

BK-series bevel-gear motors Selection

155-188

Description of bevel-gear units

- Sizes
 - Bauer service factors (f_B) for bevel-gear motors
 - Continuous operation without switching frequency $Z \leq 1/h$
 - Switching duty
 - Bauer service factor
 - Explanation of shock classification
 - Key to abbreviations
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Sizes

Bauer BK-series bevel-gear motors are normally supplied in ten frame sizes and with torques of 80 to 18,500 Nm. Higher torques are available on request. The gear unit is accommodated in a sturdy cast housing

Bauer service factors (f_B) for bevel-gear motors

Of the numerous factors influencing the total loading of a gear unit, the most important include:

- Mean torque (rated torque)
- Daily operating hours
- Severity of torque peaks (shock classification)
- Frequency of torque peaks (switching duty)

These factors can be represented in a simplified and practical manner by **service factors**. The tables and explanations below attempt to provide an objective description of the **shock classification**, rather than a classification of the driven machinery. Experience has shown that, in addition to the torque shocks caused by the driven machinery (M_x/M_N), above all the power transmission components (clutches, chains etc.) plus the mass ratios play a decisive role in this.

See Bauer special imprint SD32 for more information.

Continuous operation without switching frequency $Z \leq 1/h$

Factor f_1 for shock classification and operating time

| Shock classification | Operating hours per day t_d | >4 h | >8 h | >16 h |
|----------------------|-------------------------------|------------|-------------|-------------|
| | | ≤ 8 h | ≤ 16 h | ≤ 24 h |
| I | | 0,8 | 1,0 | 1,2 |
| II | | 1,05 | 1,25 | 1,45 |
| III | | 1,45 | 1,55 | 1,7 |

Switching duty

Factor f_2 for shock classification and switching frequency

Switching frequency in single- shift operation $t_d \leq 8$ h/d

| Shock classification | $1 < Z \leq 100$ | $100 < Z \leq 1000$ | $1000 < Z$ |
|----------------------|------------------|---------------------|------------|
| I | 0,95 | 1,1 | 1,15 |
| II | 1,2 | 1,35 | 1,4 |
| III | 1,55 | 1,6 | 1,6 |

Switching frequency in multiple- shift operation $t_d > 8$ h/d

| Shock classification | $1 < Z \leq 100$ | $100 < Z \leq 1000$ | $1000 < Z$ |
|----------------------|------------------|---------------------|------------|
| I | 1,3 | 1,45 | 1,5 |
| II | 1,5 | 1,6 | 1,65 |
| III | 1,75 | 1,8 | 1,8 |

Bauer Service factor

Bauer service factor $f_B = f_1$ or $f_B = f_2$

For example: Shock classification II for $Z = 100$ switching operations per hour and multiple-shift operation yields a service factor $f_B = f_2 = 1,5$

Explanation of shock classification

Shock classification I:

Uniform without shock loads. All the following requirements must be satisfied:

- $FI \leq 1,3$

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Description of bevel-gear units

- $M_x/M_N \leq 1,0$
- Shock-absorbing power transmission components (e.g. highly resilient, zero-play coupling, $\varphi_N \geq 5^\circ$)

Shock classification II:

Moderate shock loads. At least one of the following conditions applies:

- $1,3 < FI \leq 4$
- $1 < M_x/M_N \leq 1,6$
- Shock-neutral power transmission components (e.g. gear wheels, zero-play rigid coupling or resilient coupling with $\varphi_N < 5^\circ$)

Shock classification III:

Heavy shock loads. At least one of the following conditions applies:

- $FI > 4$
- $1,6 < M_x/M_N \leq 2,0$
- Shock-amplifying power transmission components (e.g. coupling with play or chain drive)

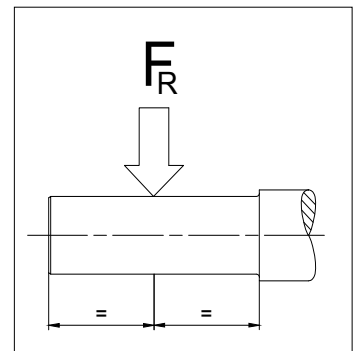
Key to abbreviations

| | |
|-------------|--|
| Z | Switching duty number of switching operations per hour |
| t_d | Daily operating time in hours (h/d) |
| FI | Factor of inertia $FI = (J_{ext} + J_{rot})/J_{rot}$ |
| J_{ext} | Mass moment of inertia of the machine to be driven, in relation to the motor's rotor shaft (kgm^2) |
| J_{rot} | Mass moment of inertia of the motor rotor (kgm^2) |
| M_x | Highest impact torque above the static torque which can occur during normal operation or in emergency situations |
| M_N | Required static load torque for the application |
| M_x/M_N | Relative torque - Factor |
| φ_N | Torsional offset of the resilient coupling under rated torque |

Selection tables, bevel-gear motors

Key to abbreviations

| | |
|----------|---|
| P | Rated output |
| n_2 | Rated speed of the output shaft |
| i | Gear reduction ratio |
| M_2 | Rated torque at the output shaft |
| f_B | Bauer service factor |
| F_{RN} | Maximum permissible radial force with normal bearings |
| F_{RV} | Maximum permissible radial force with reinforced bearings in each case with standard solid shaft (Code -.1 and -.2) |

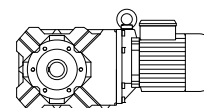


Use the selection tables to determine the size of geared motor required. The codes clearly define the Type of gear unit and output shaft (see chapter 12 "dimensional drawing bevel-gear motors").

Motor power overload protection

Motor-power ratings, particularly in conjunction with four-stage and multi-stage gear units, are more than ample in some instances. Consequently, and in much the same way as with low-power motors, rated current is not a measure of gear loading and cannot be used to protect the gear unit against overloading. It is advisable to provide gears at risk from excessive load or blockage with a protective mechanism (e. g., slip clutch, slip hub, shear pin or an alternative)

P = 0.12 kW



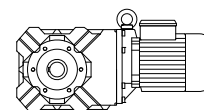
| 50 Hz | | | i | Type | m | F _{RN} | F _{RV} | 60 Hz | | |
|-------------------------|----------------------|----------------|-------|---------------------|-----|-----------------|-----------------|-------------------------|----------------------|----------------|
| n ₂ 1/min | M ₂ Nm | f _B | | | | | | n ₂ 1/min | M ₂ Nm | f _B |
| 119 | 8.8 | 9.1 | 11.67 | BK06-../DPE05LA4 | 9.5 | 930 | - | 144 | 7.3 | 11 |
| 91 | 11.4 | 7.0 | 15.29 | BK06-../DPE05LA4 | 9.5 | 1020 | - | 110 | 9.4 | 8.5 |
| 77 | 13.3 | 6.0 | 18.00 | BK06-../DPE05LA4 | 9.5 | 1080 | - | 93 | 11 | 7.3 |
| 65 | 15.8 | 5.1 | 21.54 | BK06-../DPE05LA4 | 9.5 | 1150 | - | 78 | 13.2 | 6.1 |
| 53 | 19.4 | 4.1 | 26.36 | BK06-../DPE05LA4 | 9.5 | 1230 | - | 64 | 16.1 | 5.0 |
| 41.5 | 24.5 | 3.3 | 33.33 | BK06-../DPE05LA4 | 9.5 | 1320 | - | 51 | 20 | 4.0 |
| 36.5 | 28 | 2.9 | 38.18 | BK06-../DPE05LA4 | 9.5 | 1380 | - | 44 | 23 | 3.5 |
| 29 | 35 | 2.3 | 47.78 | BK06-../DPE05LA4 | 9.5 | 1500 | - | 35 | 29 | 2.8 |
| 25.5 | 39.5 | 1.7 | 54.38 | BK06-../DPE05LA4 | 9.5 | 1600 | - | 31 | 32.5 | 2.1 |
| 22 | 46 | 1.4 | 63.33 | BK06-../DPE05LA4 | 9.5 | 1700 | - | 26.5 | 38 | 1.65 |
| 15.5 | 64 | 2.8 | 89.30 | BK10-../DPE06LA4 | 23 | 7000 | - | 19 | 52 | 3.4 |
| 13.5 | 72 | 2.2 | 102.5 | BK10-../DPE06LA4 | 23 | 7000 | - | 16.5 | 59 | 2.7 |
| 11.5 | 84 | 1.65 | 120.3 | BK10Z-../DPE06LA4 | 24 | 7000 | - | 14 | 69 | 2.0 |
| 9.7 | 99 | 1.65 | 143.2 | BK10Z-../DPE06LA4 | 24 | 7000 | - | 12 | 80 | 2.0 |
| 8.1 | 117 | 1.7 | 170.6 | BK10Z-../DPE06LA4 | 24 | 7000 | - | 9.8 | 97 | 2.1 |
| 6.8 | 138 | 1.45 | 204.7 | BK10Z-../DPE06LA4 | 24 | 7000 | - | 8.2 | 114 | 1.75 |
| 5.4 | 174 | 1.15 | 257.9 | BK10Z-../DPE06LA4 | 24 | 7000 | - | 6.5 | 144 | 1.4 |
| 4.6 | 200 | 0.92 | 302.4 | BK10Z-../DPE06LA4 | 24 | 7000 | - | 5.6 | 165 | 1.1 |
| 4.1 | 205 | 1.05 | 343.2 | BK10G06-../DPE06LA4 | 28 | 7000 | - | 4.9 | 169 | 1.3 |
| 3.4 | 245 | 0.9 | 410.8 | BK10G06-../DPE06LA4 | 28 | 7000 | - | 4.1 | 200 | 1.1 |
| 3.1 | 270 | 0.81 | 459.2 | BK10G06-../DPE06LA4 | 28 | 7000 | - | 3.7 | 225 | 0.98 |
| 2.8 | 220* | 1.0 | 501.4 | BK10G06-../DPE06LA4 | 28 | 7000 | - | 3.4 | 220 | 1.0 |
| 2.5 | 220* | 1.0 | 552.3 | BK10G06-../DPE06LA4 | 28 | 7000 | - | 3.1 | 220 | 1.0 |
| 2.2 | 220* | 1.0 | 635.5 | BK10G06-../DPE06LA4 | 28 | 7000 | - | 2.7 | 220 | 1.0 |
| 1.8 | 220* | 1.0 | 789.7 | BK10G06-../DPE06LA4 | 28 | 7000 | - | 2.2 | 220 | 1.0 |
| 1.5 | 220* | 1.0 | 929.3 | BK10G06-../DPE06LA4 | 28 | 7000 | - | 1.8 | 220 | 1.0 |
| 1.3 | 220* | 1.0 | 1112 | BK10G06-../DPE06LA4 | 28 | 7000 | - | 1.6 | 220 | 1.0 |
| 1.1 | 220* | 1.0 | 1361 | BK10G06-../DPE06LA4 | 28 | 7000 | - | 1.3 | 220 | 1.0 |
| 0.9 | 220* | 1.0 | 1577 | BK10G06-../DPE06LA4 | 28 | 7000 | - | 1.1 | 220 | 1.0 |
| 0.75 | 220* | 1.0 | 1971 | BK10G06-../DPE06LA4 | 28 | 7000 | - | 0.85 | 220 | 1.0 |
| 0.65 | 220* | 1.0 | 2261 | BK10G06-../DPE06LA4 | 28 | 7000 | - | 0.75 | 220 | 1.0 |
| 0.6 | 220* | 1.0 | 2467 | BK10G06-../DPE06LA4 | 28 | 7000 | - | 0.7 | 220 | 1.0 |
| 0.49 | 220* | 1.0 | 2849 | BK10G06-../DPE06LA4 | 28 | 7000 | - | 0.6 | 220 | 1.0 |
| 0.45 | 220* | 1.0 | 3107 | BK10G06-../DPE06LA4 | 28 | 7000 | - | 0.55 | 220 | 1.0 |
| 0.4 | 220* | 1.0 | 3537 | BK10G06-../DPE06LA4 | 28 | 7000 | - | 0.48 | 220 | 1.0 |
| 0.34 | 220* | 1.0 | 4120 | BK10G06-../DPE06LA4 | 28 | 7000 | - | 0.41 | 220 | 1.0 |
| 9.6 | 100 | 3.3 | 144.5 | BK20Z-../DPE06LA4 | 34 | 8700 | 9000 | 12 | 80 | 4.1 |
| 8.0 | 118 | 2.8 | 173.4 | BK20Z-../DPE06LA4 | 34 | 8700 | 9000 | 9.7 | 98 | 3.4 |
| 6.7 | 140 | 2.4 | 207.5 | BK20Z-../DPE06LA4 | 34 | 8700 | 9000 | 8.1 | 116 | 2.8 |
| 5.4 | 174 | 1.9 | 259.9 | BK20Z-../DPE06LA4 | 34 | 8700 | 9000 | 6.5 | 144 | 2.3 |
| 4.7 | 197 | 1.6 | 298.2 | BK20Z-../DPE06LA4 | 34 | 8700 | 9000 | 5.7 | 162 | 1.95 |
| 3.8 | 240 | 1.2 | 367.7 | BK20Z-../DPE06LA4 | 34 | 8700 | 9000 | 4.6 | 199 | 1.45 |
| 3.3 | 255 | 1.4 | 429.7 | BK20G06-../DPE06LA4 | 38 | 8700 | 9000 | 3.9 | 210 | 1.7 |
| 2.9 | 290 | 1.25 | 480.4 | BK20G06-../DPE06LA4 | 38 | 8700 | 9000 | 3.5 | 235 | 1.55 |
| 2.7 | 310 | 1.15 | 524.5 | BK20G06-../DPE06LA4 | 38 | 8700 | 9000 | 3.2 | 260 | 1.4 |
| 2.2 | 380 | 0.95 | 630.0 | BK20G06-../DPE06LA4 | 38 | 8700 | 9000 | 2.7 | 310 | 1.15 |
| 1.9 | 445 | 0.81 | 757.0 | BK20G06-../DPE06LA4 | 38 | 8700 | 9000 | 2.3 | 365 | 0.99 |
| 1.6 | 360* | 1.0 | 891.2 | BK20G06-../DPE06LA4 | 38 | 8700 | 9000 | 1.9 | 360 | 1.0 |
| 1.3 | 360* | 1.0 | 1066 | BK20G06-../DPE06LA4 | 38 | 8700 | 9000 | 1.6 | 360 | 1.0 |
| 1.1 | 360* | 1.0 | 1305 | BK20G06-../DPE06LA4 | 38 | 8700 | 9000 | 1.3 | 360 | 1.0 |
| 1.0 | 360* | 1.0 | 1424 | BK20G06-../DPE06LA4 | 38 | 8700 | 9000 | 1.2 | 360 | 1.0 |
| 0.85 | 360* | 1.0 | 1650 | BK20G06-../DPE06LA4 | 38 | 8700 | 9000 | 1.1 | 360 | 1.0 |
| 0.7 | 360* | 1.0 | 2062 | BK20G06-../DPE06LA4 | 38 | 8700 | 9000 | 0.85 | 360 | 1.0 |
| 0.6 | 360* | 1.0 | 2366 | BK20G06-../DPE06LA4 | 38 | 8700 | 9000 | 0.75 | 360 | 1.0 |
| 0.55 | 360* | 1.0 | 2580 | BK20G06-../DPE06LA4 | 38 | 8700 | 9000 | 0.65 | 360 | 1.0 |
| 0.49 | 360* | 1.0 | 2831 | BK20G06-../DPE06LA4 | 38 | 8700 | 9000 | 0.6 | 360 | 1.0 |
| 0.45 | 360* | 1.0 | 3088 | BK20G06-../DPE06LA4 | 38 | 8700 | 9000 | 0.55 | 360 | 1.0 |

The torques marked (*) are maximum permissible torques for service factor f_B=1.0.



