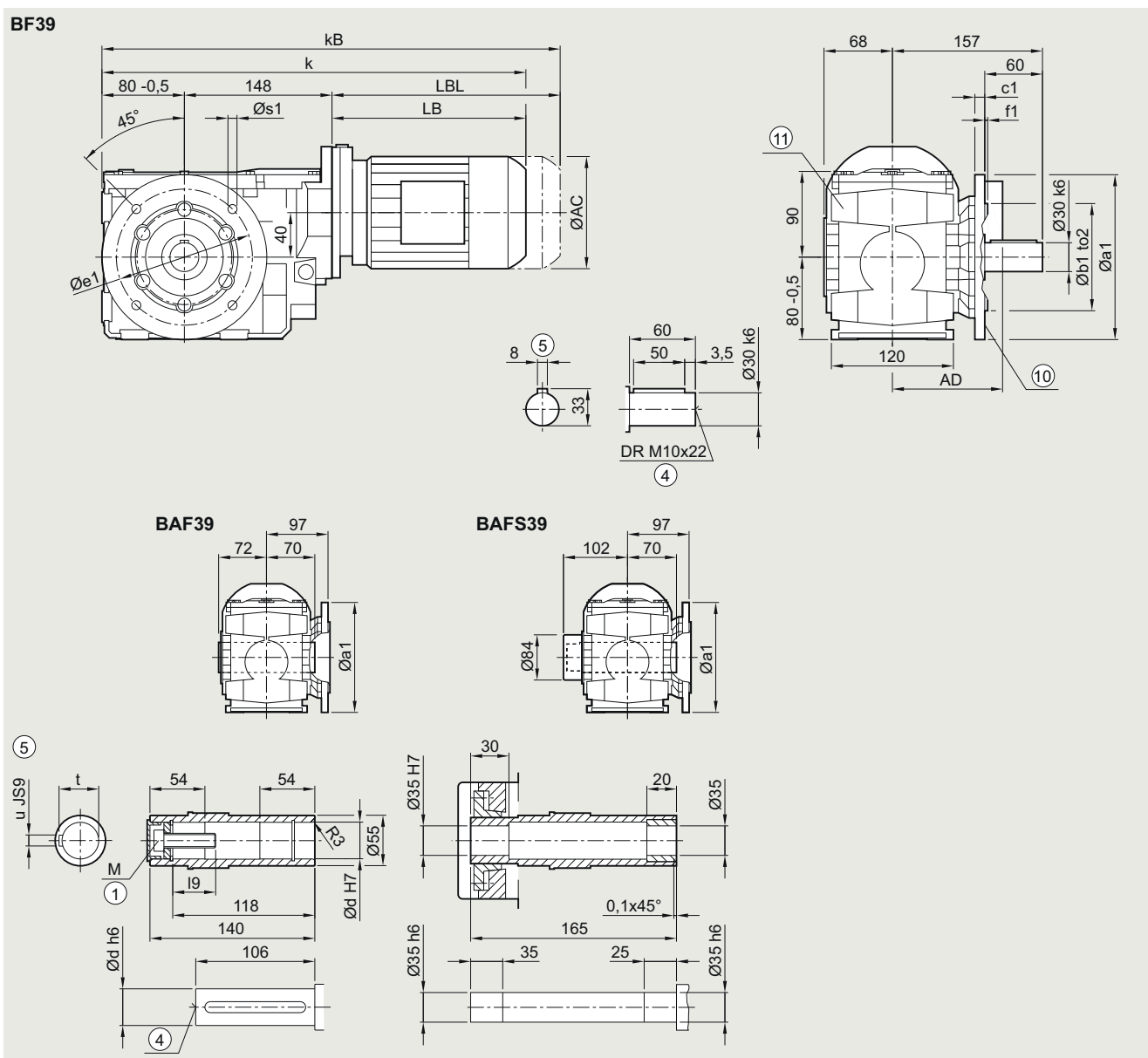
⑤ Feather key/keyway DIN 6885-1

¹⁾ AD depends on the motor options, for other dimensions, see page 9/46.

⑥ Use bores only for housing flange design

Gearbox B.F.39 in a flange-mounted design

BF030, BAF030, BAFS030



| Flange | a1 | b1 | c1 | f1 | e1 | s | to2 | | | | | | |
|------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 160 | 110 | 10 | 3.5 | 130 | 9 | j6 | | | | | | |
| 200 | 130 | 12 | 3.5 | 165 | 11 | j6 | | | | | | | |
| Shaft | d | i9 | M | t | u | | | | | | | | |
| | 30 | 32.6 | M10 | 33.3 | 8 | | | | | | | | |
| | 35 | 37 | M12 | 38.3 | 10 | | | | | | | | |
| 40 | 47.75 | M16 | 43.3 | 12 | | | | | | | | | |
| Motor | LE | 63Z | 71 | 71Z | 71Y | 80 | 80Z | 90 | 90Z | 100 | 100Z | 112 | 112Z |
| | AC | 117.8 | 117.8 | 138.8 | 138.8 | 138.8 | 156.3 | 156.3 | 173.8 | 173.8 | 198.0 | 198.0 | 222.0 |
| AD ¹⁾ | 124.0 | 124.0 | 134.0 | 134.0 | 134.0 | 149.2 | 149.2 | 154.2 | 154.2 | 170.5 | 170.5 | 181.5 | 181.5 |
| k | 422.0 | 448.0 | 454.0 | 473.0 | 513.0 | 518.0 | 553.0 | 579.5 | 619.5 | 636.0 | 671.0 | 646.0 | 671.0 |
| kB | 466.5 | 492.5 | 509.0 | 528.0 | 568.0 | 578.0 | 613.0 | 649.5 | 689.5 | 714.5 | 749.5 | 719.0 | 744.0 |
| LB | 194.0 | 220.0 | 226.0 | 245.0 | 285.0 | 290.0 | 325.0 | 351.5 | 391.5 | 408.0 | 443.0 | 418.0 | 443.0 |
| LBL | 238.5 | 264.5 | 281.0 | 300.0 | 340.0 | 350.0 | 385.0 | 421.5 | 461.5 | 486.5 | 521.5 | 491.0 | 516.0 |

① ISO 4014

④ DIN 332

⑤ Feather key/keyway DIN 6885-1

⑩ For inner contour, see page 5/136

1) AD depends on the motor options, for other dimensions, see page 9/46.

⑪ Use bores only for foot-mounted design

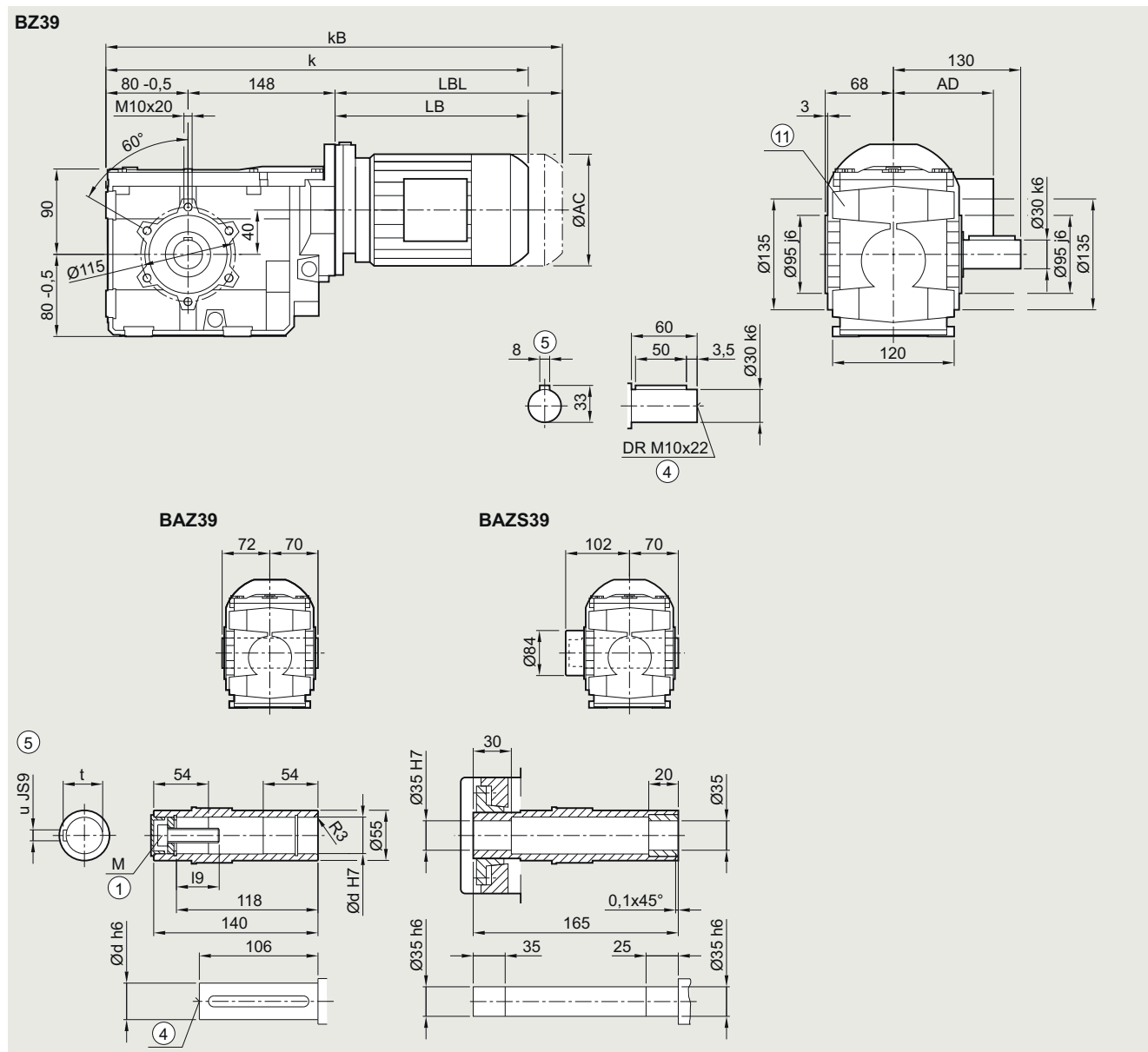
SIMOGEAR geared motors

Bevel geared motors

Dimensional drawings

Gearbox B.Z.39 in a housing flange design

BZ030, BAZ030, BAZS030



| Shaft | d | l9 | M | t | u |
|-------|----|-------|-----|------|----|
| | 30 | 32.6 | M10 | 33.3 | 8 |
| | 35 | 37 | M12 | 38.3 | 10 |
| | 40 | 47.75 | M16 | 43.3 | 12 |

| Motor | | | | | | | | | | | | | | |
|------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|
| | LE 63 | 63Z | 71 | 71Z | 71Y | 80 | 80Z | 90 | 90Z | 100 | 100Z | 112 | 112Z | |
| AC | 117.8 | 117.8 | 138.8 | 138.8 | 138.8 | 156.3 | 156.3 | 173.8 | 173.8 | 198.0 | 198.0 | 222.0 | 222.0 | |
| AD ¹⁾ | 124.0 | 124.0 | 134.0 | 134.0 | 134.0 | 149.2 | 149.2 | 154.2 | 154.2 | 170.5 | 170.5 | 181.5 | 181.5 | |
| k | 422.0 | 448.0 | 454.0 | 473.0 | 513.0 | 518.0 | 553.0 | 579.5 | 619.5 | 636.0 | 671.0 | 646.0 | 671.0 | |
| kB | 466.5 | 492.5 | 509.0 | 528.0 | 568.0 | 578.0 | 613.0 | 649.5 | 689.5 | 714.5 | 749.5 | 719.0 | 744.0 | |
| LB | 194.0 | 220.0 | 226.0 | 245.0 | 285.0 | 290.0 | 325.0 | 351.5 | 391.5 | 408.0 | 443.0 | 418.0 | 443.0 | |
| LBL | 238.5 | 264.5 | 281.0 | 300.0 | 340.0 | 350.0 | 385.0 | 421.5 | 461.5 | 486.5 | 521.5 | 491.0 | 516.0 | |

① ISO 4014

④ DIN 332

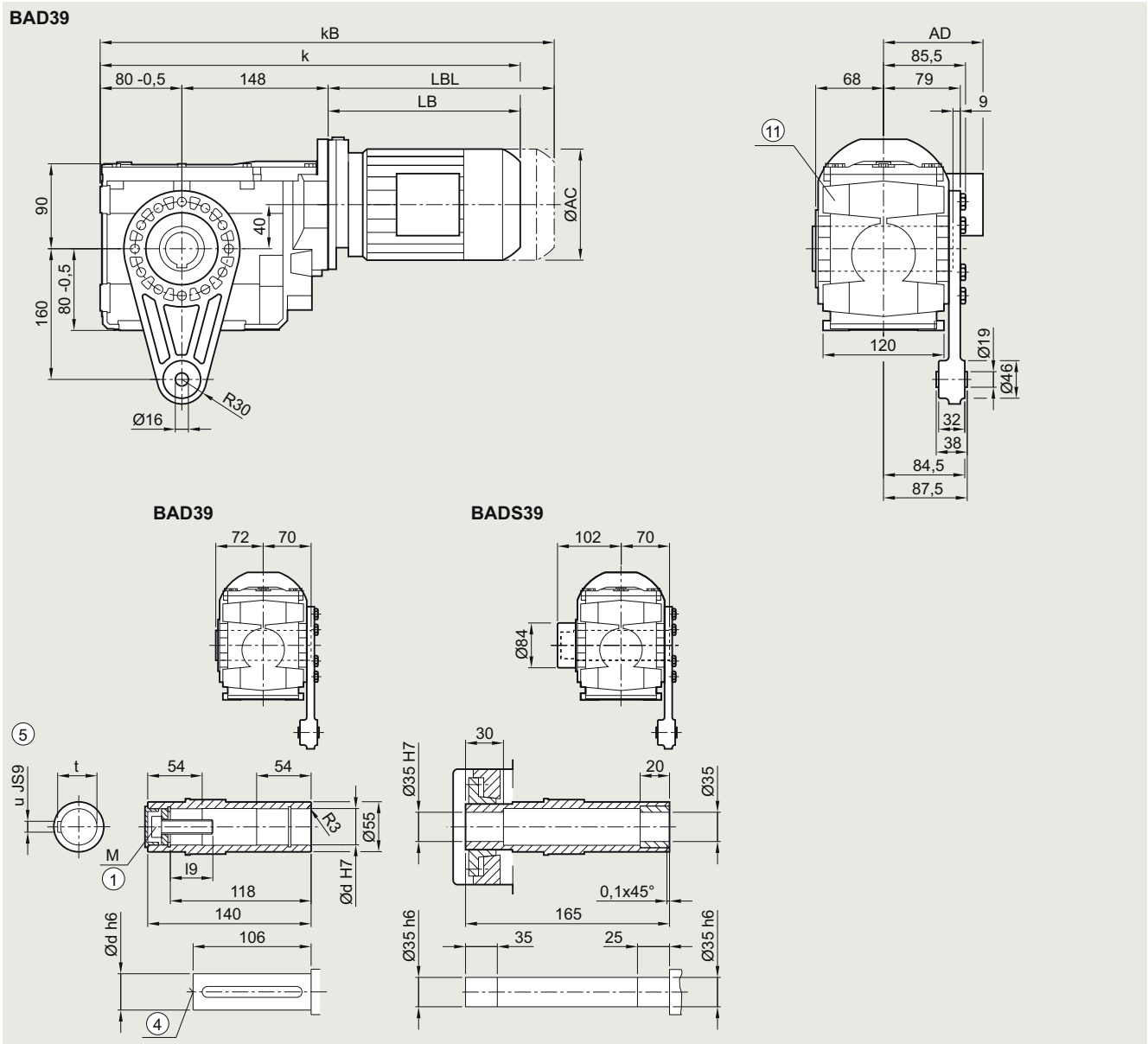
⑤ Feather key/keyway DIN 6885-1

¹⁾ AD depends on the motor options, for other dimensions, see page 9/46.

⑩ Use bores only for foot-mounted design

Gearbox BAD.39 in a shaft-mounted design

BAD030, BADS030



| Shaft | d | l9 | M | t | u |
|-------|----|-------|-----|------|----|
| | 30 | 32.6 | M10 | 33.3 | 8 |
| | 35 | 37 | M12 | 38.3 | 10 |
| | 40 | 47.75 | M16 | 43.3 | 12 |

| Motor | | | | | | | | | | | | | | |
|------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|
| | LE 63 | 63Z | 71 | 71Z | 71Y | 80 | 80Z | 90 | 90Z | 100 | 100Z | 112 | 112Z | |
| AC | 117.8 | 117.8 | 138.8 | 138.8 | 138.8 | 156.3 | 156.3 | 173.8 | 173.8 | 198.0 | 198.0 | 222.0 | 222.0 | |
| AD ¹⁾ | 124.0 | 124.0 | 134.0 | 134.0 | 134.0 | 149.2 | 149.2 | 154.2 | 154.2 | 170.5 | 170.5 | 181.5 | 181.5 | |
| k | 422.0 | 448.0 | 454.0 | 473.0 | 513.0 | 518.0 | 553.0 | 579.5 | 619.5 | 636.0 | 671.0 | 646.0 | 671.0 | |
| kB | 466.5 | 492.5 | 509.0 | 528.0 | 568.0 | 578.0 | 613.0 | 649.5 | 689.5 | 714.5 | 749.5 | 719.0 | 744.0 | |
| LB | 194.0 | 220.0 | 226.0 | 245.0 | 285.0 | 290.0 | 325.0 | 351.5 | 391.5 | 408.0 | 443.0 | 418.0 | 443.0 | |
| LBL | 238.5 | 264.5 | 281.0 | 300.0 | 340.0 | 350.0 | 385.0 | 421.5 | 461.5 | 486.5 | 521.5 | 491.0 | 516.0 | |

① ISO 4014

④ DIN 332

⑤ Feather key/keyway DIN 6885-1

¹⁾ AD depends on the motor options, for other dimensions, see page 9/46.

⑩ Use bores only for foot-mounted design

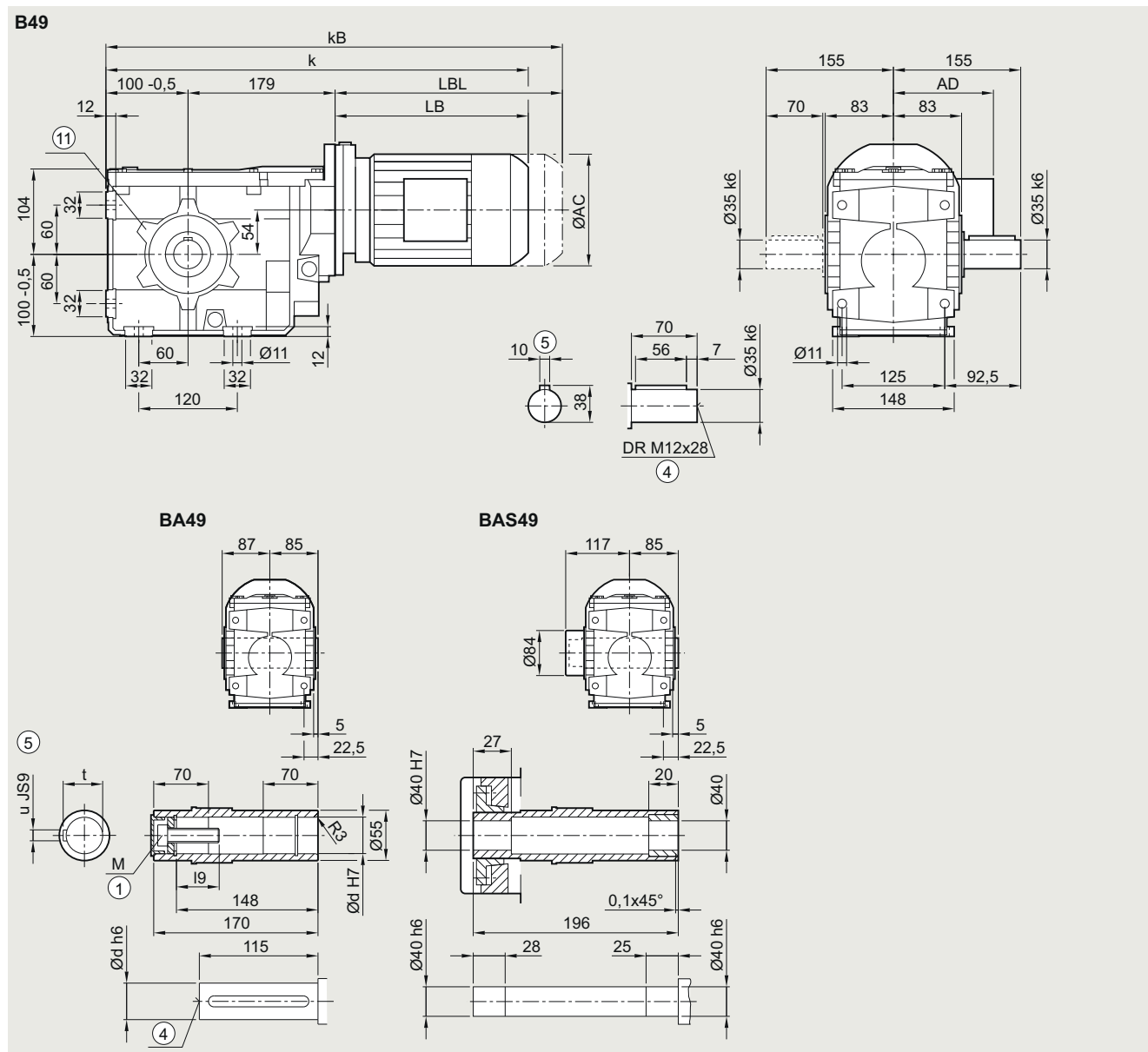
SIMOGEAR geared motors

Bevel geared motors

Dimensional drawings

Gearbox B..49 in a foot-mounted design

B030, BA030, BAS030



| Shaft | d | I9 | M | t | u |
|-------|----|-------|-----|------|----|
| | 35 | 57 | M12 | 38.3 | 10 |
| | 40 | 67.75 | M16 | 43.3 | 12 |

| Motor | LE | 63Z | 71 | 71Z | 71Y | 80 | 80Z | 90 | 90Z | 100 | 100Z | 112 | 112Z | 132 | 132Z |
|------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | AC | 117.8 | 117.8 | 138.8 | 138.8 | 138.8 | 156.3 | 156.3 | 173.8 | 173.8 | 198.0 | 198.0 | 222.0 | 222.0 | 264.0 |
| AD ¹⁾ | 124.0 | 124.0 | 134.0 | 134.0 | 134.0 | 149.2 | 149.2 | 154.2 | 154.2 | 170.5 | 170.5 | 181.5 | 181.5 | 207.0 | 207.0 |
| k | 463.5 | 489.5 | 495.5 | 514.5 | 554.5 | 559.5 | 594.5 | 621.0 | 661.0 | 677.5 | 712.5 | 687.5 | 722.0 | 740.5 | 790.5 |
| kB | 508.0 | 534.0 | 550.5 | 569.5 | 609.5 | 619.5 | 654.5 | 691.0 | 731.0 | 756.0 | 791.0 | 760.5 | 795.0 | 845.0 | 895.0 |
| LB | 184.5 | 210.5 | 216.5 | 235.5 | 275.5 | 280.5 | 315.5 | 342.0 | 382.0 | 398.5 | 433.5 | 408.5 | 443.0 | 461.5 | 511.5 |
| LBL | 229.0 | 255.0 | 271.5 | 290.5 | 330.5 | 340.5 | 375.5 | 412.0 | 452.0 | 477.0 | 512.0 | 481.5 | 516.0 | 566.0 | 616.0 |

① ISO 4014

④ DIN 332

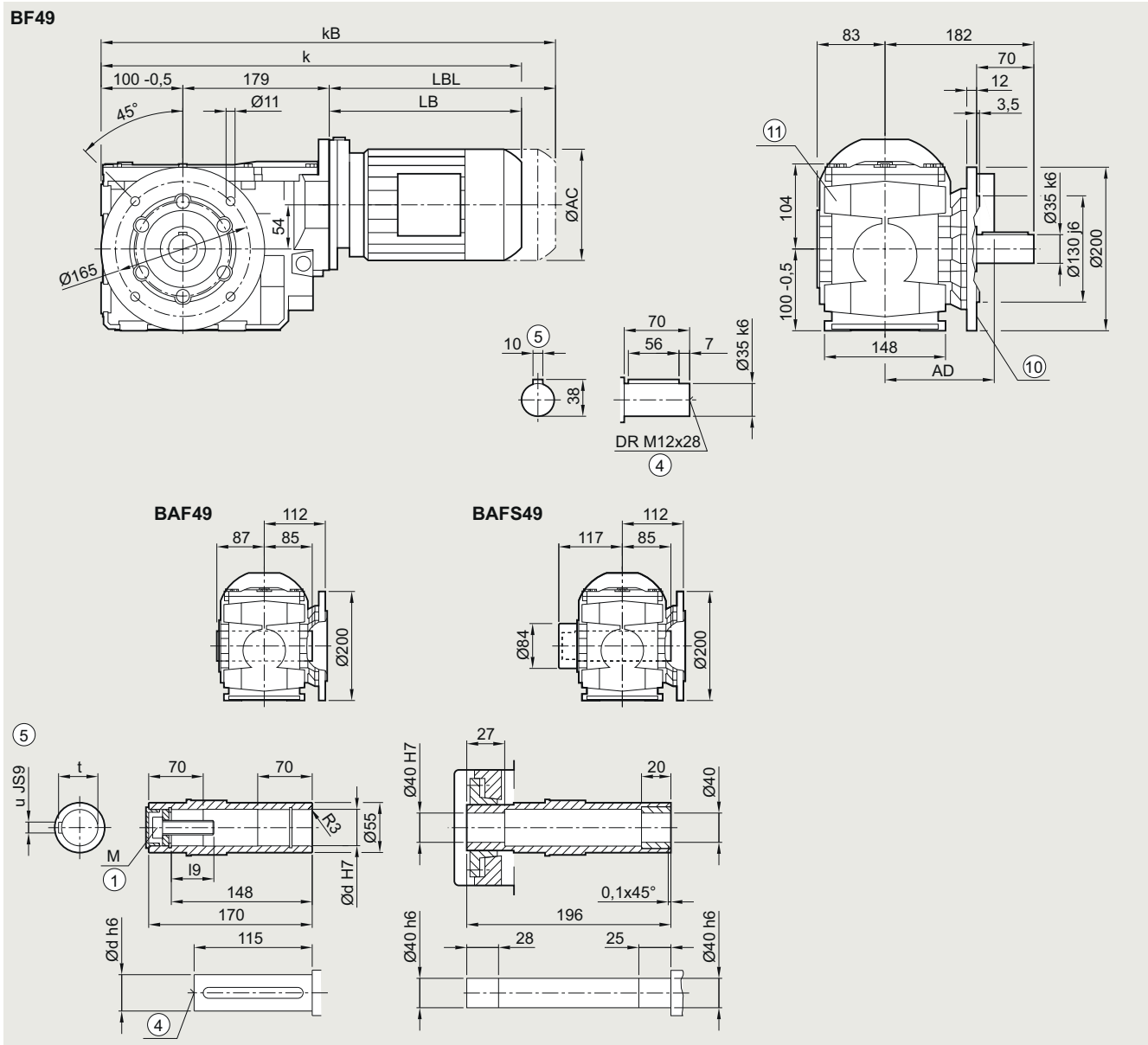
⑤ Feather key/keyway DIN 6885-1

¹⁾ AD depends on the motor options, for other dimensions, see page 9/46.

⑥ Use bores only for housing flange design

Gearbox B.F.49 in a flange-mounted design

BF030, BAF030, BAFS030



| Shaft | d | i9 | M | t | u |
|-------|----|-------|-----|------|----|
| | 35 | 57 | M12 | 38.3 | 10 |
| | 40 | 67.75 | M16 | 43.3 | 12 |

| Motor | LE 63 | 63Z | 71 | 71Z | 71Y | 80 | 80Z | 90 | 90Z | 100 | 100Z | 112 | 112Z | 132 | 132Z |
|------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| AC | 117.8 | 117.8 | 138.8 | 138.8 | 138.8 | 156.3 | 156.3 | 173.8 | 173.8 | 198.0 | 198.0 | 222.0 | 222.0 | 264.0 | 264.0 |
| AD ¹⁾ | 124.0 | 124.0 | 134.0 | 134.0 | 134.0 | 149.2 | 149.2 | 154.2 | 154.2 | 170.5 | 170.5 | 181.5 | 181.5 | 207.0 | 207.0 |
| k | 463.5 | 489.5 | 495.5 | 514.5 | 554.5 | 559.5 | 594.5 | 621.0 | 661.0 | 677.5 | 712.5 | 687.5 | 722.0 | 740.5 | 790.5 |
| kB | 508.0 | 534.0 | 550.5 | 569.5 | 609.5 | 619.5 | 654.5 | 691.0 | 731.0 | 756.0 | 791.0 | 760.5 | 795.0 | 845.0 | 895.0 |
| LB | 184.5 | 210.5 | 216.5 | 235.5 | 275.5 | 280.5 | 315.5 | 342.0 | 382.0 | 398.5 | 433.5 | 408.5 | 443.0 | 461.5 | 511.5 |
| LBL | 229.0 | 255.0 | 271.5 | 290.5 | 330.5 | 340.5 | 375.5 | 412.0 | 452.0 | 477.0 | 512.0 | 481.5 | 516.0 | 566.0 | 616.0 |

① ISO 4014

④ DIN 332

⑤ Feather key/keyway DIN 6885-1

⑩ For inner contour, see page 5/136

¹⁾ AD depends on the motor options, for other dimensions, see page 9/46.

⑪ Use bores only for foot-mounted design

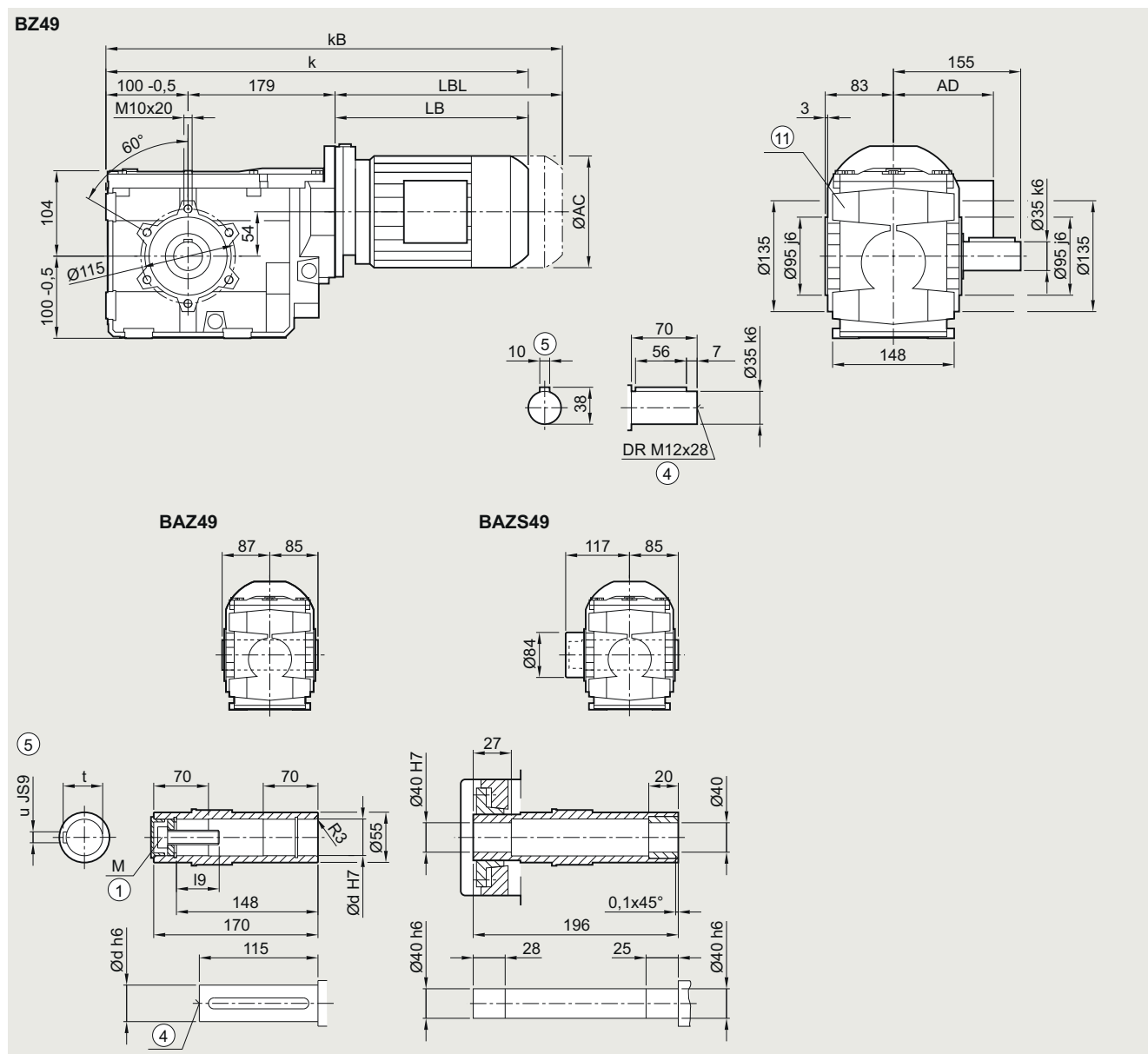
SIMOGEAR geared motors

Bevel geared motors

Dimensional drawings

Gearbox B.Z.49 in a housing flange design

BZ030, BAZ030, BAZS030



| Shaft | d | I9 | M | t | u |
|-------|----|-------|-----|------|----|
| | 35 | 57 | M12 | 38.3 | 10 |
| | 40 | 67.75 | M16 | 43.3 | 12 |

| Motor | LE | 63Z | 71 | 71Z | 71Y | 80 | 80Z | 90 | 90Z | 100 | 100Z | 112 | 112Z | 132 | 132Z |
|------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | AC | 117.8 | 117.8 | 138.8 | 138.8 | 138.8 | 156.3 | 156.3 | 173.8 | 173.8 | 198.0 | 198.0 | 222.0 | 222.0 | 264.0 |
| AD ¹⁾ | 124.0 | 124.0 | 134.0 | 134.0 | 134.0 | 149.2 | 149.2 | 154.2 | 154.2 | 170.5 | 170.5 | 181.5 | 181.5 | 207.0 | 207.0 |
| k | 463.5 | 489.5 | 495.5 | 514.5 | 554.5 | 559.5 | 594.5 | 621.0 | 661.0 | 677.5 | 712.5 | 687.5 | 722.0 | 740.5 | 790.5 |
| kB | 508.0 | 534.0 | 550.5 | 569.5 | 609.5 | 619.5 | 654.5 | 691.0 | 731.0 | 756.0 | 791.0 | 760.5 | 795.0 | 845.0 | 895.0 |
| LB | 184.5 | 210.5 | 216.5 | 235.5 | 275.5 | 280.5 | 315.5 | 342.0 | 382.0 | 398.5 | 433.5 | 408.5 | 443.0 | 461.5 | 511.5 |
| LBL | 229.0 | 255.0 | 271.5 | 290.5 | 330.5 | 340.5 | 375.5 | 412.0 | 452.0 | 477.0 | 512.0 | 481.5 | 516.0 | 566.0 | 616.0 |

① ISO 4014

④ DIN 332

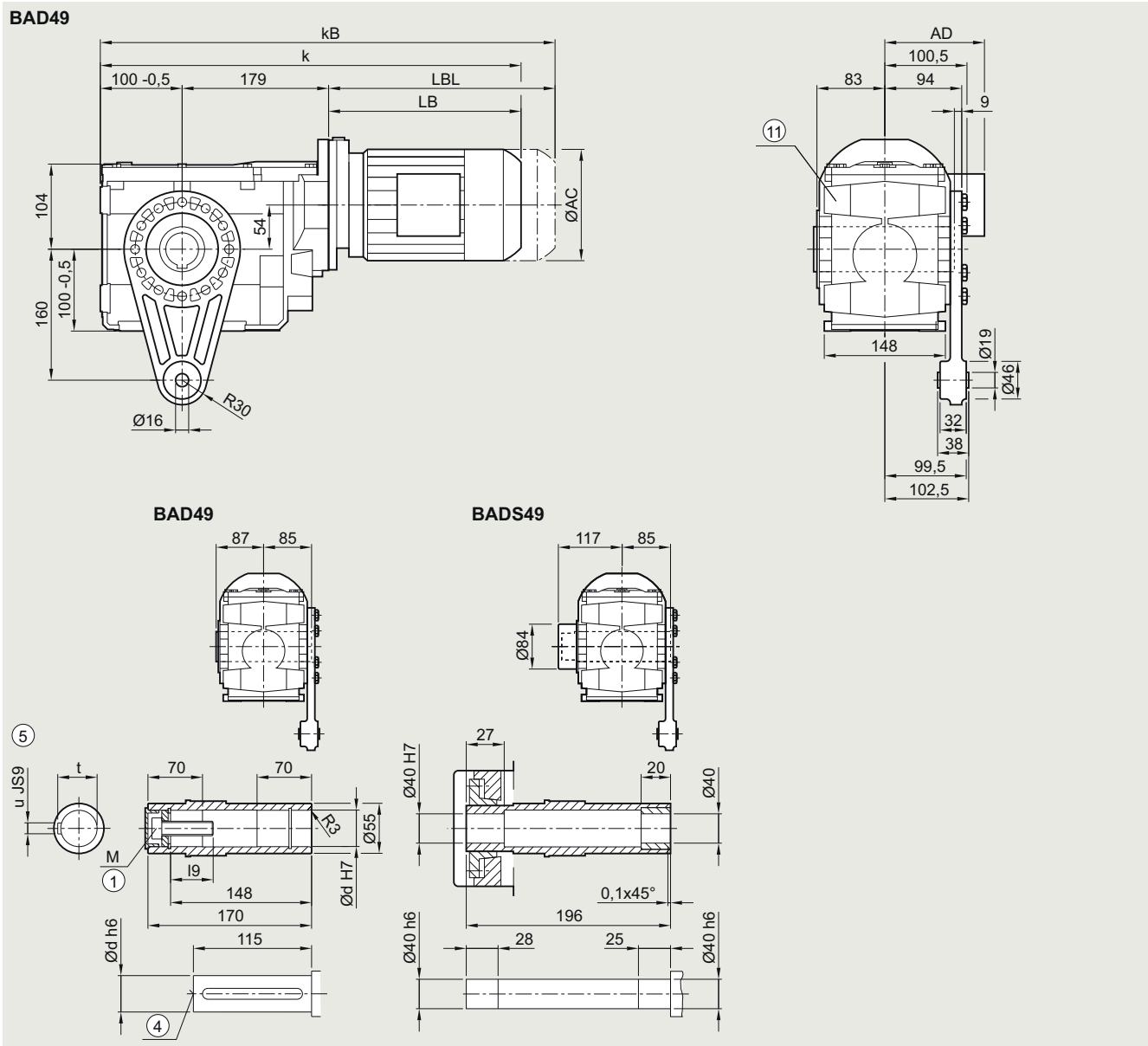
⑤ Feather key/keyway DIN 6885-1

¹⁾ AD depends on the motor options, for other dimensions, see page 9/46.

⑩ Use bores only for foot-mounted design

Gearbox BAD.49 in a shaft-mounted design

BAD030, BADS030



| Shaft | d | I9 | M | t | u |
|-------|----|-------|-----|------|----|
| | 35 | 57 | M12 | 38.3 | 10 |
| | 40 | 67.75 | M16 | 43.3 | 12 |

| Motor | LE | 63Z | 71 | 71Z | 71Y | 80 | 80Z | 90 | 90Z | 100 | 100Z | 112 | 112Z | 132 | 132Z |
|------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | AC | 117.8 | 117.8 | 138.8 | 138.8 | 138.8 | 156.3 | 156.3 | 173.8 | 173.8 | 198.0 | 198.0 | 222.0 | 222.0 | 264.0 |
| AD ¹⁾ | 124.0 | 124.0 | 134.0 | 134.0 | 134.0 | 149.2 | 149.2 | 154.2 | 154.2 | 170.5 | 170.5 | 181.5 | 181.5 | 207.0 | 207.0 |
| k | 463.5 | 489.5 | 495.5 | 514.5 | 554.5 | 559.5 | 594.5 | 621.0 | 661.0 | 677.5 | 712.5 | 687.5 | 722.0 | 740.5 | 790.5 |
| kB | 508.0 | 534.0 | 550.5 | 569.5 | 609.5 | 619.5 | 654.5 | 691.0 | 731.0 | 756.0 | 791.0 | 760.5 | 795.0 | 845.0 | 895.0 |
| LB | 184.5 | 210.5 | 216.5 | 235.5 | 275.5 | 280.5 | 315.5 | 342.0 | 382.0 | 398.5 | 433.5 | 408.5 | 443.0 | 461.5 | 511.5 |
| LBL | 229.0 | 255.0 | 271.5 | 290.5 | 330.5 | 340.5 | 375.5 | 412.0 | 452.0 | 477.0 | 512.0 | 481.5 | 516.0 | 566.0 | 616.0 |

⑤ ISO 4014

④ DIN 332

⑤ Feather key/keyway DIN 6885-1

¹⁾ AD depends on the motor options, for other dimensions, see page 9/46.