BK-series bevel geared motors

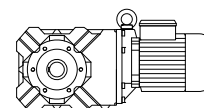
Selection - bevel geared motors



P = 0.12 kW

| 50 Hz | | | i | Type | m | F _{RN} | F _{RV} | 60 Hz | | |
|-------------------------|----------------------|----------------|-------|---------------------|----|-----------------|-----------------|-------------------------|----------------------|----------------|
| n ₂ 1/min | M ₂ Nm | f _B | | | | | | n ₂ 1/min | M ₂ Nm | f _B |
| 0.4 | 360* | 1.0 | 3515 | BK20G06-../DPE06LA4 | 38 | 8700 | 9000 | 0.48 | 360 | 1.0 |
| 0.34 | 360* | 1.0 | 4094 | BK20G06-../DPE06LA4 | 38 | 8700 | 9000 | 0.41 | 360 | 1.0 |
| 6.4 | 146 | 3.1 | 216.5 | BK30Z-../DPE06LA4 | 41 | 11200 | 12000 | 7.8 | 120 | 3.8 |
| 5.5 | 170 | 2.6 | 255.3 | BK30Z-../DPE06LA4 | 41 | 11200 | 12000 | 6.6 | 142 | 3.2 |
| 4.5 | 205 | 1.9 | 308.3 | BK30Z-../DPE06LA4 | 41 | 11200 | 12000 | 5.5 | 170 | 2.3 |
| 3.7 | 250 | 1.6 | 380.7 | BK30Z-../DPE06LA4 | 41 | 11200 | 12000 | 4.4 | 210 | 1.9 |
| 3.2 | 285 | 1.35 | 441.3 | BK30Z-../DPE06LA4 | 41 | 11200 | 12000 | 3.8 | 240 | 1.6 |
| 3.0 | 280 | 1.75 | 471.5 | BK30G06-../DPE06LA4 | 44 | 11200 | 12000 | 3.6 | 230 | 2.1 |
| 2.5 | 335 | 1.45 | 567.0 | BK30G06-../DPE06LA4 | 44 | 11200 | 12000 | 3.0 | 275 | 1.8 |
| 2.2 | 380 | 1.3 | 652.5 | BK30G06-../DPE06LA4 | 44 | 11200 | 12000 | 2.6 | 320 | 1.55 |
| 1.9 | 445 | 1.1 | 743.0 | BK30G06-../DPE06LA4 | 44 | 11200 | 12000 | 2.3 | 365 | 1.35 |
| 1.8 | 470 | 1.05 | 810.9 | BK30G06-../DPE06LA4 | 44 | 11200 | 12000 | 2.1 | 400 | 1.25 |
| 1.5 | 560 | 0.88 | 954.1 | BK30G06-../DPE06LA4 | 44 | 11200 | 12000 | 1.8 | 465 | 1.05 |
| 1.3 | 490* | 1.0 | 1142 | BK30G06-../DPE06LA4 | 44 | 11200 | 12000 | 1.5 | 490 | 1.0 |
| 1.1 | 490* | 1.0 | 1281 | BK30G06-../DPE06LA4 | 44 | 11200 | 12000 | 1.4 | 490 | 1.0 |
| 0.9 | 490* | 1.0 | 1620 | BK30G06-../DPE06LA4 | 44 | 11200 | 12000 | 1.1 | 490 | 1.0 |
| 0.8 | 490* | 1.0 | 1767 | BK30G06-../DPE06LA4 | 44 | 11200 | 12000 | 0.95 | 490 | 1.0 |
| 0.7 | 490* | 1.0 | 2024 | BK30G06-../DPE06LA4 | 44 | 11200 | 12000 | 0.85 | 490 | 1.0 |
| 0.55 | 490* | 1.0 | 2738 | BK30G06-../DPE06LA4 | 44 | 11200 | 12000 | 0.65 | 490 | 1.0 |
| 0.47 | 490* | 1.0 | 2986 | BK30G06-../DPE06LA4 | 44 | 11200 | 12000 | 0.6 | 490 | 1.0 |
| 0.41 | 490* | 1.0 | 3399 | BK30G06-../DPE06LA4 | 44 | 11200 | 12000 | 0.5 | 490 | 1.0 |
| 0.35 | 490* | 1.0 | 3959 | BK30G06-../DPE06LA4 | 44 | 11200 | 12000 | 0.43 | 490 | 1.0 |
| 4.0 | 230 | 2.5 | 348.7 | BK40Z-../DPE06LA4 | 64 | 11700 | 17000 | 4.8 | 193 | 3.0 |
| 3.3 | 275 | 2.1 | 430.0 | BK40Z-../DPE06LA4 | 64 | 11700 | 17000 | 3.9 | 235 | 2.4 |
| 2.6 | 275 | 3.1 | 540.0 | BK40G10-../DPE06LA4 | 68 | 11700 | 17000 | 3.1 | 220 | 3.9 |
| 2.1 | 350 | 2.4 | 660.2 | BK40G10-../DPE06LA4 | 68 | 11700 | 17000 | 2.6 | 275 | 3.1 |
| 1.9 | 395 | 2.2 | 756.7 | BK40G10-../DPE06LA4 | 68 | 11700 | 17000 | 2.3 | 315 | 2.7 |
| 1.7 | 450 | 1.9 | 838.4 | BK40G10-../DPE06LA4 | 68 | 11700 | 17000 | 2.0 | 370 | 2.3 |
| 1.4 | 550 | 1.55 | 998.3 | BK40G10-../DPE06LA4 | 68 | 11700 | 17000 | 1.7 | 445 | 1.9 |
| 1.2 | 650 | 1.3 | 1189 | BK40G10-../DPE06LA4 | 68 | 11700 | 17000 | 1.5 | 510 | 1.65 |
| 1.0 | 790 | 1.1 | 1428 | BK40G10-../DPE06LA4 | 68 | 11700 | 17000 | 1.2 | 650 | 1.3 |
| 0.8 | 850* | 1.0 | 1798 | BK40G10-../DPE06LA4 | 68 | 11700 | 17000 | 0.95 | 850 | 1.0 |
| 0.7 | 850* | 1.0 | 2108 | BK40G10-../DPE06LA4 | 68 | 11700 | 17000 | 0.8 | 850 | 1.0 |
| 0.6 | 850* | 1.0 | 2350 | BK40G10-../DPE06LA4 | 68 | 11700 | 17000 | 0.75 | 850 | 1.0 |
| 0.55 | 850* | 1.0 | 2604 | BK40G10-../DPE06LA4 | 68 | 11700 | 17000 | 0.65 | 850 | 1.0 |
| 0.45 | 850* | 1.0 | 3077 | BK40G10-../DPE06LA4 | 68 | 11700 | 17000 | 0.55 | 850 | 1.0 |
| 0.41 | 850* | 1.0 | 3429 | BK40G10-../DPE06LA4 | 68 | 11700 | 17000 | 0.49 | 850 | 1.0 |
| 0.37 | 850* | 1.0 | 3800 | BK40G10-../DPE06LA4 | 68 | 11700 | 17000 | 0.44 | 850 | 1.0 |
| 0.32 | 850* | 1.0 | 4363 | BK40G10-../DPE06LA4 | 68 | 11700 | 17000 | 0.39 | 850 | 1.0 |
| 3.4 | 265 | 3.2 | 414.8 | BK50Z-../DPE06LA4 | 92 | 14100 | 26000 | 4.1 | 220 | 3.8 |
| 2.2 | 345 | 3.3 | 651.7 | BK50G10-../DPE06LA4 | 96 | 14100 | 111000 | 2.6 | 280 | 4.1 |
| 2.0 | 385 | 3.0 | 722.2 | BK50G10-../DPE06LA4 | 96 | 14100 | 111000 | 2.4 | 310 | 3.7 |
| 1.7 | 460 | 2.5 | 859.8 | BK50G10-../DPE06LA4 | 96 | 14100 | 111000 | 2.0 | 380 | 3.0 |
| 1.4 | 560 | 2.1 | 1024 | BK50G10-../DPE06LA4 | 96 | 14100 | 111000 | 1.7 | 460 | 2.5 |
| 1.2 | 670 | 1.7 | 1230 | BK50G10-../DPE06LA4 | 96 | 14100 | 111000 | 1.4 | 560 | 2.1 |
| 1.0 | 800 | 1.45 | 1398 | BK50G10-../DPE06LA4 | 96 | 14100 | 111000 | 1.2 | 660 | 1.75 |
| 0.9 | 900 | 1.3 | 1549 | BK50G10-../DPE06LA4 | 96 | 14100 | 111000 | 1.1 | 730 | 1.6 |
| 0.8 | 1010 | 1.15 | 1816 | BK50G10-../DPE06LA4 | 96 | 14100 | 111000 | 0.95 | 850 | 1.35 |
| 0.7 | 1150* | 1.0 | 2024 | BK50G10-../DPE06LA4 | 96 | 14100 | 111000 | 0.85 | 1150 | 1.0 |
| 0.6 | 1150* | 1.0 | 2450 | BK50G10-../DPE06LA4 | 96 | 14100 | 111000 | 0.7 | 1150 | 1.0 |
| 0.55 | 1150* | 1.0 | 2730 | BK50G10-../DPE06LA4 | 96 | 14100 | 111000 | 0.65 | 1150 | 1.0 |
| 0.46 | 1150* | 1.0 | 3025 | BK50G10-../DPE06LA4 | 96 | 14100 | 111000 | 0.6 | 1150 | 1.0 |
| 0.4 | 1150* | 1.0 | 3492 | BK50G10-../DPE06LA4 | 96 | 14100 | 111000 | 0.48 | 1150 | 1.0 |
| 0.36 | 1150* | 1.0 | 3870 | BK50G10-../DPE06LA4 | 96 | 14100 | 111000 | 0.44 | 1150 | 1.0 |
| 0.32 | 1150* | 1.0 | 4443 | BK50G10-../DPE06LA4 | 96 | 14100 | 111000 | 0.38 | 1150 | 1.0 |

The torques marked (*) are maximum permissible torques for service factor f_B=1.0.



P = 0.12 kW

| 50 Hz | | | i | Type | m | F _{RN} | F _{RV} | 60 Hz | | |
|-------------------------|----------------------|----------------|------|---------------------|-----|-----------------|-----------------|-------------------------|----------------------|----------------|
| n ₂ 1/min | M ₂ Nm | f _B | | | | | | n ₂ 1/min | M ₂ Nm | f _B |
| 0.9 | 860 | 2.9 | 1618 | BK60G20-../DPE06LA4 | 123 | 16600 | 34000 | 1.1 | 630 | 4.0 |
| 0.8 | 970 | 2.6 | 1810 | BK60G20-../DPE06LA4 | 123 | 16600 | 34000 | 0.95 | 740 | 3.4 |
| 0.7 | 1160 | 2.2 | 2010 | BK60G20-../DPE06LA4 | 123 | 16600 | 34000 | 0.85 | 870 | 2.9 |
| 0.6 | 1400 | 1.8 | 2371 | BK60G20-../DPE06LA4 | 123 | 16600 | 34000 | 0.75 | 1020 | 2.5 |
| 0.55 | 1540 | 1.6 | 2733 | BK60G20-../DPE06LA4 | 123 | 16600 | 34000 | 0.65 | 1220 | 2.0 |
| 0.46 | 1940 | 1.3 | 3036 | BK60G20-../DPE06LA4 | 123 | 16600 | 34000 | 0.6 | 1360 | 1.85 |
| 0.4 | 2300 | 1.1 | 3533 | BK60G20-../DPE06LA4 | 123 | 16600 | 34000 | 0.48 | 1830 | 1.35 |
| 0.33 | 2500* | 1.0 | 4239 | BK60G20-../DPE06LA4 | 123 | 16600 | 34000 | 0.4 | 2500 | 1.0 |
| 0.28 | 2500* | 1.0 | 5072 | BK60G20-../DPE06LA4 | 123 | 16600 | 34000 | 0.33 | 2500 | 1.0 |
| 0.25 | 2500* | 1.0 | 5721 | BK60G20-../DPE06LA4 | 123 | 16600 | 34000 | 0.3 | 2500 | 1.0 |
| 0.22 | 2500* | 1.0 | 6565 | BK60G20-../DPE06LA4 | 123 | 16600 | 34000 | 0.26 | 2500 | 1.0 |
| 0.19 | 2500* | 1.0 | 7291 | BK60G20-../DPE06LA4 | 123 | 16600 | 34000 | 0.23 | 2500 | 1.0 |
| 0.18 | 2500* | 1.0 | 8093 | BK60G20-../DPE06LA4 | 123 | 16600 | 34000 | 0.21 | 2500 | 1.0 |
| 0.16 | 2500* | 1.0 | 8990 | BK60G20-../DPE06LA4 | 123 | 16600 | 34000 | 0.19 | 2500 | 1.0 |
| 0.46 | 1840 | 3.1 | 3041 | BK70G20-../DPE06LA4 | 201 | 24100 | 50000 | 0.55 | 1440 | 4.0 |
| 0.4 | 2150 | 2.7 | 3505 | BK70G20-../DPE06LA4 | 201 | 24100 | 50000 | 0.48 | 1700 | 3.4 |
| 0.36 | 2450 | 2.3 | 3894 | BK70G20-../DPE06LA4 | 201 | 24100 | 50000 | 0.43 | 1960 | 2.9 |
| 0.31 | 2950 | 1.95 | 4531 | BK70G20-../DPE06LA4 | 201 | 24100 | 50000 | 0.37 | 2350 | 2.4 |
| 0.26 | 3700 | 1.55 | 5436 | BK70G20-../DPE06LA4 | 201 | 24100 | 50000 | 0.31 | 2950 | 1.95 |
| 0.22 | 4500 | 1.25 | 6504 | BK70G20-../DPE06LA4 | 201 | 24100 | 50000 | 0.26 | 3700 | 1.55 |
| 0.17 | 5700* | 1.0 | 8149 | BK70G20-../DPE06LA4 | 201 | 24100 | 50000 | 0.21 | 5700 | 1.0 |
| 0.15 | 5700* | 1.0 | 9351 | BK70G20-../DPE06LA4 | 201 | 24100 | 50000 | 0.18 | 5700 | 1.0 |