⑩ Use bores only for foot-mounted design

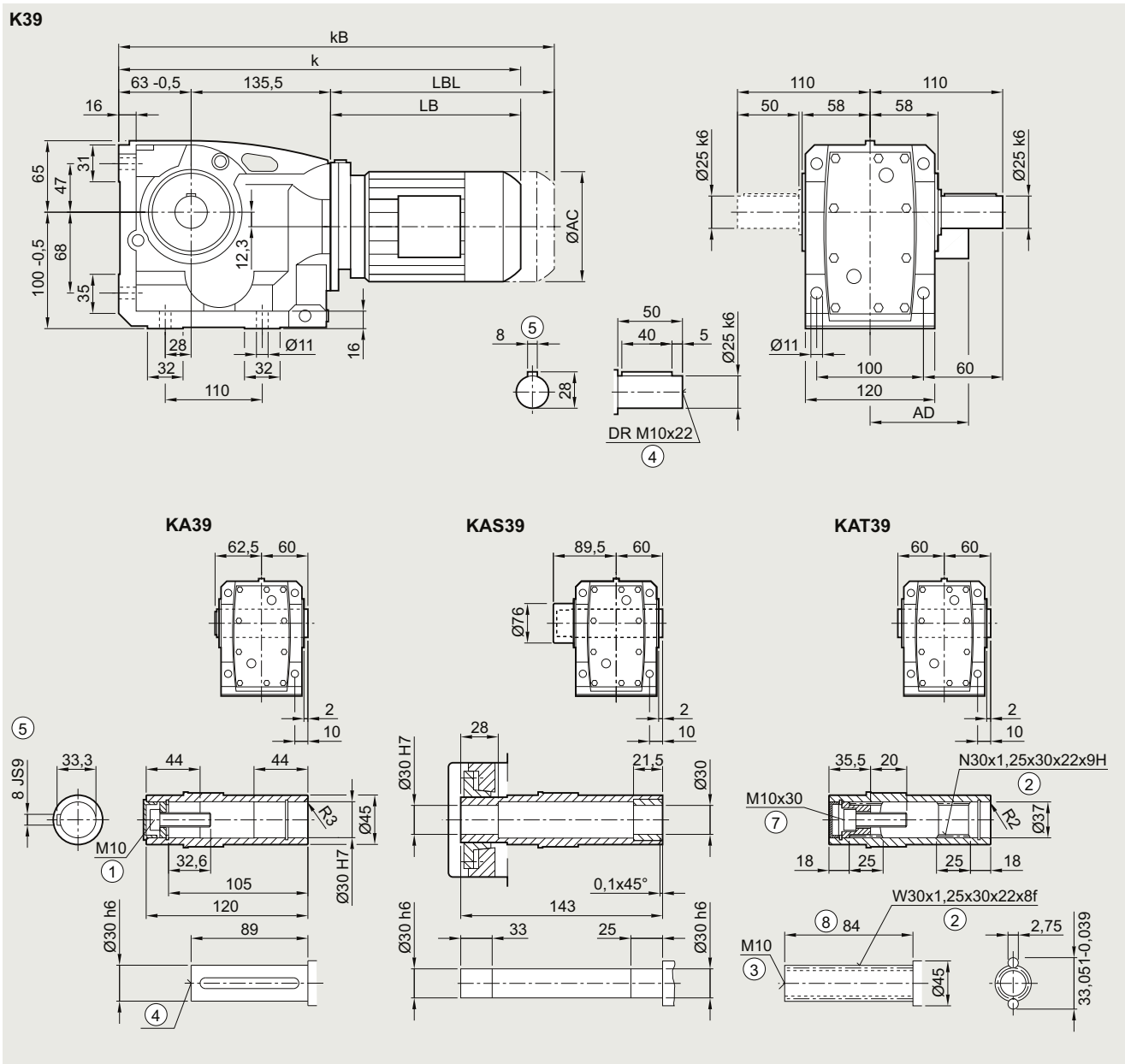
SIMOGEAR geared motors

Bevel geared motors

Dimensional drawings

Gearbox K..39 in a foot-mounted design

K030, KA030, KAS030, KAT030



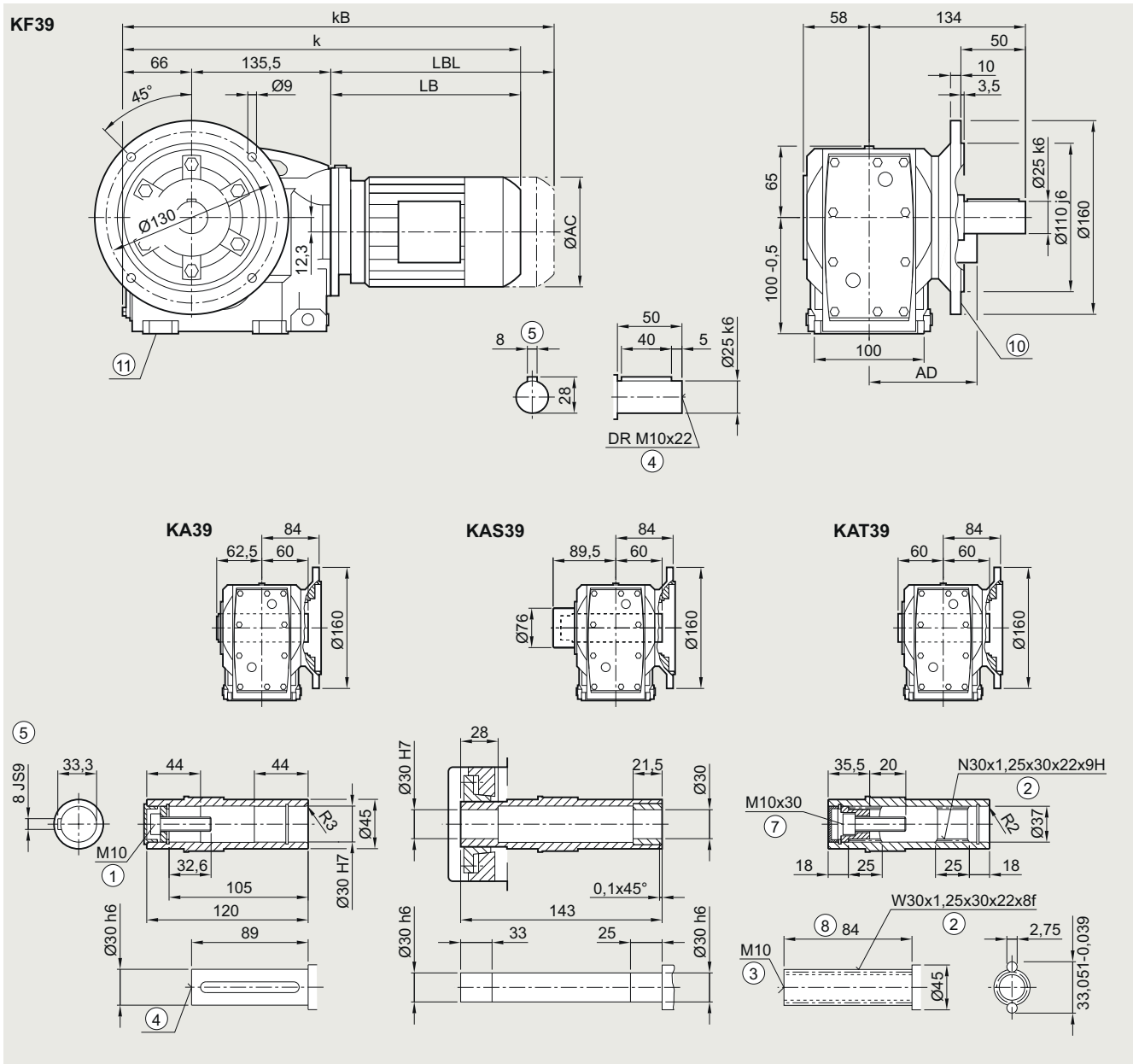
| Motor | LE | 63Z | 71 | 71Z | 71Y | 80 | 80Z | 90 | 90Z | 100 | 100Z | 112 | 112Z |
|------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 63 | | | | | | | | | | | | |
| AC | 117.8 | 117.8 | 138.8 | 138.8 | 138.8 | 156.3 | 156.3 | 173.8 | 173.8 | 198.0 | 198.0 | 222.0 | 222.0 |
| AD ¹⁾ | 124.0 | 124.0 | 134.0 | 134.0 | 134.0 | 149.2 | 149.2 | 154.2 | 154.2 | 170.5 | 170.5 | 181.5 | 181.5 |
| k | 392.0 | 418.0 | 424.0 | 443.0 | 483.0 | 488.0 | 523.0 | 549.5 | 589.5 | 606.0 | 641.0 | 616.0 | 641.0 |
| kB | 436.5 | 462.5 | 479.0 | 498.0 | 538.0 | 548.0 | 583.0 | 619.5 | 659.5 | 684.5 | 719.5 | 689.0 | 714.0 |
| LB | 194.0 | 220.0 | 226.0 | 245.0 | 285.0 | 290.0 | 325.0 | 351.5 | 391.5 | 408.0 | 443.0 | 418.0 | 443.0 |
| LBL | 238.5 | 264.5 | 281.0 | 300.0 | 340.0 | 350.0 | 385.0 | 421.5 | 461.5 | 486.5 | 521.5 | 491.0 | 516.0 |

① ISO 4014 ② DIN 5480 ③ DIN 332-D ④ DIN 332 ⑤ Feather key/keyway DIN 6885-1 ⑦ ISO 4762 ⑧ Without locating shoulder +1 mm

¹⁾ AD depends on the motor options, for other dimensions, see page 9/46.

Gearbox K.F.39 in a flange-mounted design

KF030, KAF030, KAFS030, KAFT030



| Motor | LE 63 | 63Z | 71 | 71Z | 71Y | 80 | 80Z | 90 | 90Z | 100 | 100Z | 112 | 112Z |
|------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| AC | 117.8 | 117.8 | 138.8 | 138.8 | 138.8 | 156.3 | 156.3 | 173.8 | 173.8 | 198.0 | 198.0 | 222.0 | 222.0 |
| AD ¹⁾ | 124.0 | 124.0 | 134.0 | 134.0 | 134.0 | 149.2 | 149.2 | 154.2 | 154.2 | 170.5 | 170.5 | 181.5 | 181.5 |
| k | 395.0 | 421.0 | 427.0 | 446.0 | 486.0 | 491.0 | 526.0 | 552.5 | 592.5 | 609.0 | 644.0 | 619.0 | 644.0 |
| kB | 439.5 | 465.5 | 482.0 | 501.0 | 541.0 | 551.0 | 586.0 | 622.5 | 662.5 | 687.5 | 722.5 | 692.0 | 717.0 |
| LB | 194.0 | 220.0 | 226.0 | 245.0 | 285.0 | 290.0 | 325.0 | 351.5 | 391.5 | 408.0 | 443.0 | 418.0 | 443.0 |
| LBL | 238.5 | 264.5 | 281.0 | 300.0 | 340.0 | 350.0 | 385.0 | 421.5 | 461.5 | 486.5 | 521.5 | 491.0 | 516.0 |

① ISO 4014 ② DIN 5480 ③ DIN 332-D ④ DIN 332 ⑤ Feather key/keyway DIN 6885-1 ⑦ ISO 4762 ⑧ Without locating shoulder +1 mm

⑨ For inner contour, see page 5/136 ⑩ Use bores only for foot-mounted design

¹⁾ AD depends on the motor options, for other dimensions, see page 9/46.

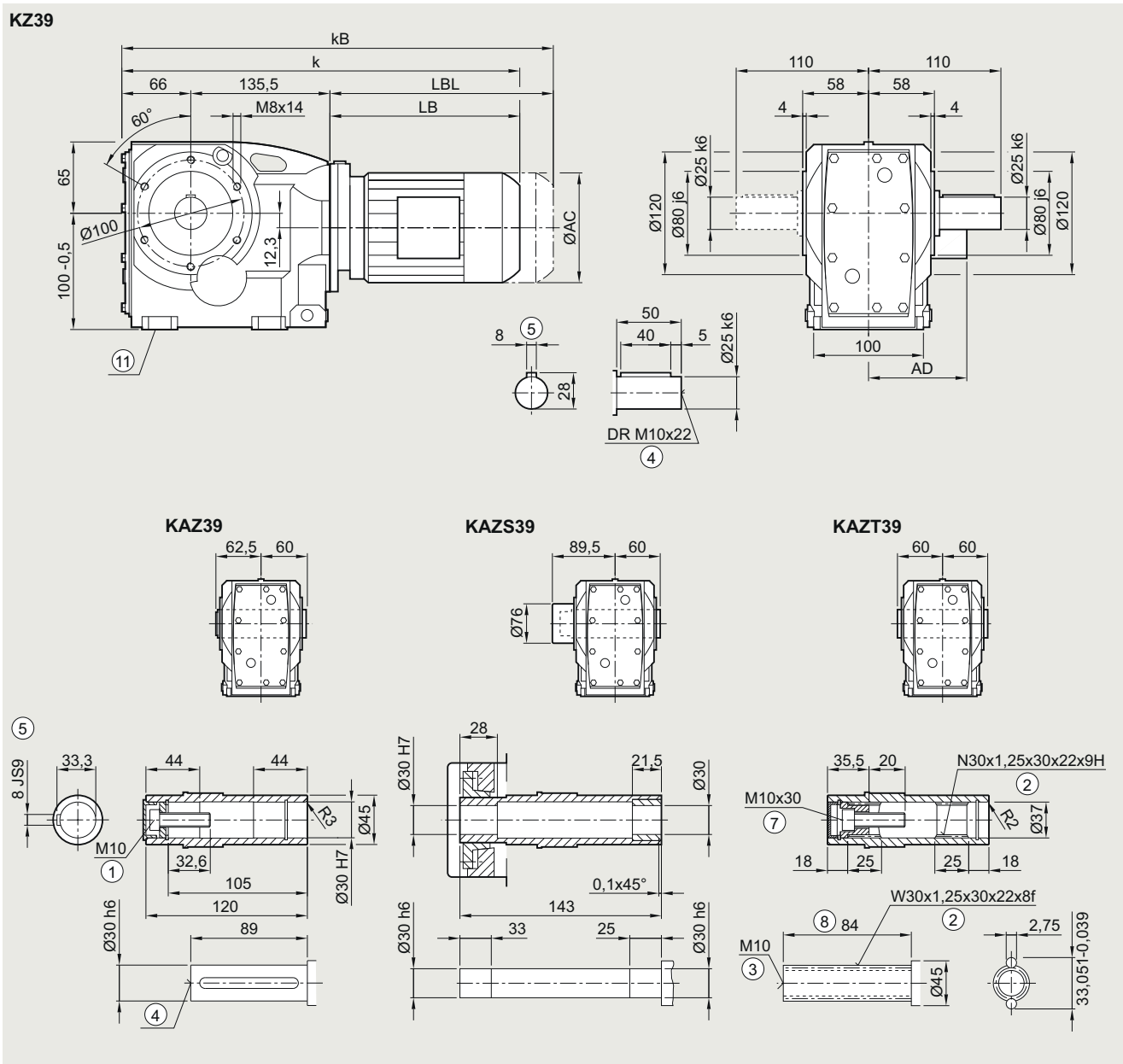
SIMOGEAR geared motors

Bevel geared motors

Dimensional drawings

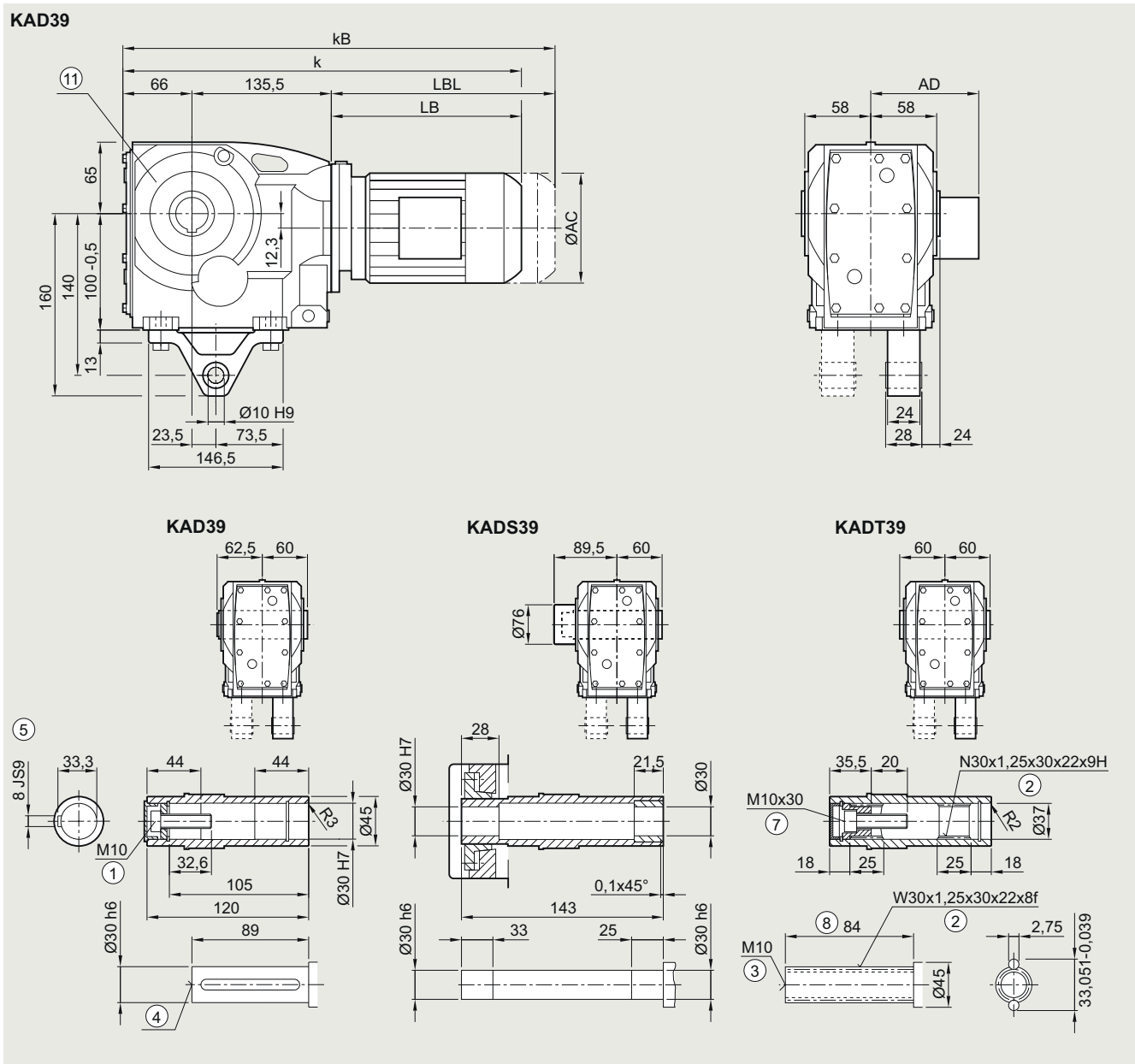
Gearbox K.Z.39 in a housing flange design

KZ030, KAZ030, KAZS030, KAZT030



| Motor | LE 63 | 63Z | 71 | 71Z | 71Y | 80 | 80Z | 90 | 90Z | 100 | 100Z | 112 | 112Z |
|------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| AC | 117.8 | 117.8 | 138.8 | 138.8 | 138.8 | 156.3 | 156.3 | 173.8 | 173.8 | 198.0 | 198.0 | 222.0 | 222.0 |
| AD ¹⁾ | 124.0 | 124.0 | 134.0 | 134.0 | 134.0 | 149.2 | 149.2 | 154.2 | 154.2 | 170.5 | 170.5 | 181.5 | 181.5 |
| k | 395.0 | 421.0 | 427.0 | 446.0 | 486.0 | 491.0 | 526.0 | 552.5 | 592.5 | 609.0 | 644.0 | 619.0 | 644.0 |
| kB | 439.5 | 465.5 | 482.0 | 501.0 | 541.0 | 551.0 | 586.0 | 622.5 | 662.5 | 687.5 | 722.5 | 692.0 | 717.0 |
| LB | 194.0 | 220.0 | 226.0 | 245.0 | 285.0 | 290.0 | 325.0 | 351.5 | 391.5 | 408.0 | 443.0 | 418.0 | 443.0 |
| LBL | 238.5 | 264.5 | 281.0 | 300.0 | 340.0 | 350.0 | 385.0 | 421.5 | 461.5 | 486.5 | 521.5 | 491.0 | 516.0 |

① ISO 4014 ② DIN 5480 ③ DIN 332-D ④ DIN 332 ⑤ Feather key/keyway DIN 6885-1 ⑦ ISO 4762 ⑧ Without locating shoulder +1 mm
 ⑨ Use bores only for foot-mounted design
 1) AD depends on the motor options, for other dimensions, see page 9/46.

Gearbox KAD.39 in a shaft-mounted design
KAD031, KADS031, KADT031


| Motor | LE | | | | | | | | | | | | |
|------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 63 | 63Z | 71 | 71Z | 71Y | 80 | 80Z | 90 | 90Z | 100 | 100Z | 112 | 112Z |
| AC | 117.8 | 117.8 | 138.8 | 138.8 | 138.8 | 156.3 | 156.3 | 173.8 | 173.8 | 198.0 | 198.0 | 222.0 | 222.0 |
| AD ¹⁾ | 124.0 | 124.0 | 134.0 | 134.0 | 134.0 | 149.2 | 149.2 | 154.2 | 154.2 | 170.5 | 170.5 | 181.5 | 181.5 |
| k | 395.0 | 421.0 | 427.0 | 446.0 | 486.0 | 491.0 | 526.0 | 552.5 | 592.5 | 609.0 | 644.0 | 619.0 | 644.0 |
| kB | 439.5 | 465.5 | 482.0 | 501.0 | 541.0 | 551.0 | 586.0 | 622.5 | 662.5 | 687.5 | 722.5 | 692.0 | 717.0 |
| LB | 194.0 | 220.0 | 226.0 | 245.0 | 285.0 | 290.0 | 325.0 | 351.5 | 391.5 | 408.0 | 443.0 | 418.0 | 443.0 |
| LBL | 238.5 | 264.5 | 281.0 | 300.0 | 340.0 | 350.0 | 385.0 | 421.5 | 461.5 | 486.5 | 521.5 | 491.0 | 516.0 |

① ISO 4014 ② DIN 5480 ③ DIN 332-D ④ DIN 332 ⑤ Feather key/keyway DIN 6885-1 ⑦ ISO 4762 ⑧ Without locating shoulder +1 mm
 ⑨ Use bores only for housing flange design 1) AD depends on the motor options, for other dimensions, see page 9/46.

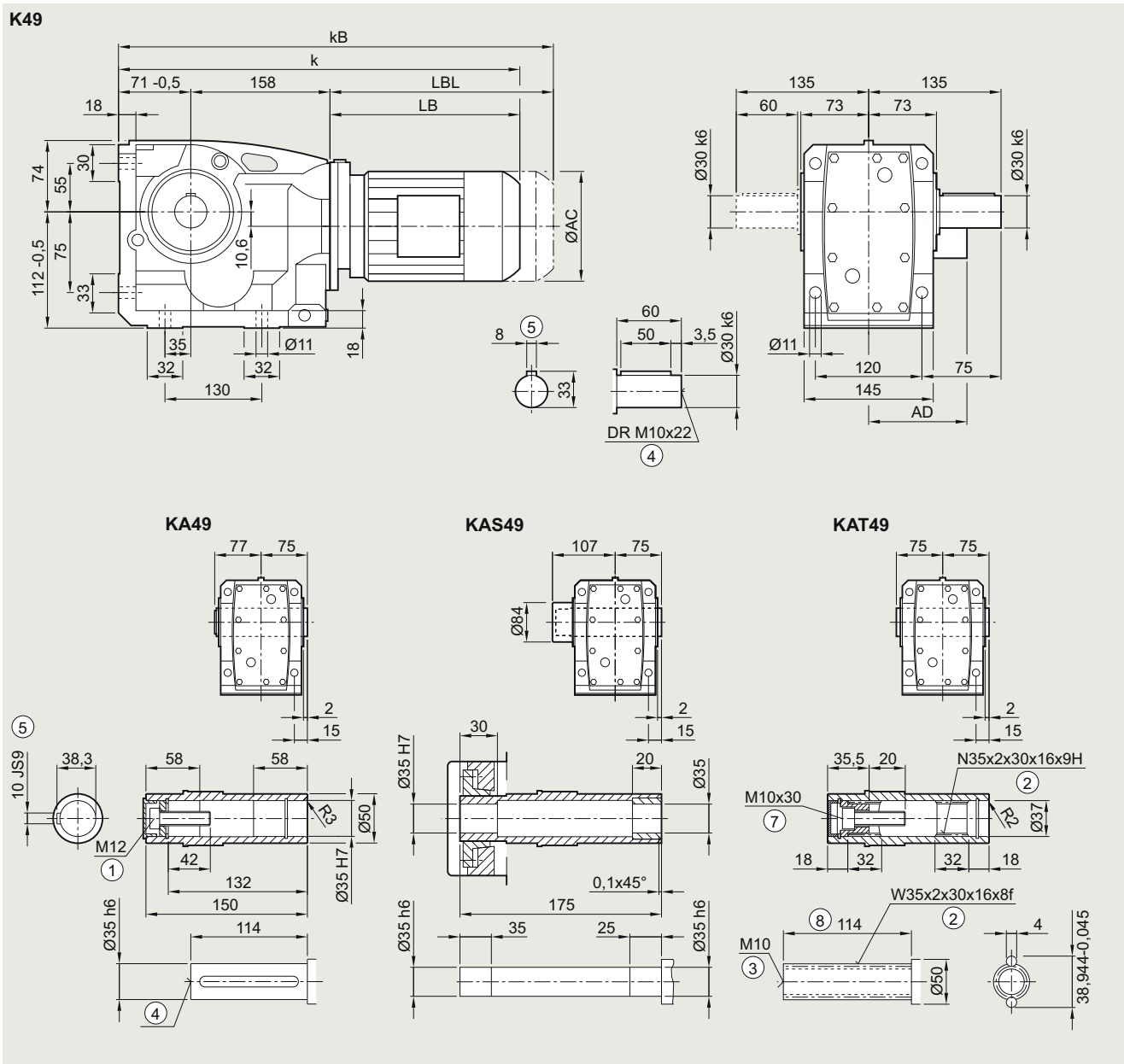
SIMOGEAR geared motors

Bevel geared motors

Dimensional drawings

Gearbox K..49 in a foot-mounted design

K030, KA030, KAS030, KAT030



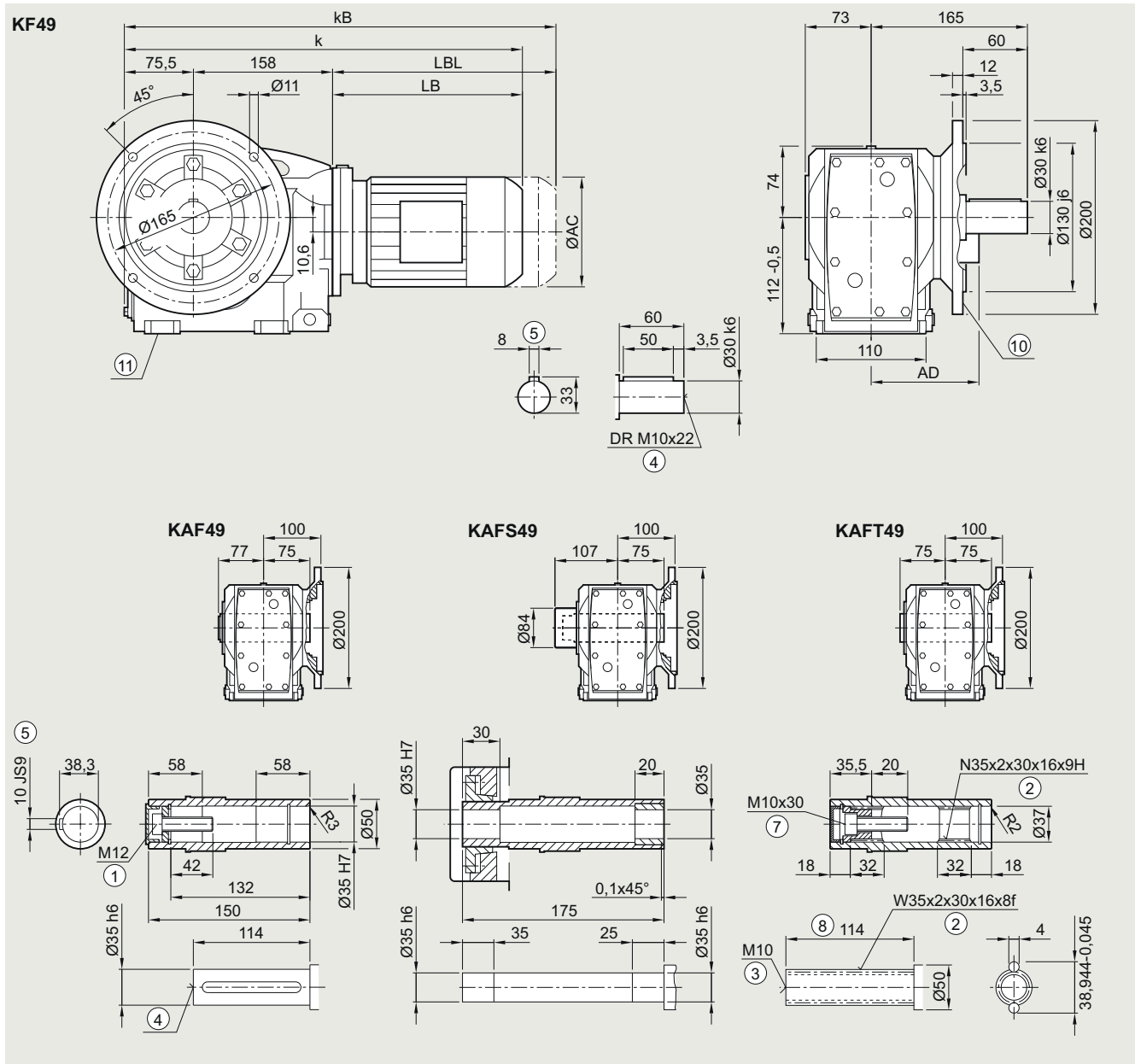
| Motor | LE 63 | 63Z | 71 | 71Z | 71Y | 80 | 80Z | 90 | 90Z | 100 | 100Z | 112 | 112Z | 132 | 132Z |
|------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| AC | 117.8 | 117.8 | 138.8 | 138.8 | 138.8 | 156.3 | 156.3 | 173.8 | 173.8 | 198.0 | 198.0 | 222.0 | 222.0 | 264.0 | 264.0 |
| AD ¹⁾ | 124.0 | 124.0 | 134.0 | 134.0 | 134.0 | 149.2 | 149.2 | 154.2 | 154.2 | 170.5 | 170.5 | 181.5 | 181.5 | 207.0 | 207.0 |
| k | 413.5 | 439.5 | 445.5 | 464.5 | 504.5 | 509.5 | 544.5 | 571.0 | 611.0 | 627.5 | 662.5 | 637.5 | 672.0 | 690.5 | 740.5 |
| kB | 458.0 | 484.0 | 500.5 | 519.5 | 559.5 | 569.5 | 604.5 | 641.0 | 681.0 | 706.0 | 741.0 | 710.5 | 745.0 | 795.0 | 845.0 |
| LB | 184.5 | 210.5 | 216.5 | 235.5 | 275.5 | 280.5 | 315.5 | 342.0 | 382.0 | 398.5 | 433.5 | 408.5 | 443.0 | 461.5 | 511.5 |
| LBL | 229.0 | 255.0 | 271.5 | 290.5 | 330.5 | 340.5 | 375.5 | 412.0 | 452.0 | 477.0 | 512.0 | 481.5 | 516.0 | 566.0 | 616.0 |

① ISO 4014 ② DIN 5480 ③ DIN 332-D ④ DIN 332 ⑤ Feather key/keyway DIN 6885-1 ⑦ ISO 4762 ⑧ Without locating shoulder +1 mm

¹⁾ AD depends on the motor options, for other dimensions, see page 9/46.

Gearbox K.F.49 in a flange-mounted design

KF030, KAF030, KAFS030, KAFT030



| Motor | LE 63 | 63Z | 71 | 71Z | 71Y | 80 | 80Z | 90 | 90Z | 100 | 100Z | 112 | 112Z | 132 | 132Z |
|------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| AC | 117.8 | 117.8 | 138.8 | 138.8 | 138.8 | 156.3 | 156.3 | 173.8 | 173.8 | 198.0 | 198.0 | 222.0 | 222.0 | 264.0 | 264.0 |
| AD ¹⁾ | 124.0 | 124.0 | 134.0 | 134.0 | 134.0 | 149.2 | 149.2 | 154.2 | 154.2 | 170.5 | 170.5 | 181.5 | 181.5 | 207.0 | 207.0 |
| k | 418.0 | 444.0 | 450.0 | 469.0 | 509.0 | 514.0 | 549.0 | 575.5 | 615.5 | 632.0 | 667.0 | 642.0 | 676.5 | 695.0 | 745.0 |
| kB | 462.5 | 488.5 | 505.0 | 524.0 | 564.0 | 574.0 | 609.0 | 645.5 | 685.5 | 710.5 | 745.5 | 715.0 | 749.5 | 799.5 | 849.5 |
| LB | 184.5 | 210.5 | 216.5 | 235.5 | 275.5 | 280.5 | 315.5 | 342.0 | 382.0 | 398.5 | 433.5 | 408.5 | 443.0 | 461.5 | 511.5 |
| LBL | 229.0 | 255.0 | 271.5 | 290.5 | 330.5 | 340.5 | 375.5 | 412.0 | 452.0 | 477.0 | 512.0 | 481.5 | 516.0 | 566.0 | 616.0 |

① ISO 4014 ② DIN 5480 ③ DIN 332-D ④ DIN 332 ⑤ Feather key/keyway DIN 6885-1 ⑦ ISO 4762 ⑧ Without locating shoulder +1 mm

⑨ For inner contour, see page 5/136 ⑩ Use bores only for foot-mounted design

¹⁾ AD depends on the motor options, for other dimensions, see page 9/46.

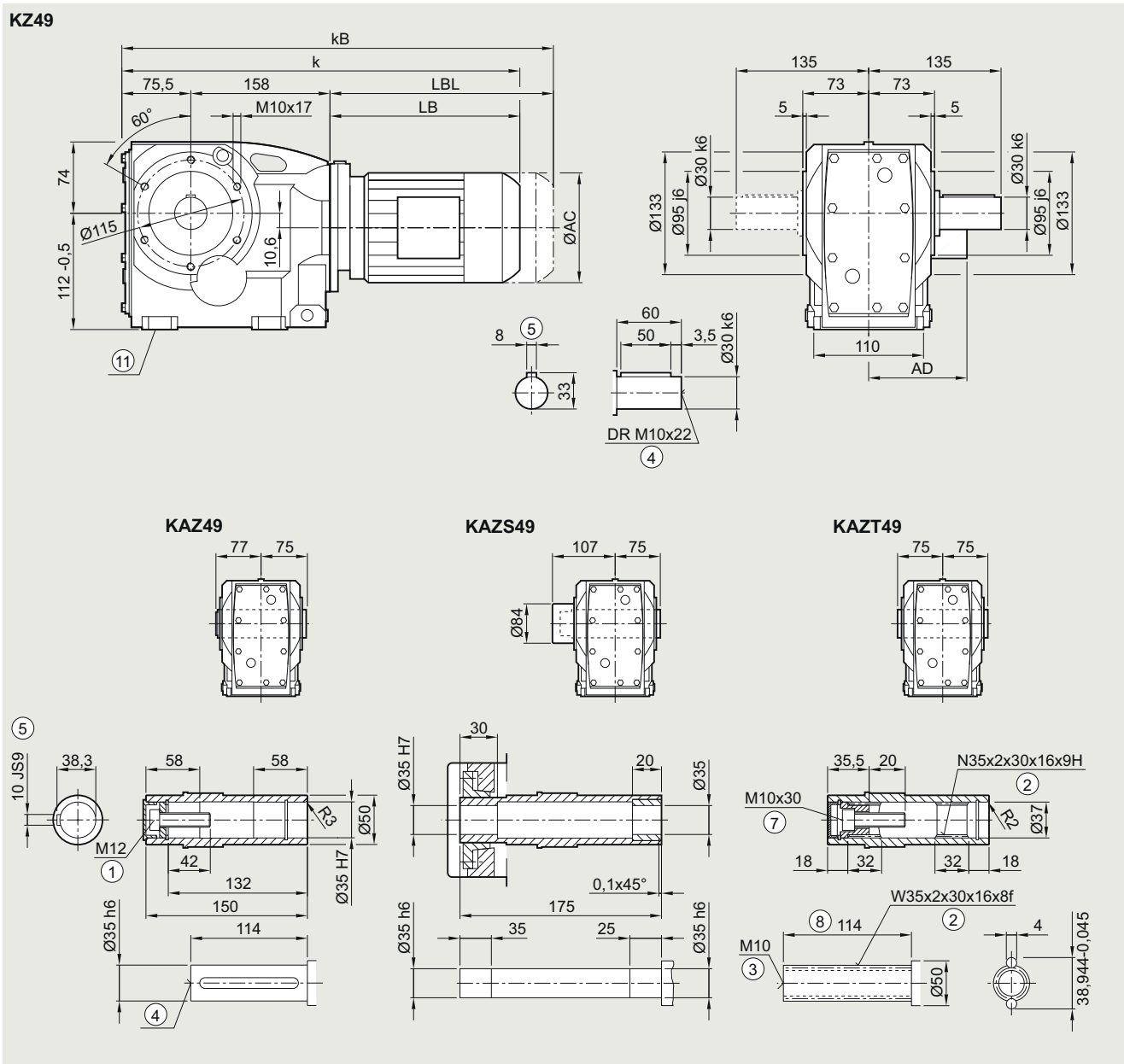
SIMOGEAR geared motors

Bevel geared motors

Dimensional drawings

Gearbox K.Z.49 in a housing flange design

KZ030, KAZ030, KAZS030, KAZT030

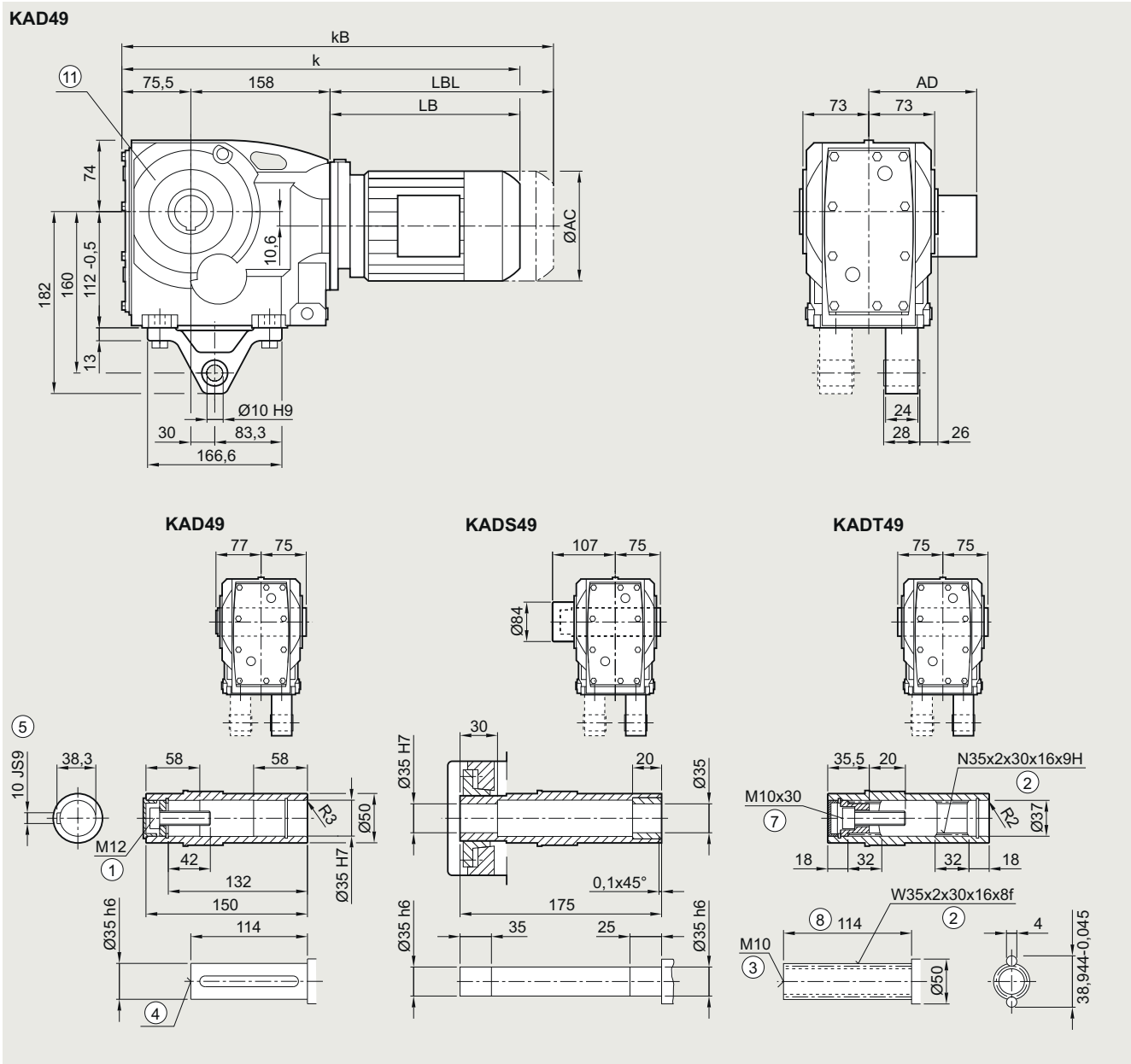


| Motor | LE 63 | 63Z | 71 | 71Z | 71Y | 80 | 80Z | 90 | 90Z | 100 | 100Z | 112 | 112Z | 132 | 132Z |
|------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| AC | 117.8 | 117.8 | 138.8 | 138.8 | 138.8 | 156.3 | 156.3 | 173.8 | 173.8 | 198.0 | 198.0 | 222.0 | 222.0 | 264.0 | 264.0 |
| AD ¹⁾ | 124.0 | 124.0 | 134.0 | 134.0 | 134.0 | 149.2 | 149.2 | 154.2 | 154.2 | 170.5 | 170.5 | 181.5 | 181.5 | 207.0 | 207.0 |
| k | 418.0 | 444.0 | 450.0 | 469.0 | 509.0 | 514.0 | 549.0 | 575.5 | 615.5 | 632.0 | 667.0 | 642.0 | 676.5 | 695.0 | 745.0 |
| kB | 462.5 | 488.5 | 505.0 | 524.0 | 564.0 | 574.0 | 609.0 | 645.5 | 685.5 | 710.5 | 745.5 | 715.0 | 749.5 | 799.5 | 849.5 |
| LB | 184.5 | 210.5 | 216.5 | 235.5 | 275.5 | 280.5 | 315.5 | 342.0 | 382.0 | 398.5 | 433.5 | 408.5 | 443.0 | 461.5 | 511.5 |
| LBL | 229.0 | 255.0 | 271.5 | 290.5 | 330.5 | 340.5 | 375.5 | 412.0 | 452.0 | 477.0 | 512.0 | 481.5 | 516.0 | 566.0 | 616.0 |

① ISO 4014 ② DIN 5480 ③ DIN 332-D ④ DIN 332 ⑤ Feather key/keyway DIN 6885-1 ⑥ ISO 4762 ⑦ Without locating shoulder +1 mm
 ⑧ Use bores only for foot-mounted design ⑨ AD depends on the motor options, for other dimensions, see page 9/46.