P = 0.18 kW

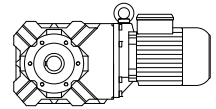
| 50 Hz | | | i | Type | m | F _{RN} | F _{RV} | 60 Hz | | |
|-------------------------|----------------------|----------------|-------|-------------------|----|-----------------|-----------------|-------------------------|----------------------|----------------|
| n ₂ 1/min | M ₂ Nm | f _B | | | | | | n ₂ 1/min | M ₂ Nm | f _B |
| 143 | 11 | 7.3 | 9.71 | BK06-../DPE07LA4 | 14 | 880 | - | 172 | 9.1 | 8.8 |
| 119 | 13.2 | 6.1 | 11.67 | BK06-../DPE07LA4 | 14 | 930 | - | 144 | 10.9 | 7.3 |
| 91 | 17.1 | 4.7 | 15.29 | BK06-../DPE07LA4 | 14 | 1020 | - | 110 | 14.2 | 5.6 |
| 77 | 20 | 4.0 | 18.00 | BK06-../DPE07LA4 | 14 | 1080 | - | 93 | 16.6 | 4.8 |
| 65 | 23.5 | 3.4 | 21.54 | BK06-../DPE07LA4 | 14 | 1150 | - | 78 | 19.8 | 4.0 |
| 53 | 29 | 2.8 | 26.36 | BK06-../DPE07LA4 | 14 | 1230 | - | 64 | 24 | 3.3 |
| 41.5 | 37 | 2.2 | 33.33 | BK06-../DPE07LA4 | 14 | 1320 | - | 51 | 30 | 2.7 |
| 36.5 | 42 | 1.9 | 38.18 | BK06-../DPE07LA4 | 14 | 1380 | - | 44 | 35 | 2.3 |
| 29 | 52 | 1.55 | 47.78 | BK06-../DPE07LA4 | 14 | 1500 | - | 35 | 43.5 | 1.85 |
| 25.5 | 59 | 1.15 | 54.38 | BK06-../DPE07LA4 | 14 | 1600 | - | 31 | 49 | 1.4 |
| 22 | 69 | 0.92 | 63.33 | BK06-../DPE07LA4 | 14 | 1700 | - | 26.5 | 57 | 1.1 |
| 22.5 | 67 | 3.0 | 61.68 | BK10-../DPE07LA4 | 26 | 7000 | - | 27.5 | 55 | 3.6 |
| 19.5 | 77 | 2.6 | 72.31 | BK10-../DPE07LA4 | 26 | 7000 | - | 23.5 | 64 | 3.1 |
| 15.5 | 96 | 1.85 | 89.30 | BK10-../DPE07LA4 | 26 | 7000 | - | 19 | 78 | 2.3 |
| 13.5 | 108 | 1.45 | 102.5 | BK10-../DPE07LA4 | 26 | 7000 | - | 16.5 | 88 | 1.8 |
| 11.5 | 127 | 1.1 | 120.3 | BK10Z-../DPE07LA4 | 27 | 7000 | - | 14 | 104 | 1.3 |
| 9.7 | 148 | 1.1 | 143.2 | BK10Z-../DPE07LA4 | 27 | 7000 | - | 12 | 120 | 1.35 |
| 8.1 | 176 | 1.15 | 170.6 | BK10Z-../DPE07LA4 | 27 | 7000 | - | 9.8 | 145 | 1.4 |
| 6.8 | 205 | 0.98 | 204.7 | BK10Z-../DPE07LA4 | 27 | 7000 | - | 8.2 | 171 | 1.15 |
| 13 | 113 | 2.8 | 108.6 | BK20-../DPE07LA4 | 35 | 8700 | 9000 | 15.5 | 95 | 3.3 |
| 11.5 | 127 | 2.6 | 124.2 | BK20Z-../DPE07LA4 | 37 | 8700 | 9000 | 13.5 | 108 | 3.1 |
| 9.6 | 150 | 2.2 | 144.5 | BK20Z-../DPE07LA4 | 37 | 8700 | 9000 | 12 | 120 | 2.8 |
| 8.0 | 178 | 1.85 | 173.4 | BK20Z-../DPE07LA4 | 37 | 8700 | 9000 | 9.7 | 147 | 2.2 |
| 6.7 | 210 | 1.55 | 207.5 | BK20Z-../DPE07LA4 | 37 | 8700 | 9000 | 8.1 | 174 | 1.9 |

The torques marked (*) are maximum permissible torques for service factor f_B=1.0.

BK-series bevel geared motors

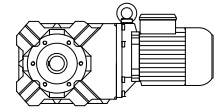
Selection - bevel geared motors

P = 0.18 kW



| 50 Hz | | | i | Type | m | F _{RN} | F _{RV} | 60 Hz | | |
|-------------------------|----------------------|----------------|-------|---------------------|-----|-----------------|-----------------|-------------------------|----------------------|----------------|
| n ₂ 1/min | M ₂ Nm | f _B | | | | | | n ₂ 1/min | M ₂ Nm | f _B |
| 5.4 | 260 | 1.25 | 259.9 | BK20Z-../DPE07LA4 | 37 | 8700 | 9000 | 6.5 | 215 | 1.55 |
| 4.7 | 295 | 1.05 | 298.2 | BK20Z-../DPE07LA4 | 37 | 8700 | 9000 | 5.7 | 240 | 1.3 |
| 3.8 | 360 | 0.81 | 367.7 | BK20Z-../DPE07LA4 | 37 | 8700 | 9000 | 4.6 | 295 | 0.99 |
| 3.3 | 390 | 0.92 | 429.7 | BK20G06-../DPE07LA4 | 40 | 8700 | 9000 | 3.9 | 330 | 1.1 |
| 2.9 | 445 | 0.81 | 480.4 | BK20G06-../DPE07LA4 | 40 | 8700 | 9000 | 3.5 | 365 | 0.99 |
| 9.6 | 150 | 3.0 | 145.1 | BK30Z-../DPE07LA4 | 44 | 11200 | 12000 | 12 | 120 | 3.8 |
| 7.5 | 190 | 2.4 | 184.8 | BK30Z-../DPE07LA4 | 44 | 11200 | 12000 | 9.1 | 156 | 2.9 |
| 6.4 | 220 | 2.0 | 216.5 | BK30Z-../DPE07LA4 | 44 | 11200 | 12000 | 7.8 | 180 | 2.5 |
| 5.5 | 255 | 1.75 | 255.3 | BK30Z-../DPE07LA4 | 44 | 11200 | 12000 | 6.6 | 210 | 2.1 |
| 4.5 | 310 | 1.25 | 308.3 | BK30Z-../DPE07LA4 | 44 | 11200 | 12000 | 5.5 | 255 | 1.5 |
| 3.7 | 375 | 1.05 | 380.7 | BK30Z-../DPE07LA4 | 44 | 11200 | 12000 | 4.4 | 315 | 1.3 |
| 3.2 | 425 | 0.9 | 441.3 | BK30Z-../DPE07LA4 | 44 | 11200 | 12000 | 3.8 | 360 | 1.05 |
| 3.0 | 430 | 1.15 | 471.5 | BK30G06-../DPE07LA4 | 46 | 11200 | 12000 | 3.6 | 355 | 1.4 |
| 2.5 | 510 | 0.96 | 567.0 | BK30G06-../DPE07LA4 | 46 | 11200 | 12000 | 3.0 | 430 | 1.15 |
| 2.2 | 580 | 0.84 | 652.5 | BK30G06-../DPE07LA4 | 46 | 11200 | 12000 | 2.6 | 495 | 0.99 |
| 5.6 | 245 | 3.2 | 246.6 | BK40Z-../DPE07LA4 | 66 | 11700 | 17000 | 6.8 | 200 | 3.9 |
| 4.8 | 290 | 2.4 | 289.8 | BK40Z-../DPE07LA4 | 66 | 11700 | 17000 | 5.8 | 240 | 2.9 |
| 4.0 | 345 | 1.7 | 348.7 | BK40Z-../DPE07LA4 | 66 | 11700 | 17000 | 4.8 | 290 | 2.0 |
| 3.3 | 415 | 1.4 | 430.0 | BK40Z-../DPE07LA4 | 66 | 11700 | 17000 | 3.9 | 350 | 1.65 |
| 2.9 | 405 | 2.1 | 487.3 | BK40G10-../DPE07LA4 | 71 | 11700 | 17000 | 3.5 | 325 | 2.6 |
| 2.6 | 450 | 1.9 | 540.0 | BK40G10-../DPE07LA4 | 71 | 11700 | 17000 | 3.1 | 370 | 2.3 |
| 2.1 | 560 | 1.5 | 660.2 | BK40G10-../DPE07LA4 | 71 | 11700 | 17000 | 2.6 | 450 | 1.9 |
| 1.9 | 630 | 1.35 | 756.7 | BK40G10-../DPE07LA4 | 71 | 11700 | 17000 | 2.3 | 510 | 1.65 |
| 1.7 | 710 | 1.2 | 838.4 | BK40G10-../DPE07LA4 | 71 | 11700 | 17000 | 2.0 | 590 | 1.45 |
| 1.4 | 870 | 0.98 | 998.3 | BK40G10-../DPE07LA4 | 71 | 11700 | 17000 | 1.7 | 710 | 1.2 |
| 1.2 | 1020 | 0.83 | 1189 | BK40G10-../DPE07LA4 | 71 | 11700 | 17000 | 1.5 | 810 | 1.05 |
| 4.3 | 320 | 3.2 | 328.2 | BK50Z-../DPE07LA4 | 95 | 14100 | 26000 | 5.1 | 270 | 3.7 |
| 3.4 | 400 | 2.1 | 414.8 | BK50Z-../DPE07LA4 | 95 | 14100 | 26000 | 4.1 | 335 | 2.5 |
| 3.0 | 395 | 2.9 | 465.1 | BK50G10-../DPE07LA4 | 99 | 14100 | 111000 | 3.6 | 320 | 3.6 |
| 2.7 | 440 | 2.6 | 513.4 | BK50G10-../DPE07LA4 | 99 | 14100 | 111000 | 3.3 | 350 | 3.3 |
| 2.5 | 480 | 2.4 | 568.6 | BK50G10-../DPE07LA4 | 99 | 14100 | 111000 | 3.0 | 390 | 2.9 |
| 2.2 | 550 | 2.1 | 651.7 | BK50G10-../DPE07LA4 | 99 | 14100 | 111000 | 2.6 | 455 | 2.5 |
| 2.0 | 610 | 1.9 | 722.2 | BK50G10-../DPE07LA4 | 99 | 14100 | 111000 | 2.4 | 500 | 2.3 |
| 1.7 | 720 | 1.6 | 859.8 | BK50G10-../DPE07LA4 | 99 | 14100 | 111000 | 2.0 | 600 | 1.9 |
| 1.4 | 880 | 1.3 | 1024 | BK50G10-../DPE07LA4 | 99 | 14100 | 111000 | 1.7 | 720 | 1.6 |
| 1.2 | 1030 | 1.1 | 1230 | BK50G10-../DPE07LA4 | 99 | 14100 | 111000 | 1.4 | 880 | 1.3 |
| 1.0 | 1240 | 0.93 | 1398 | BK50G10-../DPE07LA4 | 99 | 14100 | 111000 | 1.2 | 1030 | 1.1 |
| 1.4 | 920 | 2.7 | 1016 | BK60G20-../DPE07LA4 | 125 | 16600 | 34000 | 1.7 | 710 | 3.5 |
| 1.1 | 1220 | 2.0 | 1322 | BK60G20-../DPE07LA4 | 125 | 16600 | 34000 | 1.3 | 980 | 2.6 |
| 0.9 | 1500 | 1.65 | 1618 | BK60G20-../DPE07LA4 | 125 | 16600 | 34000 | 1.1 | 1150 | 2.2 |
| 0.8 | 1690 | 1.5 | 1810 | BK60G20-../DPE07LA4 | 125 | 16600 | 34000 | 0.95 | 1350 | 1.85 |
| 0.7 | 1980 | 1.25 | 2010 | BK60G20-../DPE07LA4 | 125 | 16600 | 34000 | 0.85 | 1550 | 1.6 |
| 0.6 | 2350 | 1.05 | 2371 | BK60G20-../DPE07LA4 | 125 | 16600 | 34000 | 0.75 | 1790 | 1.4 |
| 0.7 | 1940 | 2.9 | 2040 | BK70G20-../DPE07LA4 | 204 | 24100 | 50000 | 0.85 | 1500 | 3.8 |
| 0.55 | 2500 | 2.3 | 2578 | BK70G20-../DPE07LA4 | 204 | 24100 | 50000 | 0.65 | 2000 | 2.9 |
| 0.46 | 3050 | 1.85 | 3041 | BK70G20-../DPE07LA4 | 204 | 24100 | 50000 | 0.55 | 2450 | 2.3 |
| 0.4 | 3600 | 1.6 | 3505 | BK70G20-../DPE07LA4 | 204 | 24100 | 50000 | 0.48 | 2850 | 2.0 |
| 0.36 | 4050 | 1.4 | 3894 | BK70G20-../DPE07LA4 | 204 | 24100 | 50000 | 0.43 | 3250 | 1.75 |
| 0.31 | 4800 | 1.2 | 4531 | BK70G20-../DPE07LA4 | 204 | 24100 | 50000 | 0.37 | 3900 | 1.45 |

The torques marked (*) are maximum permissible torques for service factor f_B=1.0.



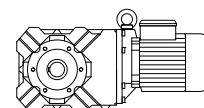
P = 0.25 kW

| 50 Hz | | | i | Type | m | F _{RN} | F _{RV} | 60 Hz | | |
|-------------------------|----------------------|----------------|-------|---------------------|-----|-----------------|-----------------|-------------------------|----------------------|----------------|
| n ₂ 1/min | M ₂ Nm | f _B | | | | | | n ₂ 1/min | M ₂ Nm | f _B |
| 196 | 11.2 | 6.5 | 7.25 | BK06-../DPE08MA4 | 15 | 800 | - | 240 | 9.1 | 8.0 |
| 147 | 14.9 | 5.4 | 9.71 | BK06-../DPE08MA4 | 15 | 880 | - | 177 | 12.4 | 6.5 |
| 122 | 18 | 4.4 | 11.67 | BK06-../DPE08MA4 | 15 | 930 | - | 147 | 14.9 | 5.4 |
| 93 | 23 | 3.5 | 15.29 | BK06-../DPE08MA4 | 15 | 1020 | - | 112 | 19.3 | 4.1 |
| 79 | 27 | 3.0 | 18.00 | BK06-../DPE08MA4 | 15 | 1080 | - | 95 | 22.5 | 3.6 |
| 66 | 32.5 | 2.5 | 21.54 | BK06-../DPE08MA4 | 15 | 1150 | - | 80 | 26.5 | 3.0 |
| 54 | 39.5 | 2.0 | 26.36 | BK06-../DPE08MA4 | 15 | 1230 | - | 65 | 33 | 2.4 |
| 43 | 49.5 | 1.6 | 33.33 | BK06-../DPE08MA4 | 15 | 1320 | - | 52 | 41 | 1.95 |
| 37.5 | 57 | 1.4 | 38.18 | BK06-../DPE08MA4 | 15 | 1380 | - | 45 | 47.5 | 1.7 |
| 30 | 70 | 1.15 | 47.78 | BK06-../DPE08MA4 | 15 | 1500 | - | 36 | 59 | 1.35 |
| 35 | 61 | 3.3 | 40.79 | BK10-../DPE08MA4 | 27 | 6000 | - | 42 | 51 | 3.9 |
| 29.5 | 72 | 2.8 | 48.96 | BK10-../DPE08MA4 | 27 | 6400 | - | 35 | 60 | 3.3 |
| 23.5 | 90 | 2.2 | 61.68 | BK10-../DPE08MA4 | 27 | 7000 | - | 28 | 75 | 2.7 |
| 20 | 105 | 1.9 | 72.31 | BK10-../DPE08MA4 | 27 | 7000 | - | 24 | 87 | 2.3 |
| 16 | 129 | 1.4 | 89.30 | BK10-../DPE08MA4 | 27 | 7000 | - | 19.5 | 106 | 1.7 |
| 12 | 169 | 0.81 | 120.3 | BK10Z-../DPE08MA4 | 28 | 7000 | - | 14.5 | 139 | 0.99 |
| 10 | 200 | 0.82 | 143.2 | BK10Z-../DPE08MA4 | 28 | 7000 | - | 12 | 167 | 0.98 |
| 8.4 | 235 | 0.85 | 170.6 | BK10Z-../DPE08MA4 | 28 | 7000 | - | 10.5 | 188 | 1.05 |
| 18.5 | 113 | 2.9 | 76.79 | BK20-../DPE08MA4 | 36 | 7500 | 9000 | 22.5 | 93 | 3.5 |
| 16.5 | 125 | 2.6 | 88.12 | BK20-../DPE08MA4 | 36 | 8000 | 9000 | 19.5 | 106 | 3.1 |
| 13.5 | 152 | 2.1 | 108.6 | BK20-../DPE08MA4 | 36 | 8700 | 9000 | 16 | 128 | 2.5 |
| 11.5 | 176 | 1.9 | 124.2 | BK20Z-../DPE08MA4 | 38 | 8700 | 9000 | 14 | 144 | 2.3 |
| 9.9 | 200 | 1.65 | 144.5 | BK20Z-../DPE08MA4 | 38 | 8700 | 9000 | 12 | 167 | 2.0 |
| 8.2 | 240 | 1.4 | 173.4 | BK20Z-../DPE08MA4 | 38 | 8700 | 9000 | 9.9 | 200 | 1.65 |
| 6.9 | 280 | 1.2 | 207.5 | BK20Z-../DPE08MA4 | 38 | 8700 | 9000 | 8.3 | 235 | 1.4 |
| 5.5 | 355 | 0.93 | 259.9 | BK20Z-../DPE08MA4 | 38 | 8700 | 9000 | 6.6 | 295 | 1.1 |
| 14 | 144 | 3.1 | 102.4 | BK30-../DPE08MA4 | 42 | 11200 | 12000 | 17 | 119 | 3.8 |
| 11.5 | 176 | 2.6 | 123.9 | BK30Z-../DPE08MA4 | 45 | 11200 | 12000 | 14 | 144 | 3.1 |
| 9.8 | 200 | 2.3 | 145.1 | BK30Z-../DPE08MA4 | 45 | 11200 | 12000 | 12 | 167 | 2.7 |
| 7.7 | 255 | 1.75 | 184.8 | BK30Z-../DPE08MA4 | 45 | 11200 | 12000 | 9.3 | 210 | 2.1 |
| 6.6 | 295 | 1.55 | 216.5 | BK30Z-../DPE08MA4 | 45 | 11200 | 12000 | 7.9 | 245 | 1.85 |
| 5.6 | 345 | 1.3 | 255.3 | BK30Z-../DPE08MA4 | 45 | 11200 | 12000 | 6.7 | 290 | 1.55 |
| 4.7 | 415 | 0.93 | 308.3 | BK30Z-../DPE08MA4 | 45 | 11200 | 12000 | 5.6 | 345 | 1.1 |
| 3.8 | 500 | 0.81 | 380.7 | BK30Z-../DPE08MA4 | 45 | 11200 | 12000 | 4.5 | 425 | 0.95 |
| 3.1 | 590 | 0.83 | 471.5 | BK30G06-../DPE08MA4 | 50 | 11200 | 12000 | 3.7 | 495 | 0.99 |
| 6.8 | 285 | 2.7 | 211.5 | BK40Z-../DPE08MA4 | 67 | 11700 | 17000 | 8.1 | 240 | 3.3 |
| 5.8 | 330 | 2.4 | 246.6 | BK40Z-../DPE08MA4 | 67 | 11700 | 17000 | 7.0 | 275 | 2.8 |
| 4.9 | 390 | 1.75 | 289.8 | BK40Z-../DPE08MA4 | 67 | 11700 | 17000 | 6.0 | 320 | 2.1 |
| 4.1 | 470 | 1.25 | 348.7 | BK40Z-../DPE08MA4 | 67 | 11700 | 17000 | 5.0 | 385 | 1.5 |
| 3.4 | 560 | 1.0 | 430.0 | BK40Z-../DPE08MA4 | 67 | 11700 | 17000 | 4.0 | 475 | 1.2 |
| 3.0 | 560 | 1.5 | 487.3 | BK40G10-../DPE08MA4 | 72 | 11700 | 17000 | 3.6 | 465 | 1.85 |
| 2.7 | 630 | 1.35 | 540.0 | BK40G10-../DPE08MA4 | 72 | 11700 | 17000 | 3.2 | 520 | 1.65 |
| 2.2 | 780 | 1.1 | 660.2 | BK40G10-../DPE08MA4 | 72 | 11700 | 17000 | 2.6 | 650 | 1.3 |
| 1.9 | 900 | 0.94 | 756.7 | BK40G10-../DPE08MA4 | 72 | 11700 | 17000 | 2.3 | 740 | 1.15 |
| 1.7 | 1010 | 0.84 | 838.4 | BK40G10-../DPE08MA4 | 72 | 11700 | 17000 | 2.1 | 810 | 1.05 |
| 5.4 | 355 | 3.0 | 264.5 | BK50Z-../DPE08MA4 | 96 | 14100 | 26000 | 6.5 | 295 | 3.6 |
| 4.4 | 435 | 2.3 | 328.2 | BK50Z-../DPE08MA4 | 96 | 14100 | 26000 | 5.3 | 360 | 2.8 |
| 3.5 | 540 | 1.55 | 414.8 | BK50Z-../DPE08MA4 | 96 | 14100 | 26000 | 4.2 | 450 | 1.9 |
| 3.1 | 550 | 2.1 | 465.1 | BK50G10-../DPE08MA4 | 100 | 14100 | 111000 | 3.7 | 455 | 2.5 |
| 2.8 | 610 | 1.9 | 513.4 | BK50G10-../DPE08MA4 | 100 | 14100 | 111000 | 3.4 | 495 | 2.3 |
| 2.5 | 690 | 1.65 | 568.6 | BK50G10-../DPE08MA4 | 100 | 14100 | 111000 | 3.1 | 550 | 2.1 |

The torques marked (*) are maximum permissible torques for service factor f_B=1,0.

BK-series bevel geared motors

Selection - bevel geared motors



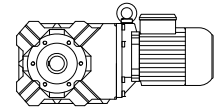
P = 0.25 kW

| 50 Hz | | | i | Type | m | F _{RN} | F _{RV} | 60 Hz | | |
|-------------------------|----------------------|----------------|-------|---------------------|-----|-----------------|-----------------|-------------------------|----------------------|----------------|
| n ₂ 1/min | M ₂ Nm | f _B | | | | | | n ₂ 1/min | M ₂ Nm | f _B |
| 2.2 | 780 | 1.45 | 651.7 | BK50G10-../DPE08MA4 | 100 | 14100 | 111000 | 2.7 | 630 | 1.85 |
| 2.0 | 870 | 1.3 | 722.2 | BK50G10-../DPE08MA4 | 100 | 14100 | 111000 | 2.4 | 710 | 1.6 |
| 1.7 | 1020 | 1.15 | 859.8 | BK50G10-../DPE08MA4 | 100 | 14100 | 111000 | 2.0 | 860 | 1.35 |
| 1.4 | 1250 | 0.92 | 1024 | BK50G10-../DPE08MA4 | 100 | 14100 | 111000 | 1.7 | 1020 | 1.15 |
| 3.1 | 770 | 3.0 | 460.4 | BK60Z-../DPE08MA4 | 119 | 16600 | 34000 | 3.8 | 620 | 3.7 |
| 2.9 | 820 | 2.8 | 498.0 | BK60Z-../DPE08MA4 | 119 | 16600 | 34000 | 3.5 | 680 | 3.4 |
| 2.6 | 910 | 2.5 | 557.2 | BK60Z-../DPE08MA4 | 119 | 16600 | 34000 | 3.1 | 770 | 3.0 |
| 2.3 | 770 | 3.2 | 621.5 | BK60G20-../DPE08MA4 | 126 | 16600 | 34000 | 2.8 | 590 | 4.2 |
| 1.9 | 940 | 2.7 | 752.1 | BK60G20-../DPE08MA4 | 126 | 16600 | 34000 | 2.3 | 720 | 3.5 |
| 1.6 | 1150 | 2.2 | 887.8 | BK60G20-../DPE08MA4 | 126 | 16600 | 34000 | 2.0 | 850 | 2.9 |
| 1.4 | 1400 | 1.8 | 1016 | BK60G20-../DPE08MA4 | 126 | 16600 | 34000 | 1.7 | 1100 | 2.3 |
| 1.1 | 1830 | 1.35 | 1322 | BK60G20-../DPE08MA4 | 126 | 16600 | 34000 | 1.3 | 1500 | 1.65 |
| 0.9 | 2200 | 1.15 | 1618 | BK60G20-../DPE08MA4 | 126 | 16600 | 34000 | 1.1 | 1760 | 1.4 |
| 1.0 | 1950 | 2.9 | 1457 | BK70G20-../DPE08MA4 | 205 | 24100 | 50000 | 1.2 | 1560 | 3.7 |
| 0.85 | 2350 | 2.4 | 1696 | BK70G20-../DPE08MA4 | 205 | 24100 | 50000 | 1.1 | 1740 | 3.3 |
| 0.7 | 2850 | 2.0 | 2040 | BK70G20-../DPE08MA4 | 205 | 24100 | 50000 | 0.85 | 2250 | 2.5 |
| 0.6 | 3350 | 1.7 | 2578 | BK70G20-../DPE08MA4 | 205 | 24100 | 50000 | 0.7 | 2800 | 2.0 |
| 0.47 | 4400 | 1.3 | 3041 | BK70G20-../DPE08MA4 | 205 | 24100 | 50000 | 0.6 | 3300 | 1.75 |
| 0.41 | 5100 | 1.1 | 3505 | BK70G20-../DPE08MA4 | 205 | 24100 | 50000 | 0.49 | 4150 | 1.35 |
| 0.46 | 3700 | 3.1 | 3120 | BK80G40-../DPE08MA4 | 347 | 30000 | 75000 | 0.55 | 2850 | 4.0 |
| 0.38 | 4800 | 2.4 | 3776 | BK80G40-../DPE08MA4 | 347 | 30000 | 75000 | 0.46 | 3700 | 3.1 |
| 0.32 | 6000 | 1.9 | 4461 | BK80G40-../DPE08MA4 | 347 | 30000 | 75000 | 0.39 | 4650 | 2.5 |
| 0.29 | 6700 | 1.7 | 5032 | BK80G40-../DPE08MA4 | 347 | 30000 | 75000 | 0.34 | 5500 | 2.1 |
| 0.25 | 8000 | 1.45 | 5865 | BK80G40-../DPE08MA4 | 347 | 30000 | 75000 | 0.3 | 6500 | 1.75 |
| 0.21 | 9900 | 1.15 | 6893 | BK80G40-../DPE08MA4 | 347 | 30000 | 75000 | 0.25 | 8000 | 1.45 |
| 0.19 | 11100 | 1.05 | 7652 | BK80G40-../DPE08MA4 | 347 | 30000 | 75000 | 0.23 | 8900 | 1.3 |
| 0.29 | 6100 | 3.0 | 4952 | BK90G50-../DPE08MA4 | 620 | 49400 | 120000 | 0.35 | 4700 | 3.9 |
| 0.26 | 7000 | 2.6 | 5491 | BK90G50-../DPE08MA4 | 620 | 49400 | 120000 | 0.32 | 5300 | 3.5 |
| 0.23 | 8200 | 2.3 | 6335 | BK90G50-../DPE08MA4 | 620 | 49400 | 120000 | 0.27 | 6700 | 2.8 |
| 0.21 | 9200 | 2.0 | 7022 | BK90G50-../DPE08MA4 | 620 | 49400 | 120000 | 0.25 | 7400 | 2.5 |
| 0.19 | 10400 | 1.8 | 7862 | BK90G50-../DPE08MA4 | 620 | 49400 | 120000 | 0.22 | 8700 | 2.1 |
| 0.15 | 13800 | 1.35 | 9935 | BK90G50-../DPE08MA4 | 620 | 49400 | 120000 | 0.18 | 11100 | 1.65 |