Gearbox KAD.49 in a shaft-mounted design

KAD031, KADS031, KADT031



5

| Motor | LE | 63 | 63Z | 71 | 71Z | 71Y | 80 | 80Z | 90 | 90Z | 100 | 100Z | 112 | 112Z | 132 | 132Z |
|------------------|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| AC | | 117.8 | 117.8 | 138.8 | 138.8 | 138.8 | 156.3 | 156.3 | 173.8 | 173.8 | 198.0 | 198.0 | 222.0 | 222.0 | 264.0 | 264.0 |
| AD ¹⁾ | | 124.0 | 124.0 | 134.0 | 134.0 | 134.0 | 149.2 | 149.2 | 154.2 | 154.2 | 170.5 | 170.5 | 181.5 | 181.5 | 207.0 | 207.0 |
| k | | 418.0 | 444.0 | 450.0 | 469.0 | 509.0 | 514.0 | 549.0 | 575.5 | 615.5 | 632.0 | 667.0 | 642.0 | 676.5 | 695.0 | 745.0 |
| kB | | 462.5 | 488.5 | 505.0 | 524.0 | 564.0 | 574.0 | 609.0 | 645.5 | 685.5 | 710.5 | 745.5 | 715.0 | 749.5 | 799.5 | 849.5 |
| LB | | 184.5 | 210.5 | 216.5 | 235.5 | 275.5 | 280.5 | 315.5 | 342.0 | 382.0 | 398.5 | 433.5 | 408.5 | 443.0 | 461.5 | 511.5 |
| LBL | | 229.0 | 255.0 | 271.5 | 290.5 | 330.5 | 340.5 | 375.5 | 412.0 | 452.0 | 477.0 | 512.0 | 481.5 | 516.0 | 566.0 | 616.0 |

① ISO 4014 ② DIN 5480 ③ DIN 332-D ④ DIN 332 ⑤ Feather key/keyway DIN 6885-1 ⑦ ISO 4762 ⑧ Without locating shoulder +1 mm
⑨ Use bores only for housing flange design
¹⁾ AD depends on the motor options, for other dimensions, see page 9/46.

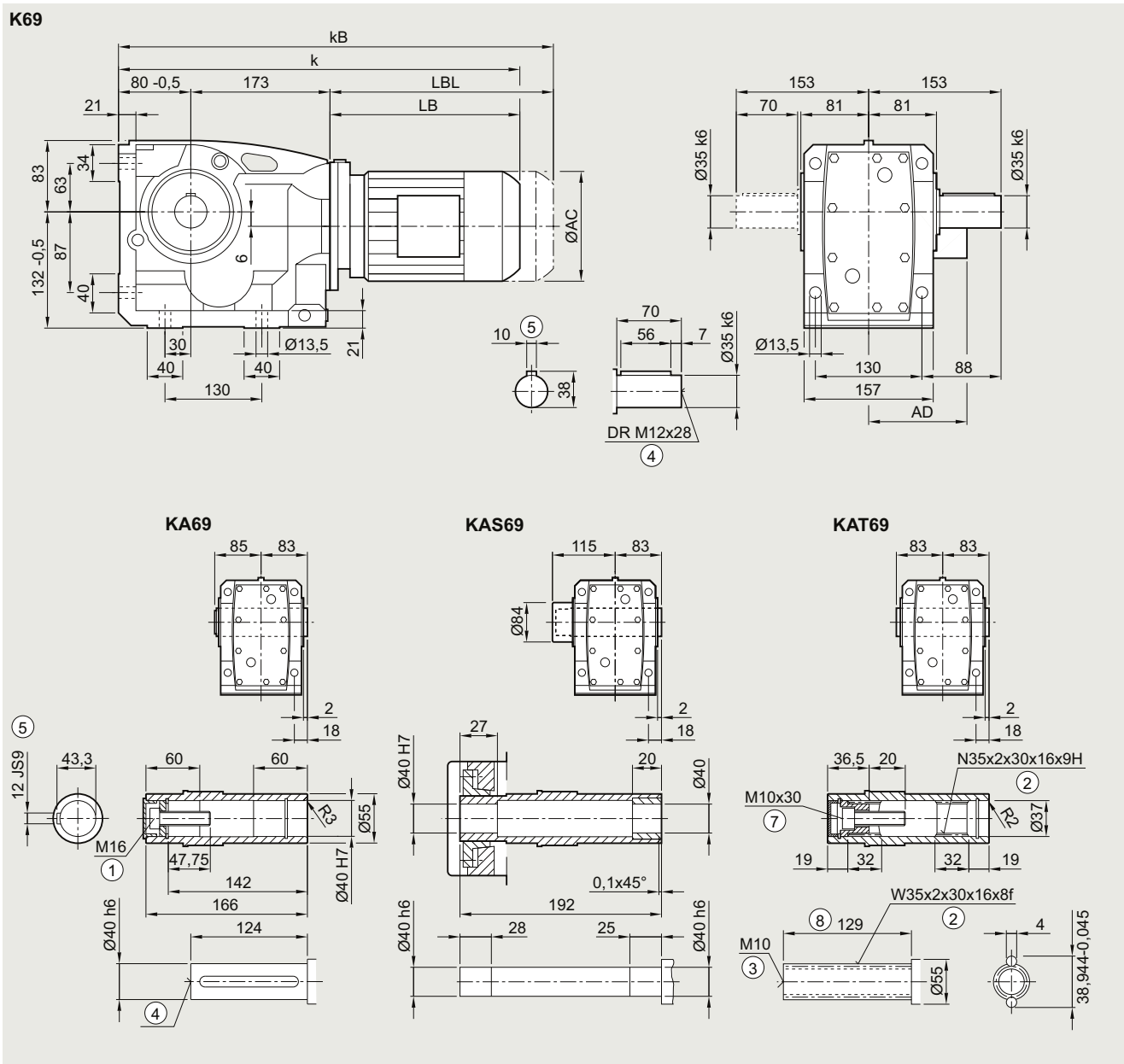
SIMOGEAR geared motors

Bevel geared motors

Dimensional drawings

Gearbox K..69 in a foot-mounted design

K030, KA030, KAS030, KAT030



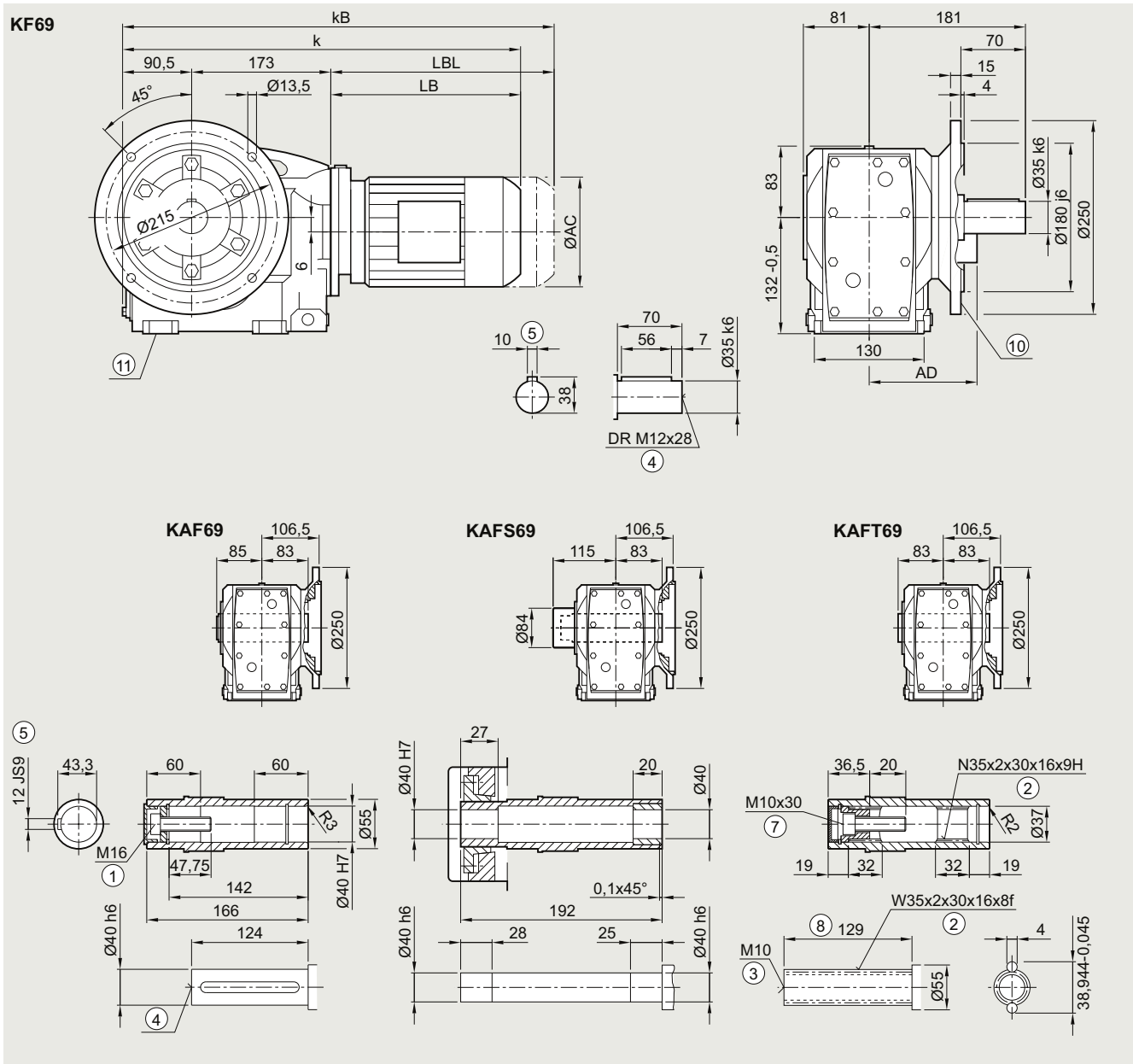
| Motor | LE 63 | 63Z | 71 | 71Z | 71Y | 80 | 80Z | 90 | 90Z | 100 | 100Z | 112 | 112Z | 132 | 132Z |
|------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| AC | 117.8 | 117.8 | 138.8 | 138.8 | 138.8 | 156.3 | 156.3 | 173.8 | 173.8 | 198.0 | 198.0 | 222.0 | 222.0 | 264.0 | 264.0 |
| AD ¹⁾ | 124.0 | 124.0 | 134.0 | 134.0 | 134.0 | 149.2 | 149.2 | 154.2 | 154.2 | 170.5 | 170.5 | 181.5 | 181.5 | 207.0 | 207.0 |
| k | 437.5 | 463.5 | 469.5 | 488.5 | 528.5 | 533.5 | 568.5 | 595.0 | 635.0 | 651.5 | 686.5 | 661.5 | 696.0 | 714.5 | 764.5 |
| kB | 482.0 | 508.0 | 524.5 | 543.5 | 583.5 | 593.5 | 628.5 | 665.0 | 705.0 | 730.0 | 765.0 | 734.5 | 769.0 | 819.0 | 869.0 |
| LB | 184.5 | 210.5 | 216.5 | 235.5 | 275.5 | 280.5 | 315.5 | 342.0 | 382.0 | 398.5 | 433.5 | 408.5 | 443.0 | 461.5 | 511.5 |
| LBL | 229.0 | 255.0 | 271.5 | 290.5 | 330.5 | 340.5 | 375.5 | 412.0 | 452.0 | 477.0 | 512.0 | 481.5 | 516.0 | 566.0 | 616.0 |

① ISO 4014 ② DIN 5480 ③ DIN 332-D ④ DIN 332 ⑤ Feather key/keyway DIN 6885-1 ⑦ ISO 4762 ⑧ Without locating shoulder +1 mm

¹⁾ AD depends on the motor options, for other dimensions, see page 9/46.

Gearbox K.F.69 in a flange-mounted design

KF030, KAF030, KAFS030, KAFT030



| Motor | LE 63 | 63Z | 71 | 71Z | 71Y | 80 | 80Z | 90 | 90Z | 100 | 100Z | 112 | 112Z | 132 | 132Z |
|------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| AC | 117.8 | 117.8 | 138.8 | 138.8 | 138.8 | 156.3 | 156.3 | 173.8 | 173.8 | 198.0 | 198.0 | 222.0 | 222.0 | 264.0 | 264.0 |
| AD ¹⁾ | 124.0 | 124.0 | 134.0 | 134.0 | 134.0 | 149.2 | 149.2 | 154.2 | 154.2 | 170.5 | 170.5 | 181.5 | 181.5 | 207.0 | 207.0 |
| k | 448.0 | 474.0 | 480.0 | 499.0 | 539.0 | 544.0 | 579.0 | 605.5 | 645.5 | 662.0 | 697.0 | 672.0 | 706.5 | 725.0 | 775.0 |
| kB | 492.5 | 518.5 | 535.0 | 554.0 | 594.0 | 604.0 | 639.0 | 675.5 | 715.5 | 740.5 | 775.5 | 745.0 | 779.5 | 829.5 | 879.5 |
| LB | 184.5 | 210.5 | 216.5 | 235.5 | 275.5 | 280.5 | 315.5 | 342.0 | 382.0 | 398.5 | 433.5 | 408.5 | 443.0 | 461.5 | 511.5 |
| LBL | 229.0 | 255.0 | 271.5 | 290.5 | 330.5 | 340.5 | 375.5 | 412.0 | 452.0 | 477.0 | 512.0 | 481.5 | 516.0 | 566.0 | 616.0 |

① ISO 4014 ② DIN 5480 ③ DIN 332-D ④ DIN 332 ⑤ Feather key/keyway DIN 6885-1 ⑦ ISO 4762 ⑧ Without locating shoulder +1 mm

⑨ For inner contour, see page 5/136 ⑩ Use bores only for foot-mounted design

¹⁾ AD depends on the motor options, for other dimensions, see page 9/46.

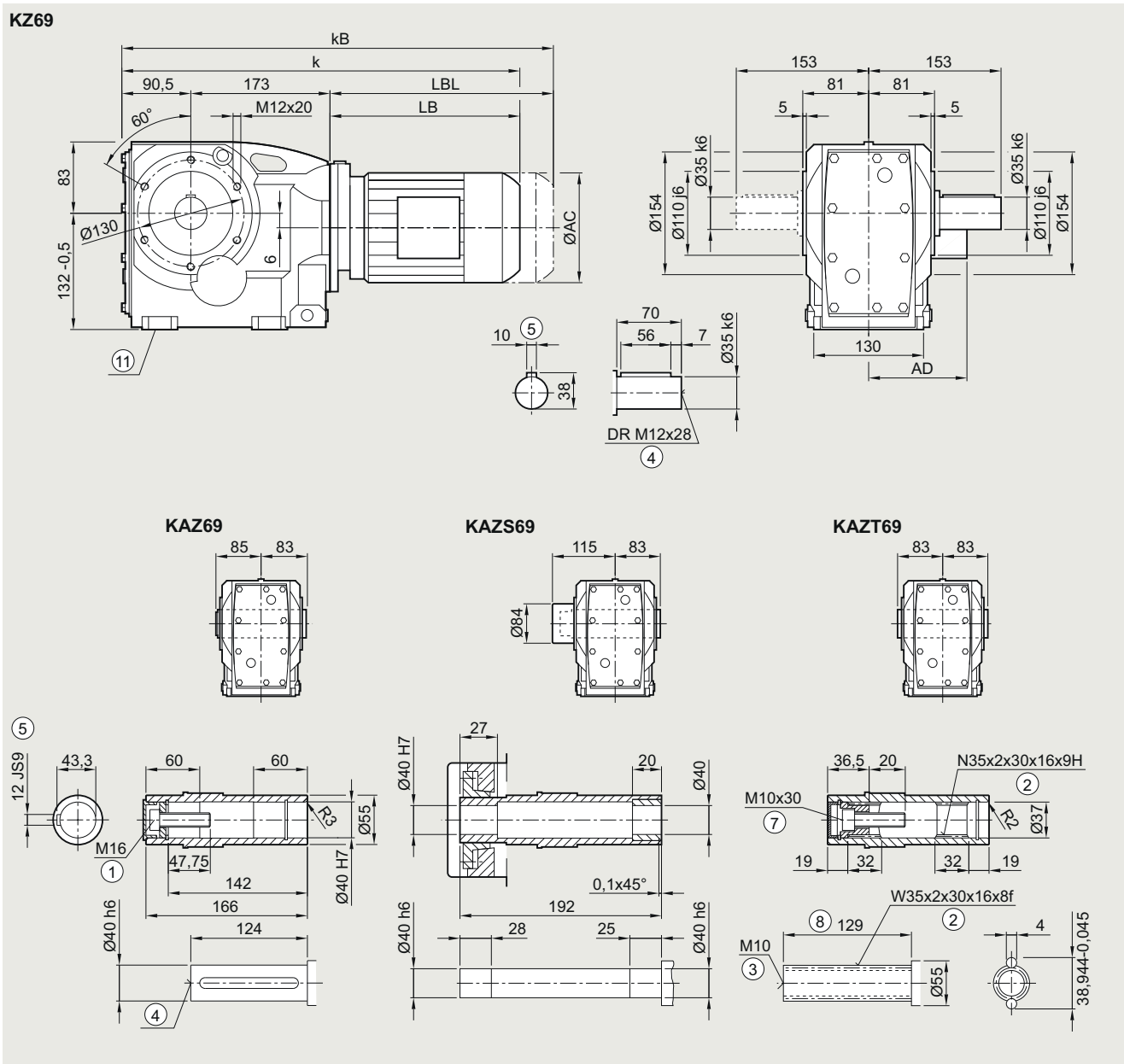
SIMOGEAR geared motors

Bevel geared motors

Dimensional drawings

Gearbox K.Z.69 in a housing flange design

KZ030, KAZ030, KAZS030, KAZT030

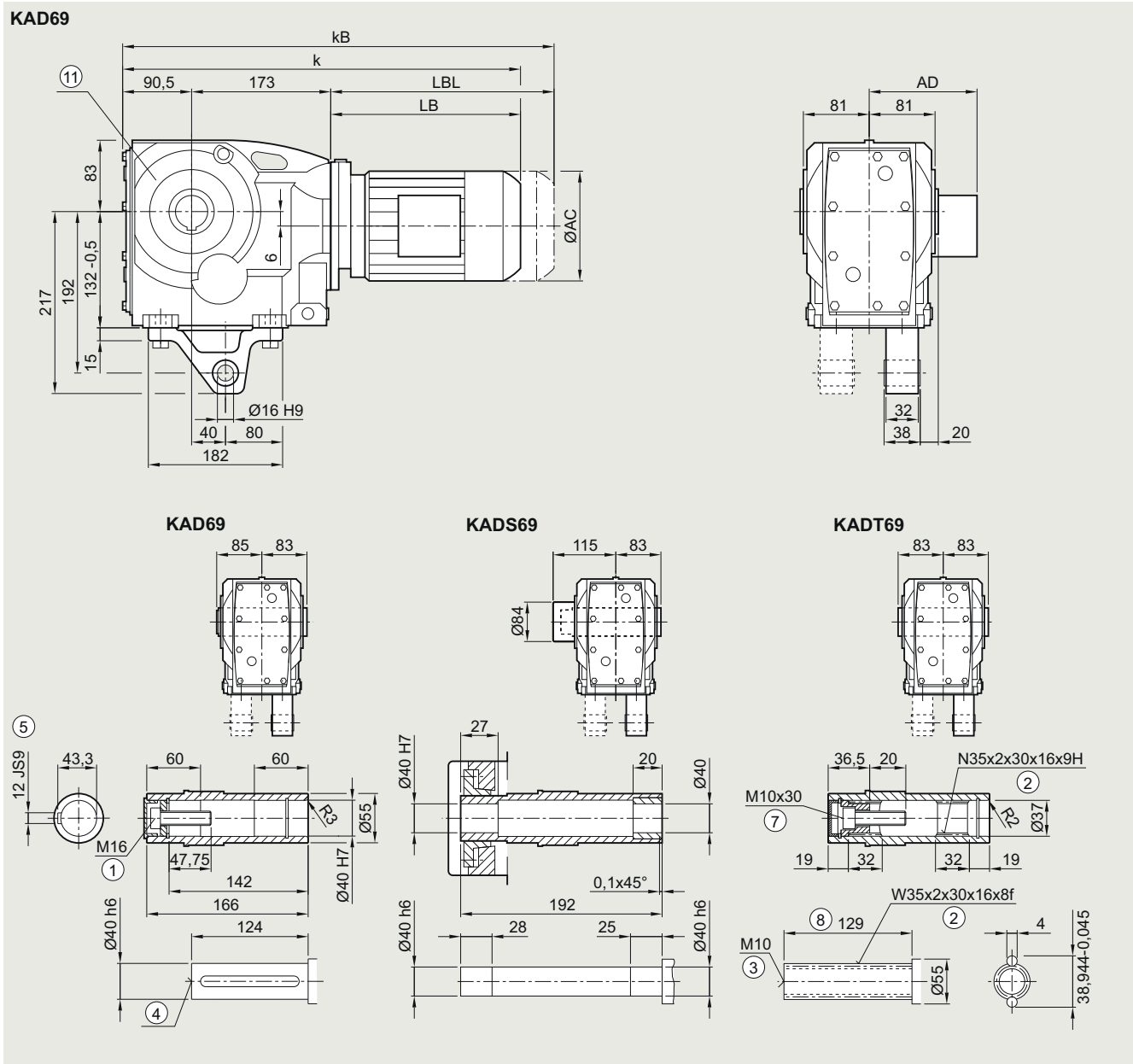


| Motor | LE | 63 | 63Z | 71 | 71Z | 71Y | 80 | 80Z | 90 | 90Z | 100 | 100Z | 112 | 112Z | 132 | 132Z |
|------------------|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| AC | | 117.8 | 117.8 | 138.8 | 138.8 | 138.8 | 156.3 | 156.3 | 173.8 | 173.8 | 198.0 | 198.0 | 222.0 | 222.0 | 264.0 | 264.0 |
| AD ¹⁾ | | 124.0 | 124.0 | 134.0 | 134.0 | 134.0 | 149.2 | 149.2 | 154.2 | 154.2 | 170.5 | 170.5 | 181.5 | 181.5 | 207.0 | 207.0 |
| k | | 448.0 | 474.0 | 480.0 | 499.0 | 539.0 | 544.0 | 579.0 | 605.5 | 645.5 | 662.0 | 697.0 | 672.0 | 706.5 | 725.0 | 775.0 |
| kB | | 492.5 | 518.5 | 535.0 | 554.0 | 594.0 | 604.0 | 639.0 | 675.5 | 715.5 | 740.5 | 775.5 | 745.0 | 779.5 | 829.5 | 879.5 |
| LB | | 184.5 | 210.5 | 216.5 | 235.5 | 275.5 | 280.5 | 315.5 | 342.0 | 382.0 | 398.5 | 433.5 | 408.5 | 443.0 | 461.5 | 511.5 |
| LBL | | 229.0 | 255.0 | 271.5 | 290.5 | 330.5 | 340.5 | 375.5 | 412.0 | 452.0 | 477.0 | 512.0 | 481.5 | 516.0 | 566.0 | 616.0 |

① ISO 4014 ② DIN 5480 ③ DIN 332-D ④ DIN 332 ⑤ Feather key/keyway DIN 6885-1 ⑥ ISO 4762 ⑦ Without locating shoulder +1 mm
 ⑧ Use bores only for foot-mounted design ⑨ AD depends on the motor options, for other dimensions, see page 9/46.

Gearbox KAD.69 in a shaft-mounted design

KAD030, KADS030, KADT030



| Motor | LE 63 | 63Z | 71 | 71Z | 71Y | 80 | 80Z | 90 | 90Z | 100 | 100Z | 112 | 112Z | 132 | 132Z |
|------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| AC | 117.8 | 117.8 | 138.8 | 138.8 | 138.8 | 156.3 | 156.3 | 173.8 | 173.8 | 198.0 | 198.0 | 222.0 | 222.0 | 264.0 | 264.0 |
| AD ¹⁾ | 124.0 | 124.0 | 134.0 | 134.0 | 134.0 | 149.2 | 149.2 | 154.2 | 154.2 | 170.5 | 170.5 | 181.5 | 181.5 | 207.0 | 207.0 |
| k | 448.0 | 474.0 | 480.0 | 499.0 | 539.0 | 544.0 | 579.0 | 605.5 | 645.5 | 662.0 | 697.0 | 672.0 | 706.5 | 725.0 | 775.0 |
| kB | 492.5 | 518.5 | 535.0 | 554.0 | 594.0 | 604.0 | 639.0 | 675.5 | 715.5 | 740.5 | 775.5 | 745.0 | 779.5 | 829.5 | 879.5 |
| LB | 184.5 | 210.5 | 216.5 | 235.5 | 275.5 | 280.5 | 315.5 | 342.0 | 382.0 | 398.5 | 433.5 | 408.5 | 443.0 | 461.5 | 511.5 |
| LBL | 229.0 | 255.0 | 271.5 | 290.5 | 330.5 | 340.5 | 375.5 | 412.0 | 452.0 | 477.0 | 512.0 | 481.5 | 516.0 | 566.0 | 616.0 |

① ISO 4014 ② DIN 5480 ③ DIN 332-D ④ DIN 332 ⑤ Feather key/keyway DIN 6885-1 ⑦ ISO 4762 ⑧ Without locating shoulder +1 mm
 ⑨ Use bores only for housing flange design 1) AD depends on the motor options, for other dimensions, see page 9/46.

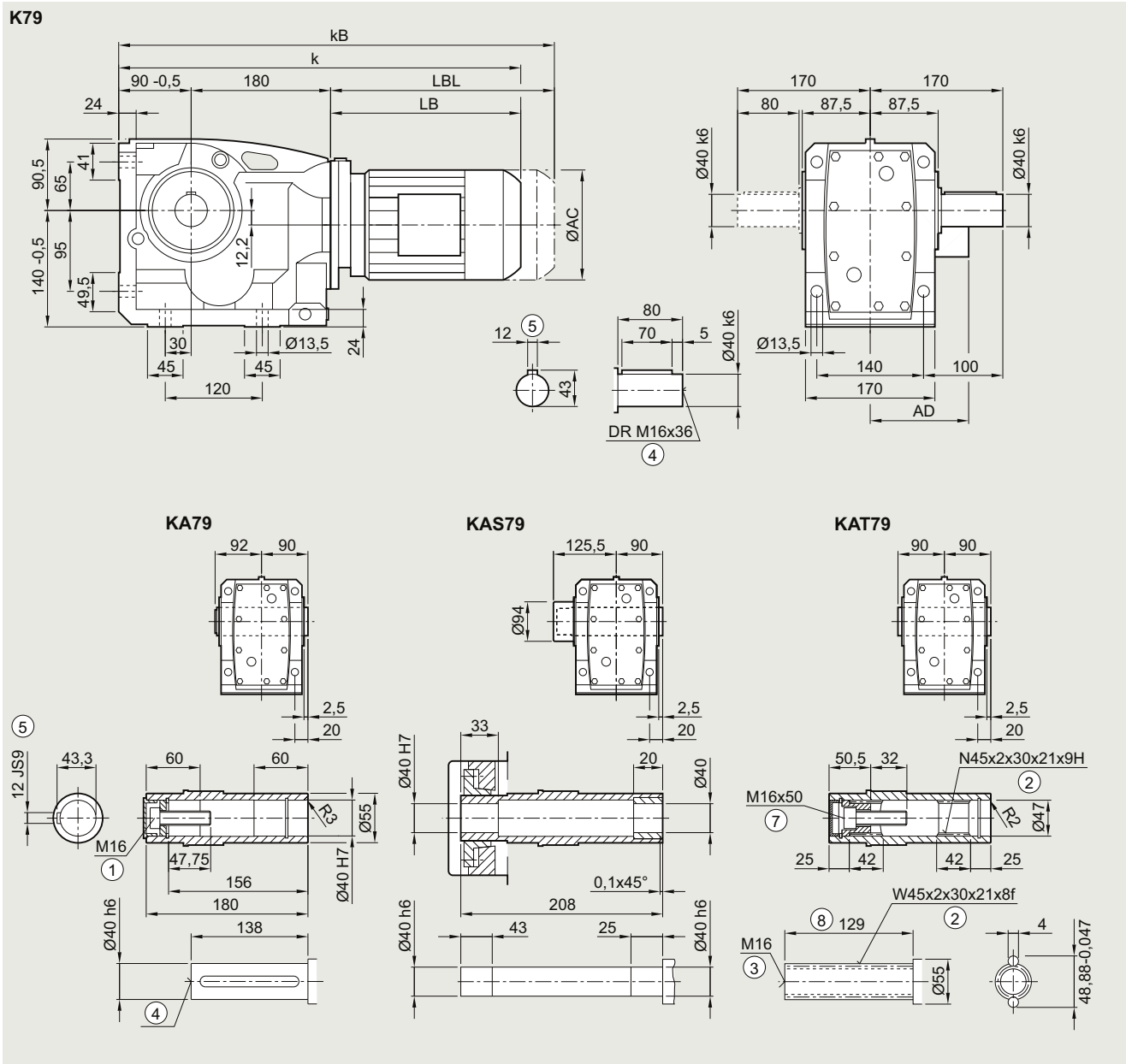
SIMOGEAR geared motors

Bevel geared motors

Dimensional drawings

Gearbox K..79 in a foot-mounted design

K030, KA030, KAS030, KAT030



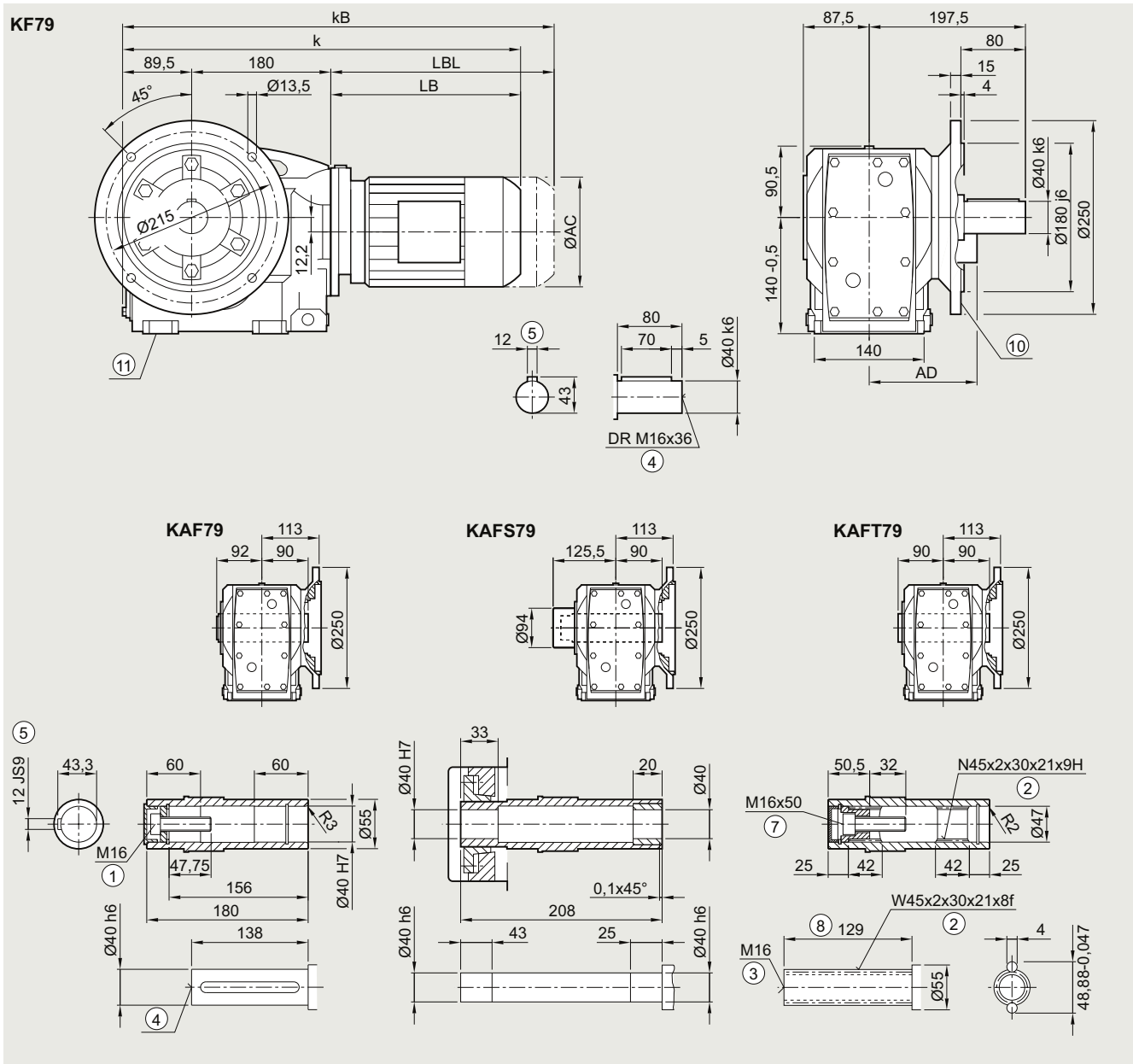
| Motor | LE 63 | 63Z | 71 | 71Z | 71Y | 80 | 80Z | 90 | 90Z | 100 | 100Z | 112 | 112Z | 132 | 132Z |
|------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| AC | 117.8 | 117.8 | 138.8 | 138.8 | 138.8 | 156.3 | 156.3 | 173.8 | 173.8 | 198.0 | 198.0 | 222.0 | 222.0 | 264.0 | 264.0 |
| AD ¹⁾ | 124.0 | 124.0 | 134.0 | 134.0 | 134.0 | 149.2 | 149.2 | 154.2 | 154.2 | 170.5 | 170.5 | 181.5 | 181.5 | 207.0 | 207.0 |
| k | 454.5 | 480.5 | 486.5 | 505.5 | 545.5 | 550.5 | 585.5 | 612.0 | 652.0 | 668.5 | 703.5 | 678.5 | 713.0 | 731.5 | 781.5 |
| kB | 499.0 | 525.0 | 541.5 | 560.5 | 600.5 | 610.5 | 645.5 | 682.0 | 722.0 | 747.0 | 782.0 | 751.5 | 786.0 | 836.0 | 886.0 |
| LB | 184.5 | 210.5 | 216.5 | 235.5 | 275.5 | 280.5 | 315.5 | 342.0 | 382.0 | 398.5 | 433.5 | 408.5 | 443.0 | 461.5 | 511.5 |
| LBL | 229.0 | 255.0 | 271.5 | 290.5 | 330.5 | 340.5 | 375.5 | 412.0 | 452.0 | 477.0 | 512.0 | 481.5 | 516.0 | 566.0 | 616.0 |

① ISO 4014 ② DIN 5480 ③ DIN 332-D ④ DIN 332 ⑤ Feather key/keyway DIN 6885-1 ⑦ ISO 4762 ⑧ Without locating shoulder +1 mm

¹⁾ AD depends on the motor options, for other dimensions, see page 9/46.

Gearbox K.F.79 in a flange-mounted design

KF030, KAF030, KAFS030, KAFT030



| Motor | LE 63 | 63Z | 71 | 71Z | 71Y | 80 | 80Z | 90 | 90Z | 100 | 100Z | 112 | 112Z | 132 | 132Z |
|------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| AC | 117.8 | 117.8 | 138.8 | 138.8 | 138.8 | 156.3 | 156.3 | 173.8 | 173.8 | 198.0 | 198.0 | 222.0 | 222.0 | 264.0 | 264.0 |
| AD ¹⁾ | 124.0 | 124.0 | 134.0 | 134.0 | 134.0 | 149.2 | 149.2 | 154.2 | 154.2 | 170.5 | 170.5 | 181.5 | 181.5 | 207.0 | 207.0 |
| k | 454.0 | 480.0 | 486.0 | 505.0 | 545.0 | 550.0 | 585.0 | 611.5 | 651.5 | 668.0 | 703.0 | 678.5 | 712.5 | 731.0 | 781.0 |
| kB | 498.5 | 524.5 | 541.0 | 560.0 | 600.0 | 610.0 | 645.0 | 681.5 | 721.5 | 746.5 | 781.5 | 751.0 | 785.5 | 835.5 | 885.5 |
| LB | 184.5 | 210.5 | 216.5 | 235.5 | 275.5 | 280.5 | 315.5 | 342.0 | 382.0 | 398.5 | 433.5 | 408.5 | 443.0 | 461.5 | 511.5 |
| LBL | 229.0 | 255.0 | 271.5 | 290.5 | 330.5 | 340.5 | 375.5 | 412.0 | 452.0 | 477.0 | 512.0 | 481.5 | 516.0 | 566.0 | 616.0 |

① ISO 4014 ② DIN 5480 ③ DIN 332-D ④ DIN 332 ⑤ Feather key/keyway DIN 6885-1 ⑦ ISO 4762 ⑧ Without locating shoulder +1 mm

⑩ For inner contour, see page 5/136 ⑪ Use bores only for foot-mounted design

¹⁾ AD depends on the motor options, for other dimensions, see page 9/46.

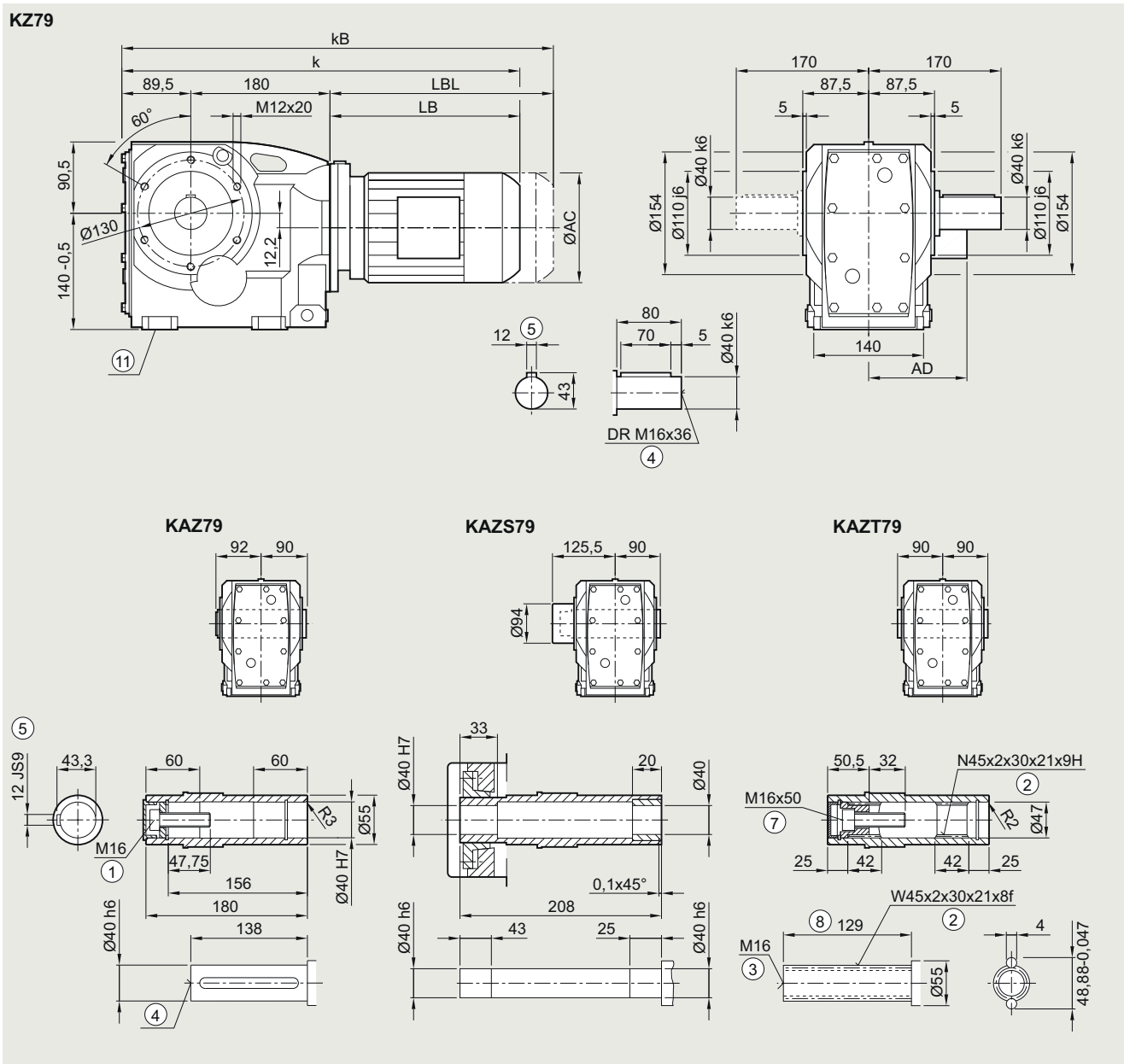
SIMOGEAR geared motors

Bevel geared motors

Dimensional drawings

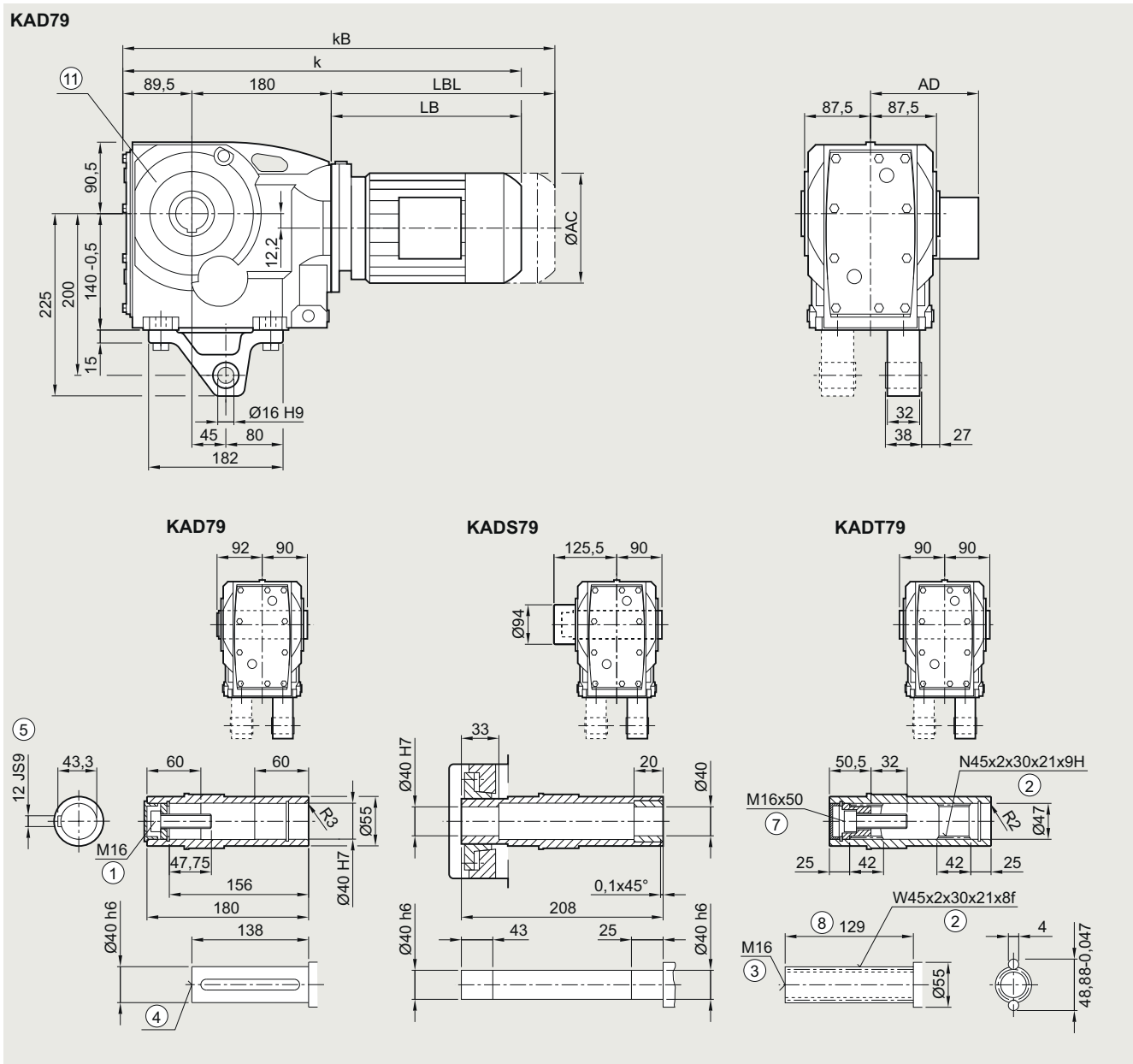
Gearbox K.Z.79 in a housing flange design

KZ030, KAZ030, KAZS030, KAZT030



| Motor | LE 63 | 63Z | 71 | 71Z | 71Y | 80 | 80Z | 90 | 90Z | 100 | 100Z | 112 | 112Z | 132 | 132Z |
|------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| AC | 117.8 | 117.8 | 138.8 | 138.8 | 138.8 | 156.3 | 156.3 | 173.8 | 173.8 | 198.0 | 198.0 | 222.0 | 222.0 | 264.0 | 264.0 |
| AD ¹⁾ | 124.0 | 124.0 | 134.0 | 134.0 | 134.0 | 149.2 | 149.2 | 154.2 | 154.2 | 170.5 | 170.5 | 181.5 | 181.5 | 207.0 | 207.0 |
| k | 454.0 | 480.0 | 486.0 | 505.0 | 545.0 | 550.0 | 585.0 | 611.5 | 651.5 | 668.0 | 703.0 | 678.5 | 712.5 | 731.0 | 781.0 |
| kB | 498.5 | 524.5 | 541.0 | 560.0 | 600.0 | 610.0 | 645.0 | 681.5 | 721.5 | 746.5 | 781.5 | 751.0 | 785.5 | 835.5 | 885.5 |
| LB | 184.5 | 210.5 | 216.5 | 235.5 | 275.5 | 280.5 | 315.5 | 342.0 | 382.0 | 398.5 | 433.5 | 408.5 | 443.0 | 461.5 | 511.5 |
| LBL | 229.0 | 255.0 | 271.5 | 290.5 | 330.5 | 340.5 | 375.5 | 412.0 | 452.0 | 477.0 | 512.0 | 481.5 | 516.0 | 566.0 | 616.0 |

① ISO 4014 ② DIN 5480 ③ DIN 332-D ④ DIN 332 ⑤ Feather key/keyway DIN 6885-1 ⑦ ISO 4762 ⑧ Without locating shoulder +1 mm
 ⑨ Use bores only for foot-mounted design
 1) AD depends on the motor options, for other dimensions, see page 9/46.