P = 0.37 kW

| 50 Hz | | | i | Type | m | F _{RN} | F _{RV} | 60 Hz | | |
|-------------------------|----------------------|----------------|-------|------------------|----|-----------------|-----------------|-------------------------|----------------------|----------------|
| n ₂ 1/min | M ₂ Nm | f _B | | | | | | n ₂ 1/min | M ₂ Nm | f _B |
| 196 | 16.5 | 4.4 | 7.25 | BK06-../DPE08LA4 | 16 | 800 | - | 240 | 13.5 | 5.4 |
| 147 | 22 | 3.6 | 9.71 | BK06-../DPE08LA4 | 16 | 880 | - | 177 | 18.3 | 4.4 |
| 122 | 26.5 | 3.0 | 11.67 | BK06-../DPE08LA4 | 16 | 930 | - | 147 | 22 | 3.6 |
| 93 | 34.5 | 2.3 | 15.29 | BK06-../DPE08LA4 | 16 | 1020 | - | 112 | 28.5 | 2.8 |
| 79 | 40 | 2.0 | 18.00 | BK06-../DPE08LA4 | 16 | 1080 | - | 95 | 33 | 2.4 |
| 66 | 48 | 1.65 | 21.54 | BK06-../DPE08LA4 | 16 | 1150 | - | 80 | 39.5 | 2.0 |
| 54 | 58 | 1.4 | 26.36 | BK06-../DPE08LA4 | 16 | 1230 | - | 65 | 48.5 | 1.65 |
| 43 | 73 | 1.1 | 33.33 | BK06-../DPE08LA4 | 16 | 1320 | - | 52 | 61 | 1.3 |
| 37.5 | 84 | 0.95 | 38.18 | BK06-../DPE08LA4 | 16 | 1380 | - | 45 | 70 | 1.15 |
| 49.5 | 64 | 3.1 | 28.76 | BK10-../DPE08LA4 | 28 | 5200 | - | 60 | 53 | 3.8 |
| 41.5 | 76 | 2.6 | 34.25 | BK10-../DPE08LA4 | 28 | 5600 | - | 50 | 63 | 3.2 |
| 35 | 90 | 2.2 | 40.79 | BK10-../DPE08LA4 | 28 | 6000 | - | 42 | 75 | 2.7 |
| 29.5 | 106 | 1.9 | 48.96 | BK10-../DPE08LA4 | 28 | 6400 | - | 35 | 89 | 2.2 |

The torques marked (*) are maximum permissible torques for service factor f_B=1.0.



P = 0.37 kW

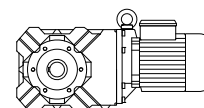
| 50 Hz | | | i | Type | m | F _{RN} | F _{RV} | 60 Hz | | |
|-------------------------|----------------------|----------------|-------|---------------------|-----|-----------------|-----------------|-------------------------|----------------------|----------------|
| n ₂ 1/min | M ₂ Nm | f _B | | | | | | n ₂ 1/min | M ₂ Nm | f _B |
| 23.5 | 133 | 1.5 | 61.68 | BK10-../DPE08LA4 | 28 | 7000 | - | 28 | 112 | 1.8 |
| 20 | 155 | 1.3 | 72.31 | BK10-../DPE08LA4 | 28 | 7000 | - | 24 | 129 | 1.55 |
| 16 | 192 | 0.93 | 89.30 | BK10-../DPE08LA4 | 28 | 7000 | - | 19.5 | 157 | 1.15 |
| 28 | 112 | 2.9 | 51.22 | BK20-../DPE08LA4 | 38 | 6300 | 9000 | 33.5 | 93 | 3.5 |
| 23.5 | 133 | 2.5 | 61.30 | BK20-../DPE08LA4 | 38 | 6500 | 9000 | 28 | 112 | 2.9 |
| 18.5 | 168 | 1.95 | 76.79 | BK20-../DPE08LA4 | 38 | 7500 | 9000 | 22.5 | 138 | 2.4 |
| 16.5 | 186 | 1.75 | 88.12 | BK20-../DPE08LA4 | 38 | 8000 | 9000 | 19.5 | 157 | 2.1 |
| 13.5 | 225 | 1.4 | 108.6 | BK20-../DPE08LA4 | 38 | 8700 | 9000 | 16 | 189 | 1.65 |
| 11.5 | 260 | 1.25 | 124.2 | BK20Z-../DPE08LA4 | 40 | 8700 | 9000 | 14 | 210 | 1.55 |
| 9.9 | 295 | 1.1 | 144.5 | BK20Z-../DPE08LA4 | 40 | 8700 | 9000 | 12 | 245 | 1.35 |
| 8.2 | 355 | 0.93 | 173.4 | BK20Z-../DPE08LA4 | 40 | 8700 | 9000 | 9.9 | 295 | 1.1 |
| 6.9 | 415 | 0.8 | 207.5 | BK20Z-../DPE08LA4 | 40 | 8700 | 9000 | 8.3 | 345 | 0.96 |
| 20 | 153 | 2.9 | 71.56 | BK30-../DPE08LA4 | 44 | 9700 | 12000 | 24 | 128 | 3.5 |
| 16.5 | 184 | 2.4 | 88.38 | BK30-../DPE08LA4 | 44 | 10600 | 12000 | 19.5 | 155 | 2.9 |
| 14 | 210 | 2.1 | 102.4 | BK30-../DPE08LA4 | 44 | 11200 | 12000 | 17 | 176 | 2.6 |
| 11.5 | 260 | 1.75 | 123.9 | BK30Z-../DPE08LA4 | 46 | 11200 | 12000 | 14 | 210 | 2.1 |
| 9.8 | 300 | 1.5 | 145.1 | BK30Z-../DPE08LA4 | 46 | 11200 | 12000 | 12 | 245 | 1.85 |
| 7.7 | 380 | 1.2 | 184.8 | BK30Z-../DPE08LA4 | 46 | 11200 | 12000 | 9.3 | 315 | 1.45 |
| 6.6 | 435 | 1.05 | 216.5 | BK30Z-../DPE08LA4 | 46 | 11200 | 12000 | 7.9 | 365 | 1.25 |
| 5.6 | 510 | 0.88 | 255.3 | BK30Z-../DPE08LA4 | 46 | 11200 | 12000 | 6.7 | 430 | 1.05 |
| 12.5 | 240 | 3.3 | 118.2 | BK40Z-../DPE08LA4 | 69 | 11700 | 17000 | 14.5 | 205 | 3.8 |
| 10 | 295 | 2.6 | 143.0 | BK40Z-../DPE08LA4 | 69 | 11700 | 17000 | 12 | 245 | 3.2 |
| 8.5 | 345 | 2.3 | 169.0 | BK40Z-../DPE08LA4 | 69 | 11700 | 17000 | 10.5 | 275 | 2.8 |
| 6.8 | 425 | 1.85 | 211.5 | BK40Z-../DPE08LA4 | 69 | 11700 | 17000 | 8.1 | 355 | 2.2 |
| 5.8 | 490 | 1.6 | 246.6 | BK40Z-../DPE08LA4 | 69 | 11700 | 17000 | 7.0 | 405 | 1.95 |
| 4.9 | 580 | 1.2 | 289.8 | BK40Z-../DPE08LA4 | 69 | 11700 | 17000 | 6.0 | 475 | 1.45 |
| 4.1 | 690 | 0.84 | 348.7 | BK40Z-../DPE08LA4 | 69 | 11700 | 17000 | 5.0 | 570 | 1.0 |
| 3.0 | 870 | 0.98 | 487.3 | BK40G10-../DPE08LA4 | 73 | 11700 | 17000 | 3.6 | 720 | 1.2 |
| 2.7 | 960 | 0.89 | 540.0 | BK40G10-../DPE08LA4 | 73 | 11700 | 17000 | 3.2 | 810 | 1.05 |
| 9.3 | 315 | 3.3 | 153.3 | BK50Z-../DPE08LA4 | 98 | 14100 | 26000 | 11.5 | 255 | 4.1 |
| 6.9 | 415 | 2.5 | 206.8 | BK50Z-../DPE08LA4 | 98 | 14100 | 26000 | 8.3 | 345 | 3.0 |
| 5.4 | 530 | 2.0 | 264.5 | BK50Z-../DPE08LA4 | 98 | 14100 | 26000 | 6.5 | 440 | 2.4 |
| 4.4 | 650 | 1.55 | 328.2 | BK50Z-../DPE08LA4 | 98 | 14100 | 26000 | 5.3 | 540 | 1.85 |
| 3.5 | 800 | 1.05 | 414.8 | BK50Z-../DPE08LA4 | 98 | 14100 | 26000 | 4.2 | 670 | 1.25 |
| 3.1 | 840 | 1.35 | 465.1 | BK50G10-../DPE08LA4 | 102 | 14100 | 111000 | 3.7 | 700 | 1.65 |
| 2.8 | 940 | 1.2 | 513.4 | BK50G10-../DPE08LA4 | 102 | 14100 | 111000 | 3.4 | 770 | 1.5 |
| 2.5 | 1050 | 1.1 | 568.6 | BK50G10-../DPE08LA4 | 102 | 14100 | 111000 | 3.1 | 840 | 1.35 |
| 2.2 | 1190 | 0.97 | 651.7 | BK50G10-../DPE08LA4 | 102 | 14100 | 111000 | 2.7 | 970 | 1.2 |
| 2.0 | 1310 | 0.88 | 722.2 | BK50G10-../DPE08LA4 | 102 | 14100 | 111000 | 2.4 | 1090 | 1.05 |
| 4.5 | 780 | 2.9 | 317.7 | BK60Z-../DPE08LA4 | 120 | 16600 | 34000 | 5.4 | 650 | 3.5 |
| 4.0 | 880 | 2.6 | 355.5 | BK60Z-../DPE08LA4 | 120 | 16600 | 34000 | 4.9 | 720 | 3.2 |
| 3.5 | 1000 | 2.3 | 411.5 | BK60Z-../DPE08LA4 | 120 | 16600 | 34000 | 4.2 | 840 | 2.7 |
| 3.1 | 1130 | 2.0 | 460.4 | BK60Z-../DPE08LA4 | 120 | 16600 | 34000 | 3.8 | 920 | 2.5 |
| 2.9 | 1210 | 1.9 | 498.0 | BK60Z-../DPE08LA4 | 120 | 16600 | 34000 | 3.5 | 1000 | 2.3 |
| 2.6 | 1350 | 1.7 | 557.2 | BK60Z-../DPE08LA4 | 120 | 16600 | 34000 | 3.1 | 1130 | 2.0 |
| 2.3 | 1270 | 1.95 | 621.5 | BK60G20-../DPE08LA4 | 128 | 16600 | 34000 | 2.8 | 1000 | 2.5 |
| 1.9 | 1540 | 1.6 | 752.1 | BK60G20-../DPE08LA4 | 128 | 16600 | 34000 | 2.3 | 1220 | 2.0 |
| 1.6 | 1870 | 1.35 | 887.8 | BK60G20-../DPE08LA4 | 128 | 16600 | 34000 | 2.0 | 1430 | 1.75 |
| 1.4 | 2200 | 1.15 | 1016 | BK60G20-../DPE08LA4 | 128 | 16600 | 34000 | 1.7 | 1770 | 1.4 |
| 1.1 | 2850 | 0.88 | 1322 | BK60G20-../DPE08LA4 | 128 | 16600 | 34000 | 1.3 | 2350 | 1.05 |
| 2.0 | 1760 | 3.0 | 733.6 | BK70Z-../DPE08LA4 | 208 | 24100 | 50000 | 2.4 | 1470 | 3.5 |

The torques marked (*) are maximum permissible torques for service factor f_B=1,0.

BK-series bevel geared motors

Selection - bevel geared motors

P = 0.37 kW

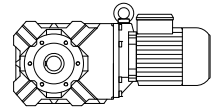


| 50 Hz | | | i | Type | m | F _{RN} | F _{RV} | 60 Hz | | |
|-------------------------|----------------------|----------------|-------|---------------------|-----|-----------------|-----------------|-------------------------|----------------------|----------------|
| n ₂ 1/min | M ₂ Nm | f _B | | | | | | n ₂ 1/min | M ₂ Nm | f _B |
| 1.7 | 1720 | 3.3 | 847.7 | BK70G20-../DPE08LA4 | 206 | 24100 | 50000 | 2.1 | 1320 | 4.3 |
| 1.5 | 1950 | 2.9 | 964.6 | BK70G20-../DPE08LA4 | 206 | 24100 | 50000 | 1.8 | 1550 | 3.7 |
| 1.3 | 2250 | 2.5 | 1139 | BK70G20-../DPE08LA4 | 206 | 24100 | 50000 | 1.6 | 1770 | 3.2 |
| 1.2 | 2550 | 2.2 | 1280 | BK70G20-../DPE08LA4 | 206 | 24100 | 50000 | 1.4 | 2100 | 2.7 |
| 1.0 | 3100 | 1.85 | 1457 | BK70G20-../DPE08LA4 | 206 | 24100 | 50000 | 1.2 | 2500 | 2.3 |
| 0.85 | 3700 | 1.55 | 1696 | BK70G20-../DPE08LA4 | 206 | 24100 | 50000 | 1.1 | 2750 | 2.1 |
| 0.7 | 4500 | 1.25 | 2040 | BK70G20-../DPE08LA4 | 206 | 24100 | 50000 | 0.85 | 3600 | 1.6 |
| 0.6 | 5200 | 1.1 | 2578 | BK70G20-../DPE08LA4 | 206 | 24100 | 50000 | 0.7 | 4400 | 1.3 |
| 0.65 | 4000 | 2.9 | 2205 | BK80G40-../DPE08LA4 | 348 | 30000 | 75000 | 0.8 | 3000 | 3.8 |
| 0.6 | 4400 | 2.6 | 2449 | BK80G40-../DPE08LA4 | 348 | 30000 | 75000 | 0.7 | 3600 | 3.2 |
| 0.55 | 4950 | 2.3 | 2811 | BK80G40-../DPE08LA4 | 348 | 30000 | 75000 | 0.65 | 3950 | 2.9 |
| 0.46 | 6200 | 1.85 | 3120 | BK80G40-../DPE08LA4 | 348 | 30000 | 75000 | 0.55 | 4950 | 2.3 |
| 0.38 | 7800 | 1.45 | 3776 | BK80G40-../DPE08LA4 | 348 | 30000 | 75000 | 0.46 | 6200 | 1.85 |
| 0.32 | 9500 | 1.2 | 4461 | BK80G40-../DPE08LA4 | 348 | 30000 | 75000 | 0.39 | 7600 | 1.5 |
| 0.29 | 10700 | 1.05 | 5032 | BK80G40-../DPE08LA4 | 348 | 30000 | 75000 | 0.34 | 8900 | 1.3 |
| 0.39 | 6900 | 2.7 | 3672 | BK90G50-../DPE08LA4 | 621 | 49400 | 120000 | 0.47 | 5400 | 3.4 |
| 0.35 | 7900 | 2.3 | 4070 | BK90G50-../DPE08LA4 | 621 | 49400 | 120000 | 0.43 | 6100 | 3.0 |
| 0.29 | 10000 | 1.85 | 4952 | BK90G50-../DPE08LA4 | 621 | 49400 | 120000 | 0.35 | 7900 | 2.3 |
| 0.26 | 11400 | 1.6 | 5491 | BK90G50-../DPE08LA4 | 621 | 49400 | 120000 | 0.32 | 8900 | 2.1 |
| 0.23 | 13200 | 1.4 | 6335 | BK90G50-../DPE08LA4 | 621 | 49400 | 120000 | 0.27 | 10900 | 1.7 |
| 0.21 | 14700 | 1.25 | 7022 | BK90G50-../DPE08LA4 | 621 | 49400 | 120000 | 0.25 | 12000 | 1.55 |
| 0.19 | 16400 | 1.15 | 7862 | BK90G50-../DPE08LA4 | 621 | 49400 | 120000 | 0.22 | 13900 | 1.35 |

P = 0.55 kW

| 50 Hz | | | i | Type | m | F _{RN} | F _{RV} | 60 Hz | | |
|-------------------------|----------------------|----------------|-------|------------------|----|-----------------|-----------------|-------------------------|----------------------|----------------|
| n ₂ 1/min | M ₂ Nm | f _B | | | | | | n ₂ 1/min | M ₂ Nm | f _B |
| 196 | 24.5 | 3.0 | 7.25 | BK06-../DPE08XA4 | 18 | 800 | - | 240 | 20 | 3.7 |
| 147 | 32.5 | 2.5 | 9.71 | BK06-../DPE08XA4 | 18 | 880 | - | 177 | 27 | 3.0 |
| 122 | 39.5 | 2.0 | 11.67 | BK06-../DPE08XA4 | 18 | 930 | - | 147 | 32.5 | 2.5 |
| 93 | 51 | 1.55 | 15.29 | BK06-../DPE08XA4 | 18 | 1020 | - | 112 | 42.5 | 1.9 |
| 79 | 59 | 1.35 | 18.00 | BK06-../DPE08XA4 | 18 | 1080 | - | 95 | 49.5 | 1.6 |
| 66 | 71 | 1.15 | 21.54 | BK06-../DPE08XA4 | 18 | 1150 | - | 80 | 59 | 1.35 |
| 54 | 87 | 0.92 | 26.36 | BK06-../DPE08XA4 | 18 | 1230 | - | 65 | 72 | 1.1 |
| 120 | 40 | 2.9 | 11.93 | BK10-../DPE08XA4 | 30 | 3100 | - | 144 | 33.5 | 3.4 |
| 84 | 56 | 2.4 | 16.92 | BK10-../DPE08XA4 | 30 | 3700 | - | 102 | 46 | 3.0 |
| 77 | 61 | 3.3 | 18.52 | BK10-../DPE08XA4 | 30 | 4300 | - | 93 | 50 | 4.0 |
| 63 | 75 | 2.7 | 22.65 | BK10-../DPE08XA4 | 30 | 4650 | - | 76 | 62 | 3.2 |
| 49.5 | 95 | 2.1 | 28.76 | BK10-../DPE08XA4 | 30 | 5200 | - | 60 | 78 | 2.6 |
| 41.5 | 113 | 1.75 | 34.25 | BK10-../DPE08XA4 | 30 | 5600 | - | 50 | 94 | 2.1 |
| 35 | 135 | 1.5 | 40.79 | BK10-../DPE08XA4 | 30 | 6000 | - | 42 | 112 | 1.8 |
| 29.5 | 158 | 1.25 | 48.96 | BK10-../DPE08XA4 | 30 | 6400 | - | 35 | 133 | 1.5 |
| 23.5 | 198 | 1.0 | 61.68 | BK10-../DPE08XA4 | 30 | 7000 | - | 28 | 166 | 1.2 |
| 20 | 230 | 0.87 | 72.31 | BK10-../DPE08XA4 | 30 | 7000 | - | 24 | 192 | 1.05 |
| 39 | 121 | 2.7 | 36.69 | BK20-../DPE08XA4 | 39 | 5400 | 9000 | 47 | 100 | 3.3 |
| 33.5 | 141 | 2.3 | 42.70 | BK20-../DPE08XA4 | 39 | 5800 | 9000 | 40.5 | 116 | 2.8 |
| 28 | 166 | 2.0 | 51.22 | BK20-../DPE08XA4 | 39 | 6300 | 9000 | 33.5 | 139 | 2.4 |
| 23.5 | 198 | 1.65 | 61.30 | BK20-../DPE08XA4 | 39 | 6500 | 9000 | 28 | 166 | 2.0 |
| 18.5 | 245 | 1.35 | 76.79 | BK20-../DPE08XA4 | 39 | 7500 | 9000 | 22.5 | 205 | 1.6 |
| 16.5 | 275 | 1.2 | 88.12 | BK20-../DPE08XA4 | 39 | 8000 | 9000 | 19.5 | 230 | 1.45 |
| 13.5 | 330 | 0.95 | 108.6 | BK20-../DPE08XA4 | 39 | 8700 | 9000 | 16 | 280 | 1.15 |

The torques marked (*) are maximum permissible torques for service factor f_B=1.0.



P = 0.55 kW

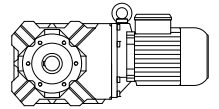
| 50 Hz | | | i | Type | m kg | F _{RN} N | F _{RV} N | 60 Hz | | |
|-------------------------|----------------------|----------------|-------|---------------------|---------|----------------------|----------------------|-------------------------|----------------------|----------------|
| n ₂ 1/min | M ₂ Nm | f _B | | | | | | n ₂ 1/min | M ₂ Nm | f _B |
| 11.5 | 385 | 0.86 | 124.2 | BK20Z-../DPE08XA4 | 41 | 8700 | 9000 | 14 | 315 | 1.05 |
| 33.5 | 139 | 3.2 | 42.89 | BK30-../DPE08XA4 | 45 | 7800 | 12000 | 40 | 116 | 3.9 |
| 28.5 | 162 | 2.8 | 50.27 | BK30-../DPE08XA4 | 45 | 8300 | 12000 | 34.5 | 133 | 3.4 |
| 24 | 192 | 2.3 | 59.27 | BK30-../DPE08XA4 | 45 | 8900 | 12000 | 29 | 159 | 2.8 |
| 20 | 225 | 2.0 | 71.56 | BK30-../DPE08XA4 | 45 | 9700 | 12000 | 24 | 190 | 2.4 |
| 16.5 | 270 | 1.65 | 88.38 | BK30-../DPE08XA4 | 45 | 10600 | 12000 | 19.5 | 230 | 1.95 |
| 14 | 315 | 1.45 | 102.4 | BK30-../DPE08XA4 | 45 | 11200 | 12000 | 17 | 260 | 1.75 |
| 11.5 | 385 | 1.15 | 123.9 | BK30Z-../DPE08XA4 | 48 | 11200 | 12000 | 14 | 315 | 1.45 |
| 9.8 | 450 | 1.0 | 145.1 | BK30Z-../DPE08XA4 | 48 | 11200 | 12000 | 12 | 365 | 1.25 |
| 7.7 | 560 | 0.8 | 184.8 | BK30Z-../DPE08XA4 | 48 | 11200 | 12000 | 9.3 | 465 | 0.97 |
| 17 | 265 | 2.9 | 84.36 | BK40-../DPE08XA4 | 65 | 10700 | 17000 | 20.5 | 220 | 3.5 |
| 14 | 315 | 2.5 | 104.0 | BK40-../DPE08XA4 | 65 | 11700 | 17000 | 16.5 | 270 | 2.9 |
| 12.5 | 355 | 2.2 | 118.2 | BK40Z-../DPE08XA4 | 70 | 11700 | 17000 | 14.5 | 305 | 2.6 |
| 10 | 440 | 1.75 | 143.0 | BK40Z-../DPE08XA4 | 70 | 11700 | 17000 | 12 | 365 | 2.1 |
| 8.5 | 510 | 1.55 | 169.0 | BK40Z-../DPE08XA4 | 70 | 11700 | 17000 | 10.5 | 415 | 1.9 |
| 6.8 | 630 | 1.25 | 211.5 | BK40Z-../DPE08XA4 | 70 | 11700 | 17000 | 8.1 | 530 | 1.45 |
| 5.8 | 730 | 1.05 | 246.6 | BK40Z-../DPE08XA4 | 70 | 11700 | 17000 | 7.0 | 600 | 1.3 |
| 4.9 | 860 | 0.8 | 289.8 | BK40Z-../DPE08XA4 | 70 | 11700 | 17000 | 6.0 | 700 | 0.98 |
| 12.5 | 355 | 3.0 | 115.4 | BK50Z-../DPE08XA4 | 98 | 14100 | 26000 | 15 | 295 | 3.6 |
| 9.3 | 465 | 2.3 | 153.3 | BK50Z-../DPE08XA4 | 98 | 14100 | 26000 | 11.5 | 375 | 2.8 |
| 6.9 | 620 | 1.7 | 206.8 | BK50Z-../DPE08XA4 | 98 | 14100 | 26000 | 8.3 | 510 | 2.1 |
| 5.4 | 780 | 1.35 | 264.5 | BK50Z-../DPE08XA4 | 98 | 14100 | 26000 | 6.5 | 650 | 1.6 |
| 4.4 | 960 | 1.05 | 328.2 | BK50Z-../DPE08XA4 | 98 | 14100 | 26000 | 5.3 | 800 | 1.25 |
| 3.1 | 1290 | 0.89 | 465.1 | BK50G10-../DPE08XA4 | 103 | 14100 | 111000 | 3.7 | 1080 | 1.05 |
| 2.8 | 1420 | 0.81 | 513.4 | BK50G10-../DPE08XA4 | 103 | 14100 | 111000 | 3.4 | 1170 | 0.98 |
| 7.0 | 750 | 3.1 | 205.0 | BK60Z-../DPE08XA4 | 121 | 16600 | 34000 | 8.4 | 620 | 3.7 |
| 6.0 | 870 | 2.6 | 239.7 | BK60Z-../DPE08XA4 | 121 | 16600 | 34000 | 7.2 | 720 | 3.2 |
| 5.3 | 990 | 2.3 | 268.2 | BK60Z-../DPE08XA4 | 121 | 16600 | 34000 | 6.4 | 820 | 2.8 |
| 4.5 | 1160 | 2.0 | 317.7 | BK60Z-../DPE08XA4 | 121 | 16600 | 34000 | 5.4 | 970 | 2.4 |
| 4.0 | 1310 | 1.75 | 355.5 | BK60Z-../DPE08XA4 | 121 | 16600 | 34000 | 4.9 | 1070 | 2.1 |
| 3.5 | 1500 | 1.55 | 411.5 | BK60Z-../DPE08XA4 | 121 | 16600 | 34000 | 4.2 | 1250 | 1.85 |
| 3.1 | 1690 | 1.35 | 460.4 | BK60Z-../DPE08XA4 | 121 | 16600 | 34000 | 3.8 | 1380 | 1.65 |
| 2.9 | 1810 | 1.25 | 498.0 | BK60Z-../DPE08XA4 | 121 | 16600 | 34000 | 3.5 | 1500 | 1.55 |
| 2.6 | 2000 | 1.15 | 557.2 | BK60Z-../DPE08XA4 | 121 | 16600 | 34000 | 3.1 | 1690 | 1.35 |
| 2.3 | 2000 | 1.25 | 621.5 | BK60G20-../DPE08XA4 | 129 | 16600 | 34000 | 2.8 | 1610 | 1.55 |
| 1.9 | 2400 | 1.05 | 752.1 | BK60G20-../DPE08XA4 | 129 | 16600 | 34000 | 2.3 | 1960 | 1.3 |
| 1.6 | 2900 | 0.86 | 887.8 | BK60G20-../DPE08XA4 | 129 | 16600 | 34000 | 2.0 | 2250 | 1.1 |
| 3.3 | 1590 | 3.3 | 432.1 | BK70Z-../DPE08XA4 | 210 | 24100 | 50000 | 4.0 | 1310 | 4.0 |
| 2.9 | 1810 | 2.9 | 501.8 | BK70Z-../DPE08XA4 | 210 | 24100 | 50000 | 3.5 | 1500 | 3.5 |
| 2.5 | 2100 | 2.5 | 570.8 | BK70Z-../DPE08XA4 | 210 | 24100 | 50000 | 3.0 | 1750 | 3.0 |
| 2.3 | 2250 | 2.3 | 644.9 | BK70Z-../DPE08XA4 | 210 | 24100 | 50000 | 2.7 | 1940 | 2.7 |
| 2.0 | 2600 | 2.0 | 733.6 | BK70Z-../DPE08XA4 | 210 | 24100 | 50000 | 2.4 | 2150 | 2.4 |
| 1.7 | 2700 | 2.1 | 847.7 | BK70G20-../DPE08XA4 | 207 | 24100 | 50000 | 2.1 | 2100 | 2.7 |
| 1.5 | 3050 | 1.85 | 964.6 | BK70G20-../DPE08XA4 | 207 | 24100 | 50000 | 1.8 | 2500 | 2.3 |
| 1.3 | 3600 | 1.6 | 1139 | BK70G20-../DPE08XA4 | 207 | 24100 | 50000 | 1.6 | 2850 | 2.0 |
| 1.2 | 4000 | 1.45 | 1280 | BK70G20-../DPE08XA4 | 207 | 24100 | 50000 | 1.4 | 3350 | 1.7 |
| 1.0 | 4800 | 1.2 | 1457 | BK70G20-../DPE08XA4 | 207 | 24100 | 50000 | 1.2 | 3900 | 1.45 |
| 1.1 | 3750 | 3.1 | 1307 | BK80G40-../DPE08XA4 | 349 | 30000 | 75000 | 1.4 | 2700 | 4.3 |
| 1.0 | 4050 | 2.8 | 1425 | BK80G40-../DPE08XA4 | 349 | 30000 | 75000 | 1.2 | 3150 | 3.7 |
| 0.9 | 4600 | 2.5 | 1583 | BK80G40-../DPE08XA4 | 349 | 30000 | 75000 | 1.1 | 3550 | 3.2 |