Gearbox KAD.79 in a shaft-mounted design
KAD030, KADS030, KADT030


| Motor | LE | | | | | | | | | | | | | | | |
|------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|
| | 63 | 63Z | 71 | 71Z | 71Y | 80 | 80Z | 90 | 90Z | 100 | 100Z | 112 | 112Z | 132 | 132Z | |
| AC | 117.8 | 117.8 | 138.8 | 138.8 | 138.8 | 156.3 | 156.3 | 173.8 | 173.8 | 198.0 | 198.0 | 222.0 | 222.0 | 264.0 | 264.0 | |
| AD ¹⁾ | 124.0 | 124.0 | 134.0 | 134.0 | 134.0 | 149.2 | 149.2 | 154.2 | 154.2 | 170.5 | 170.5 | 181.5 | 181.5 | 207.0 | 207.0 | |
| k | 454.0 | 480.0 | 486.0 | 505.0 | 545.0 | 550.0 | 585.0 | 611.5 | 651.5 | 668.0 | 703.0 | 678.5 | 712.5 | 731.0 | 781.0 | |
| kB | 498.5 | 524.5 | 541.0 | 560.0 | 600.0 | 610.0 | 645.0 | 681.5 | 721.5 | 746.5 | 781.5 | 751.0 | 785.5 | 835.5 | 885.5 | |
| LB | 184.5 | 210.5 | 216.5 | 235.5 | 275.5 | 280.5 | 315.5 | 342.0 | 382.0 | 398.5 | 433.5 | 408.5 | 443.0 | 461.5 | 511.5 | |
| LBL | 229.0 | 255.0 | 271.5 | 290.5 | 330.5 | 340.5 | 375.5 | 412.0 | 452.0 | 477.0 | 512.0 | 481.5 | 516.0 | 566.0 | 616.0 | |

① ISO 4014 ② DIN 5480 ③ DIN 332-D ④ DIN 332 ⑤ Feather key/keyway DIN 6885-1 ⑦ ISO 4762 ⑧ Without locating shoulder +1 mm
 ⑨ Use bores only for housing flange design
 1) AD depends on the motor options, for other dimensions, see page 9/46.

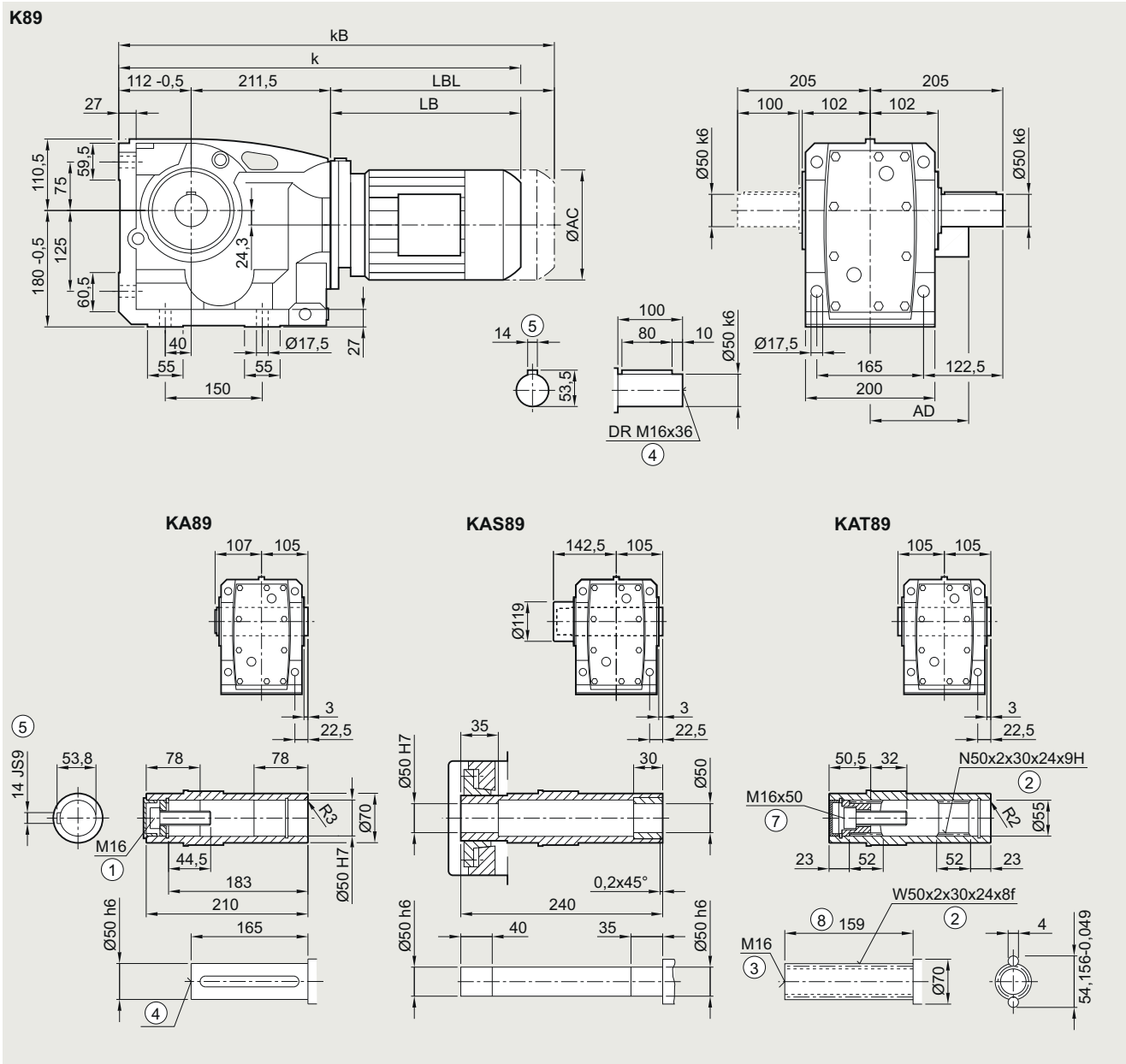
SIMOGEAR geared motors

Bevel geared motors

Dimensional drawings

Gearbox K..89 in a foot-mounted design

K030, KA030, KAS030, KAT030



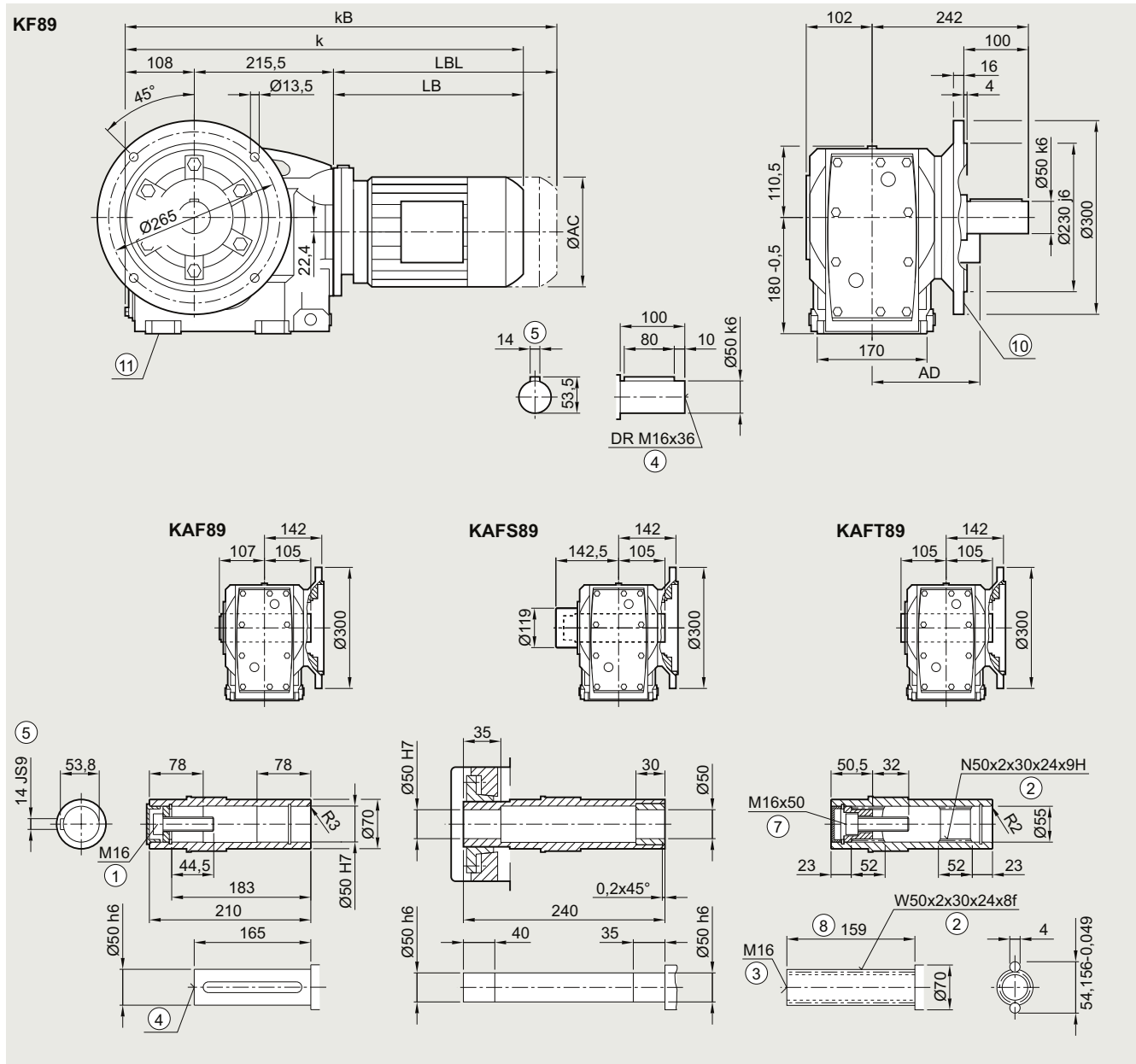
| Motor | LE | | | | | | | | | | | | | | | |
|------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--|
| | 71 | 71Z | 71Y | 80 | 80Z | 90 | 90Z | 100 | 100Z | 112 | 112Z | 132 | 132Z | 160 | 160Z | |
| AC | 138.8 | 138.8 | 138.8 | 156.3 | 156.3 | 173.8 | 173.8 | 198.0 | 198.0 | 222.0 | 222.0 | 264.0 | 264.0 | 318.0 | 318.0 | |
| AD ¹⁾ | 134.0 | 134.0 | 134.0 | 149.2 | 149.2 | 154.2 | 154.2 | 170.5 | 170.5 | 181.5 | 181.5 | 207.0 | 207.0 | 241.0 | 241.0 | |
| k | 538.0 | 557.0 | 597.0 | 598.0 | 633.0 | 659.5 | 699.5 | 716.0 | 751.0 | 726.0 | 751.0 | 779.0 | 829.0 | 861.0 | 921.0 | |
| kB | 593.0 | 612.0 | 652.0 | 658.0 | 693.0 | 729.5 | 769.5 | 794.5 | 829.5 | 799.0 | 824.0 | 883.5 | 933.5 | 977.0 | 1037.0 | |
| LB | 214.5 | 233.5 | 273.5 | 274.5 | 309.5 | 336.0 | 376.0 | 392.5 | 427.5 | 402.5 | 427.5 | 455.5 | 505.5 | 537.5 | 597.5 | |
| LBL | 269.5 | 288.5 | 328.5 | 334.5 | 369.5 | 406.0 | 446.0 | 471.0 | 506.0 | 475.5 | 500.5 | 560.0 | 610.0 | 653.5 | 713.5 | |

① ISO 4014 ② DIN 5480 ③ DIN 332-D ④ DIN 332 ⑤ Feather key/keyway DIN 6885-1 ⑦ ISO 4762 ⑧ Without locating shoulder +1 mm

¹⁾ AD depends on the motor options, for other dimensions, see page 9/46.

Gearbox K.F.89 in a flange-mounted design

KF030, KAF030, KAFS030, KAFT030



| Motor | LE 71 | 71Z | 71Y | 80 | 80Z | 90 | 90Z | 100 | 100Z | 112 | 112Z | 132 | 132Z | 160 | 160Z |
|------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| AC | 138.8 | 138.8 | 138.8 | 156.3 | 156.3 | 173.8 | 173.8 | 198.0 | 198.0 | 222.0 | 222.0 | 264.0 | 264.0 | 318.0 | 318.0 |
| AD ¹⁾ | 134.0 | 134.0 | 134.0 | 149.2 | 149.2 | 154.2 | 154.2 | 170.5 | 170.5 | 181.5 | 181.5 | 207.0 | 207.0 | 241.0 | 241.0 |
| k | 538.0 | 557.0 | 597.0 | 598.0 | 633.0 | 659.5 | 699.5 | 716.0 | 751.0 | 726.0 | 751.0 | 779.0 | 829.0 | 861.0 | 921.0 |
| kB | 593.0 | 612.0 | 652.0 | 658.0 | 693.0 | 729.5 | 769.5 | 794.5 | 829.5 | 799.0 | 824.0 | 883.5 | 933.5 | 977.0 | 1037.0 |
| LB | 214.5 | 233.5 | 273.5 | 274.5 | 309.5 | 336.0 | 376.0 | 392.5 | 427.5 | 402.5 | 427.5 | 455.5 | 505.5 | 537.5 | 597.5 |
| LBL | 269.5 | 288.5 | 328.5 | 334.5 | 369.5 | 406.0 | 446.0 | 471.0 | 506.0 | 475.5 | 500.5 | 560.0 | 610.0 | 653.5 | 713.5 |

① ISO 4014 ② DIN 5480 ③ DIN 332-D ④ DIN 332 ⑤ Feather key/keyway DIN 6885-1 ⑦ ISO 4762 ⑧ Without locating shoulder +1 mm

⑨ For inner contour, see page 5/136 ⑩ Use bores only for foot-mounted design

¹⁾ AD depends on the motor options, for other dimensions, see page 9/46.

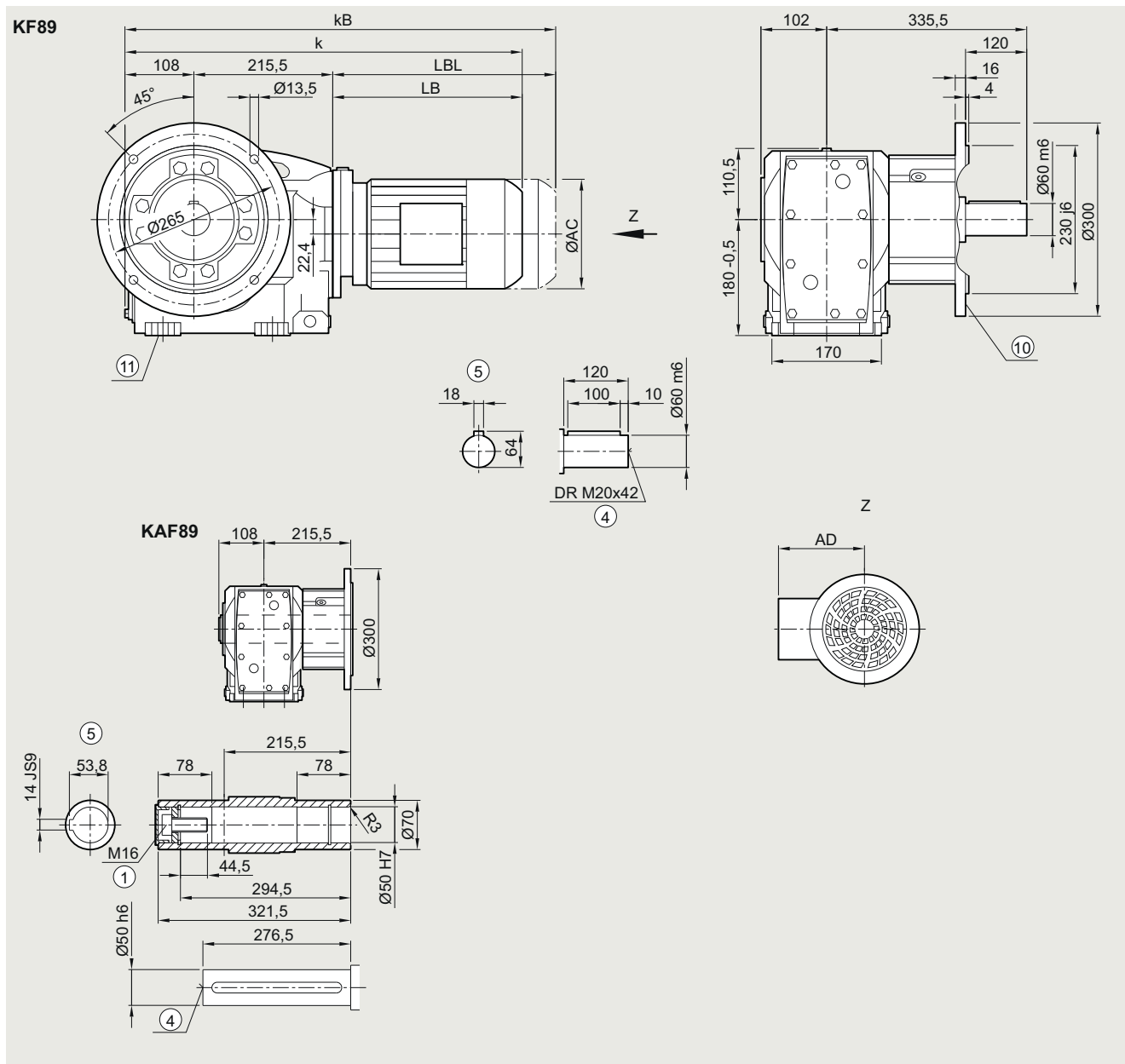
SIMOGEAR geared motors

Bevel geared motors

Dimensional drawings

Gearbox K.F.89 in a flange-mounted design with VLplus reinforced bearing system (G30)

KF040, KAF040



| Motor | LE | | | | | | | | | | | | | | | |
|------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--|
| | 71 | 71Z | 71Y | 80 | 80Z | 90 | 90Z | 100 | 100Z | 112 | 112Z | 132 | 132Z | 160 | 160Z | |
| AC | 138.8 | 138.8 | 138.8 | 156.3 | 156.3 | 173.8 | 173.8 | 198.0 | 198.0 | 222.0 | 222.0 | 264.0 | 264.0 | 318.0 | 318.0 | |
| AD ¹⁾ | 134.0 | 134.0 | 134.0 | 149.2 | 149.2 | 154.2 | 154.2 | 170.5 | 170.5 | 181.5 | 181.5 | 207.0 | 207.0 | 241.0 | 241.0 | |
| k | 538.0 | 557.0 | 597.0 | 598.0 | 633.0 | 659.5 | 699.5 | 716.0 | 751.0 | 726.0 | 751.0 | 779.0 | 829.0 | 861.0 | 921.0 | |
| kB | 593.0 | 612.0 | 652.0 | 658.0 | 693.0 | 729.5 | 769.5 | 794.5 | 829.5 | 799.0 | 824.0 | 883.5 | 933.5 | 977.0 | 1037.0 | |
| LB | 214.5 | 233.5 | 273.5 | 274.5 | 309.5 | 336.0 | 376.0 | 392.5 | 427.5 | 402.5 | 427.5 | 455.5 | 505.5 | 537.5 | 597.5 | |
| LBL | 269.5 | 288.5 | 328.5 | 334.5 | 369.5 | 406.0 | 446.0 | 471.0 | 506.0 | 475.5 | 500.5 | 560.0 | 610.0 | 653.5 | 713.5 | |

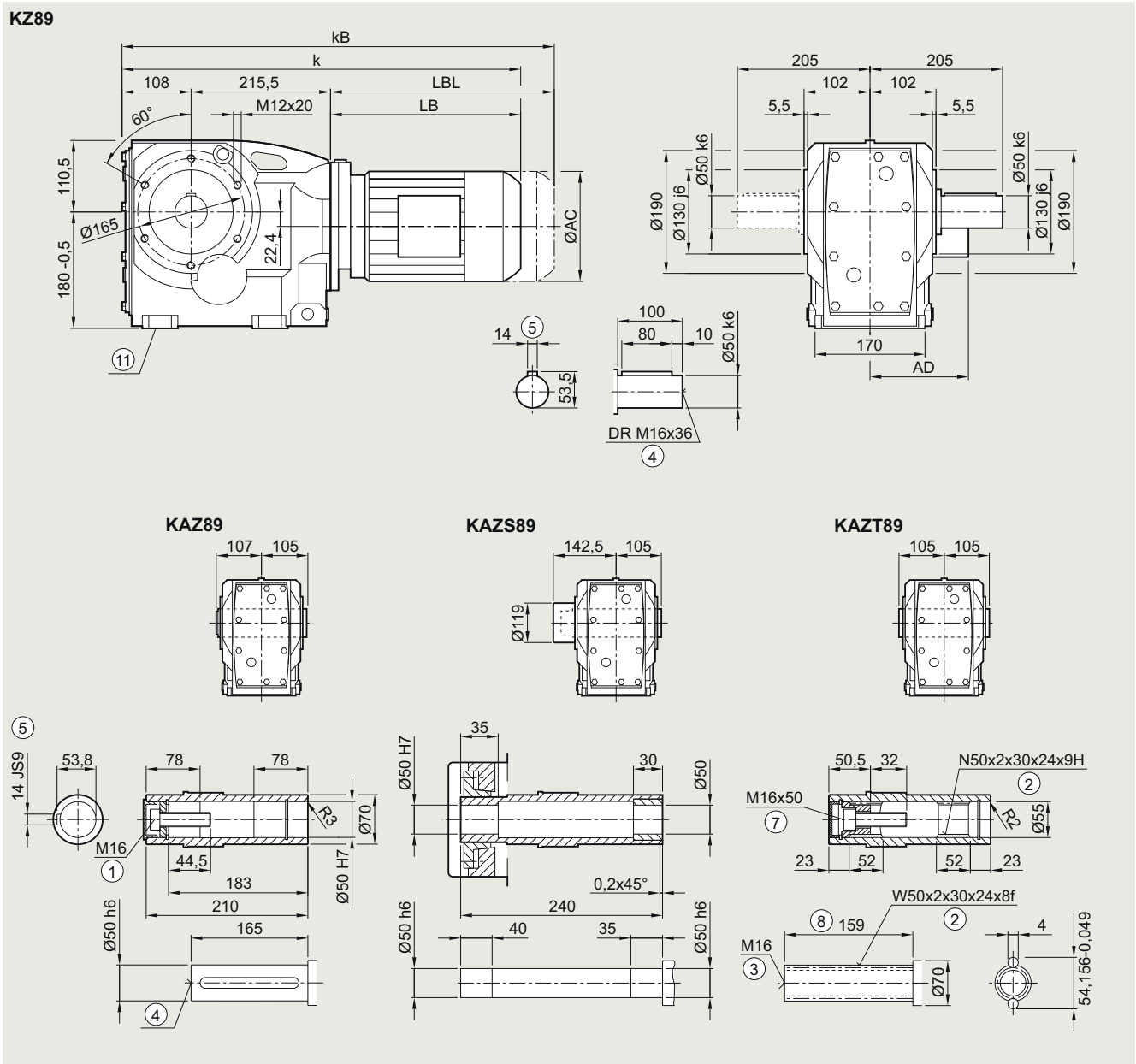
① ISO 4014 ④ DIN 332 ⑤ Feather key/keyway DIN 6885-1 ⑩ Use bores only for foot-mounted design

⑧ For inner contour, see page 5/136

¹⁾ AD depends on the motor options, for other dimensions, see page 9/46.

Gearbox K.Z.89 in a housing flange design

KZ030, KAZ030, KAZS030, KAZT030



5

| Motor | LE | | | | | | | | | | | | | | | |
|------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--|
| | 71 | 71Z | 71Y | 80 | 80Z | 90 | 90Z | 100 | 100Z | 112 | 112Z | 132 | 132Z | 160 | 160Z | |
| AC | 138.8 | 138.8 | 138.8 | 156.3 | 156.3 | 173.8 | 173.8 | 198.0 | 198.0 | 222.0 | 222.0 | 264.0 | 264.0 | 318.0 | 318.0 | |
| AD ¹⁾ | 134.0 | 134.0 | 134.0 | 149.2 | 149.2 | 154.2 | 154.2 | 170.5 | 170.5 | 181.5 | 181.5 | 207.0 | 207.0 | 241.0 | 241.0 | |
| k | 538.0 | 557.0 | 597.0 | 598.0 | 633.0 | 659.5 | 699.5 | 716.0 | 751.0 | 726.0 | 751.0 | 779.0 | 829.0 | 861.0 | 921.0 | |
| kB | 593.0 | 612.0 | 652.0 | 658.0 | 693.0 | 729.5 | 769.5 | 794.5 | 829.5 | 799.0 | 824.0 | 883.5 | 933.5 | 977.0 | 1037.0 | |
| LB | 214.5 | 233.5 | 273.5 | 274.5 | 309.5 | 336.0 | 376.0 | 392.5 | 427.5 | 402.5 | 427.5 | 455.5 | 505.5 | 537.5 | 597.5 | |
| LBL | 269.5 | 288.5 | 328.5 | 334.5 | 369.5 | 406.0 | 446.0 | 471.0 | 506.0 | 475.5 | 500.5 | 560.0 | 610.0 | 653.5 | 713.5 | |

① ISO 4014 ② DIN 5480 ③ DIN 332-D ④ DIN 332 ⑤ Feather key/keyway DIN 6885-1 ⑦ ISO 4762 ⑧ Without locating shoulder +1 mm
 ⑨ Use bores only for foot-mounted design
 1) AD depends on the motor options, for other dimensions, see page 9/46.

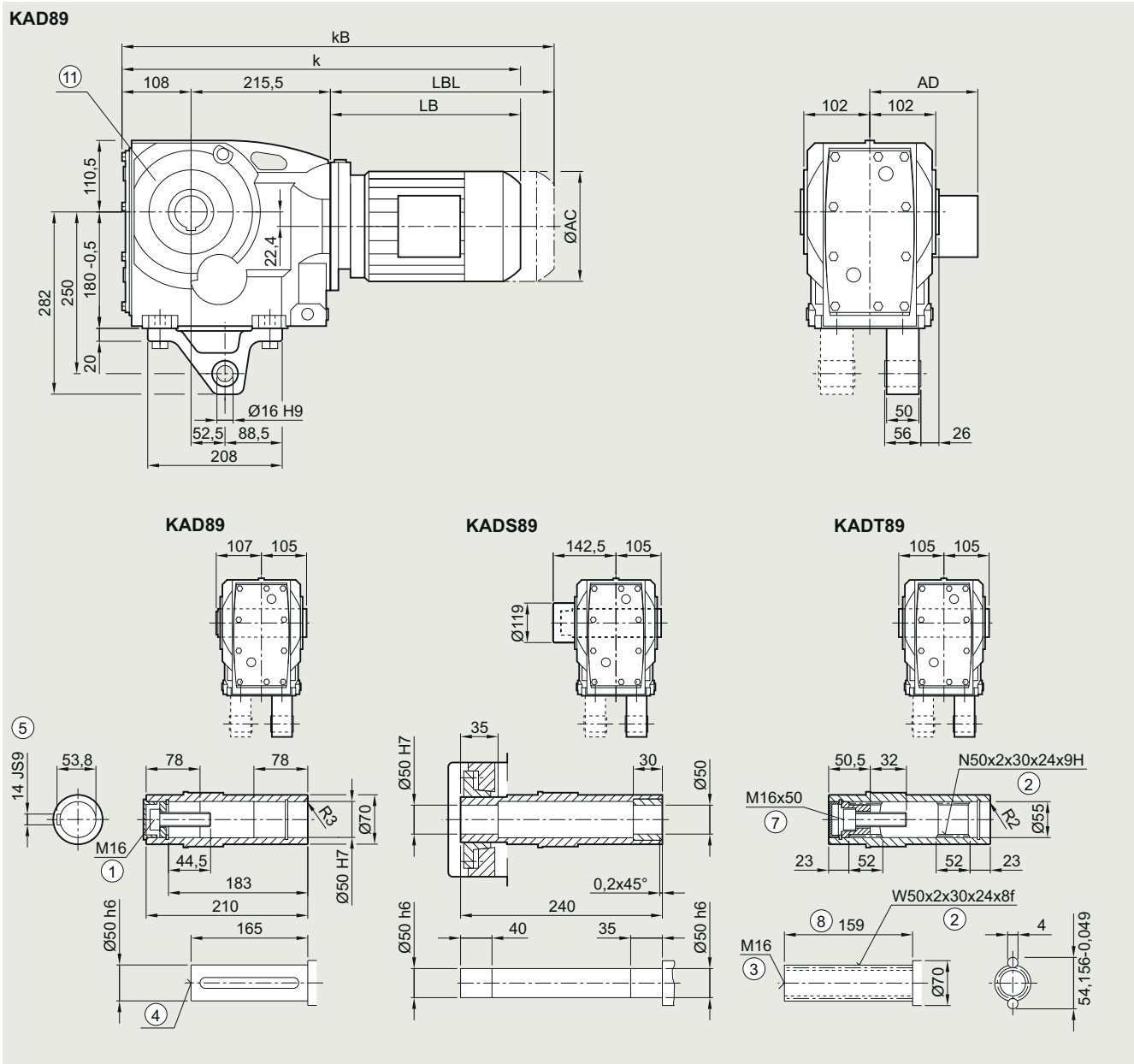
SIMOGEAR geared motors

Bevel geared motors

Dimensional drawings

Gearbox KAD.89 in a shaft-mounted design

KAD031, KADS031, KADT031

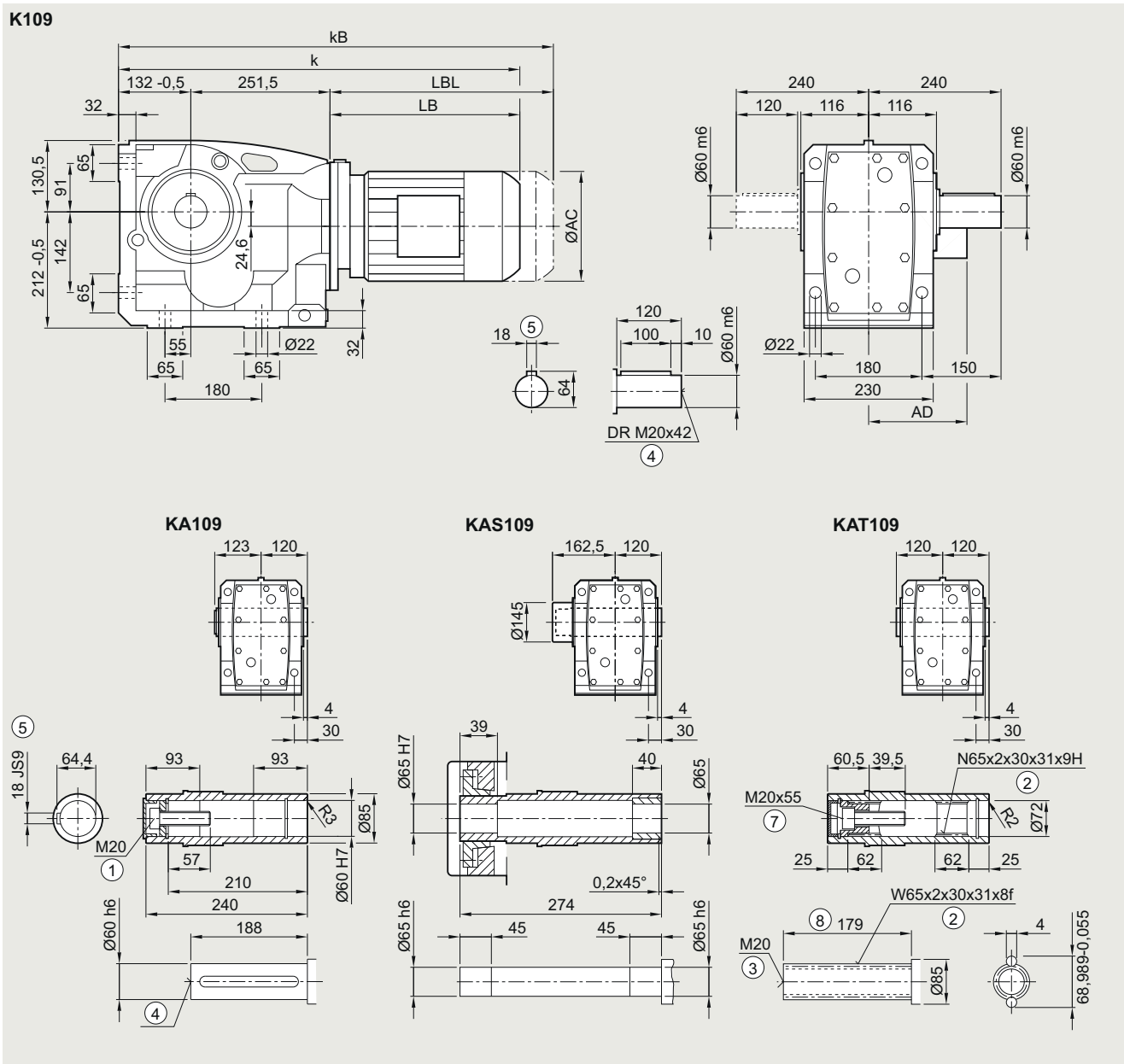


| Motor | LE | | | | | | | | | | | | | | | |
|------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--|
| | 71 | 71Z | 71Y | 80 | 80Z | 90 | 90Z | 100 | 100Z | 112 | 112Z | 132 | 132Z | 160 | 160Z | |
| AC | 138.8 | 138.8 | 138.8 | 156.3 | 156.3 | 173.8 | 173.8 | 198.0 | 198.0 | 222.0 | 222.0 | 264.0 | 264.0 | 318.0 | 318.0 | |
| AD ¹⁾ | 134.0 | 134.0 | 134.0 | 149.2 | 149.2 | 154.2 | 154.2 | 170.5 | 170.5 | 181.5 | 181.5 | 207.0 | 207.0 | 241.0 | 241.0 | |
| k | 538.0 | 557.0 | 597.0 | 598.0 | 633.0 | 659.5 | 699.5 | 716.0 | 751.0 | 726.0 | 751.0 | 779.0 | 829.0 | 861.0 | 921.0 | |
| kB | 593.0 | 612.0 | 652.0 | 658.0 | 693.0 | 729.5 | 769.5 | 794.5 | 829.5 | 799.0 | 824.0 | 883.5 | 933.5 | 977.0 | 1037.0 | |
| LB | 214.5 | 233.5 | 273.5 | 274.5 | 309.5 | 336.0 | 376.0 | 392.5 | 427.5 | 402.5 | 427.5 | 455.5 | 505.5 | 537.5 | 597.5 | |
| LBL | 269.5 | 288.5 | 328.5 | 334.5 | 369.5 | 406.0 | 446.0 | 471.0 | 506.0 | 475.5 | 500.5 | 560.0 | 610.0 | 653.5 | 713.5 | |

① ISO 4014 ② DIN 5480 ③ DIN 332-D ④ DIN 332 ⑤ Feather key/keyway DIN 6885-1 ⑦ ISO 4762 ⑧ Without locating shoulder +1 mm
 ⑨ Use bores only for housing flange design
 1) AD depends on the motor options, for other dimensions, see page 9/46.

Gearbox K..109 in a foot-mounted design

K030, KA030, KAS030, KAT030



| Motor | LE | | | | | | | | | | | | LES | |
|------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|
| | 80 | 80Z | 90 | 90Z | 100 | 100Z | 112 | 112Z | 132 | 132Z | 160 | 160Z | 180 | 180Z |
| AC | 156.3 | 156.3 | 173.8 | 173.8 | 198.0 | 198.0 | 222.0 | 222.0 | 264.0 | 264.0 | 318.0 | 318.0 | 352.5 | 352.5 |
| AD ¹⁾ | 149.2 | 149.2 | 154.2 | 154.2 | 170.5 | 170.5 | 181.5 | 181.5 | 207.0 | 207.0 | 241.0 | 241.0 | 292.0 | 292.0 |
| k | 645.0 | 680.0 | 706.5 | 746.5 | 759.0 | 794.0 | 769.0 | 794.0 | 822.0 | 872.0 | 904.0 | 964.0 | 977.0 | 1007.0 |
| kB | 705.0 | 740.0 | 776.5 | 816.5 | 837.5 | 872.5 | 842.0 | 867.0 | 926.5 | 976.5 | 1020.0 | 1080.0 | 1106.0 | 1136.0 |
| LB | 261.5 | 296.5 | 323.0 | 363.0 | 375.5 | 410.5 | 385.5 | 410.5 | 438.5 | 488.5 | 520.5 | 580.5 | 593.5 | 623.5 |
| LBL | 321.5 | 356.5 | 393.0 | 433.0 | 454.0 | 489.0 | 458.5 | 483.5 | 543.0 | 593.0 | 636.5 | 696.5 | 722.5 | 752.5 |

① ISO 4014 ② DIN 5480 ③ DIN 332-D ④ DIN 332 ⑤ Feather key/keyway DIN 6885-1 ⑦ ISO 4762 ⑧ Without locating shoulder +1 mm

¹⁾ AD depends on the motor options, for other dimensions, see page 9/46.