The torques marked (*) are maximum permissible torques for service factor f_B=1,0.

BK-series bevel geared motors

Selection - bevel geared motors

P = 0.55 kW



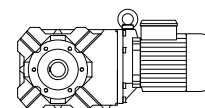
| 50 Hz | | | i | Type | m | F _{RN} | F _{RV} | 60 Hz | | |
|-------------------------|----------------------|----------------|------|---------------------|-----|-----------------|-----------------|-------------------------|----------------------|----------------|
| n ₂ 1/min | M ₂ Nm | f _B | | | | | | n ₂ 1/min | M ₂ Nm | f _B |
| 0.8 | 5200 | 2.2 | 1775 | BK80G40-../DPE08XA4 | 349 | 30000 | 75000 | 1.0 | 3950 | 2.9 |
| 0.65 | 6600 | 1.75 | 2205 | BK80G40-../DPE08XA4 | 349 | 30000 | 75000 | 0.8 | 5100 | 2.3 |
| 0.6 | 7300 | 1.6 | 2449 | BK80G40-../DPE08XA4 | 349 | 30000 | 75000 | 0.7 | 6000 | 1.9 |
| 0.55 | 8000 | 1.45 | 2811 | BK80G40-../DPE08XA4 | 349 | 30000 | 75000 | 0.65 | 6600 | 1.75 |
| 0.46 | 9900 | 1.15 | 3120 | BK80G40-../DPE08XA4 | 349 | 30000 | 75000 | 0.55 | 8000 | 1.45 |
| 0.55 | 7400 | 2.5 | 2764 | BK90G50-../DPE08XA4 | 622 | 49400 | 120000 | 0.65 | 5900 | 3.1 |
| 0.47 | 9000 | 2.1 | 3065 | BK90G50-../DPE08XA4 | 622 | 49400 | 120000 | 0.6 | 6600 | 2.8 |
| 0.39 | 11300 | 1.65 | 3672 | BK90G50-../DPE08XA4 | 622 | 49400 | 120000 | 0.47 | 9000 | 2.1 |
| 0.35 | 12900 | 1.45 | 4070 | BK90G50-../DPE08XA4 | 622 | 49400 | 120000 | 0.43 | 10100 | 1.85 |
| 0.29 | 16000 | 1.15 | 4952 | BK90G50-../DPE08XA4 | 622 | 49400 | 120000 | 0.35 | 12900 | 1.45 |
| 0.26 | 18000 | 1.05 | 5491 | BK90G50-../DPE08XA4 | 622 | 49400 | 120000 | 0.32 | 14300 | 1.3 |

P = 0.75 kW

| 50 Hz | | | i | Type | m | F _{RN} | F _{RV} | 60 Hz | | |
|-------------------------|----------------------|----------------|-------|-------------------|----|-----------------|-----------------|-------------------------|----------------------|----------------|
| n ₂ 1/min | M ₂ Nm | f _B | | | | | | n ₂ 1/min | M ₂ Nm | f _B |
| 196 | 33.5 | 2.2 | 7.25 | BK06-../DPE08XB4 | 18 | 800 | - | 240 | 27 | 2.7 |
| 147 | 44.5 | 1.8 | 9.71 | BK06-../DPE08XB4 | 18 | 880 | - | 177 | 37 | 2.2 |
| 122 | 54 | 1.5 | 11.67 | BK06-../DPE08XB4 | 18 | 930 | - | 147 | 44.5 | 1.8 |
| 93 | 70 | 1.15 | 15.29 | BK06-../DPE08XB4 | 18 | 1020 | - | 112 | 58 | 1.4 |
| 79 | 81 | 0.99 | 18.00 | BK06-../DPE08XB4 | 18 | 1080 | - | 95 | 67 | 1.2 |
| 66 | 97 | 0.82 | 21.54 | BK06-../DPE08XB4 | 18 | 1150 | - | 80 | 80 | 1.0 |
| 185 | 35.5 | 3.2 | 7.68 | BK10-../DPE08XB4 | 30 | 2400 | - | 225 | 29 | 4.0 |
| 152 | 43 | 2.7 | 9.40 | BK10-../DPE08XB4 | 30 | 2700 | - | 182 | 36 | 3.2 |
| 120 | 54 | 2.1 | 11.93 | BK10-../DPE08XB4 | 30 | 3100 | - | 144 | 45.5 | 2.5 |
| 98 | 65 | 3.1 | 14.50 | BK10-../DPE08XB4 | 30 | 3900 | - | 118 | 54 | 3.7 |
| 84 | 76 | 1.8 | 16.92 | BK10-../DPE08XB4 | 30 | 3700 | - | 102 | 63 | 2.2 |
| 77 | 83 | 2.4 | 18.52 | BK10-../DPE08XB4 | 30 | 4300 | - | 93 | 69 | 2.9 |
| 63 | 102 | 1.95 | 22.65 | BK10-../DPE08XB4 | 30 | 4650 | - | 76 | 84 | 2.4 |
| 49.5 | 130 | 1.55 | 28.76 | BK10-../DPE08XB4 | 30 | 5200 | - | 60 | 107 | 1.85 |
| 41.5 | 155 | 1.3 | 34.25 | BK10-../DPE08XB4 | 30 | 5600 | - | 50 | 128 | 1.55 |
| 35 | 184 | 1.1 | 40.79 | BK10-../DPE08XB4 | 30 | 6000 | - | 42 | 153 | 1.3 |
| 29.5 | 215 | 0.93 | 48.96 | BK10-../DPE08XB4 | 30 | 6400 | - | 35 | 182 | 1.1 |
| 82 | 79 | 2.9 | 17.42 | BK20-../DPE08XB4 | 39 | 3250 | 9000 | 99 | 65 | 3.6 |
| 59 | 109 | 3.0 | 24.29 | BK20-../DPE08XB4 | 39 | 4500 | 9000 | 71 | 90 | 3.7 |
| 50 | 128 | 2.6 | 28.66 | BK20-../DPE08XB4 | 39 | 4850 | 9000 | 60 | 107 | 3.1 |
| 39 | 165 | 2.0 | 36.69 | BK20-../DPE08XB4 | 39 | 5400 | 9000 | 47 | 137 | 2.4 |
| 33.5 | 192 | 1.7 | 42.70 | BK20-../DPE08XB4 | 39 | 5800 | 9000 | 40.5 | 159 | 2.1 |
| 28 | 225 | 1.45 | 51.22 | BK20-../DPE08XB4 | 39 | 6300 | 9000 | 33.5 | 190 | 1.75 |
| 23.5 | 270 | 1.2 | 61.30 | BK20-../DPE08XB4 | 39 | 6500 | 9000 | 28 | 225 | 1.45 |
| 18.5 | 340 | 0.97 | 76.79 | BK20-../DPE08XB4 | 39 | 7500 | 9000 | 22.5 | 280 | 1.2 |
| 16.5 | 375 | 0.88 | 88.12 | BK20-../DPE08XB4 | 39 | 8000 | 9000 | 19.5 | 315 | 1.05 |
| 42.5 | 151 | 3.0 | 33.70 | BK30-../DPE08XB4 | 45 | 7000 | 12000 | 51 | 126 | 3.6 |
| 33.5 | 190 | 2.4 | 42.89 | BK30-../DPE08XB4 | 45 | 7800 | 12000 | 40 | 159 | 2.8 |
| 28.5 | 220 | 2.0 | 50.27 | BK30-../DPE08XB4 | 45 | 8300 | 12000 | 34.5 | 182 | 2.5 |
| 24 | 260 | 1.75 | 59.27 | BK30-../DPE08XB4 | 45 | 8900 | 12000 | 29 | 215 | 2.1 |
| 20 | 310 | 1.45 | 71.56 | BK30-../DPE08XB4 | 45 | 9700 | 12000 | 24 | 255 | 1.75 |
| 16.5 | 370 | 1.2 | 88.38 | BK30-../DPE08XB4 | 45 | 10600 | 12000 | 19.5 | 315 | 1.45 |
| 14 | 430 | 1.05 | 102.4 | BK30-../DPE08XB4 | 45 | 11200 | 12000 | 17 | 355 | 1.25 |
| 11.5 | 520 | 0.87 | 123.9 | BK30Z-../DPE08XB4 | 48 | 11200 | 12000 | 14 | 430 | 1.05 |

The torques marked (*) are maximum permissible torques for service factor f_B=1.0.