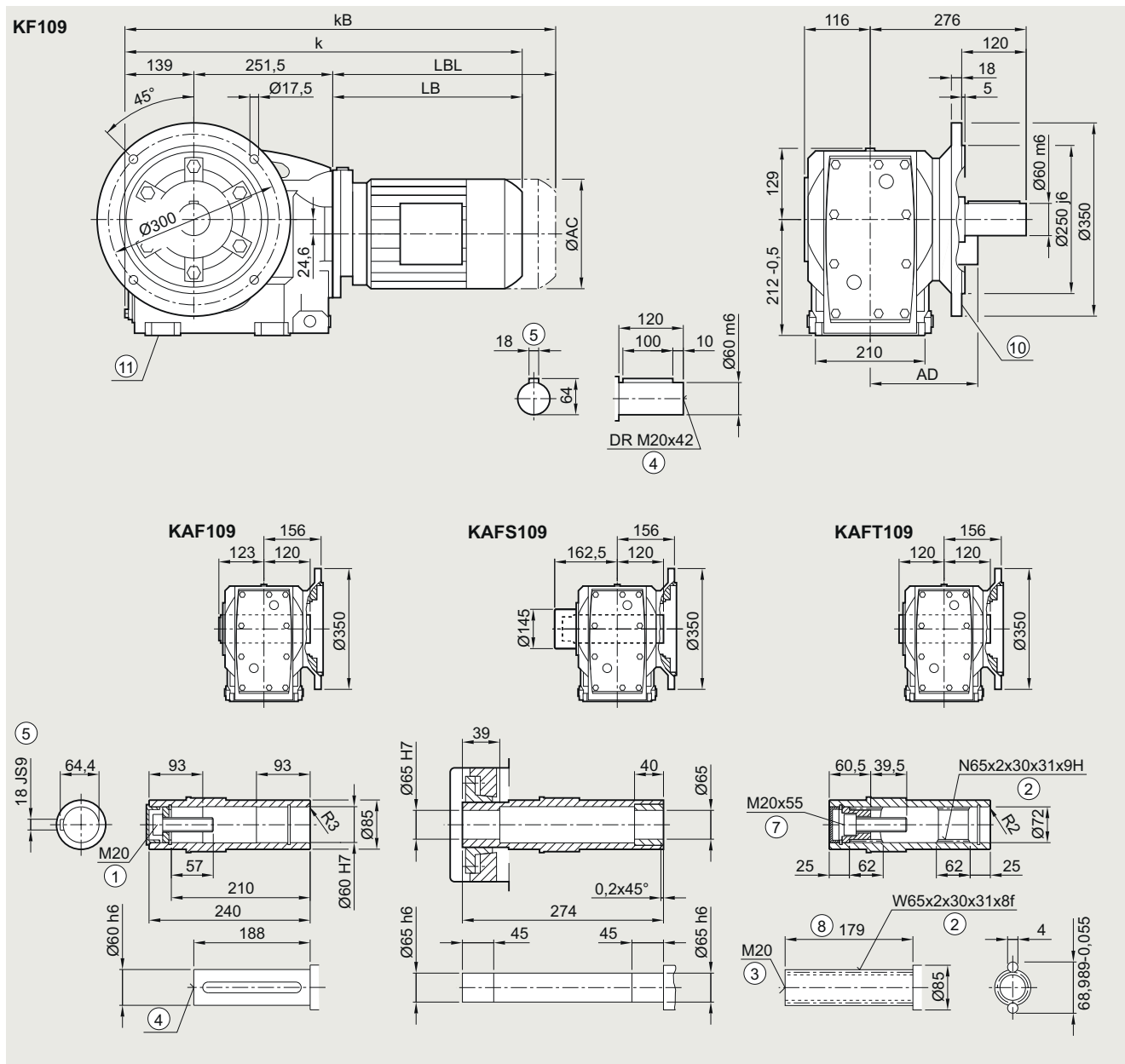
SIMOGEAR geared motors

Bevel geared motors

Dimensional drawings

Gearbox K.F.109 in a flange-mounted design

KF030, KAF030, KAFS030, KAFT030

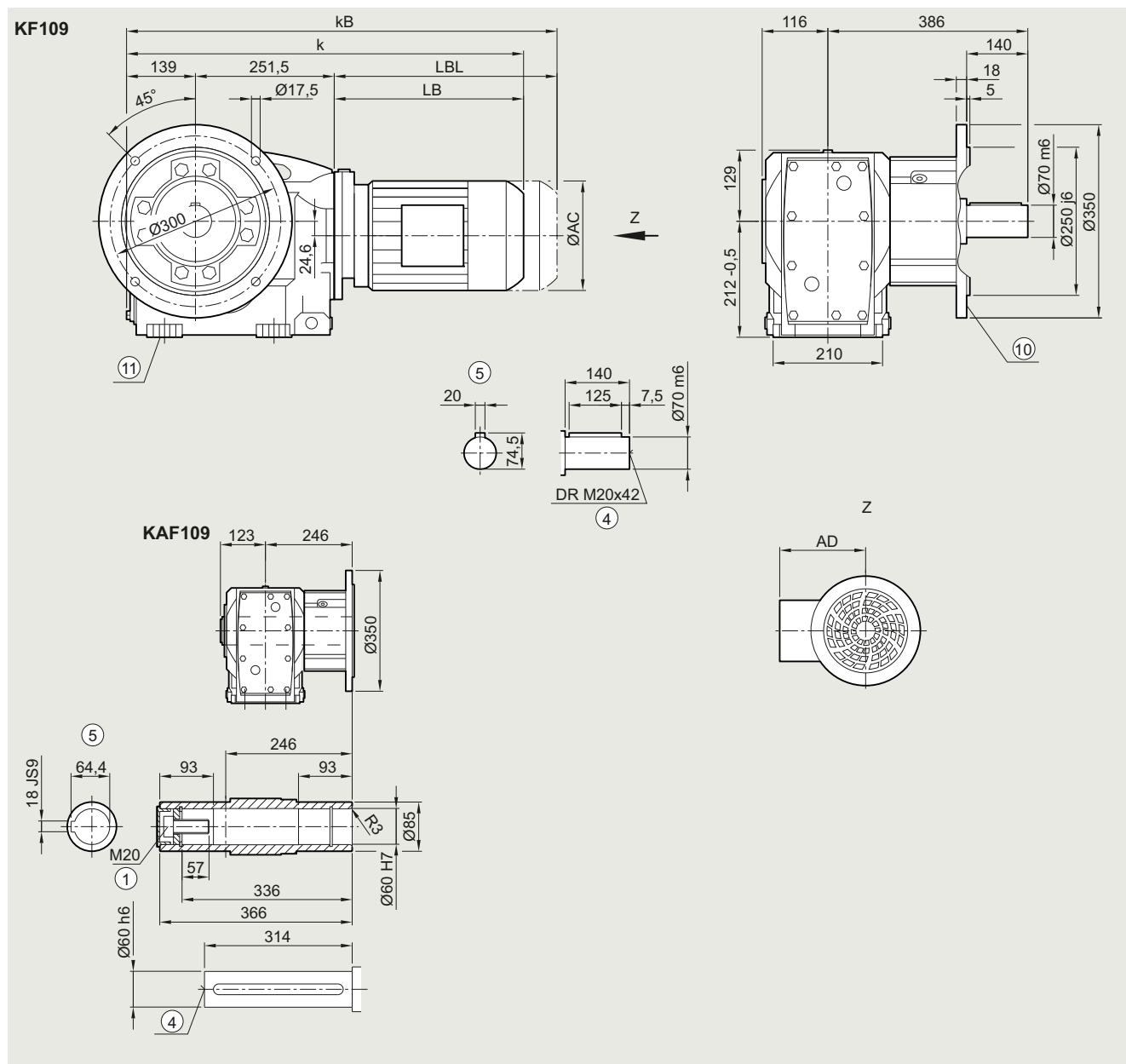


| Motor | LE | | | | | | | | | | | | LES | |
|------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|
| | 80 | 80Z | 90 | 90Z | 100 | 100Z | 112 | 112Z | 132 | 132Z | 160 | 160Z | 180 | 180Z |
| AC | 156.3 | 156.3 | 173.8 | 173.8 | 198.0 | 198.0 | 222.0 | 222.0 | 264.0 | 264.0 | 318.0 | 318.0 | 352.5 | 352.5 |
| AD ¹⁾ | 149.2 | 149.2 | 154.2 | 154.2 | 170.5 | 170.5 | 181.5 | 181.5 | 207.0 | 207.0 | 241.0 | 241.0 | 292.0 | 292.0 |
| k | 652.0 | 687.0 | 713.5 | 753.5 | 766.0 | 801.0 | 776.0 | 801.0 | 829.0 | 879.0 | 911.0 | 971.0 | 984.0 | 1014.0 |
| kB | 712.0 | 747.0 | 783.5 | 823.5 | 844.5 | 879.5 | 849.0 | 874.0 | 933.5 | 983.5 | 1027.0 | 1087.0 | 1113.0 | 1143.0 |
| LB | 261.5 | 296.5 | 323.0 | 363.0 | 375.5 | 410.5 | 385.5 | 410.5 | 438.5 | 488.5 | 520.5 | 580.5 | 593.5 | 623.5 |
| LBL | 321.5 | 356.5 | 393.0 | 433.0 | 454.0 | 489.0 | 458.5 | 483.5 | 543.0 | 593.0 | 636.5 | 696.5 | 722.5 | 752.5 |

① ISO 4014 ② DIN 5480 ③ DIN 332-D ④ DIN 332 ⑤ Feather key/keyway DIN 6885-1 ⑦ ISO 4762 ⑧ Without locating shoulder +1 mm

⑨ For inner contour, see page 5/136 ⑩ Use bores only for foot-mounted design

¹⁾ AD depends on the motor options, for other dimensions, see page 9/46.

Gearbox K.F.109 in a flange-mounted design with VLplus reinforced bearing system (G30)
KF040, KAF040


| Motor | LE 80 | 80Z | 90 | 90Z | 100 | 100Z | 112 | 112Z | 132 | 132Z | 160 | 160Z | LES 180 | 180Z |
|------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|---------|--------|
| AC | 156.3 | 156.3 | 173.8 | 173.8 | 198.0 | 198.0 | 222.0 | 222.0 | 264.0 | 264.0 | 318.0 | 318.0 | 352.5 | 352.5 |
| AD ¹⁾ | 149.2 | 149.2 | 154.2 | 154.2 | 170.5 | 170.5 | 181.5 | 181.5 | 207.0 | 207.0 | 241.0 | 241.0 | 292.0 | 292.0 |
| k | 652.0 | 687.0 | 713.5 | 753.5 | 766.0 | 801.0 | 776.0 | 801.0 | 829.0 | 879.0 | 911.0 | 971.0 | 984.0 | 1014.0 |
| kB | 712.0 | 747.0 | 783.5 | 823.5 | 844.5 | 879.5 | 849.0 | 874.0 | 933.5 | 983.5 | 1027.0 | 1087.0 | 1113.0 | 1143.0 |
| LB | 261.5 | 296.5 | 323.0 | 363.0 | 375.5 | 410.5 | 385.5 | 410.5 | 438.5 | 488.5 | 520.5 | 580.5 | 593.5 | 623.5 |
| LBL | 321.5 | 356.5 | 393.0 | 433.0 | 454.0 | 489.0 | 458.5 | 483.5 | 543.0 | 593.0 | 636.5 | 696.5 | 722.5 | 752.5 |

① ISO 4014 ④ DIN 332 ⑤ Feather key/keyway DIN 6885-1 ⑩ Use bores only for foot-mounted design

⑧ For inner contour, see page 5/136

1) AD depends on the motor options, for other dimensions, see page 9/46.

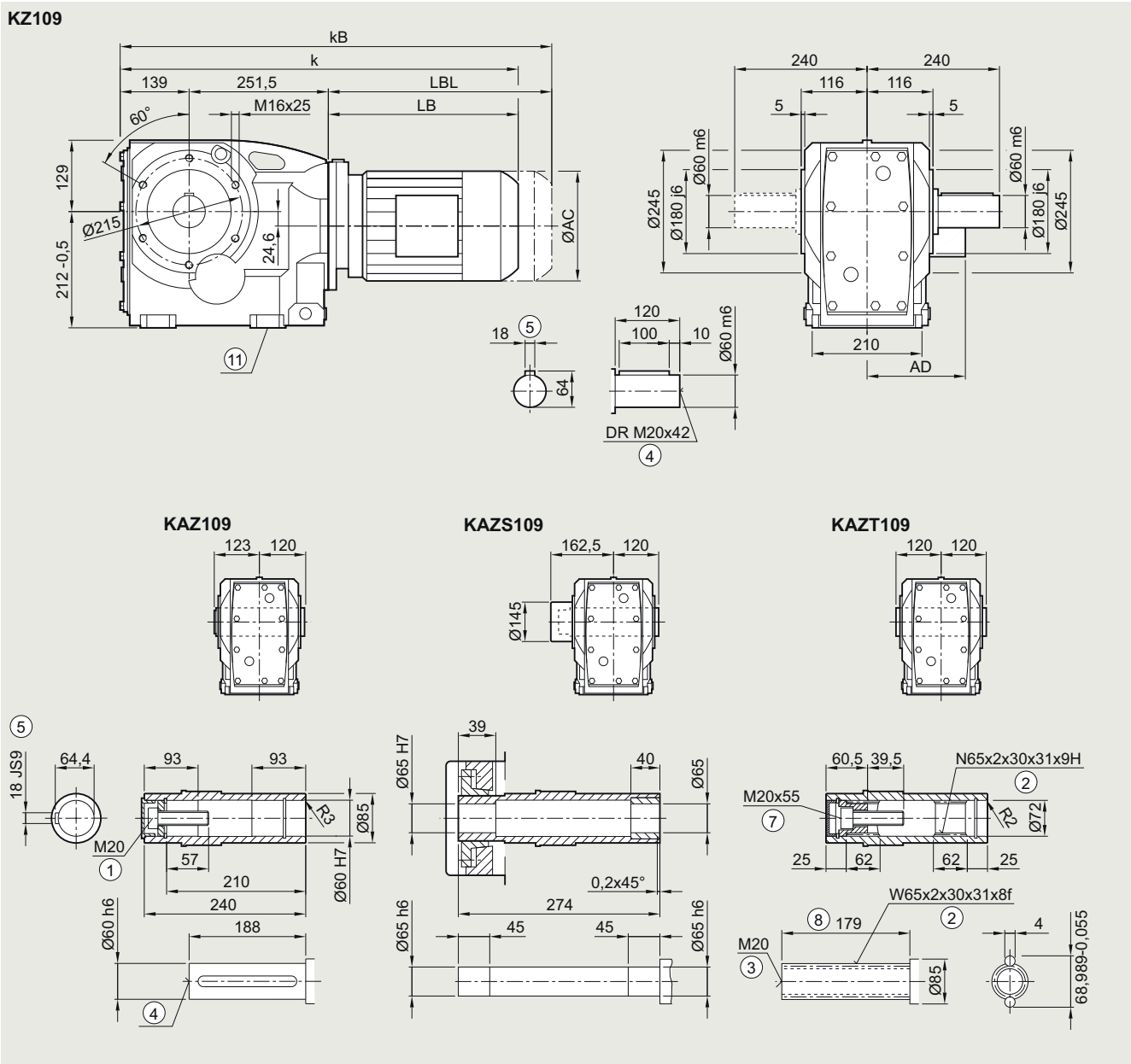
SIMOGEAR geared motors

Bevel geared motors

Dimensional drawings

Gearbox K.Z.109 in a housing flange design

KZ030, KAZ030, KAZS030, KAZT030



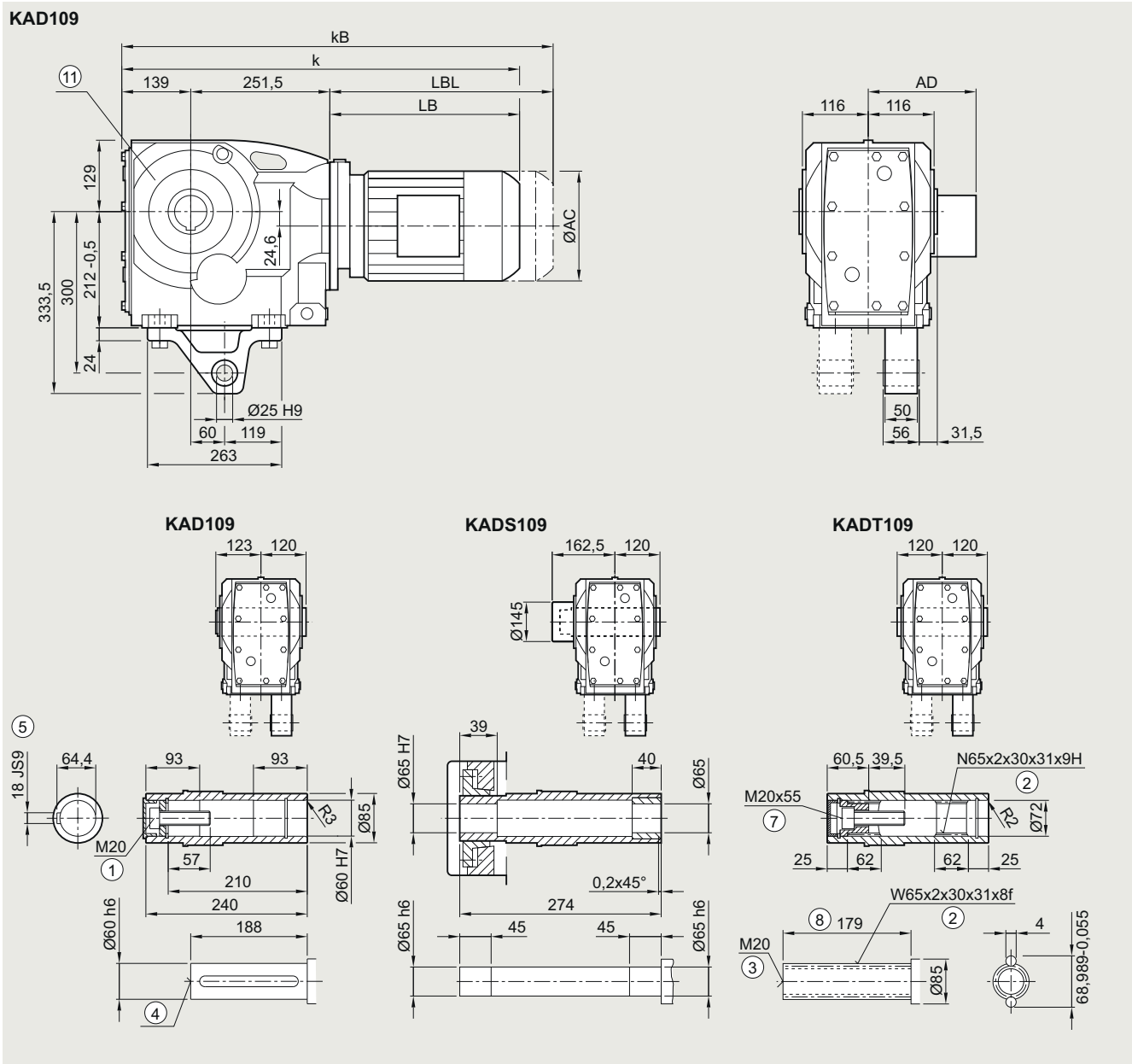
| Motor | LE | | | | | | | | | | | | LES | |
|------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|
| | 80 | 80Z | 90 | 90Z | 100 | 100Z | 112 | 112Z | 132 | 132Z | 160 | 160Z | 180 | 180Z |
| AC | 156.3 | 156.3 | 173.8 | 173.8 | 198.0 | 198.0 | 222.0 | 222.0 | 264.0 | 264.0 | 318.0 | 318.0 | 352.5 | 352.5 |
| AD ¹⁾ | 149.2 | 149.2 | 154.2 | 154.2 | 170.5 | 170.5 | 181.5 | 181.5 | 207.0 | 207.0 | 241.0 | 241.0 | 292.0 | 292.0 |
| k | 652.0 | 687.0 | 713.5 | 753.5 | 766.0 | 801.0 | 776.0 | 801.0 | 829.0 | 879.0 | 911.0 | 971.0 | 984.0 | 1014.0 |
| kB | 712.0 | 747.0 | 783.5 | 823.5 | 844.5 | 879.5 | 849.0 | 874.0 | 933.5 | 983.5 | 1027.0 | 1087.0 | 1113.0 | 1143.0 |
| LB | 261.5 | 296.5 | 323.0 | 363.0 | 375.5 | 410.5 | 385.5 | 410.5 | 438.5 | 488.5 | 520.5 | 580.5 | 593.5 | 623.5 |
| LBL | 321.5 | 356.5 | 393.0 | 433.0 | 454.0 | 489.0 | 458.5 | 483.5 | 543.0 | 593.0 | 636.5 | 696.5 | 722.5 | 752.5 |

① ISO 4014 ② DIN 5480 ③ DIN 332-D ④ DIN 332 ⑤ Feather key/keyway DIN 6885-1 ⑦ ISO 4762 ⑧ Without locating shoulder +1 mm
 ⑨ Use bores only for foot-mounted design 1) AD depends on the motor options, for other dimensions, see page 9/46.

5

Gearbox KAD.109 in a shaft-mounted design

KAD030, KADS030, KADT030



| Motor | LE | | | | | | | | | | | | LES | |
|------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|
| | 80 | 80Z | 90 | 90Z | 100 | 100Z | 112 | 112Z | 132 | 132Z | 160 | 160Z | 180 | 180Z |
| AC | 156.3 | 156.3 | 173.8 | 173.8 | 198.0 | 198.0 | 222.0 | 222.0 | 264.0 | 264.0 | 318.0 | 318.0 | 352.5 | 352.5 |
| AD ¹⁾ | 149.2 | 149.2 | 154.2 | 154.2 | 170.5 | 170.5 | 181.5 | 181.5 | 207.0 | 207.0 | 241.0 | 241.0 | 292.0 | 292.0 |
| k | 652.0 | 687.0 | 713.5 | 753.5 | 766.0 | 801.0 | 776.0 | 801.0 | 829.0 | 879.0 | 911.0 | 971.0 | 984.0 | 1014.0 |
| kB | 712.0 | 747.0 | 783.5 | 823.5 | 844.5 | 879.5 | 849.0 | 874.0 | 933.5 | 983.5 | 1027.0 | 1087.0 | 1113.0 | 1143.0 |
| LB | 261.5 | 296.5 | 323.0 | 363.0 | 375.5 | 410.5 | 385.5 | 410.5 | 438.5 | 488.5 | 520.5 | 580.5 | 593.5 | 623.5 |
| LBL | 321.5 | 356.5 | 393.0 | 433.0 | 454.0 | 489.0 | 458.5 | 483.5 | 543.0 | 593.0 | 636.5 | 696.5 | 722.5 | 752.5 |

① ISO 4014 ② DIN 5480 ③ DIN 332-D ④ DIN 332 ⑤ Feather key/keyway DIN 6885-1 ⑦ ISO 4762 ⑧ Without locating shoulder +1 mm
 ⑨ Use bores only for housing flange design ⑩ AD depends on the motor options, for other dimensions, see page 9/46.

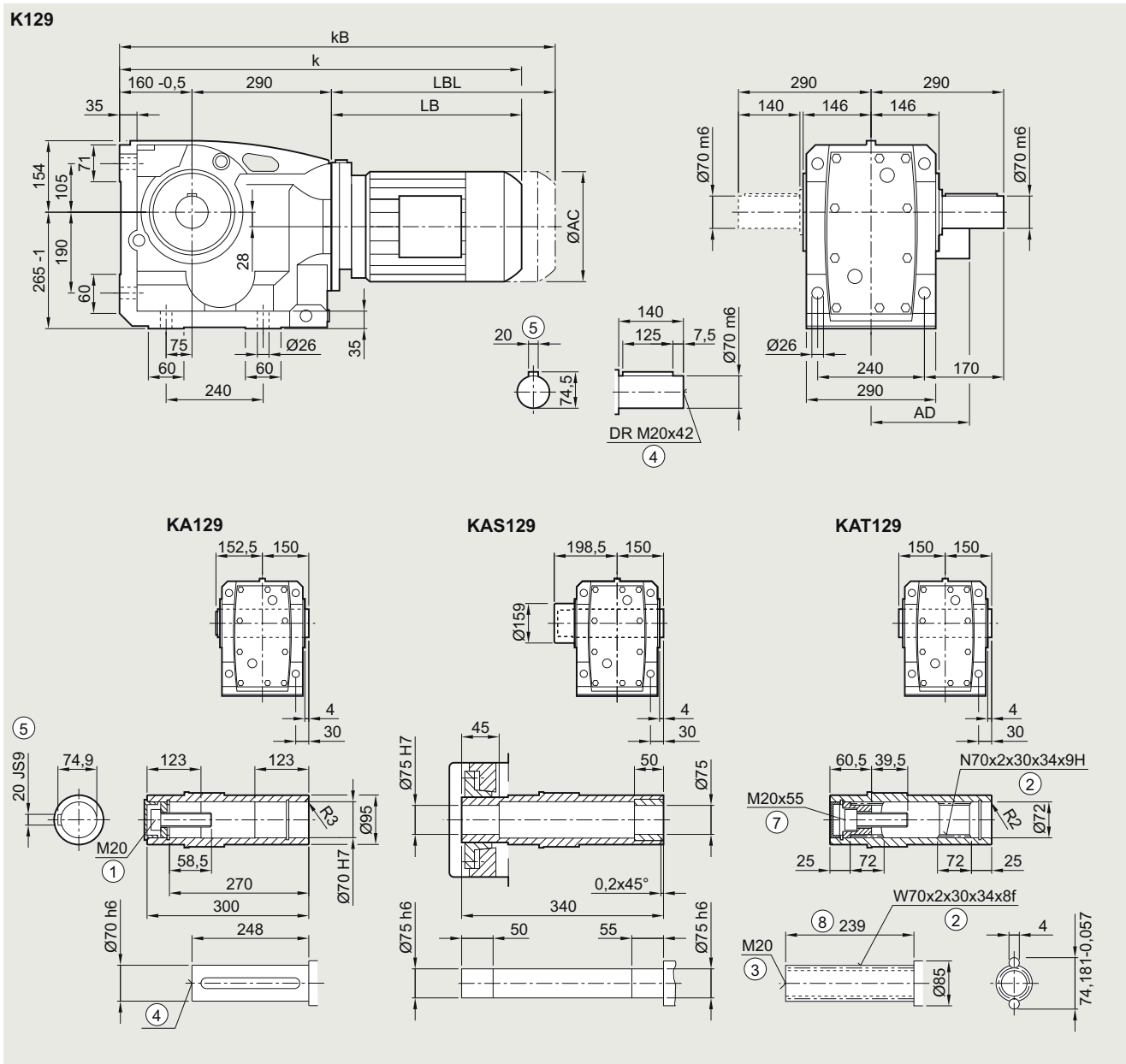
SIMOGEAR geared motors

Bevel geared motors

Dimensional drawings

Gearbox K..129 in a foot-mounted design

K030, KA030, KAS030, KAT030



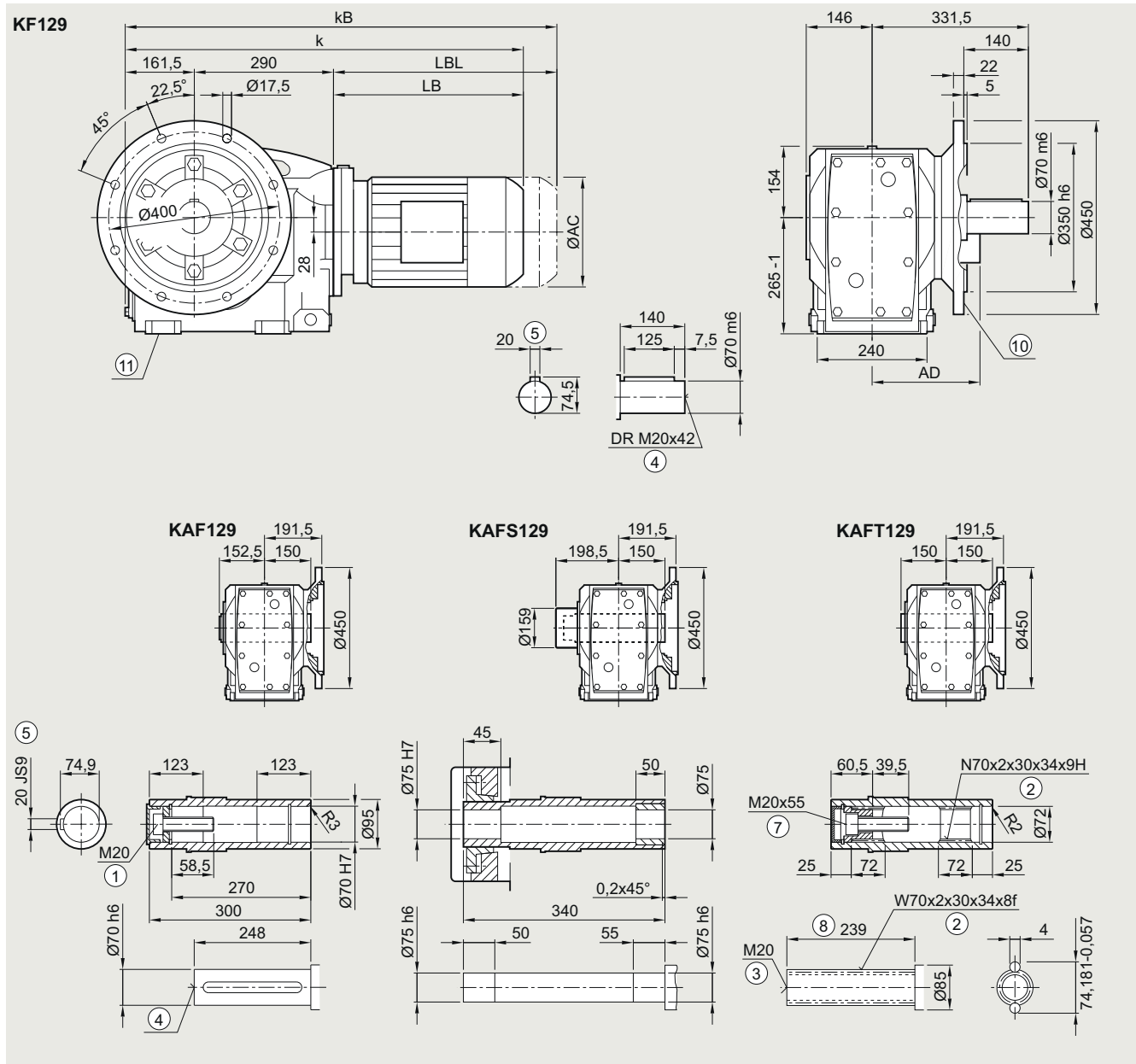
| Motor | LE | | | | | | | | | | LES | | | | | |
|------------------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 90 | 90Z | 100 | 100Z | 112 | 112Z | 132 | 132Z | 160 | 160Z | 180 | 180Z | 200 | 200Z | 225 | 225Y |
| AC | 173.8 | 173.8 | 198.0 | 198.0 | 222.0 | 222.0 | 264.0 | 264.0 | 318.0 | 318.0 | 352.5 | 352.5 | 392.5 | 392.5 | 439.0 | 439.0 |
| AD ¹⁾ | 154.2 | 154.2 | 170.5 | 170.5 | 181.5 | 181.5 | 207.0 | 207.0 | 241.0 | 241.0 | 292.0 | 292.0 | 315.0 | 315.0 | 382.0 | 382.0 |
| k | 766.0 | 806.0 | 816.5 | 851.5 | 826.5 | 851.5 | 879.5 | 929.5 | 961.5 | 1021.5 | 1034.5 | 1064.5 | 1102.5 | 1127.5 | 1148.0 | 1208.0 |
| kB | 836.0 | 876.0 | 895.0 | 930.0 | 899.5 | 924.5 | 984.0 | 1034.0 | 1077.5 | 1137.5 | 1163.5 | 1193.5 | 1249.5 | 1274.5 | 1376.0 | 1436.0 |
| LB | 316.0 | 356.0 | 366.5 | 401.5 | 376.5 | 401.5 | 429.5 | 479.5 | 511.5 | 571.5 | 584.5 | 614.5 | 652.5 | 677.5 | 698.0 | 758.0 |
| LBL | 386.0 | 426.0 | 445.0 | 480.0 | 449.5 | 474.5 | 534.0 | 584.0 | 627.5 | 687.5 | 713.5 | 743.5 | 799.5 | 824.5 | 926.0 | 986.0 |

① ISO 4014 ② DIN 5480 ③ DIN 332-D ④ DIN 332 ⑤ Feather key/keyway DIN 6885-1 ⑦ ISO 4762 ⑧ Without locating shoulder +1 mm

¹⁾ AD depends on the motor options, for other dimensions, see page 9/46.

Gearbox K.F.129 in a flange-mounted design

KF030, KAF030, KAFS030, KAFT030



| Motor | LE | | | | | | | | | | LES | | | | | |
|------------------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 90 | 90Z | 100 | 100Z | 112 | 112Z | 132 | 132Z | 160 | 160Z | 180 | 180Z | 200 | 200Z | 225 | 225Y |
| AC | 173.8 | 173.8 | 198.0 | 198.0 | 222.0 | 222.0 | 264.0 | 264.0 | 318.0 | 318.0 | 352.5 | 352.5 | 392.5 | 392.5 | 439.0 | 439.0 |
| AD ¹⁾ | 154.2 | 154.2 | 170.5 | 170.5 | 181.5 | 181.5 | 207.0 | 207.0 | 241.0 | 241.0 | 292.0 | 292.0 | 315.0 | 315.0 | 382.0 | 382.0 |
| k | 767.5 | 807.5 | 818.0 | 853.0 | 828.0 | 853.0 | 881.0 | 931.0 | 963.0 | 1023.0 | 1036.0 | 1066.0 | 1104.0 | 1129.0 | 1149.5 | 1209.5 |
| kB | 837.5 | 877.5 | 896.5 | 931.5 | 901.0 | 926.0 | 985.5 | 1035.5 | 1079.0 | 1139.0 | 1165.0 | 1195.0 | 1251.0 | 1276.0 | 1377.5 | 1437.5 |
| LB | 316.0 | 356.0 | 366.5 | 401.5 | 376.5 | 401.5 | 429.5 | 479.5 | 511.5 | 571.5 | 584.5 | 614.5 | 652.5 | 677.5 | 698.0 | 758.0 |
| LBL | 386.0 | 426.0 | 445.0 | 480.0 | 449.5 | 474.5 | 534.0 | 584.0 | 627.5 | 687.5 | 713.5 | 743.5 | 799.5 | 824.5 | 926.0 | 986.0 |

① ISO 4014 ② DIN 5480 ③ DIN 332-D ④ DIN 332 ⑤ Feather key/keyway DIN 6885-1 ⑦ ISO 4762 ⑧ Without locating shoulder +1 mm
 ⑨ For inner contour, see page 5/136 ⑩ Use bores only for foot-mounted design
 1) AD depends on the motor options, for other dimensions, see page 9/46.

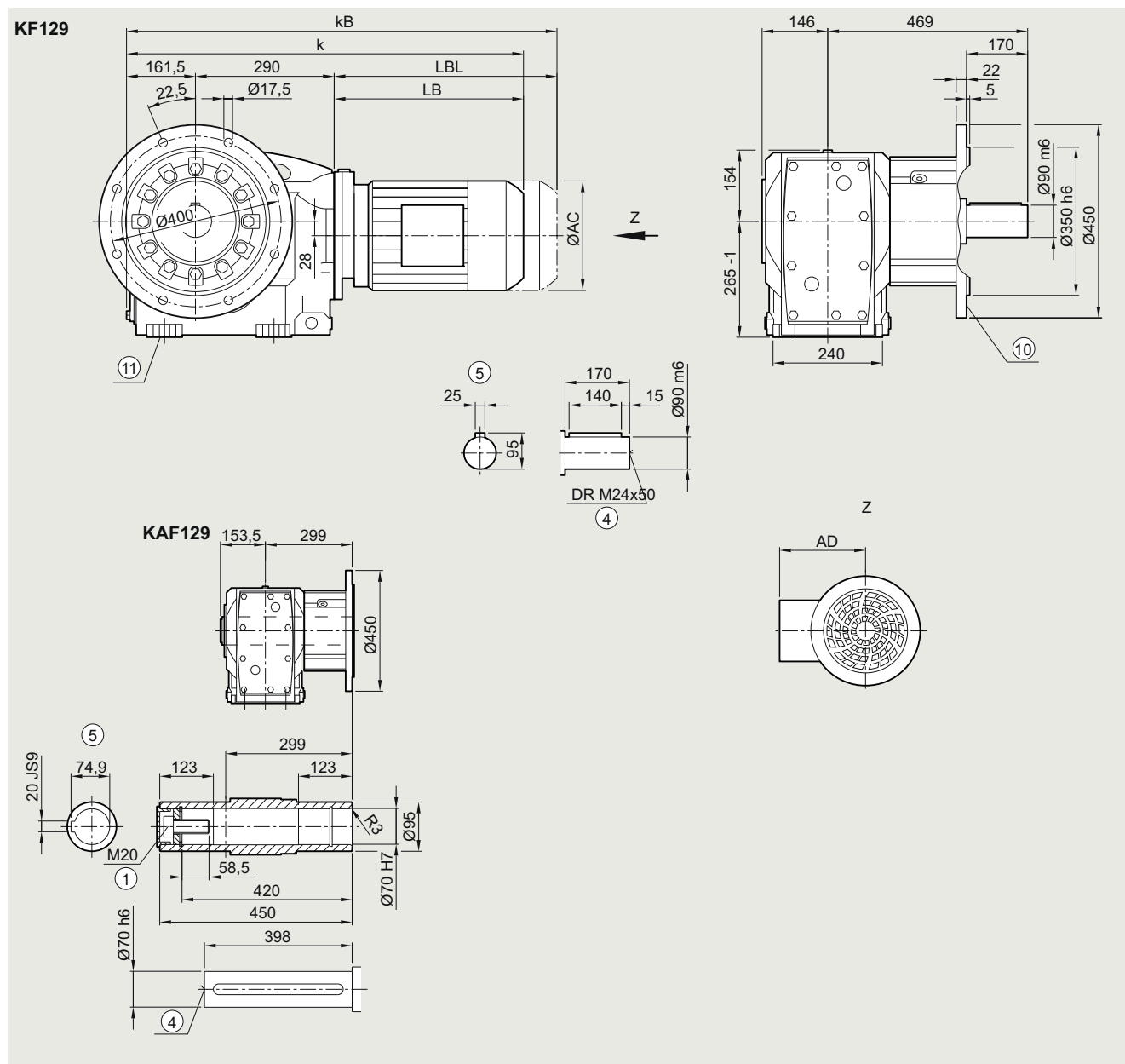
SIMOGEAR geared motors

Bevel geared motors

Dimensional drawings

Gearbox K.F.129 in a flange-mounted design with VLplus reinforced bearing system (G30)

KF040, KAF040

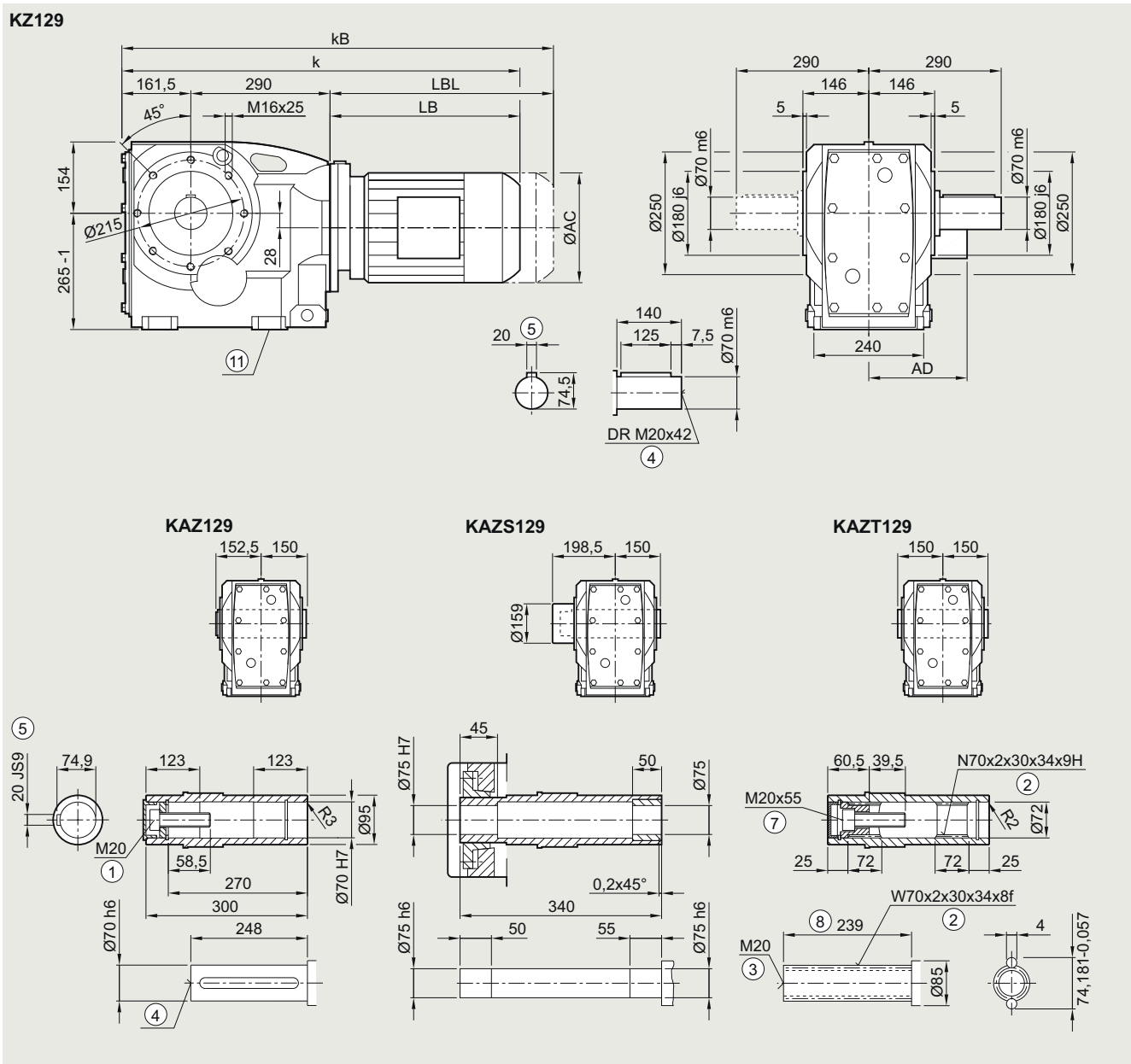


| Motor | LE | | | | | | | | | | LES | | | | | |
|------------------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 90 | 90Z | 100 | 100Z | 112 | 112Z | 132 | 132Z | 160 | 160Z | 180 | 180Z | 200 | 200Z | 225 | 225Y |
| AC | 173.8 | 173.8 | 198.0 | 198.0 | 222.0 | 222.0 | 264.0 | 264.0 | 318.0 | 318.0 | 352.5 | 352.5 | 392.5 | 392.5 | 439.0 | 439.0 |
| AD ¹⁾ | 154.2 | 154.2 | 170.5 | 170.5 | 181.5 | 181.5 | 207.0 | 207.0 | 241.0 | 241.0 | 292.0 | 292.0 | 315.0 | 315.0 | 382.0 | 382.0 |
| k | 767.5 | 807.5 | 818.0 | 853.0 | 828.0 | 853.0 | 881.0 | 931.0 | 963.0 | 1023.0 | 1036.0 | 1066.0 | 1104.0 | 1129.0 | 1149.5 | 1209.5 |
| kB | 837.5 | 877.5 | 896.5 | 931.5 | 901.0 | 926.0 | 985.5 | 1035.5 | 1079.0 | 1139.0 | 1165.0 | 1195.0 | 1251.0 | 1276.0 | 1377.5 | 1437.5 |
| LB | 316.0 | 356.0 | 366.5 | 401.5 | 376.5 | 401.5 | 429.5 | 479.5 | 511.5 | 571.5 | 584.5 | 614.5 | 652.5 | 677.5 | 698.0 | 758.0 |
| LBL | 386.0 | 426.0 | 445.0 | 480.0 | 449.5 | 474.5 | 534.0 | 584.0 | 627.5 | 687.5 | 713.5 | 743.5 | 799.5 | 824.5 | 926.0 | 986.0 |

① ISO 4014 ④ DIN 332 ⑤ Feather key/keyway DIN 6885-1 ⑩ Use bores only for foot-mounted design

⑧ For inner contour, see page 5/136

¹⁾ AD depends on the motor options, for other dimensions, see page 9/46.

Gearbox K.Z.129 in a housing flange design
KZ030, KAZ030, KAZS030, KAZT030


| Motor | LE | | | | | | | | | | LES | | | | | |
|------------------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 90 | 90Z | 100 | 100Z | 112 | 112Z | 132 | 132Z | 160 | 160Z | 180 | 180Z | 200 | 200Z | 225 | 225Y |
| AC | 173.8 | 173.8 | 198.0 | 198.0 | 222.0 | 222.0 | 264.0 | 264.0 | 318.0 | 318.0 | 352.5 | 352.5 | 392.5 | 392.5 | 439.0 | 439.0 |
| AD ¹⁾ | 154.2 | 154.2 | 170.5 | 170.5 | 181.5 | 181.5 | 207.0 | 207.0 | 241.0 | 241.0 | 292.0 | 292.0 | 315.0 | 315.0 | 382.0 | 382.0 |
| k | 767.5 | 807.5 | 818.0 | 853.0 | 828.0 | 853.0 | 881.0 | 931.0 | 963.0 | 1023.0 | 1036.0 | 1066.0 | 1104.0 | 1129.0 | 1149.5 | 1209.5 |
| kB | 837.5 | 877.5 | 896.5 | 931.5 | 901.0 | 926.0 | 985.5 | 1035.5 | 1079.0 | 1139.0 | 1165.0 | 1195.0 | 1251.0 | 1276.0 | 1377.5 | 1437.5 |
| LB | 316.0 | 356.0 | 366.5 | 401.5 | 376.5 | 401.5 | 429.5 | 479.5 | 511.5 | 571.5 | 584.5 | 614.5 | 652.5 | 677.5 | 698.0 | 758.0 |
| LBL | 386.0 | 426.0 | 445.0 | 480.0 | 449.5 | 474.5 | 534.0 | 584.0 | 627.5 | 687.5 | 713.5 | 743.5 | 799.5 | 824.5 | 926.0 | 986.0 |

① ISO 4014 ② DIN 5480 ③ DIN 332-D ④ DIN 332 ⑤ Feather key/keyway DIN 6885-1 ⑦ ISO 4762 ⑧ Without locating shoulder +1 mm
 ⑨ Use bores only for foot-mounted design ①) AD depends on the motor options, for other dimensions, see page 9/46.

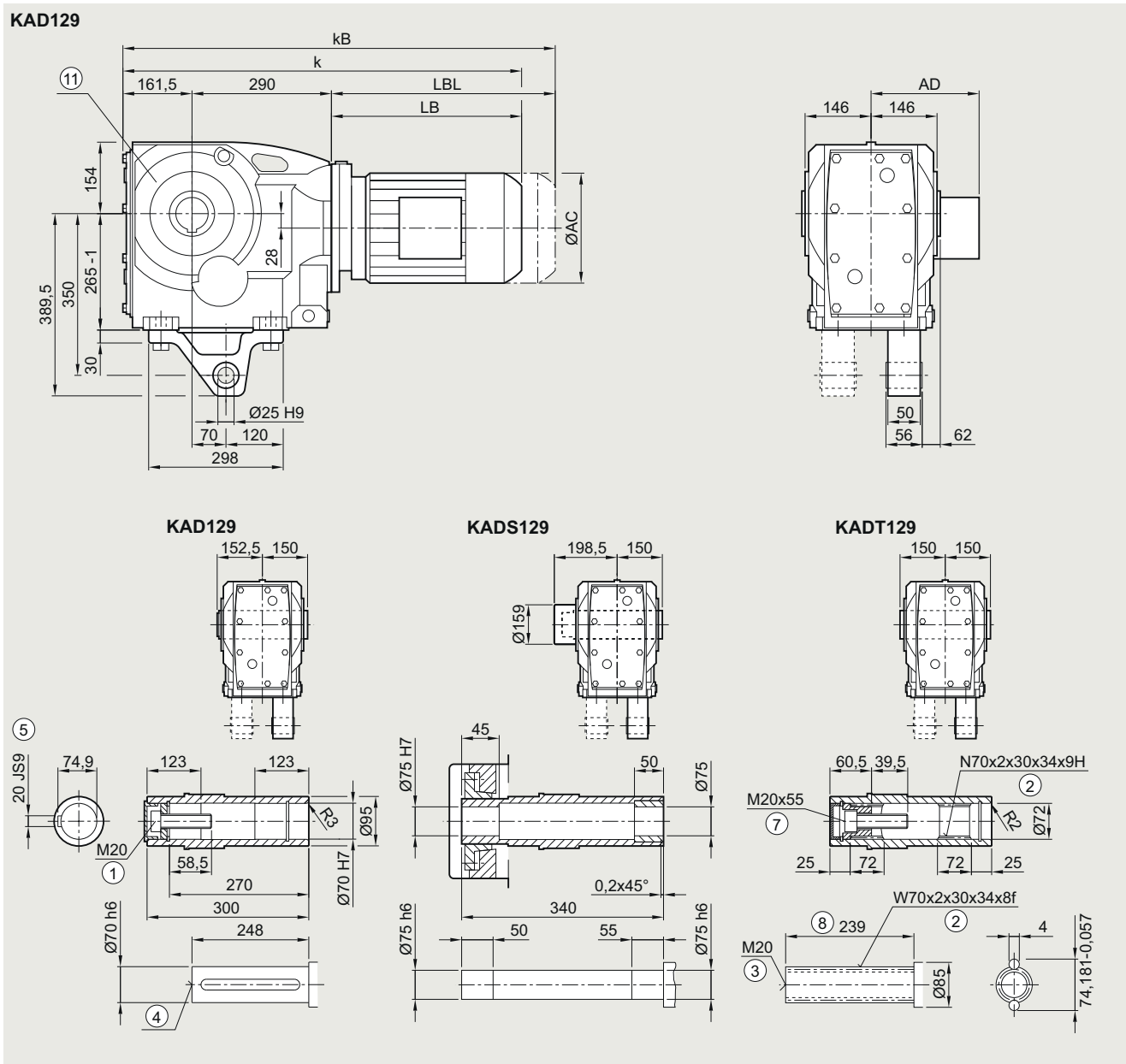
SIMOGEAR geared motors

Bevel geared motors

Dimensional drawings

Gearbox KAD.129 in a shaft-mounted design

KAD030, KADS030, KADT030

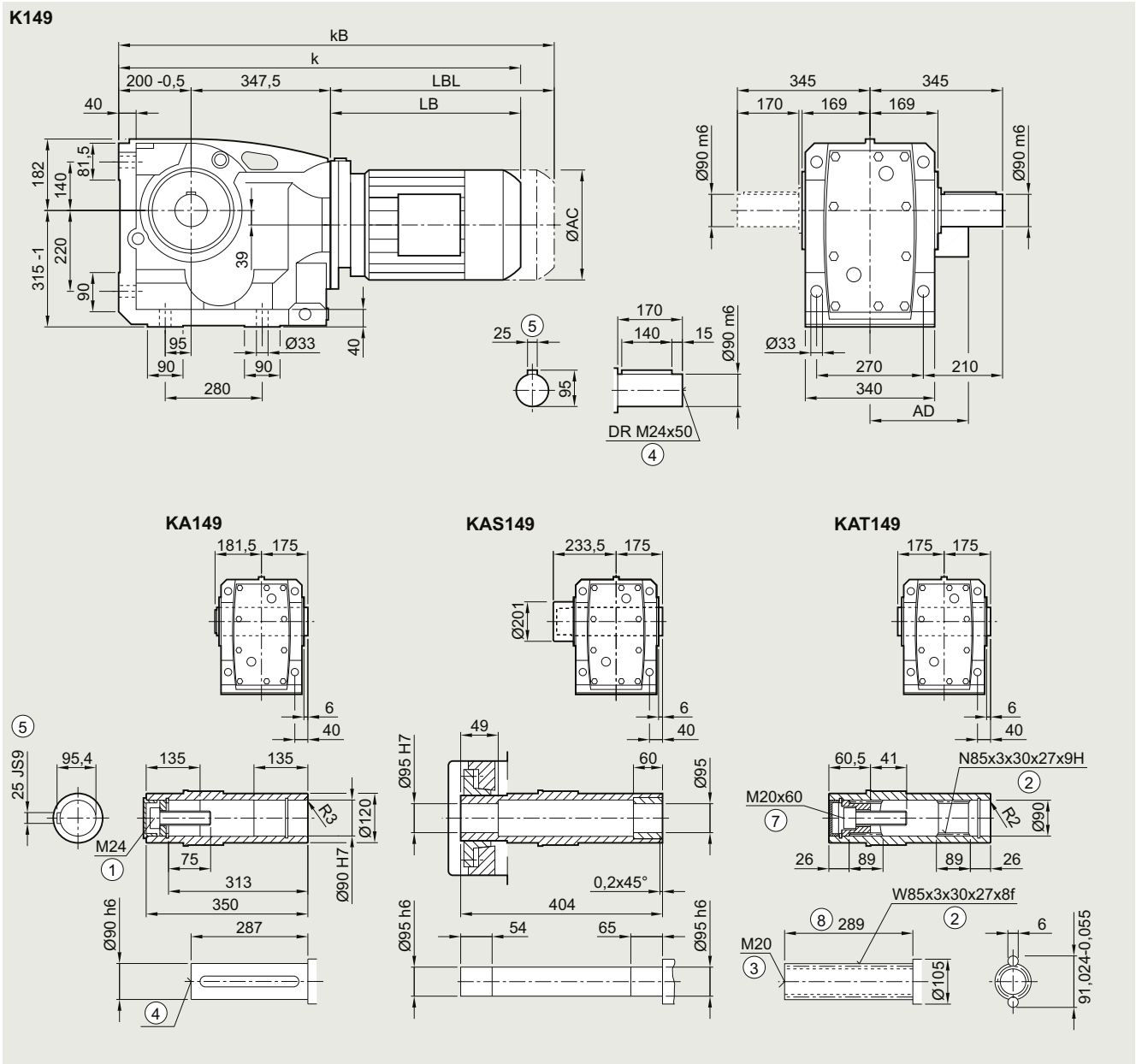


| Motor | LE | | | | | | | | | | LES | | | | | |
|------------------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 90 | 90Z | 100 | 100Z | 112 | 112Z | 132 | 132Z | 160 | 160Z | 180 | 180Z | 200 | 200Z | 225 | 225Y |
| AC | 173.8 | 173.8 | 198.0 | 198.0 | 222.0 | 222.0 | 264.0 | 264.0 | 318.0 | 318.0 | 352.5 | 352.5 | 392.5 | 392.5 | 439.0 | 439.0 |
| AD ¹⁾ | 154.2 | 154.2 | 170.5 | 170.5 | 181.5 | 181.5 | 207.0 | 207.0 | 241.0 | 241.0 | 292.0 | 292.0 | 315.0 | 315.0 | 382.0 | 382.0 |
| k | 767.5 | 807.5 | 818.0 | 853.0 | 828.0 | 853.0 | 881.0 | 931.0 | 963.0 | 1023.0 | 1036.0 | 1066.0 | 1104.0 | 1129.0 | 1149.5 | 1209.5 |
| kB | 837.5 | 877.5 | 896.5 | 931.5 | 901.0 | 926.0 | 985.5 | 1035.5 | 1079.0 | 1139.0 | 1165.0 | 1195.0 | 1251.0 | 1276.0 | 1377.5 | 1437.5 |
| LB | 316.0 | 356.0 | 366.5 | 401.5 | 376.5 | 401.5 | 429.5 | 479.5 | 511.5 | 571.5 | 584.5 | 614.5 | 652.5 | 677.5 | 698.0 | 758.0 |
| LBL | 386.0 | 426.0 | 445.0 | 480.0 | 449.5 | 474.5 | 534.0 | 584.0 | 627.5 | 687.5 | 713.5 | 743.5 | 799.5 | 824.5 | 926.0 | 986.0 |

① ISO 4014 ② DIN 5480 ③ DIN 332-D ④ DIN 332 ⑤ Feather key/keyway DIN 6885-1 ⑥ ISO 4762 ⑦ Without locating shoulder +1 mm
 ⑧ Use bores only for housing flange design ⑨ AD depends on the motor options, for other dimensions, see page 9/46.

Gearbox K..149 in a foot-mounted design

K030, KA030, KAS030, KAT030



5

| Motor | LE | | | | | | | | | | LES | | | | | | |
|------------------|-------|-------|-------|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 90 | 90Z | 100 | 100Z | 112 | 112Z | 132 | 132Z | 160 | 160Z | 180 | 180Z | 200 | 200Z | 225 | 225Y | 250 |
| AC | 173.8 | 173.8 | 198.0 | 198.0 | 222.0 | 222.0 | 264.0 | 264.0 | 318.0 | 318.0 | 352.5 | 352.5 | 392.5 | 392.5 | 439.0 | 439.0 | 487.0 |
| AD ¹⁾ | 154.2 | 154.2 | 170.5 | 170.5 | 181.5 | 181.5 | 207.0 | 207.0 | 241.0 | 241.0 | 292.0 | 292.0 | 315.0 | 315.0 | 382.0 | 382.0 | 457.5 |
| k | 856.5 | 896.5 | 905.0 | 940.0 | 915.0 | 940.0 | 966.0 | 1016.0 | 1048.0 | 1108.0 | 1121.0 | 1151.0 | 1189.0 | 1214.0 | 1234.5 | 1294.5 | 1346.0 |
| kB | 926.5 | 966.5 | 983.5 | 1018.5 | 988.0 | 1013.0 | 1070.5 | 1120.5 | 1164.0 | 1224.0 | 1250.0 | 1280.0 | 1336.0 | 1361.0 | 1462.5 | 1522.5 | 1571.0 |
| LB | 309.0 | 349.0 | 357.5 | 392.5 | 367.5 | 392.5 | 418.5 | 468.5 | 500.5 | 560.5 | 573.5 | 603.5 | 641.5 | 666.5 | 687.0 | 747.0 | 798.5 |
| LBL | 379.0 | 419.0 | 436.0 | 471.0 | 440.5 | 465.5 | 523.0 | 573.0 | 616.5 | 676.5 | 702.5 | 732.5 | 788.5 | 813.5 | 915.0 | 975.0 | 1023.5 |

① ISO 4014 ② DIN 5480 ③ DIN 332-D ④ DIN 332 ⑤ Feather key/keyway DIN 6885-1 ⑦ ISO 4762 ⑧ Without locating shoulder +1 mm
¹⁾ AD depends on the motor options, for other dimensions, see page 9/46.

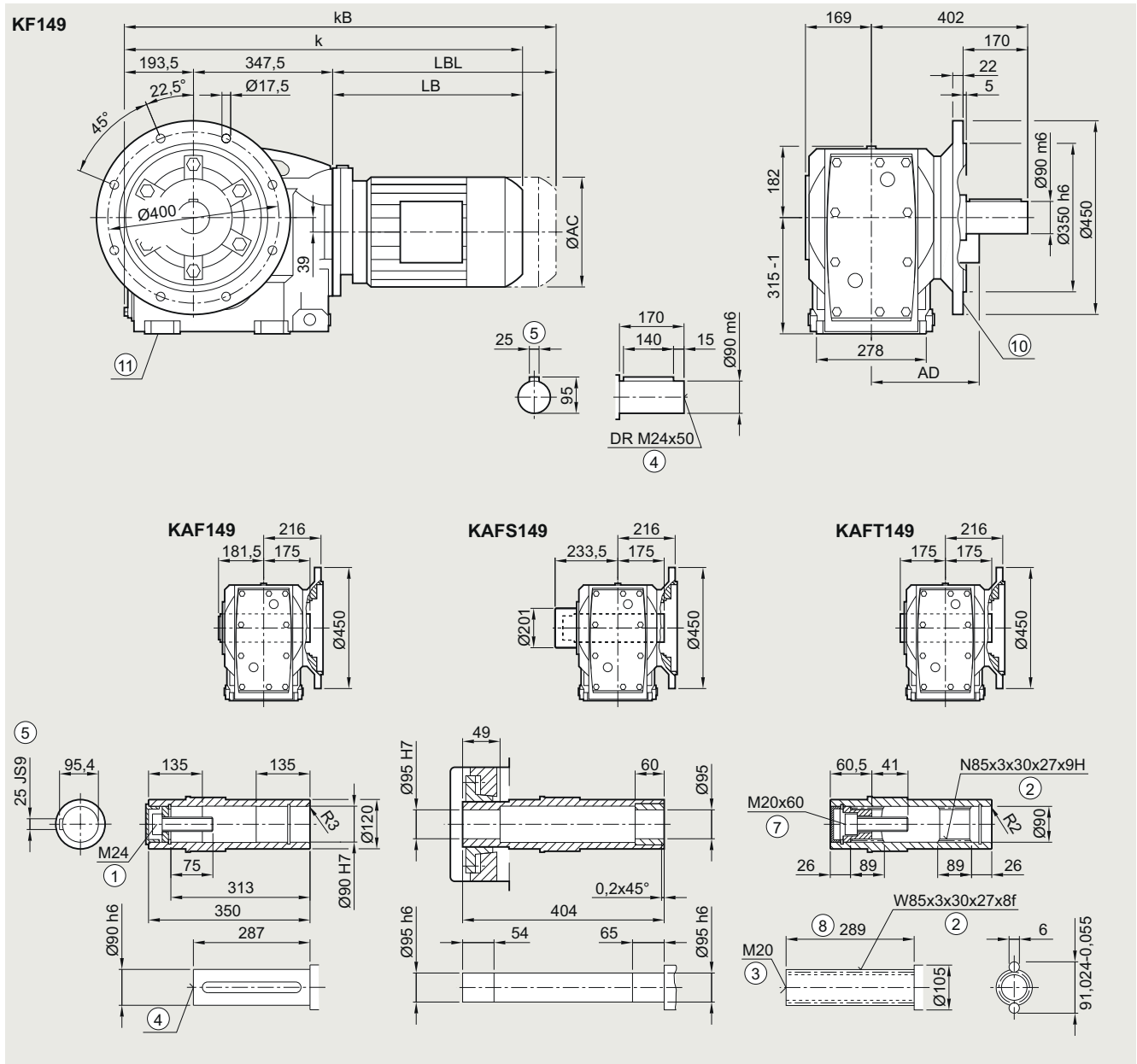
SIMOGEAR geared motors

Bevel geared motors

Dimensional drawings

Gearbox K.F.149 in a flange-mounted design

KF030, KAF030, KAFS030, KAFT030



| Motor | LE | | | | | | | | | LES | | | | | | | |
|------------------|-------|-------|-------|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 90 | 90Z | 100 | 100Z | 112 | 112Z | 132 | 132Z | 160 | 160Z | 180 | 180Z | 200 | 200Z | 225 | 225Y | 250 |
| AC | 173.8 | 173.8 | 198.0 | 198.0 | 222.0 | 222.0 | 264.0 | 264.0 | 318.0 | 318.0 | 352.5 | 352.5 | 392.5 | 392.5 | 439.0 | 439.0 | 487.0 |
| AD ¹⁾ | 154.2 | 154.2 | 170.5 | 170.5 | 181.5 | 181.5 | 207.0 | 207.0 | 241.0 | 241.0 | 292.0 | 292.0 | 315.0 | 315.0 | 382.0 | 382.0 | 457.5 |
| k | 850.0 | 890.0 | 898.5 | 933.5 | 908.5 | 933.5 | 959.5 | 1009.5 | 1041.5 | 1101.5 | 1114.5 | 1144.5 | 1182.5 | 1207.5 | 1228.0 | 1288.0 | 1339.5 |
| kB | 920.0 | 960.0 | 977.0 | 1012.0 | 981.5 | 1006.5 | 1064.0 | 1114.0 | 1157.5 | 1217.5 | 1243.5 | 1273.5 | 1329.5 | 1354.5 | 1456.0 | 1516.0 | 1564.5 |
| LB | 309.0 | 349.0 | 357.5 | 392.5 | 367.5 | 392.5 | 418.5 | 468.5 | 500.5 | 560.5 | 573.5 | 603.5 | 641.5 | 666.5 | 687.0 | 747.0 | 798.5 |
| LBL | 379.0 | 419.0 | 436.0 | 471.0 | 440.5 | 465.5 | 523.0 | 573.0 | 616.5 | 676.5 | 702.5 | 732.5 | 788.5 | 813.5 | 915.0 | 975.0 | 1023.5 |

① ISO 4014 ② DIN 5480 ③ DIN 332-D ④ DIN 332 ⑤ Feather key/keyway DIN 6885-1 ⑦ ISO 4762 ⑧ Without locating shoulder +1 mm

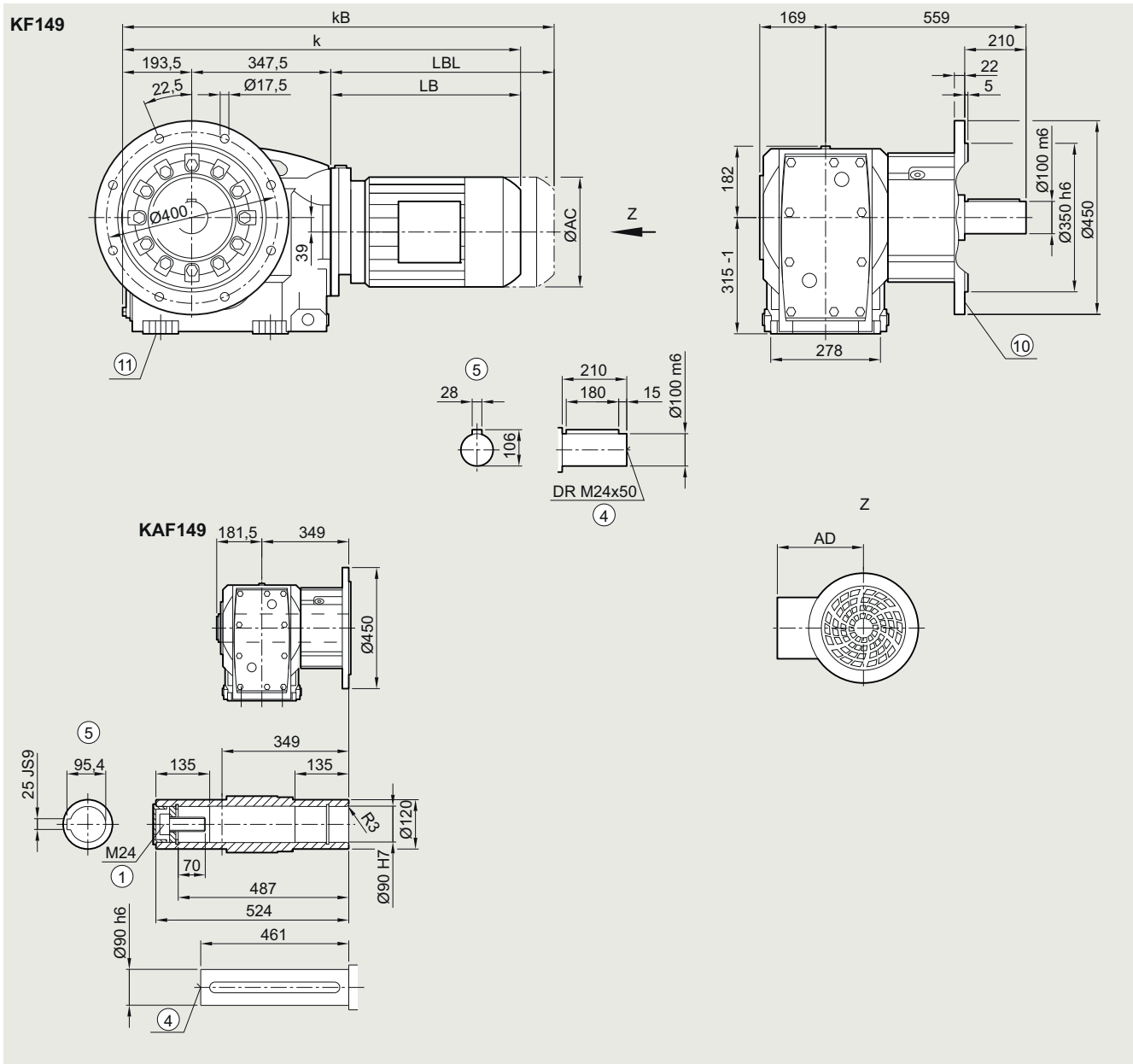
⑩ For inner contour, see page 5/136

⑪ Use bores only for foot-mounted design

¹⁾ AD depends on the motor options, for other dimensions, see page 9/46.

Gearbox K.F.149 in a flange-mounted design with VLplus reinforced bearing system (G30)

KF040, KAF040



| Motor | LE | | | | | | | | | | LES | | | | | | |
|------------------|-------|-------|-------|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 90 | 90Z | 100 | 100Z | 112 | 112Z | 132 | 132Z | 160 | 160Z | 180 | 180Z | 200 | 200Z | 225 | 225Y | 250 |
| AC | 173.8 | 173.8 | 198.0 | 198.0 | 222.0 | 222.0 | 264.0 | 264.0 | 318.0 | 318.0 | 352.5 | 352.5 | 392.5 | 392.5 | 439.0 | 439.0 | 487.0 |
| AD ¹⁾ | 154.2 | 154.2 | 170.5 | 170.5 | 181.5 | 181.5 | 207.0 | 207.0 | 241.0 | 241.0 | 292.0 | 292.0 | 315.0 | 315.0 | 382.0 | 382.0 | 457.5 |
| k | 850.0 | 890.0 | 898.5 | 933.5 | 908.5 | 933.5 | 959.5 | 1009.5 | 1041.5 | 1101.5 | 1114.5 | 1144.5 | 1182.5 | 1207.5 | 1228.0 | 1288.0 | 1339.5 |
| kB | 920.0 | 960.0 | 977.0 | 1012.0 | 981.5 | 1006.5 | 1064.0 | 1114.0 | 1157.5 | 1217.5 | 1243.5 | 1273.5 | 1329.5 | 1354.5 | 1456.0 | 1516.0 | 1564.5 |
| LB | 309.0 | 349.0 | 357.5 | 392.5 | 367.5 | 392.5 | 418.5 | 468.5 | 500.5 | 560.5 | 573.5 | 603.5 | 641.5 | 666.5 | 687.0 | 747.0 | 798.5 |
| LBL | 379.0 | 419.0 | 436.0 | 471.0 | 440.5 | 465.5 | 523.0 | 573.0 | 616.5 | 676.5 | 702.5 | 732.5 | 788.5 | 813.5 | 915.0 | 975.0 | 1023.5 |

① ISO 4014 ④ DIN 332 ⑤ Feather key/keyway DIN 6885-1 ⑩ Use bores only for foot-mounted design

⑧ For inner contour, see page 5/136

¹⁾ AD depends on the motor options, for other dimensions, see page 9/46.

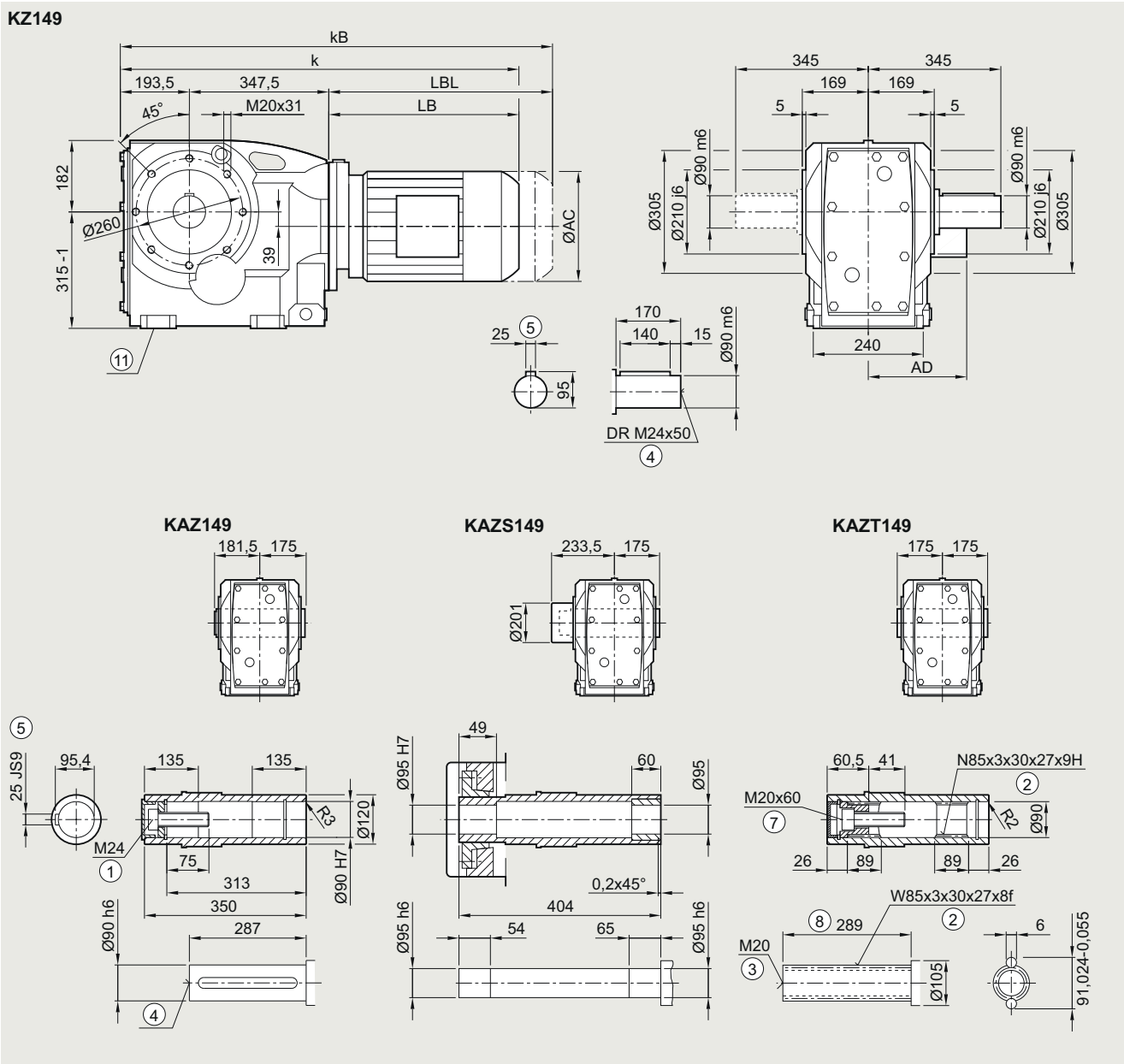
SIMOGEAR geared motors

Bevel geared motors

Dimensional drawings

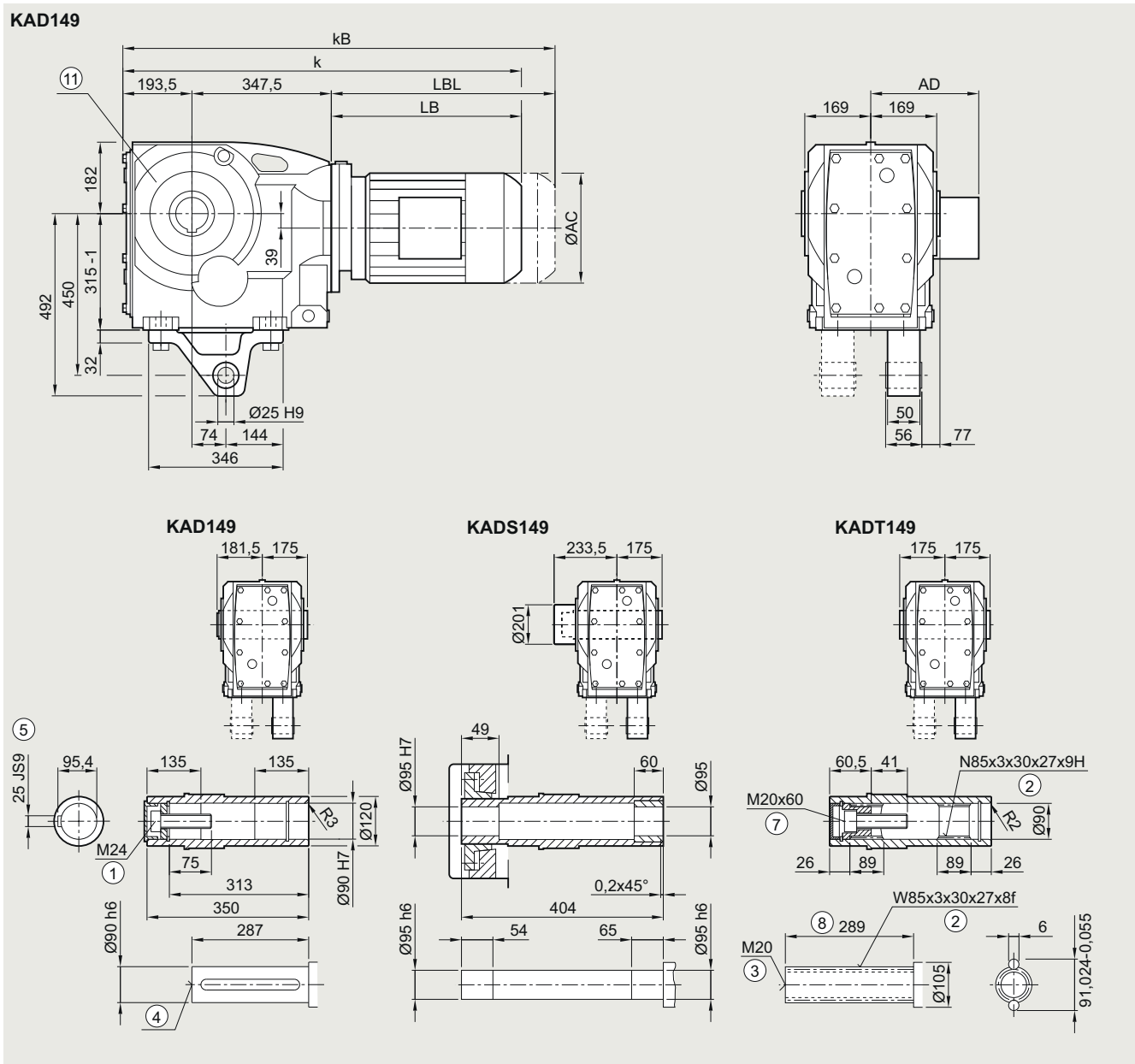
Gearbox K.Z.149 in a housing flange design

KZ030, KAZ030, KAZS030, KAZT030



| Motor | LE | | | | | | | | | | LES | | | | | | | |
|------------------|-------|-------|-------|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| | 90 | 90Z | 100 | 100Z | 112 | 112Z | 132 | 132Z | 160 | 160Z | 180 | 180Z | 200 | 200Z | 225 | 225Y | 250 | |
| AC | 173.8 | 173.8 | 198.0 | 198.0 | 222.0 | 222.0 | 264.0 | 264.0 | 318.0 | 318.0 | 352.5 | 352.5 | 392.5 | 392.5 | 439.0 | 439.0 | 487.0 | |
| AD ¹⁾ | 154.2 | 154.2 | 170.5 | 170.5 | 181.5 | 181.5 | 207.0 | 207.0 | 241.0 | 241.0 | 292.0 | 292.0 | 315.0 | 315.0 | 382.0 | 382.0 | 457.5 | |
| k | 850.0 | 890.0 | 898.5 | 933.5 | 908.5 | 933.5 | 959.5 | 1009.5 | 1041.5 | 1101.5 | 1114.5 | 1144.5 | 1182.5 | 1207.5 | 1228.0 | 1288.0 | 1339.5 | |
| kB | 920.0 | 960.0 | 977.0 | 1012.0 | 981.5 | 1006.5 | 1064.0 | 1114.0 | 1157.5 | 1217.5 | 1243.5 | 1273.5 | 1329.5 | 1354.5 | 1456.0 | 1516.0 | 1564.5 | |
| LB | 309.0 | 349.0 | 357.5 | 392.5 | 367.5 | 392.5 | 418.5 | 468.5 | 500.5 | 560.5 | 573.5 | 603.5 | 641.5 | 666.5 | 687.0 | 747.0 | 798.5 | |
| LBL | 379.0 | 419.0 | 436.0 | 471.0 | 440.5 | 465.5 | 523.0 | 573.0 | 616.5 | 676.5 | 702.5 | 732.5 | 788.5 | 813.5 | 915.0 | 975.0 | 1023.5 | |

① ISO 4014 ② DIN 5480 ③ DIN 332-D ④ DIN 332 ⑤ Feather key/keyway DIN 6885-1 ⑦ ISO 4762 ⑧ Without locating shoulder +1 mm
 ⑨ Use bores only for foot-mounted design 1) AD depends on the motor options, for other dimensions, see page 9/46.

Gearbox KAD.149 in a shaft-mounted design
KAD031, KADS031, KADT031


| Motor | LE | | | | | | | | | LES | | | | | | | |
|------------------|-------|-------|-------|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 90 | 90Z | 100 | 100Z | 112 | 112Z | 132 | 132Z | 160 | 160Z | 180 | 180Z | 200 | 200Z | 225 | 225Y | 250 |
| AC | 173.8 | 173.8 | 198.0 | 198.0 | 222.0 | 222.0 | 264.0 | 264.0 | 318.0 | 318.0 | 352.5 | 352.5 | 392.5 | 392.5 | 439.0 | 439.0 | 487.0 |
| AD ¹⁾ | 154.2 | 154.2 | 170.5 | 170.5 | 181.5 | 181.5 | 207.0 | 207.0 | 241.0 | 241.0 | 292.0 | 292.0 | 315.0 | 315.0 | 382.0 | 382.0 | 457.5 |
| k | 850.0 | 890.0 | 898.5 | 933.5 | 908.5 | 933.5 | 959.5 | 1009.5 | 1041.5 | 1101.5 | 1114.5 | 1144.5 | 1182.5 | 1207.5 | 1228.0 | 1288.0 | 1339.5 |
| kB | 920.0 | 960.0 | 977.0 | 1012.0 | 981.5 | 1006.5 | 1064.0 | 1114.0 | 1157.5 | 1217.5 | 1243.5 | 1273.5 | 1329.5 | 1354.5 | 1456.0 | 1516.0 | 1564.5 |
| LB | 309.0 | 349.0 | 357.5 | 392.5 | 367.5 | 392.5 | 418.5 | 468.5 | 500.5 | 560.5 | 573.5 | 603.5 | 641.5 | 666.5 | 687.0 | 747.0 | 798.5 |
| LBL | 379.0 | 419.0 | 436.0 | 471.0 | 440.5 | 465.5 | 523.0 | 573.0 | 616.5 | 676.5 | 702.5 | 732.5 | 788.5 | 813.5 | 915.0 | 975.0 | 1023.5 |

① ISO 4014 ② DIN 5480 ③ DIN 332-D ④ DIN 332 ⑤ Feather key/keyway DIN 6885-1 ⑦ ISO 4762 ⑧ Without locating shoulder +1 mm

⑩ Use bores only for housing flange design

1) AD depends on the motor options, for other dimensions, see page 9/46.

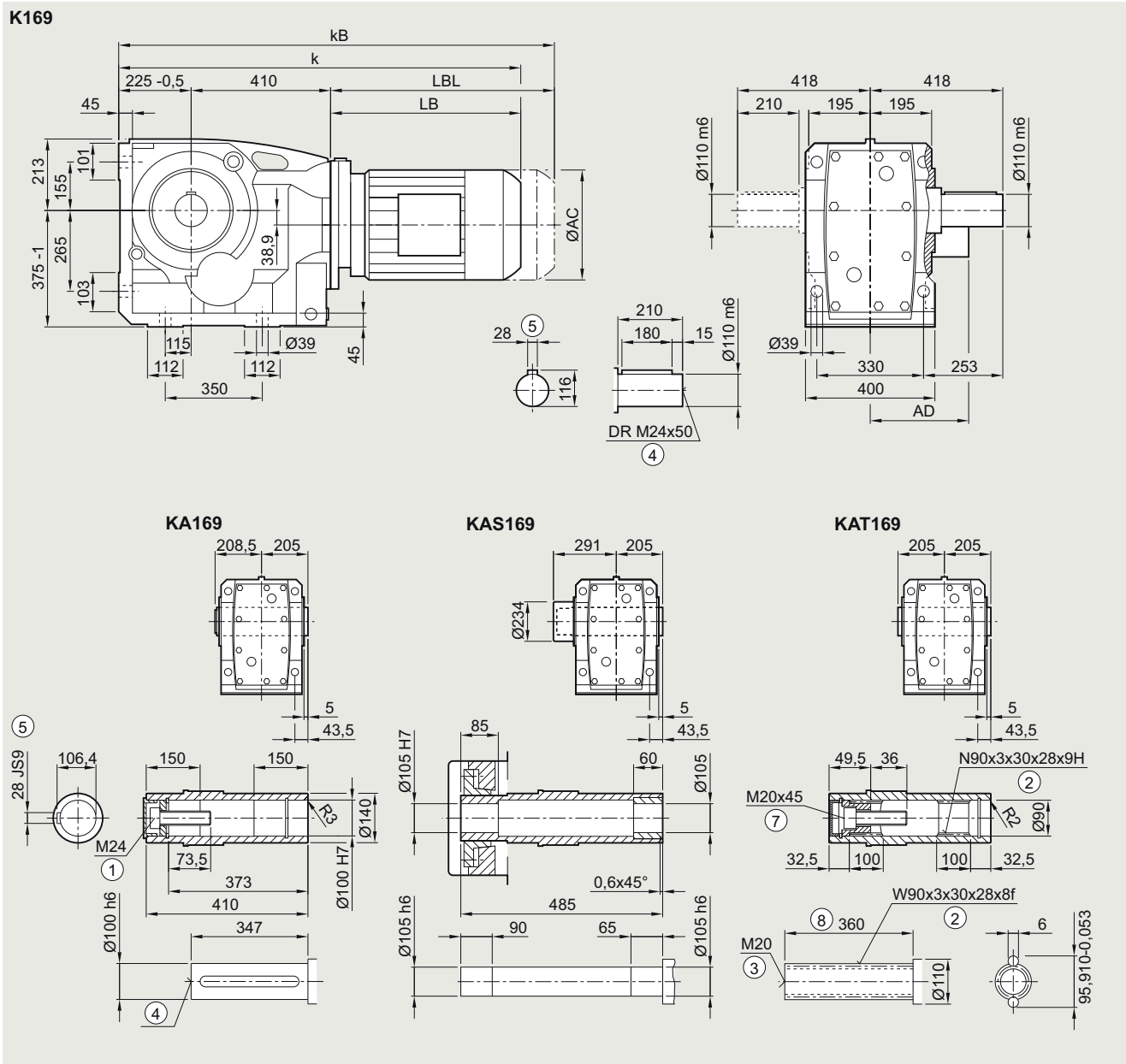
SIMOGEAR geared motors

Bevel geared motors

Dimensional drawings

Gearbox K..169 in a foot-mounted design

K030, KA030, KAS030, KAT030



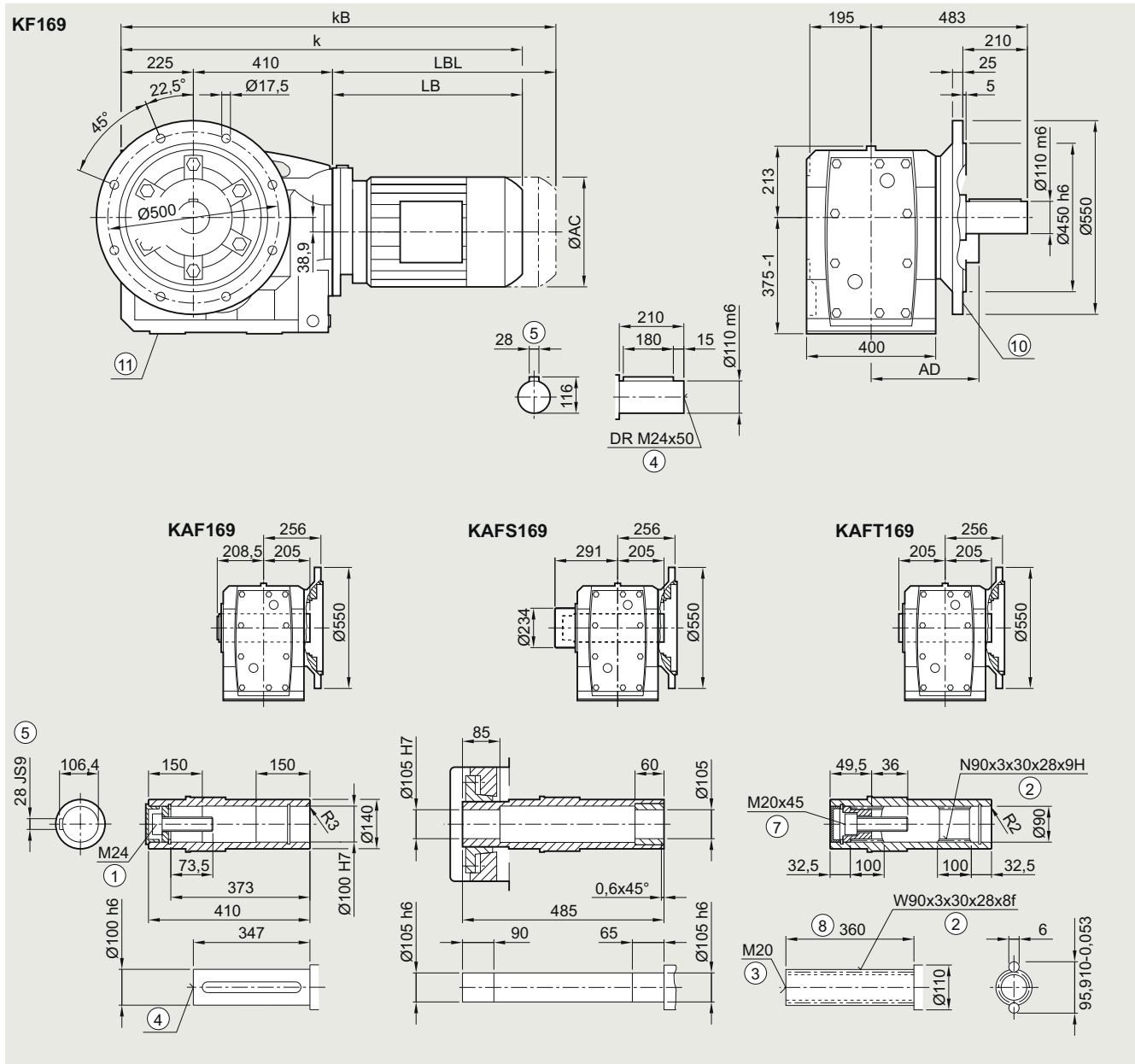
| Motor | LE | | | | | | | | LES | | | | | | |
|------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 100 | 100Z | 112 | 112Z | 132 | 132Z | 160 | 160Z | 180 | 180Z | 200 | 200Z | 225 | 225Y | 250 |
| AC | 198.0 | 198.0 | 222.0 | 222.0 | 264.0 | 264.0 | 318.0 | 318.0 | 352.5 | 352.5 | 392.5 | 392.5 | 439.0 | 439.0 | 487.0 |
| AD ¹⁾ | 170.5 | 170.5 | 181.5 | 181.5 | 207.0 | 207.0 | 241.0 | 241.0 | 292.0 | 292.0 | 315.0 | 315.0 | 382.0 | 382.0 | 457.5 |
| k | 991.0 | 1026.0 | 1001.0 | 1026.0 | 1047.0 | 1097.0 | 1129.0 | 1189.0 | 1202.0 | 1232.0 | 1270.0 | 1295.0 | 1315.5 | 1375.5 | 1427.0 |
| kB | 1069.5 | 1104.5 | 1074.0 | 1099.0 | 1151.5 | 1201.5 | 1245.0 | 1305.0 | 1331.0 | 1361.0 | 1417.0 | 1442.0 | 1543.5 | 1603.5 | 1652.0 |
| LB | 356.0 | 391.0 | 366.0 | 391.0 | 412.0 | 462.0 | 494.0 | 554.0 | 567.0 | 597.0 | 635.0 | 660.0 | 680.5 | 740.5 | 792.0 |
| LBL | 434.5 | 469.5 | 439 | 464.0 | 516.5 | 566.5 | 610.0 | 670.0 | 696.0 | 726.0 | 782.0 | 807.0 | 908.5 | 968.5 | 1017.0 |

① ISO 4014 ② DIN 5480 ③ DIN 332-D ④ DIN 332 ⑤ Feather key/keyway DIN 6885-1 ⑦ ISO 4762 ⑧ Without locating shoulder +1 mm

¹⁾ AD depends on the motor options, for other dimensions, see page 9/46.

Gearbox K.F.169 in a flange-mounted design

KF030, KAF030, KAFS030, KAFT030



| Motor | LE | | | | | | | | LES | | | | | | | |
|------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| | 100 | 100Z | 112 | 112Z | 132 | 132Z | 160 | 160Z | 180 | 180Z | 200 | 200Z | 225 | 225Y | 250 | |
| AC | 198.0 | 198.0 | 222.0 | 222.0 | 264.0 | 264.0 | 318.0 | 318.0 | 352.5 | 352.5 | 392.5 | 392.5 | 439.0 | 439.0 | 487.0 | |
| AD ¹⁾ | 170.5 | 170.5 | 181.5 | 181.5 | 207.0 | 207.0 | 241.0 | 241.0 | 292.0 | 292.0 | 315.0 | 315.0 | 382.0 | 382.0 | 457.5 | |
| k | 991.0 | 1026.0 | 1001.0 | 1026.0 | 1047.0 | 1097.0 | 1129.0 | 1189.0 | 1202.0 | 1232.0 | 1270.0 | 1295.0 | 1315.5 | 1375.5 | 1427.0 | |
| kB | 1069.5 | 1104.5 | 1074.0 | 1099.0 | 1151.5 | 1201.5 | 1245.0 | 1305.0 | 1331.0 | 1361.0 | 1417.0 | 1442.0 | 1543.5 | 1603.5 | 1652.0 | |
| LB | 356.0 | 391.0 | 366.0 | 391.0 | 412.0 | 462.0 | 494.0 | 554.0 | 567.0 | 597.0 | 635.0 | 660.0 | 680.5 | 740.5 | 792.0 | |
| LBL | 434.5 | 469.5 | 439.0 | 464.0 | 516.5 | 566.5 | 610.0 | 670.0 | 696.0 | 726.0 | 782.0 | 807.0 | 908.5 | 968.5 | 1017.0 | |

① ISO 4014 ② DIN 5480 ③ DIN 332-D ④ DIN 332 ⑤ Feather key/keyway DIN 6885-1 ⑦ ISO 4762 ⑧ Without locating shoulder +1 mm
 ⑨ For inner contour, see page 5/136 ⑩ Use bores only for foot-mounted design
 1) AD depends on the motor options, for other dimensions, see page 9/46.

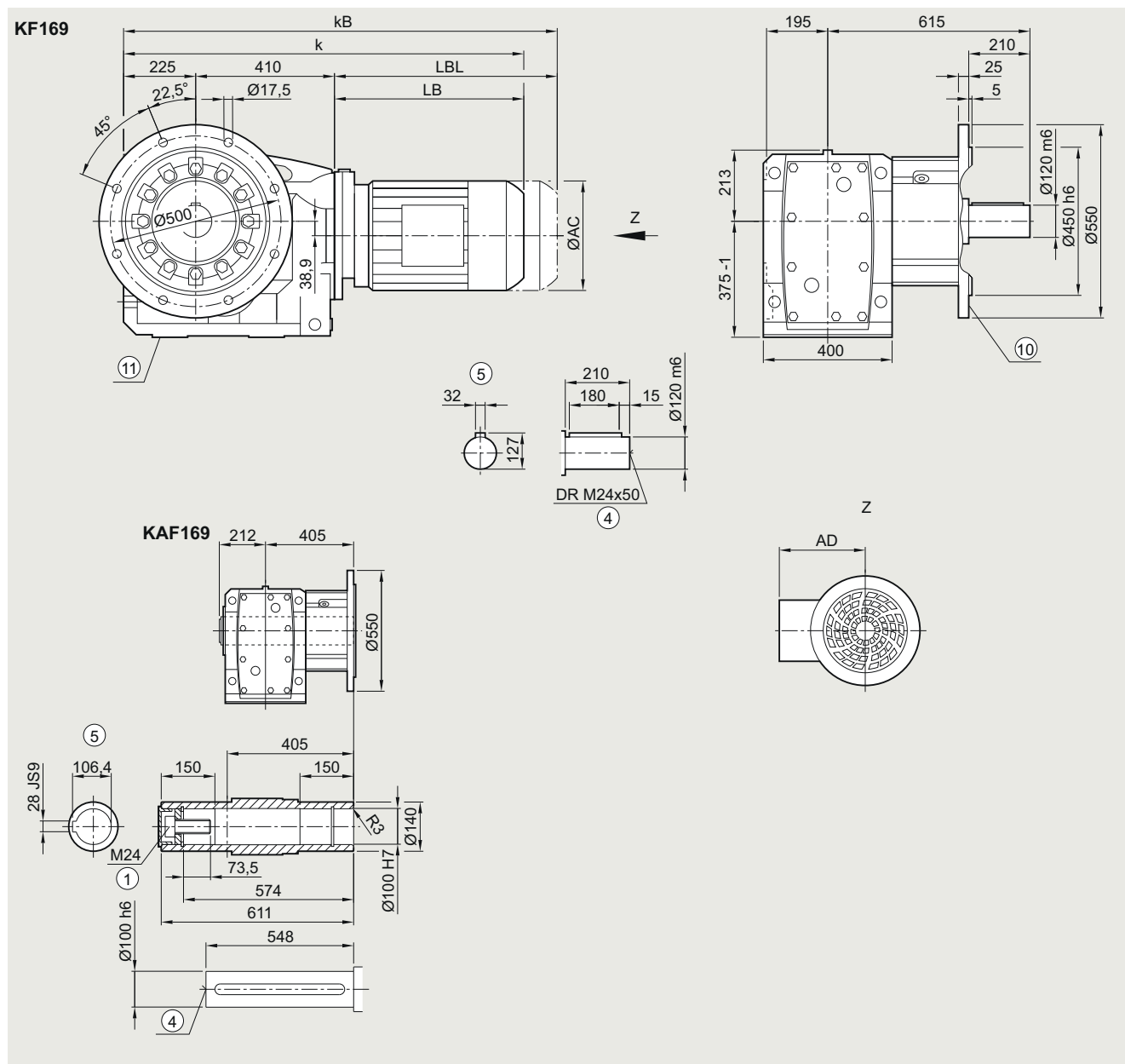
SIMOGEAR geared motors

Bevel geared motors

Dimensional drawings

Gearbox K.F.169 in a flange-mounted design with VLplus reinforced bearing system (G30)

KF040, KAF040



| Motor | LE | | | | | | | | LES | | | | | | |
|------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 100 | 100Z | 112 | 112Z | 132 | 132Z | 160 | 160Z | 180 | 180Z | 200 | 200Z | 225 | 225Y | 250 |
| AC | 198.0 | 198.0 | 222.0 | 222.0 | 264.0 | 264.0 | 318.0 | 318.0 | 352.5 | 352.5 | 392.5 | 392.5 | 439.0 | 439.0 | 487.0 |
| AD ¹⁾ | 170.5 | 170.5 | 181.5 | 181.5 | 207.0 | 207.0 | 241.0 | 241.0 | 292.0 | 292.0 | 315.0 | 315.0 | 382.0 | 382.0 | 457.5 |
| k | 991.0 | 1026.0 | 1001.0 | 1026.0 | 1047.0 | 1097.0 | 1129.0 | 1189.0 | 1202.0 | 1232.0 | 1270.0 | 1295.0 | 1315.5 | 1375.5 | 1427.0 |
| kB | 1069.5 | 1104.5 | 1074.0 | 1099.0 | 1151.5 | 1201.5 | 1245.0 | 1305.0 | 1331.0 | 1361.0 | 1417.0 | 1442.0 | 1543.5 | 1603.5 | 1652.0 |
| LB | 356.0 | 391.0 | 366.0 | 391.0 | 412.0 | 462.0 | 494.0 | 554.0 | 567.0 | 597.0 | 635.0 | 660.0 | 680.5 | 740.5 | 792.0 |
| LBL | 434.5 | 469.5 | 439.0 | 464.0 | 516.5 | 566.5 | 610.0 | 670.0 | 696.0 | 726.0 | 782.0 | 807.0 | 908.5 | 968.5 | 1017.0 |

① ISO 4014

④ DIN 332

⑤ Feather key/keyway DIN 6885-1

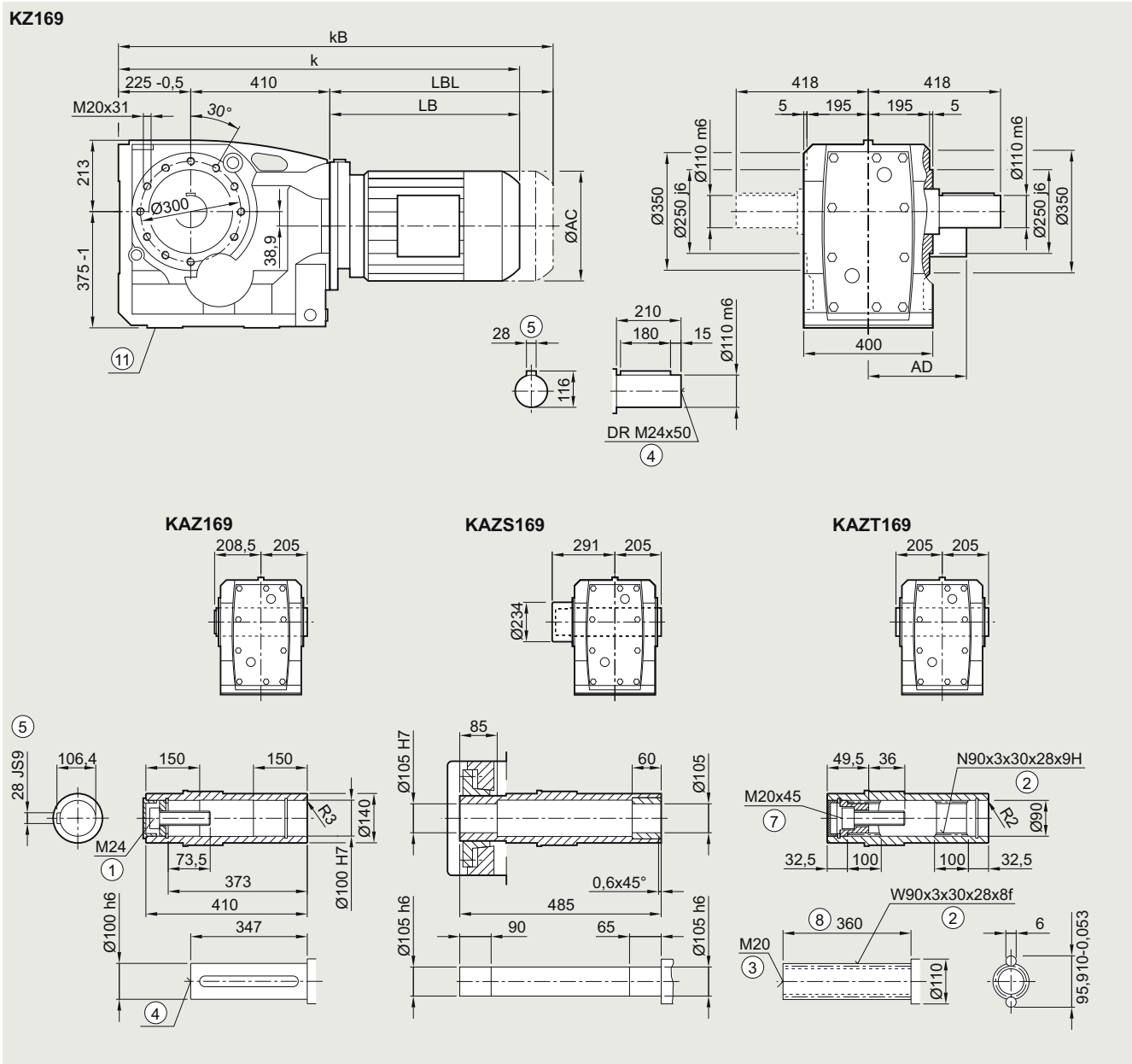
⑩ Use bores only for foot-mounted design

⑪ For inner contour, see page 5/136

¹⁾ AD depends on the motor options, for other dimensions, see page 9/46.

Gearbox K.Z.169 in a housing flange design

KZ030, KAZ030, KAZS030, KAZT030



| Motor | LE | | | | | | | | LES | | | | | | | |
|------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| | 100 | 100Z | 112 | 112Z | 132 | 132Z | 160 | 160Z | 180 | 180Z | 200 | 200Z | 225 | 225Y | 250 | |
| AC | 198.0 | 198.0 | 222.0 | 222.0 | 264.0 | 264.0 | 318.0 | 318.0 | 352.5 | 352.5 | 392.5 | 392.5 | 439.0 | 439.0 | 487.0 | |
| AD ¹⁾ | 170.5 | 170.5 | 181.5 | 181.5 | 207.0 | 207.0 | 241.0 | 241.0 | 292.0 | 292.0 | 315.0 | 315.0 | 382.0 | 382.0 | 457.5 | |
| k | 991.0 | 1026.0 | 1001.0 | 1026.0 | 1047.0 | 1097.0 | 1129.0 | 1189.0 | 1202.0 | 1232.0 | 1270.0 | 1295.0 | 1315.5 | 1375.5 | 1427.0 | |
| kB | 1069.5 | 1104.5 | 1074.0 | 1099.0 | 1151.5 | 1201.5 | 1245.0 | 1305.0 | 1331.0 | 1361.0 | 1417.0 | 1442.0 | 1543.5 | 1603.5 | 1652.0 | |
| LB | 356.0 | 391.0 | 366.0 | 391.0 | 412.0 | 462.0 | 494.0 | 554.0 | 567.0 | 597.0 | 635.0 | 660.0 | 680.5 | 740.5 | 792.0 | |
| LBL | 434.5 | 469.5 | 439.0 | 464.0 | 516.5 | 566.5 | 610.0 | 670.0 | 696.0 | 726.0 | 782.0 | 807.0 | 908.5 | 968.5 | 1017.0 | |

① ISO 4014 ② DIN 5480 ③ DIN 332-D ④ DIN 332 ⑤ Feather key/keyway DIN 6885-1 ⑦ ISO 4762 ⑧ Without locating shoulder +1 mm
 ⑨ Use bores only for foot-mounted design
 1) AD depends on the motor options, for other dimensions, see page 9/46.

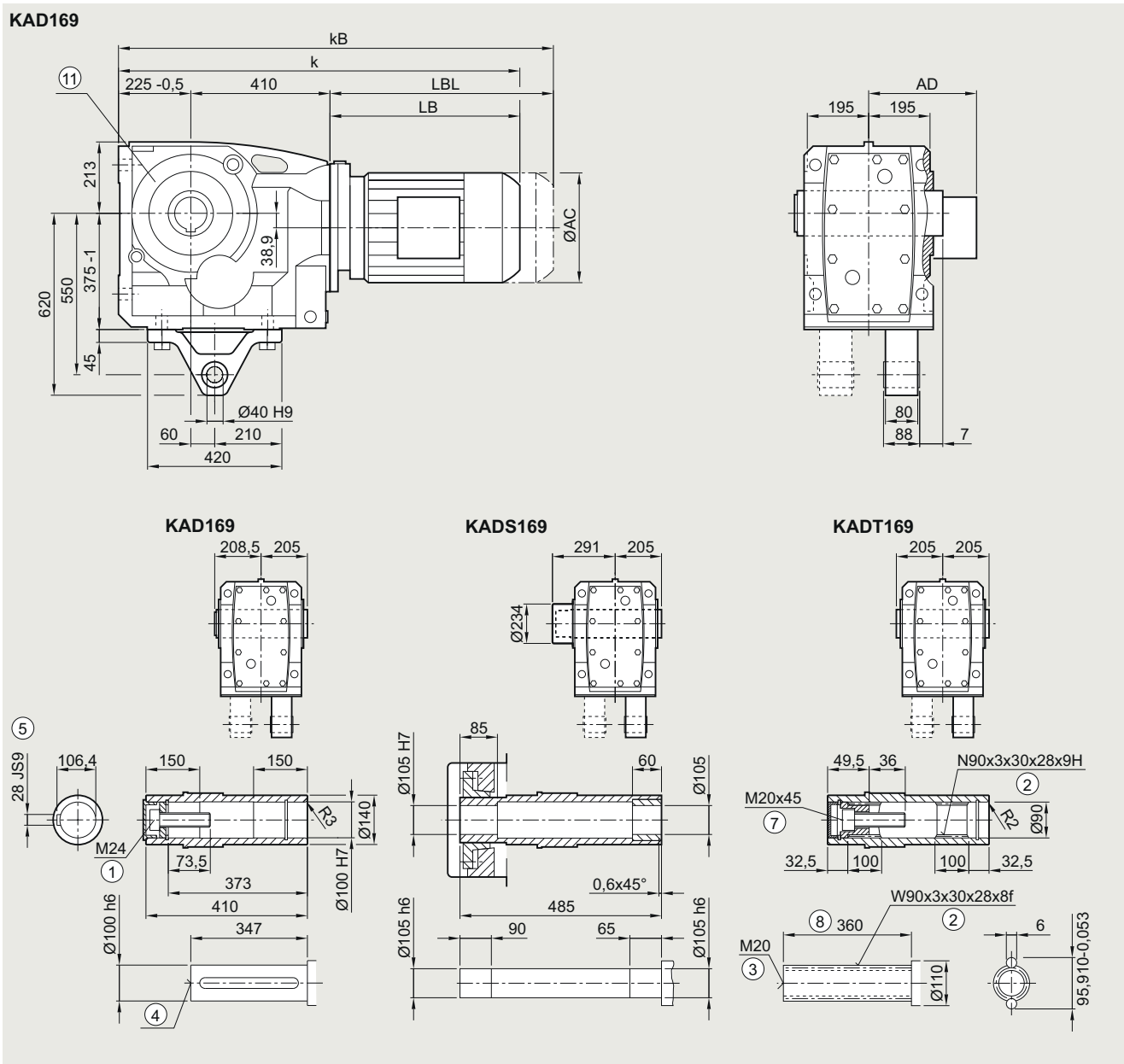
SIMOGEAR geared motors

Bevel geared motors

Dimensional drawings

Gearbox KAD.169 in a shaft-mounted design

KAD031, KADS031, KADT031



| Motor | LE | | | | | | | | LES | | | | | | |
|------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 100 | 100Z | 112 | 112Z | 132 | 132Z | 160 | 160Z | 180 | 180Z | 200 | 200Z | 225 | 225Y | 250 |
| AC | 198.0 | 198.0 | 222.0 | 222.0 | 264.0 | 264.0 | 318.0 | 318.0 | 352.5 | 352.5 | 392.5 | 392.5 | 439.0 | 439.0 | 487.0 |
| AD ¹⁾ | 170.5 | 170.5 | 181.5 | 181.5 | 207.0 | 207.0 | 241.0 | 241.0 | 292.0 | 292.0 | 315.0 | 315.0 | 382.0 | 382.0 | 457.5 |
| k | 991.0 | 1026.0 | 1001.0 | 1026.0 | 1047.0 | 1097.0 | 1129.0 | 1189.0 | 1202.0 | 1232.0 | 1270.0 | 1295.0 | 1315.5 | 1375.5 | 1427.0 |
| kB | 1069.5 | 1104.5 | 1074.0 | 1099.0 | 1151.5 | 1201.5 | 1245.0 | 1305.0 | 1331.0 | 1361.0 | 1417.0 | 1442.0 | 1543.5 | 1603.5 | 1652.0 |
| LB | 356.0 | 391.0 | 366.0 | 391.0 | 412.0 | 462.0 | 494.0 | 554.0 | 567.0 | 597.0 | 635.0 | 660.0 | 680.5 | 740.5 | 792.0 |
| LBL | 434.5 | 469.5 | 439.0 | 464.0 | 516.5 | 566.5 | 610.0 | 670.0 | 696.0 | 726.0 | 782.0 | 807.0 | 908.5 | 968.5 | 1017.0 |

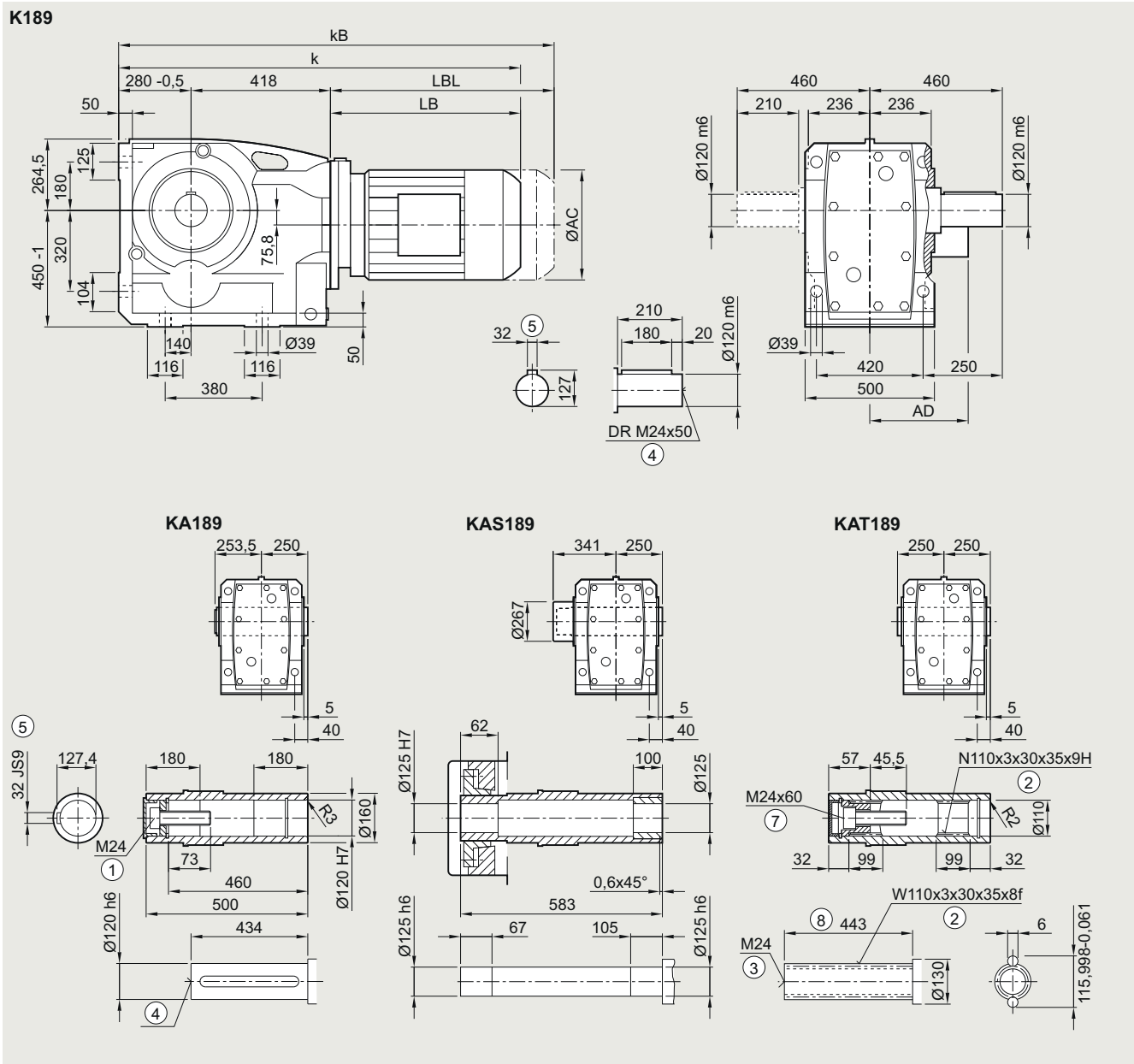
① ISO 4014 ② DIN 5480 ③ DIN 332-D ④ DIN 332 ⑤ Feather key/keyway DIN 6885-1 ⑦ ISO 4762 ⑧ Without locating shoulder +1 mm

⑩ Use bores only for housing flange design

¹⁾ AD depends on the motor options, for other dimensions, see page 9/46.

Gearbox K..189 in a foot-mounted design

K030, KA030, KAS030, KAT030



| Motor | LE | | | | | | LES | | | | | | |
|------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 112 | 112Z | 132 | 132Z | 160 | 160Z | 180 | 180Z | 200 | 200Z | 225 | 225Y | 250 |
| AC | 222.0 | 222.0 | 264.0 | 264.0 | 318.0 | 318.0 | 352.5 | 352.5 | 392.5 | 392.5 | 439.0 | 439.0 | 487.0 |
| AD ¹⁾ | 181.5 | 181.5 | 207.0 | 207.0 | 241.0 | 241.0 | 292.0 | 292.0 | 315.0 | 315.0 | 382.0 | 382.0 | 457.5 |
| k | 1051.5 | 1076.5 | 1097.0 | 1147.0 | 1179.0 | 1239.0 | 1251.5 | 1281.5 | 1319.5 | 1344.5 | 1364.0 | 1424.0 | 1471.5 |
| kB | 1124.5 | 1149.5 | 1201.5 | 1251.5 | 1295.0 | 1355.0 | 1380.5 | 1410.5 | 1466.5 | 1491.5 | 1592.0 | 1652.0 | 1696.5 |
| LB | 353.5 | 378.5 | 399.0 | 449.0 | 481.0 | 541.0 | 553.5 | 583.5 | 621.5 | 646.5 | 666.0 | 726.0 | 773.5 |
| LBL | 426.5 | 451.5 | 503.5 | 553.5 | 597.0 | 657.0 | 682.5 | 712.5 | 768.5 | 793.5 | 894.0 | 954.0 | 998.5 |

① ISO 4014 ② DIN 5480 ③ DIN 332-D ④ DIN 332 ⑤ Feather key/keyway DIN 6885-1 ⑦ ISO 4762 ⑧ Without locating shoulder +1 mm
¹⁾ AD depends on the motor options, for other dimensions, see page 9/46.

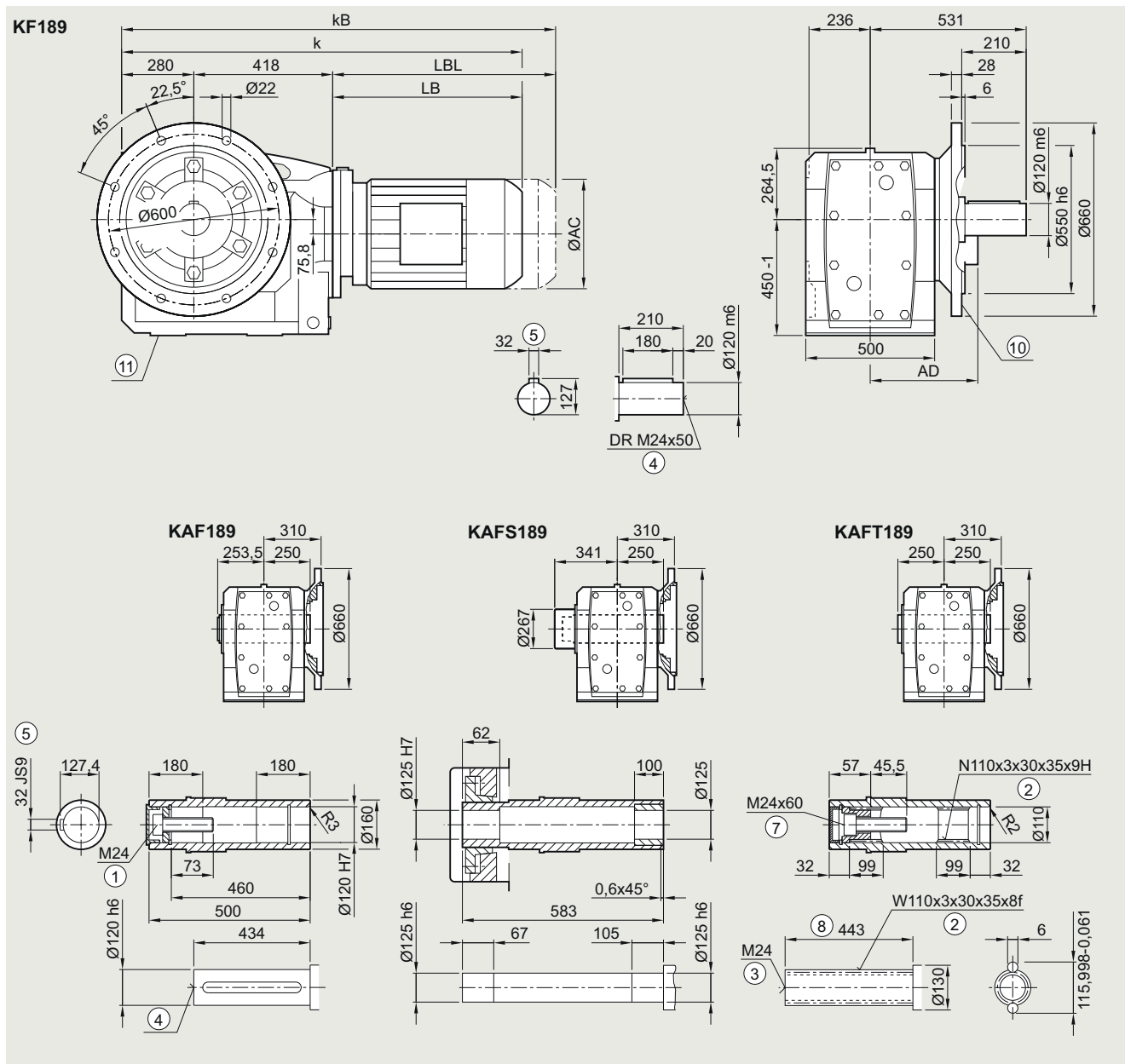
SIMOGEAR geared motors

Bevel geared motors

Dimensional drawings

Gearbox K.F.189 in a flange-mounted design

KF030, KAF030, KAFS030, KAFT030



| Motor | LE | | | | | | LES | | | | | | | |
|------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| | 112 | 112Z | 132 | 132Z | 160 | 160Z | 180 | 180Z | 200 | 200Z | 225 | 225Y | 250 | |
| AC | 222.0 | 222.0 | 264.0 | 264.0 | 318.0 | 318.0 | 352.5 | 352.5 | 392.5 | 392.5 | 439.0 | 439.0 | 487.0 | |
| AD ¹⁾ | 181.5 | 181.5 | 207.0 | 207.0 | 241.0 | 241.0 | 292.0 | 292.0 | 315.0 | 315.0 | 382.0 | 382.0 | 457.5 | |
| k | 1051.5 | 1076.5 | 1097.0 | 1147.0 | 1179.0 | 1239.0 | 1251.5 | 1281.5 | 1319.5 | 1344.5 | 1364.0 | 1424.0 | 1471.5 | |
| kB | 1124.5 | 1149.5 | 1201.5 | 1251.5 | 1295.0 | 1355.0 | 1380.5 | 1410.5 | 1466.5 | 1491.5 | 1592.0 | 1652.0 | 1696.5 | |
| LB | 353.5 | 378.5 | 399.0 | 449.0 | 481.0 | 541.0 | 553.5 | 583.5 | 621.5 | 646.5 | 666.0 | 726.0 | 773.5 | |
| LBL | 426.5 | 451.5 | 503.5 | 553.5 | 597.0 | 657.0 | 682.5 | 712.5 | 768.5 | 793.5 | 894.0 | 954.0 | 998.5 | |

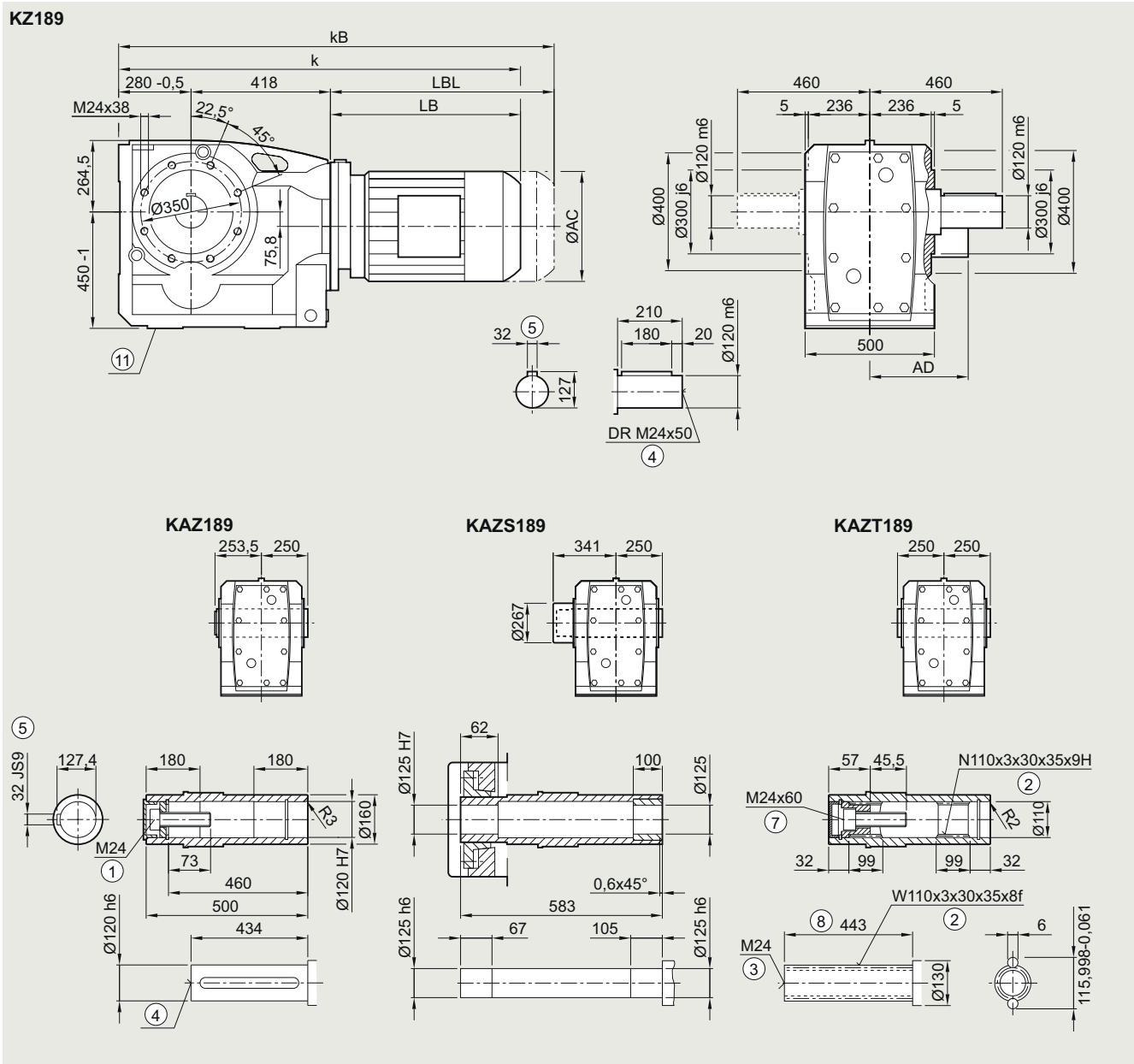
① ISO 4014 ② DIN 5480 ③ DIN 332-D ④ DIN 332 ⑤ Feather key/keyway DIN 6885-1 ⑦ ISO 4762 ⑧ Without locating shoulder +1 mm

⑨ For inner contour, see page 5/136 ⑩ Use bores only for foot-mounted design

¹⁾ AD depends on the motor options, for other dimensions, see page 9/46.

Gearbox K.Z.189 in a housing flange design

KZ030, KAZ030, KAZS030, KAZT030



| Motor | LE | | | | | | LES | | | | | | | |
|------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| | 112 | 112Z | 132 | 132Z | 160 | 160Z | 180 | 180Z | 200 | 200Z | 225 | 225Y | 250 | |
| AC | 222.0 | 222.0 | 264.0 | 264.0 | 318.0 | 318.0 | 352.5 | 352.5 | 392.5 | 392.5 | 439.0 | 439.0 | 487.0 | |
| AD ¹⁾ | 181.5 | 181.5 | 207.0 | 207.0 | 241.0 | 241.0 | 292.0 | 292.0 | 315.0 | 315.0 | 382.0 | 382.0 | 457.5 | |
| k | 1051.5 | 1076.5 | 1097.0 | 1147.0 | 1179.0 | 1239.0 | 1251.5 | 1281.5 | 1319.5 | 1344.5 | 1364.0 | 1424.0 | 1471.5 | |
| kB | 1124.5 | 1149.5 | 1201.5 | 1251.5 | 1295.0 | 1355.0 | 1380.5 | 1410.5 | 1466.5 | 1491.5 | 1592.0 | 1652.0 | 1696.5 | |
| LB | 353.5 | 378.5 | 399.0 | 449.0 | 481.0 | 541.0 | 553.5 | 583.5 | 621.5 | 646.5 | 666.0 | 726.0 | 773.5 | |
| LBL | 426.5 | 451.5 | 503.5 | 553.5 | 597.0 | 657.0 | 682.5 | 712.5 | 768.5 | 793.5 | 894.0 | 954.0 | 998.5 | |

① ISO 4014 ② DIN 5480 ③ DIN 332-D ④ DIN 332 ⑤ Feather key/keyway DIN 6885-1 ⑦ ISO 4762 ⑧ Without locating shoulder +1 mm
 ⑨ Use bores only for foot-mounted design
 1) AD depends on the motor options, for other dimensions, see page 9/46.

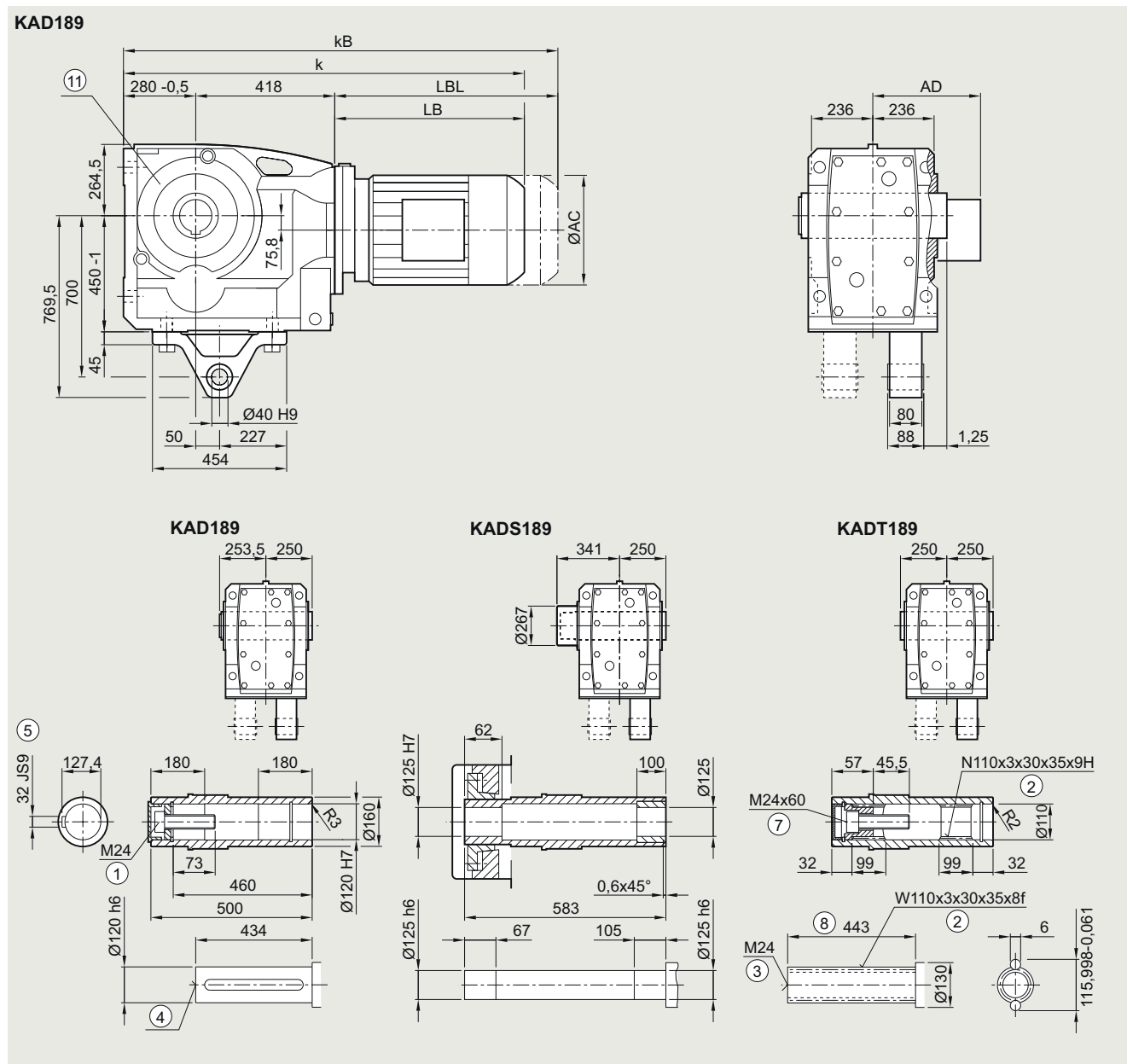
SIMOGEAR geared motors

Bevel geared motors

Dimensional drawings

Gearbox KAD.189 in a shaft-mounted design

KAD031, KADS031, KADT031

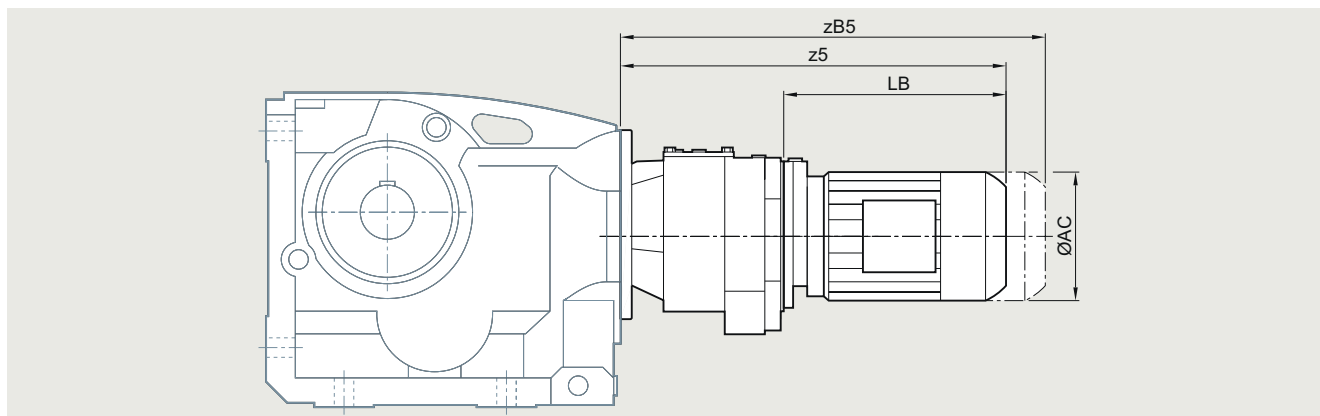


| Motor | LE | | | | | | LES | | | | | | |
|------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 112 | 112Z | 132 | 132Z | 160 | 160Z | 180 | 180Z | 200 | 200Z | 225 | 225Y | 250 |
| AC | 222.0 | 222.0 | 264.0 | 264.0 | 318.0 | 318.0 | 352.5 | 352.5 | 392.5 | 392.5 | 439.0 | 439.0 | 487.0 |
| AD ¹⁾ | 181.5 | 181.5 | 207.0 | 207.0 | 241.0 | 241.0 | 292.0 | 292.0 | 315.0 | 315.0 | 382.0 | 382.0 | 457.5 |
| k | 1051.5 | 1076.5 | 1097.0 | 1147.0 | 1179.0 | 1239.0 | 1251.5 | 1281.5 | 1319.5 | 1344.5 | 1364.0 | 1424.0 | 1471.5 |
| kB | 1124.5 | 1149.5 | 1201.5 | 1251.5 | 1295.0 | 1355.0 | 1380.5 | 1410.5 | 1466.5 | 1491.5 | 1592.0 | 1652.0 | 1696.5 |
| LB | 353.5 | 378.5 | 399.0 | 449.0 | 481.0 | 541.0 | 553.5 | 583.5 | 621.5 | 646.5 | 666.0 | 726.0 | 773.5 |
| LBL | 426.5 | 451.5 | 503.5 | 553.5 | 597.0 | 657.0 | 682.5 | 712.5 | 768.5 | 793.5 | 894.0 | 954.0 | 998.5 |

① ISO 4014 ② DIN 5480 ③ DIN 332-D ④ DIN 332 ⑤ Feather key/keyway DIN 6885-1 ⑦ ISO 4762 ⑧ Without locating shoulder +1 mm

⑩ Use bores only for housing flange design

¹⁾ AD depends on the motor options, for other dimensions, see page 9/46.

Bevel tandem geared motors


| Gearbox | Motor | AC | z5 | zB5 | LB |
|------------|--------|-------|-------|-------|-------|
| K.39-Z/D19 | LE63 | 117.8 | 331.0 | 375.5 | 160.5 |
| | LE63Z | 117.8 | 357.0 | 401.5 | 186.5 |
| | LE71 | 138.8 | 363.0 | 418.0 | 184.5 |
| | LE71Z | 138.8 | 382.0 | 437.0 | 203.5 |
| | LE71Y | 138.8 | 422.0 | 477.0 | 243.5 |
| K.49-Z/D19 | LE63 | 117.8 | 322.0 | 366.5 | 160.5 |
| | LE63Z | 117.8 | 348.0 | 392.5 | 186.5 |
| | LE71 | 138.8 | 354.0 | 409.0 | 184.5 |
| | LE71Z | 138.8 | 373.0 | 428.0 | 203.5 |
| | LE71Y | 138.8 | 413.0 | 468.0 | 243.5 |
| | LE80 | 156.3 | 410.0 | 470.0 | 240.0 |
| K.69-Z/D19 | LE63 | 117.8 | 322.0 | 366.5 | 160.5 |
| | LE63Z | 117.8 | 348.0 | 392.5 | 186.5 |
| | LE71 | 138.8 | 354.0 | 409.0 | 184.5 |
| | LE71Z | 138.8 | 373.0 | 428.0 | 203.5 |
| | LE71Y | 138.8 | 413.0 | 468.0 | 243.5 |
| | LE80 | 156.3 | 410.0 | 470.0 | 240.0 |
| K.79-Z/D19 | LE63 | 117.8 | 322.0 | 366.5 | 160.5 |
| | LE63Z | 117.8 | 348.0 | 392.5 | 186.5 |
| | LE71 | 138.8 | 354.0 | 409.0 | 184.5 |
| | LE71Z | 138.8 | 373.0 | 428.0 | 203.5 |
| | LE71Y | 138.8 | 413.0 | 468.0 | 243.5 |
| | LE80 | 156.3 | 410.0 | 470.0 | 240.0 |
| K.89-Z/D39 | LE63 | 117.8 | 373.5 | 418.0 | 194.0 |
| | LE63Z | 117.8 | 399.5 | 444.0 | 220.0 |
| | LE71 | 138.8 | 405.5 | 460.5 | 226.0 |
| | LE71Z | 138.8 | 424.5 | 479.5 | 245.0 |
| | LE71Y | 138.8 | 464.5 | 519.5 | 285.0 |
| | LE80 | 156.3 | 469.5 | 529.5 | 290.0 |
| | LE80Z | 156.3 | 504.5 | 564.5 | 325.0 |
| | LE90 | 173.8 | 531.0 | 601.0 | 351.5 |
| | LE90Z | 173.8 | 571.0 | 641.0 | 391.5 |
| | LE100 | 198.0 | 587.5 | 666.0 | 408.0 |
| | LE100Z | 198.0 | 622.5 | 701.0 | 443.0 |

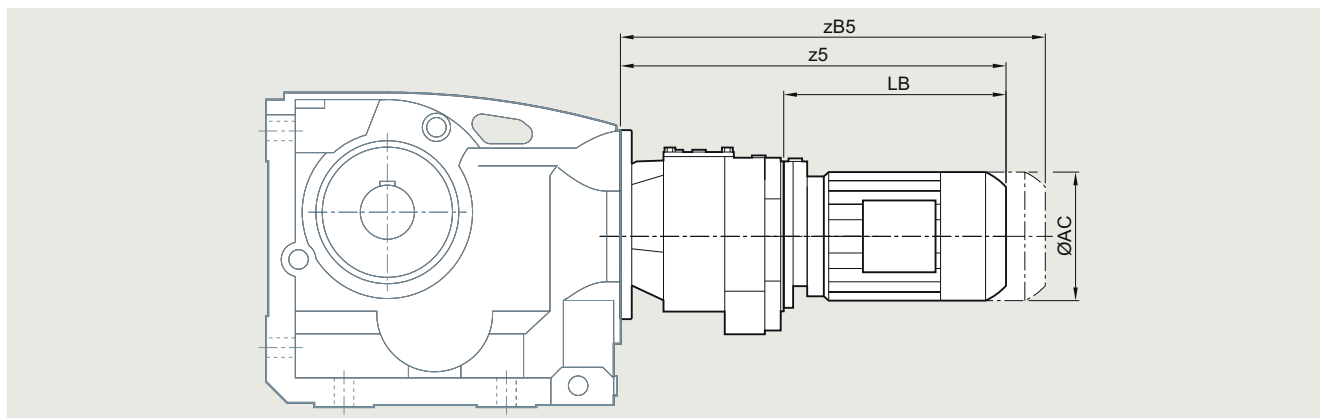
| Gearbox | Motor | AC | z5 | zB5 | LB |
|-------------|--------|-------|-------|-------|-------|
| K.109-Z/D39 | LE63 | 117.8 | 356.5 | 401.0 | 194.0 |
| | LE63Z | 117.8 | 382.5 | 427.0 | 220.0 |
| | LE71 | 138.8 | 388.5 | 443.5 | 226.0 |
| | LE71Z | 138.8 | 407.5 | 462.5 | 245.0 |
| | LE71Y | 138.8 | 447.5 | 502.5 | 285.0 |
| | LE80 | 156.3 | 452.5 | 512.5 | 290.0 |
| | LE80Z | 156.3 | 487.5 | 547.5 | 325.0 |
| | LE90 | 173.8 | 514.0 | 584.0 | 351.5 |
| | LE90Z | 173.8 | 554.0 | 624.0 | 391.5 |
| | LE100 | 198.0 | 570.5 | 649.0 | 408.0 |
| K.129-Z/D39 | LE63 | 117.8 | 347.5 | 392.0 | 194.0 |
| | LE63Z | 117.8 | 373.5 | 418.0 | 220.0 |
| | LE71 | 138.8 | 379.5 | 434.5 | 226.0 |
| | LE71Z | 138.8 | 398.5 | 453.5 | 245.0 |
| | LE71Y | 138.8 | 438.5 | 493.5 | 285.0 |
| | LE80 | 156.3 | 443.5 | 503.5 | 290.0 |
| | LE80Z | 156.3 | 478.5 | 538.5 | 325.0 |
| | LE90 | 173.8 | 505.0 | 575.0 | 351.5 |
| | LE90Z | 173.8 | 545.0 | 615.0 | 391.5 |
| | LE100 | 198.0 | 561.5 | 640.0 | 408.0 |
| K.149-Z/D49 | LE63 | 117.8 | 376.5 | 421.0 | 184.5 |
| | LE63Z | 117.8 | 402.5 | 447.0 | 210.5 |
| | LE71 | 138.8 | 408.5 | 463.5 | 216.5 |
| | LE71Z | 138.8 | 427.5 | 482.5 | 235.5 |
| | LE71Y | 138.8 | 467.5 | 522.5 | 275.5 |
| | LE80 | 156.3 | 472.5 | 532.5 | 280.5 |
| | LE80Z | 156.3 | 507.5 | 567.5 | 315.5 |
| | LE90 | 173.8 | 534.0 | 604.0 | 342.0 |
| | LE90Z | 173.8 | 574.0 | 644.0 | 382.0 |
| | LE100 | 198.0 | 590.5 | 669.0 | 398.5 |
| | LE100Z | 198.0 | 625.5 | 704.0 | 433.5 |
| | LE112 | 222.0 | 600.5 | 673.5 | 408.5 |
| LE112Z | 222.0 | 635.0 | 708.0 | 443.0 | |
| LE132 | 264.0 | 653.5 | 758.0 | 461.5 | |
| LE132Z | 264.0 | 703.5 | 808.0 | 511.5 | |

SIMOGEAR geared motors

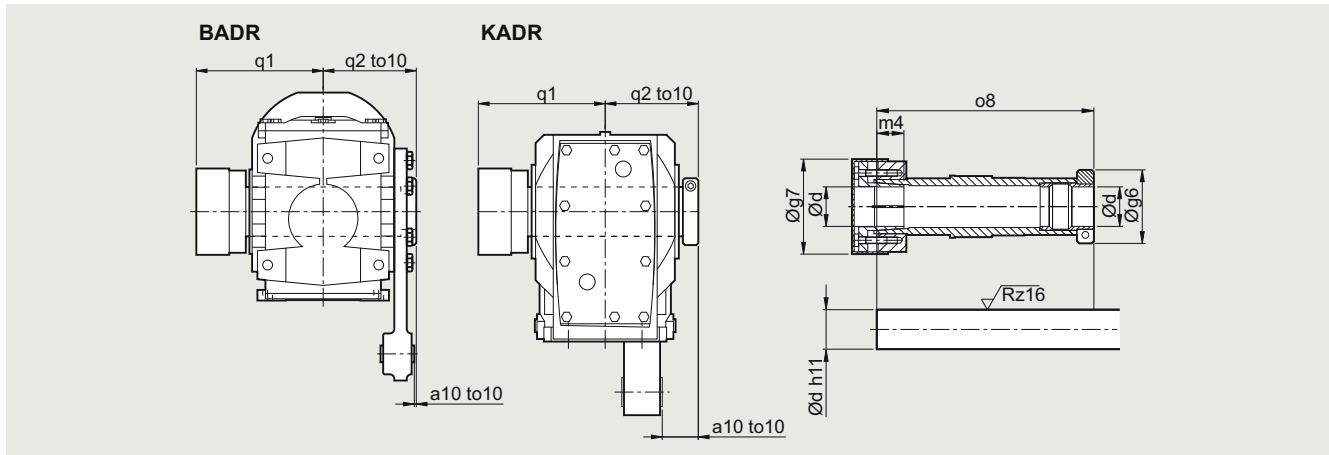
Bevel geared motors

Dimensional drawings

Bevel tandem geared motors



| Gearbox | Motor | AC | z5 | zB5 | LB |
|-------------|--------|-------|-------|-------|-------|
| K.169-Z/D49 | LE63 | 117.8 | 366.0 | 410.5 | 184.5 |
| | LE63Z | 117.8 | 392.0 | 436.5 | 210.5 |
| | LE71 | 138.8 | 398.0 | 453.0 | 216.5 |
| | LE71Z | 138.8 | 417.5 | 472.5 | 235.5 |
| | LE71Y | 138.8 | 457.5 | 512.5 | 275.5 |
| | LE80 | 156.3 | 462.0 | 522.0 | 280.5 |
| | LE80Z | 156.3 | 497.0 | 557.0 | 315.5 |
| | LE90 | 173.8 | 523.5 | 593.5 | 342.0 |
| | LE90Z | 173.8 | 563.5 | 633.5 | 382.0 |
| | LE100 | 198.0 | 580.0 | 658.5 | 398.5 |
| | LE100Z | 198.0 | 615.0 | 693.5 | 433.5 |
| | LE112 | 222.0 | 590.0 | 663.0 | 408.5 |
| | LE112Z | 222.0 | 624.5 | 697.5 | 443.0 |
| | LE132 | 264.0 | 643.0 | 747.5 | 461.5 |
| LE132Z | 264.0 | 693.0 | 797.5 | 511.5 | |
| K.189-Z/D69 | LE63 | 117.8 | 391.5 | 436.0 | 184.5 |
| | LE63Z | 117.8 | 417.5 | 462.0 | 210.5 |
| | LE71 | 138.8 | 423.5 | 478.5 | 216.5 |
| | LE71Z | 138.8 | 442.5 | 497.5 | 235.5 |
| | LE71Y | 138.8 | 482.5 | 537.5 | 275.5 |
| | LE80 | 156.3 | 487.5 | 547.5 | 280.5 |
| | LE80Z | 156.3 | 522.5 | 582.5 | 315.5 |
| | LE90 | 173.8 | 549.0 | 619.0 | 342.0 |
| | LE90Z | 173.8 | 589.0 | 659.0 | 382.0 |
| | LE100 | 198.0 | 605.5 | 684.0 | 398.5 |
| | LE100Z | 198.0 | 640.5 | 719.0 | 433.5 |
| | LE112 | 222.0 | 615.5 | 688.5 | 408.5 |
| | LE112Z | 222.0 | 650.0 | 723.0 | 443.0 |
| | LE132 | 264.0 | 668.5 | 773.0 | 461.5 |
| LE132Z | 264.0 | 718.5 | 823.0 | 511.5 | |

SIMOLOC assembly system


Note mounting tolerance to10 when positioning the torque arm.

| d | g6 | g7 | m4 | o8 | q1 | q2 | a10 | to10 |
|---------------|------|----|------|-------|-----|-----|------|------|
| BADR29 | | | | | | | | |
| 25 | 58.5 | 56 | 18.5 | 151 | 102 | 75 | 11 | +2.1 |
| 20 | | | | | | | | +0.6 |
| 1" | | | | | | | | |
| 0.75" | | | | | | | | |
| BADR39 | | | | | | | | |
| 30 | 62.0 | 76 | 22 | 180.5 | 116 | 85 | 2.5 | +2.2 |
| 25 | | | | | | | | +0.7 |
| 1.25" | | | | | | | | |
| 1.1875" | | | | | | | | |
| 1" | | | | | | | | |
| BADR49 | | | | | | | | |
| 35 | 65.0 | 84 | 24 | 210.0 | 134 | 100 | -2.5 | +2.6 |
| 30 | | | | | | | | +0.8 |
| 1.375" | | | | | | | | |
| 1.4375" | | | | | | | | |
| 1.25" | | | | | | | | |
| 1.1875" | | | | | | | | |
| 40 | 79.5 | 94 | 30 | 220 | 140 | 104 | 1.5 | |
| 1.625" | | | | | | | | |
| KADR39 | | | | | | | | |
| 30 | 62.0 | 76 | 22 | 160.5 | 106 | 75 | 39 | +2.2 |
| 25 | | | | | | | | +0.7 |
| 1.25" | | | | | | | | |
| 1.1875" | | | | | | | | |
| 1" | | | | | | | | |
| KADR49 | | | | | | | | |
| 35 | 65.0 | 84 | 24 | 192.0 | 124 | 90 | 41 | +2.6 |
| 30 | | | | | | | | +0.8 |
| 1.375" | | | | | | | | |
| 1.4375" | | | | | | | | |
| 1.25" | | | | | | | | |
| 1.1875" | | | | | | | | |

SIMOGEAR geared motors

Bevel geared motors

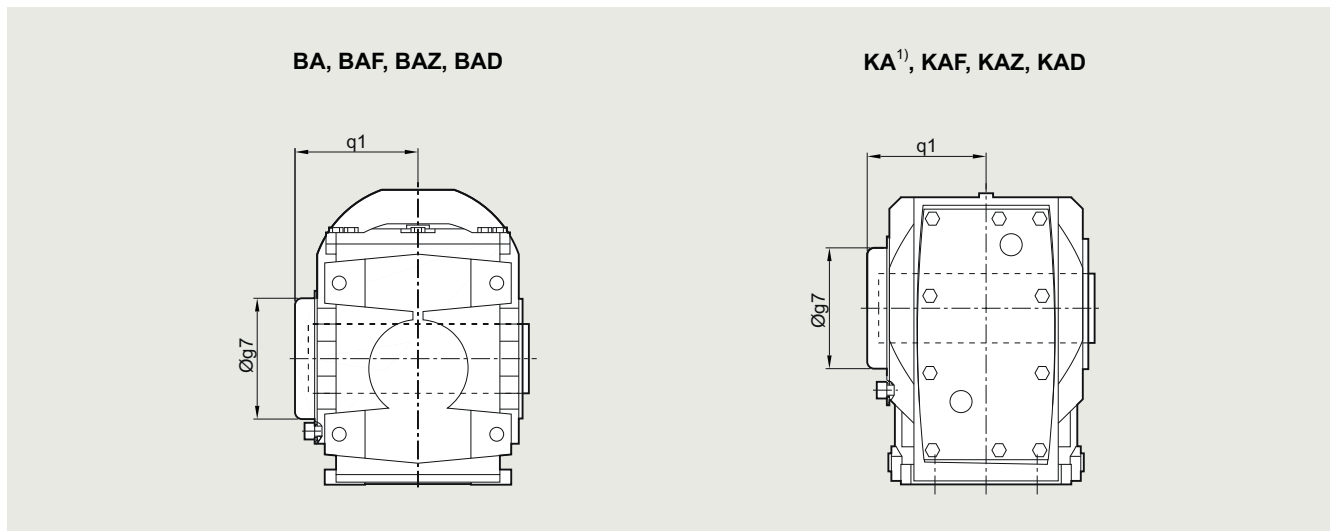
Dimensional drawings

SIMOLOC assembly system

| d | g6 | g7 | m4 | o8 | q1 | q2 | a10 | to10 |
|---------------|------|-----|----|-------|-----|-----|-----|------|
| KADR69 | | | | | | | | |
| 40 | 79.5 | 94 | 30 | 217.5 | 138 | 102 | 39 | +2.5 |
| 35 | | | | | | | | +0.7 |
| 1.5" | | | | | | | | |
| 1.625" | | | | | | | | |
| 1.4375" | | | | | | | | |
| 1.375" | | | | | | | | |
| KADR79 | | | | | | | | |
| 40 | 79.5 | 94 | 30 | 232.0 | 150 | 109 | 46 | +3.2 |
| 35 | | | | | | | | +1.4 |
| 1.5" | | | | | | | | |
| 1.625" | | | | | | | | |
| 1.4375" | | | | | | | | |
| 1.375" | | | | | | | | |
| KADR89 | | | | | | | | |
| 50 | 89.0 | 114 | 32 | 264.0 | 171 | 124 | 45 | +3.4 |
| 40 | | | | | | | | +1.5 |
| 2" | | | | | | | | |
| 1.9375" | | | | | | | | |
| 1.75" | | | | | | | | |
| 1.625" | | | | | | | | |

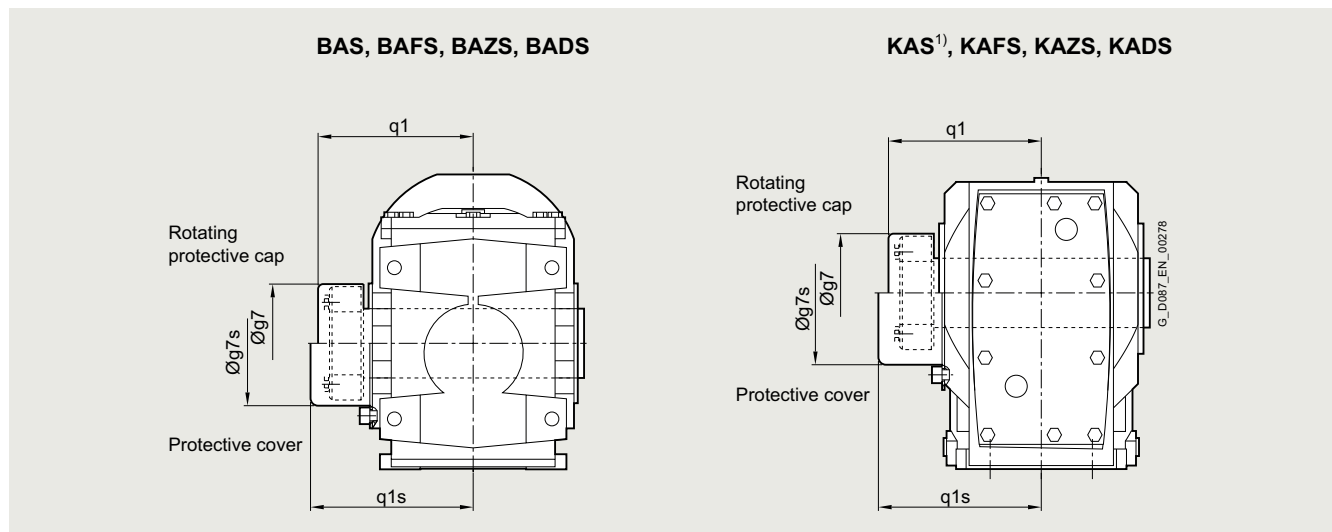
Protective covers

Protective cover for hollow shaft



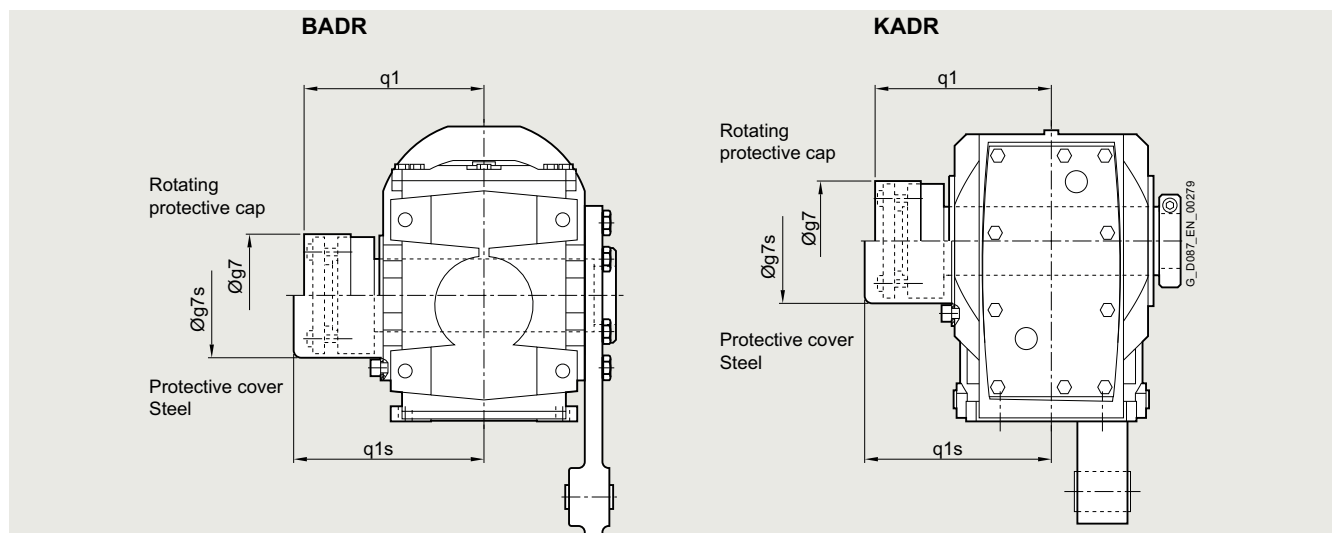
¹⁾ KA/KAS version valid only for gearbox sizes 169 and 189

| Gearbox type | BA.19 | BA.29 | BA.39 | BA.49 | KA.39 | KA.49 | KA.69 | KA.79 | KA.89 | KA.109 | KA.129 | KA.149 | KA.169 | KA.189 |
|-------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| Protective cover | | | | | | | | | | | | | | |
| g7 | 82.0 | 67.0 | 80.0 | 80.0 | 82.5 | 80.0 | 99.0 | 99.0 | 137.0 | 187.0 | 187.0 | 218.0 | 257.5 | 309.5 |
| q1 | 57.5 | 76.0 | 96.0 | 111.0 | 73.0 | 105.0 | 95.0 | 101.5 | 124.5 | 168.0 | 198.0 | 250.0 | 313.0 | 373.5 |

Protective covers
Protective cover for hollow shaft with shrink disk


¹) KA/KAS version valid only for gearbox sizes 169 and 189

| Gearbox type | BA..29 | BA..39 | BA..49 | KA..39 | KA..49 | KA..69 | KA..79 | KA..89 | KA..109 | KA..129 | KA..149 | KA..169 | KA..189 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|---------|
| Rotating protective cap with shrink disk version | | | | | | | | | | | | | |
| g7 | 55 | 84 | 84 | 76.0 | 84 | 84 | 94.0 | 119.0 | 142.0 | 159.0 | 201.0 | 234.0 | 267.0 |
| q1 | 85 | 102 | 117 | 89.5 | 107 | 115 | 125.5 | 142.5 | 162.5 | 198.5 | 233.5 | 291.0 | 343.5 |
| Protective cover | | | | | | | | | | | | | |
| g7s | 58 | 86 | 86 | 82.5 | 86 | 99 | 99.0 | 137.0 | 187.0 | 187.0 | 218.0 | 257.5 | 309.5 |
| q1s | 91 | 119 | 134 | 109.0 | 122 | 126 | 132.5 | 176.5 | 195.0 | 225.0 | 250.0 | 313.0 | 373.5 |

Protective cover for hollow shaft with SIMOLOC assembly system


| Gearbox type | BADR29 | BADR39 | BADR49 | KADR39 | KADR49 | KADR69 | KADR79 | KADR89 |
|--------------------------------|--------|--------|-----------|--------|--------|--------|--------|--------|
| Rotating protective cap | | | | | | | | |
| g7 | 56 | 76 | 84 (94) | 76 | 84 | 94 | 94 | 114 |
| q1 | 102 | 116 | 134 (140) | 106 | 124 | 138 | 150 | 171 |
| Protective cover | | | | | | | | |
| g7s | 58 | 86.0 | 86 | 82.5 | 86 | 99 | 99 | 137 |
| q1s | 102 | 119.0 | 138 | 109 | 126 | 145 | 151.5 | 176.5 |

() Dimensions in bracket: Hollow shaft d=40 and d=1.625" (can only be selected with rotating protective cap)

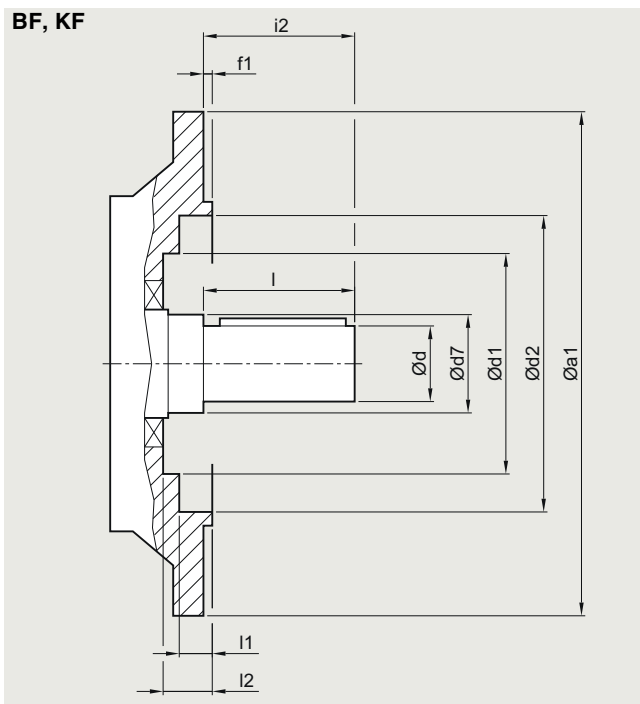
SIMOGEAR geared motors

Bevel geared motors

Dimensional drawings

Inner contour of the flange-mounted design

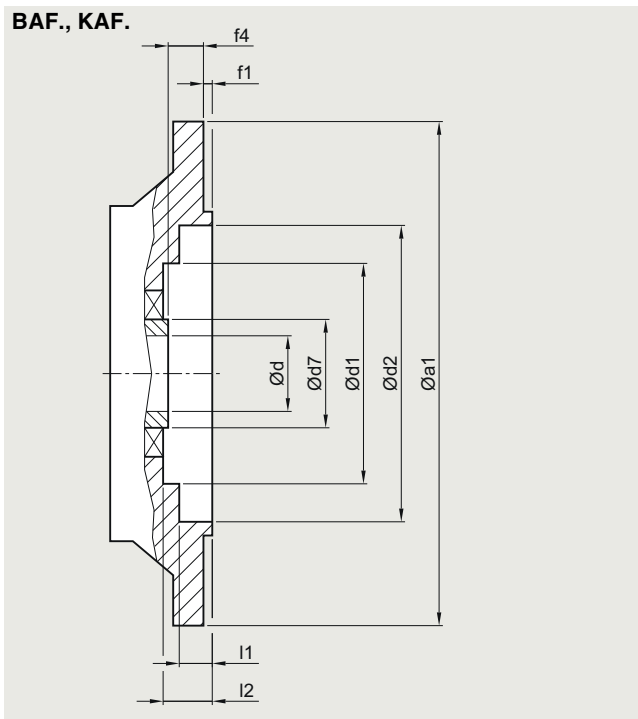
Notes regarding the design of the customer's interface for the solid shaft design



| Gearbox type | a1 | d | d7 | d1 | d2 | f1 | i2 | l | l1 | l2 |
|--------------|-----|-----|-----|-----|-----|-------|-----|------|------|------|
| BF19 | 120 | 20 | 30 | 60 | 68 | 3.0 | 40 | 40 | 23.5 | 29.5 |
| BF29 | 120 | 20 | 40 | – | 70 | 3.0 | 40 | 40 | 24.0 | – |
| | 160 | 20 | 40 | 70 | 101 | 3.5 | 40 | 40 | 8.5 | 24.5 |
| BF39 | 160 | 30 | 55 | 93 | 100 | 3.5 | 60 | 60 | 11.0 | 31.5 |
| | 200 | 30 | 55 | 93 | 119 | 3.5 | 60 | 60 | 16.0 | 31.5 |
| BF49 | 200 | 35 | 55 | 93 | 119 | 3.5 | 70 | 70 | 16.0 | 31.5 |
| KF39 | 160 | 25 | 30 | – | 100 | 3.5 | 50 | 50 | 5.0 | – |
| | 35 | 45 | 80 | 102 | 3.5 | 46 | 70 | 2.0 | 29.5 | – |
| KF49 | 200 | 30 | 35 | – | 118 | 3.5 | 60 | 60 | 5.5 | – |
| | 40 | 50 | 90 | 120 | 3.5 | 55 | 80 | 4.0 | 30.5 | – |
| KF69 | 250 | 35 | 45 | – | 165 | 4.0 | 70 | 70 | 6.5 | – |
| KF79 | 250 | 40 | 55 | – | 165 | 4.0 | 80 | 80 | 6.5 | – |
| | 50 | 55 | 104 | 165 | 4.0 | 77 | 100 | 2.0 | 29.5 | – |
| KF89 | 300 | 50 | 55 | – | 165 | 4.0 | 100 | 100 | 8.0 | – |
| KF109 | 350 | 60 | 65 | – | 235 | 5.0 | 120 | 120 | 9.0 | – |
| | 80 | 85 | 184 | 210 | 5.0 | 134 | 170 | 13.0 | 45.0 | – |
| KF129 | 450 | 70 | 75 | – | 336 | 5.0 | 140 | 140 | 9.0 | – |
| | 90 | 95 | 184 | 336 | 5.0 | 128.5 | 170 | 16.5 | 48.5 | – |
| KF149 | 450 | 90 | 100 | – | 336 | 5.0 | 170 | 170 | 10.0 | – |
| | 100 | 120 | 214 | 330 | 5.0 | 169 | 210 | 10.5 | 50.0 | – |
| KF169 | 550 | 110 | 120 | – | 427 | 5.0 | 210 | 210 | 10.0 | – |
| | 120 | 140 | 254 | 426 | 5.0 | 162 | 210 | 14.5 | 56.0 | – |
| KF189 | 660 | 120 | 160 | – | 517 | 6.0 | 210 | 210 | 11.0 | – |
| | 140 | 160 | 306 | 518 | 6.0 | 190 | 250 | 6.0 | 62.0 | – |

With VLplus reinforced bearing system (G30)

| | | | | | | | | | | |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|------|----|
| KF89 | 300 | 60 | 70 | 143 | 218 | 4.0 | 120 | 120 | 1.5 | 8 |
| KF109 | 350 | 70 | 85 | 190 | 234 | 5.0 | 140 | 140 | 2.0 | 4 |
| KF129 | 450 | 90 | 95 | – | 336 | 5.0 | 170 | 170 | 16.5 | – |
| KF149 | 450 | 100 | 120 | 225 | 336 | 5.0 | 210 | 210 | 10.5 | 11 |
| KF169 | 550 | 120 | 140 | – | 426 | 5.0 | 210 | 210 | 19.5 | – |

Inner contour of the flange-mounted design
Notes regarding the design of the customer's interface for the hollow shaft design


| Gearbox type | a1 | d | d7 | d1 | d2 | f1 | f4 | l1 | l2 |
|--|-----|-----|-----|-----|-----|-----|------|------|------|
| BAF.19 | 120 | 20 | 30 | 60 | 68 | 3.0 | 30.0 | 23.5 | 29.5 |
| BAF.29 | 120 | 20 | 40 | – | 70 | 3.0 | 20.0 | 24.0 | – |
| | | 25 | | | | | | | |
| BAF.39 | 160 | 20 | 40 | 70 | 101 | 3.5 | 20.0 | 8.5 | 24.5 |
| | | 25 | | | | | | | |
| | | 30 | 55 | 93 | 100 | 3.5 | 27.0 | 11.0 | 31.5 |
| BAF.39 | 200 | 30 | 55 | 93 | 119 | 3.5 | 27.0 | 16.0 | 31.5 |
| | | 35 | | | | | | | |
| | | 40 | | | | | | | |
| BAF.49 | 200 | 35 | 55 | 93 | 119 | 3.5 | 27.0 | 16.0 | 31.5 |
| | | 40 | | | | | | | |
| KAF.39 | 160 | 25 | 45 | 80 | 102 | 3.5 | 24.0 | 2.0 | 29.5 |
| | | 30 | | | | | | | |
| KAF.49 | 200 | 30 | 50 | 90 | 120 | 3.5 | 25.0 | 4.0 | 30.5 |
| | | 35 | | | | | | | |
| KAF.69 | 250 | 40 | 55 | 104 | 165 | 4.0 | 23.5 | 2.0 | 29.5 |
| KAF.79 | 250 | 40 | 55 | 104 | 165 | 4.0 | 23.0 | 2.0 | 29.5 |
| KAF.89 | 300 | 50 | 70 | 135 | 215 | 4.0 | 37.0 | 2.0 | 44.5 |
| KAF.109 | 350 | 60 | 85 | 184 | 210 | 5.0 | 36.0 | 13.0 | 45.0 |
| | | 70 | 90 | | | | | | |
| KAF.129 | 450 | 70 | 95 | 184 | 336 | 5.0 | 41.5 | 16.5 | 48.5 |
| KAF.149 | 450 | 80 | 120 | 214 | 330 | 5.0 | 41.0 | 40.0 | 50.0 |
| | | 90 | | | | | | | |
| KAF.169 | 550 | 100 | 140 | 254 | 426 | 5.0 | 56.0 | 14.5 | 56.0 |
| | | 110 | | | | | | | |
| KAF.189 | 660 | 120 | 160 | 306 | 518 | 6.0 | 66.0 | 6.0 | 62.0 |
| With VLplus reinforced bearing system (G30) | | | | | | | | | |
| KAF.89 | 300 | 50 | 70 | 143 | 218 | 4.0 | 0 | 1.5 | 8 |
| KAF.109 | 350 | 60 | 85 | 190 | 234 | 5.0 | 0 | 2.0 | 4 |
| KAF.129 | 450 | 70 | 95 | – | 336 | 5.0 | 0 | 16.5 | – |
| KAF.149 | 450 | 90 | 120 | 225 | 330 | 5.0 | 0 | 10.5 | 11 |
| KAF.169 | 550 | 100 | 140 | – | 426 | 5.0 | 0 | 14.5 | – |

SIMOGEAR geared motors

Notes

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