P = 0.75 kW



| 50 Hz | | | i | Type | m | F _{RN} | F _{RV} | 60 Hz | | |
|-------------------------|----------------------|----------------|-------|---------------------|-----|-----------------|-----------------|-------------------------|----------------------|----------------|
| n ₂ 1/min | M ₂ Nm | f _B | | | | | | n ₂ 1/min | M ₂ Nm | f _B |
| 24 | 260 | 3.0 | 59.66 | BK40-../DPE08XB4 | 66 | 9100 | 17000 | 29 | 215 | 3.6 |
| 20.5 | 300 | 2.6 | 70.11 | BK40-../DPE08XB4 | 66 | 9800 | 17000 | 24.5 | 250 | 3.1 |
| 17 | 365 | 2.1 | 84.36 | BK40-../DPE08XB4 | 66 | 10700 | 17000 | 20.5 | 300 | 2.6 |
| 14 | 430 | 1.8 | 104.0 | BK40-../DPE08XB4 | 66 | 11700 | 17000 | 16.5 | 365 | 2.1 |
| 12.5 | 485 | 1.6 | 118.2 | BK40Z-../DPE08XB4 | 70 | 11700 | 17000 | 14.5 | 415 | 1.9 |
| 10 | 600 | 1.3 | 143.0 | BK40Z-../DPE08XB4 | 70 | 11700 | 17000 | 12 | 500 | 1.55 |
| 8.5 | 690 | 1.15 | 169.0 | BK40Z-../DPE08XB4 | 70 | 11700 | 17000 | 10.5 | 560 | 1.4 |
| 6.8 | 860 | 0.91 | 211.5 | BK40Z-../DPE08XB4 | 70 | 11700 | 17000 | 8.1 | 720 | 1.1 |
| 19 | 325 | 3.2 | 75.40 | BK50-../DPE08XB4 | 94 | 12600 | 26000 | 23 | 270 | 3.9 |
| 15 | 410 | 2.6 | 95.29 | BK50-../DPE08XB4 | 94 | 14100 | 26000 | 18 | 340 | 3.1 |
| 12.5 | 485 | 2.2 | 115.4 | BK50Z-../DPE08XB4 | 99 | 14100 | 26000 | 15 | 405 | 2.6 |
| 9.3 | 630 | 1.65 | 153.3 | BK50Z-../DPE08XB4 | 99 | 14100 | 26000 | 11.5 | 510 | 2.1 |
| 6.9 | 850 | 1.25 | 206.8 | BK50Z-../DPE08XB4 | 99 | 14100 | 26000 | 8.3 | 700 | 1.5 |
| 5.4 | 1070 | 0.98 | 264.5 | BK50Z-../DPE08XB4 | 99 | 14100 | 26000 | 6.5 | 890 | 1.2 |
| 9.3 | 770 | 3.0 | 153.7 | BK60Z-../DPE08XB4 | 122 | 16600 | 34000 | 11.5 | 620 | 3.7 |
| 7.8 | 910 | 2.5 | 183.2 | BK60Z-../DPE08XB4 | 122 | 16600 | 34000 | 9.4 | 760 | 3.0 |
| 7.0 | 1020 | 2.3 | 205.0 | BK60Z-../DPE08XB4 | 122 | 16600 | 34000 | 8.4 | 850 | 2.7 |
| 6.0 | 1190 | 1.95 | 239.7 | BK60Z-../DPE08XB4 | 122 | 16600 | 34000 | 7.2 | 990 | 2.3 |
| 5.3 | 1350 | 1.7 | 268.2 | BK60Z-../DPE08XB4 | 122 | 16600 | 34000 | 6.4 | 1110 | 2.1 |
| 4.5 | 1590 | 1.45 | 317.7 | BK60Z-../DPE08XB4 | 122 | 16600 | 34000 | 5.4 | 1320 | 1.75 |
| 4.0 | 1790 | 1.3 | 355.5 | BK60Z-../DPE08XB4 | 122 | 16600 | 34000 | 4.9 | 1460 | 1.6 |
| 3.5 | 2000 | 1.15 | 411.5 | BK60Z-../DPE08XB4 | 122 | 16600 | 34000 | 4.2 | 1700 | 1.35 |
| 3.1 | 2300 | 1.0 | 460.4 | BK60Z-../DPE08XB4 | 122 | 16600 | 34000 | 3.8 | 1880 | 1.2 |
| 2.9 | 2450 | 0.94 | 498.0 | BK60Z-../DPE08XB4 | 122 | 16600 | 34000 | 3.5 | 2000 | 1.15 |
| 2.6 | 2750 | 0.84 | 557.2 | BK60Z-../DPE08XB4 | 122 | 16600 | 34000 | 3.1 | 2300 | 1.0 |
| 2.3 | 2850 | 0.88 | 621.5 | BK60G20-../DPE08XB4 | 129 | 16600 | 34000 | 2.8 | 2250 | 1.1 |
| 4.3 | 1660 | 3.1 | 333.6 | BK70Z-../DPE08XB4 | 210 | 24100 | 50000 | 5.2 | 1370 | 3.8 |
| 3.8 | 1880 | 2.8 | 379.9 | BK70Z-../DPE08XB4 | 210 | 24100 | 50000 | 4.6 | 1550 | 3.4 |
| 3.3 | 2150 | 2.4 | 432.1 | BK70Z-../DPE08XB4 | 210 | 24100 | 50000 | 4.0 | 1790 | 2.9 |
| 2.9 | 2450 | 2.1 | 501.8 | BK70Z-../DPE08XB4 | 210 | 24100 | 50000 | 3.5 | 2000 | 2.6 |
| 2.5 | 2850 | 1.8 | 570.8 | BK70Z-../DPE08XB4 | 210 | 24100 | 50000 | 3.0 | 2350 | 2.2 |
| 2.3 | 3100 | 1.7 | 644.9 | BK70Z-../DPE08XB4 | 210 | 24100 | 50000 | 2.7 | 2650 | 1.95 |
| 2.0 | 3550 | 1.45 | 733.6 | BK70Z-../DPE08XB4 | 210 | 24100 | 50000 | 2.4 | 2950 | 1.75 |
| 1.7 | 3850 | 1.5 | 847.7 | BK70G20-../DPE08XB4 | 208 | 24100 | 50000 | 2.1 | 3050 | 1.85 |
| 1.5 | 4350 | 1.3 | 964.6 | BK70G20-../DPE08XB4 | 208 | 24100 | 50000 | 1.8 | 3550 | 1.6 |
| 1.3 | 5000 | 1.15 | 1139 | BK70G20-../DPE08XB4 | 208 | 24100 | 50000 | 1.6 | 4000 | 1.45 |
| 1.2 | 5500 | 1.05 | 1280 | BK70G20-../DPE08XB4 | 208 | 24100 | 50000 | 1.4 | 4700 | 1.2 |
| 1.0 | 6700 | 0.85 | 1457 | BK70G20-../DPE08XB4 | 208 | 24100 | 50000 | 1.2 | 5500 | 1.05 |
| 1.5 | 3850 | 3.0 | 963.0 | BK80G40-../DPE08XB4 | 350 | 30000 | 75000 | 1.8 | 3050 | 3.8 |
| 1.4 | 4100 | 2.8 | 1079 | BK80G40-../DPE08XB4 | 350 | 30000 | 75000 | 1.6 | 3450 | 3.3 |
| 1.1 | 5400 | 2.1 | 1307 | BK80G40-../DPE08XB4 | 350 | 30000 | 75000 | 1.4 | 4100 | 2.8 |
| 1.0 | 5900 | 1.95 | 1425 | BK80G40-../DPE08XB4 | 350 | 30000 | 75000 | 1.2 | 4750 | 2.4 |
| 0.9 | 6700 | 1.7 | 1583 | BK80G40-../DPE08XB4 | 350 | 30000 | 75000 | 1.1 | 5200 | 2.2 |
| 0.8 | 7600 | 1.5 | 1775 | BK80G40-../DPE08XB4 | 350 | 30000 | 75000 | 1.0 | 5800 | 2.0 |
| 0.65 | 9600 | 1.2 | 2205 | BK80G40-../DPE08XB4 | 350 | 30000 | 75000 | 0.8 | 7500 | 1.55 |
| 0.6 | 10400 | 1.1 | 2449 | BK80G40-../DPE08XB4 | 350 | 30000 | 75000 | 0.7 | 8700 | 1.3 |
| 0.9 | 6400 | 2.9 | 1579 | BK90G50-../DPE08XB4 | 622 | 49400 | 120000 | 1.1 | 5000 | 3.7 |
| 0.8 | 7200 | 2.6 | 1803 | BK90G50-../DPE08XB4 | 622 | 49400 | 120000 | 0.95 | 5800 | 3.2 |
| 0.75 | 7600 | 2.4 | 2016 | BK90G50-../DPE08XB4 | 622 | 49400 | 120000 | 0.85 | 6500 | 2.8 |
| 0.55 | 10900 | 1.7 | 2764 | BK90G50-../DPE08XB4 | 622 | 49400 | 120000 | 0.65 | 8900 | 2.1 |
| 0.47 | 13100 | 1.4 | 3065 | BK90G50-../DPE08XB4 | 622 | 49400 | 120000 | 0.6 | 9800 | 1.9 |
| 0.39 | 16200 | 1.15 | 3672 | BK90G50-../DPE08XB4 | 622 | 49400 | 120000 | 0.47 | 13100 | 1.4 |
| 0.35 | 18300 | 1.0 | 4070 | BK90G50-../DPE08XB4 | 622 | 49400 | 120000 | 0.43 | 14500 | 1.3 |

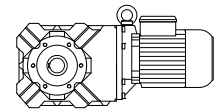
The torques marked (*) are maximum permissible torques for service factor f_B=1.0.



BK-series bevel geared motors

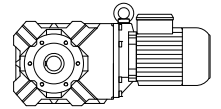
Selection - bevel geared motors

P = 1.1 kW



| 50 Hz | | | i | Type | m | F _{RN} | F _{RV} | 60 Hz | | |
|-------------------------|----------------------|----------------|-------|-------------------|-----|-----------------|-----------------|-------------------------|----------------------|----------------|
| n ₂ 1/min | M ₂ Nm | f _B | | | | | | n ₂ 1/min | M ₂ Nm | f _B |
| 325 | 29.5 | 3.2 | 4.44 | BK10-../DPE09XA4 | 40 | 1900 | - | 395 | 24 | 4.0 |
| 240 | 40 | 2.6 | 6.02 | BK10-../DPE09XA4 | 40 | 2100 | - | 290 | 33 | 3.2 |
| 188 | 51 | 2.3 | 7.68 | BK10-../DPE09XA4 | 40 | 2400 | - | 230 | 42 | 2.7 |
| 154 | 62 | 1.85 | 9.40 | BK10-../DPE09XA4 | 40 | 2700 | - | 186 | 51 | 2.3 |
| 135 | 70 | 2.6 | 10.70 | BK10-../DPE09XA4 | 40 | 3500 | - | 163 | 58 | 3.1 |
| 121 | 79 | 1.45 | 11.93 | BK10-../DPE09XA4 | 40 | 3100 | - | 146 | 66 | 1.75 |
| 100 | 94 | 2.1 | 14.50 | BK10-../DPE09XA4 | 40 | 3900 | - | 120 | 78 | 2.6 |
| 86 | 109 | 1.25 | 16.92 | BK10-../DPE09XA4 | 40 | 3700 | - | 103 | 91 | 1.5 |
| 78 | 121 | 1.65 | 18.52 | BK10-../DPE09XA4 | 40 | 4300 | - | 94 | 100 | 2.0 |
| 64 | 147 | 1.35 | 22.65 | BK10-../DPE09XA4 | 40 | 4650 | - | 77 | 122 | 1.65 |
| 51 | 185 | 1.1 | 28.76 | BK10-../DPE09XA4 | 40 | 5200 | - | 61 | 154 | 1.3 |
| 42.5 | 220 | 0.91 | 34.25 | BK10-../DPE09XA4 | 40 | 5600 | - | 51 | 185 | 1.1 |
| 124 | 77 | 3.0 | 11.69 | BK20-../DPE09XA4 | 50 | 2400 | 8800 | 149 | 64 | 3.6 |
| 83 | 115 | 2.0 | 17.42 | BK20-../DPE09XA4 | 50 | 3250 | 9000 | 100 | 95 | 2.4 |
| 75 | 126 | 2.6 | 19.39 | BK20-../DPE09XA4 | 50 | 4050 | 9000 | 90 | 105 | 3.1 |
| 60 | 157 | 2.1 | 24.29 | BK20-../DPE09XA4 | 50 | 4500 | 9000 | 72 | 131 | 2.5 |
| 51 | 185 | 1.8 | 28.66 | BK20-../DPE09XA4 | 50 | 4850 | 9000 | 61 | 154 | 2.1 |
| 39.5 | 235 | 1.4 | 36.69 | BK20-../DPE09XA4 | 50 | 5400 | 9000 | 47.5 | 199 | 1.65 |
| 34 | 275 | 1.2 | 42.70 | BK20-../DPE09XA4 | 50 | 5800 | 9000 | 41 | 230 | 1.45 |
| 28.5 | 325 | 1.0 | 51.22 | BK20-../DPE09XA4 | 50 | 6300 | 9000 | 34 | 270 | 1.2 |
| 23.5 | 395 | 0.84 | 61.30 | BK20-../DPE09XA4 | 50 | 6500 | 9000 | 28.5 | 325 | 1.0 |
| 70 | 136 | 2.4 | 20.85 | BK30-../DPE09XA4 | 56 | 5000 | 12000 | 84 | 113 | 2.8 |
| 63 | 150 | 3.0 | 23.20 | BK30-../DPE09XA4 | 56 | 5900 | 12000 | 75 | 126 | 3.6 |
| 51 | 185 | 2.4 | 28.76 | BK30-../DPE09XA4 | 56 | 6500 | 12000 | 61 | 154 | 2.9 |
| 43 | 215 | 2.1 | 33.70 | BK30-../DPE09XA4 | 56 | 7000 | 12000 | 52 | 181 | 2.5 |
| 34 | 270 | 1.65 | 42.89 | BK30-../DPE09XA4 | 56 | 7800 | 12000 | 41 | 225 | 2.0 |
| 29 | 315 | 1.45 | 50.27 | BK30-../DPE09XA4 | 56 | 8300 | 12000 | 35 | 260 | 1.75 |
| 24.5 | 375 | 1.2 | 59.27 | BK30-../DPE09XA4 | 56 | 8900 | 12000 | 29.5 | 310 | 1.45 |
| 20.5 | 445 | 1.0 | 71.56 | BK30-../DPE09XA4 | 56 | 9700 | 12000 | 24.5 | 370 | 1.2 |
| 16.5 | 540 | 0.83 | 88.38 | BK30-../DPE09XA4 | 56 | 10600 | 12000 | 20 | 450 | 1.0 |
| 35.5 | 265 | 2.9 | 40.88 | BK40-../DPE09XA4 | 76 | 7600 | 17000 | 43 | 215 | 3.6 |
| 28.5 | 320 | 2.4 | 51.18 | BK40-../DPE09XA4 | 76 | 8400 | 17000 | 34 | 270 | 2.9 |
| 24.5 | 375 | 2.1 | 59.66 | BK40-../DPE09XA4 | 76 | 9100 | 17000 | 29.5 | 310 | 2.5 |
| 21 | 435 | 1.8 | 70.11 | BK40-../DPE09XA4 | 76 | 9800 | 17000 | 25 | 365 | 2.1 |
| 17.5 | 520 | 1.5 | 84.36 | BK40-../DPE09XA4 | 76 | 10700 | 17000 | 21 | 435 | 1.8 |
| 14 | 630 | 1.25 | 104.0 | BK40-../DPE09XA4 | 76 | 11700 | 17000 | 17 | 520 | 1.5 |
| 12.5 | 710 | 1.1 | 118.2 | BK40Z-../DPE09XA4 | 80 | 11700 | 17000 | 15 | 590 | 1.3 |
| 10.5 | 840 | 0.93 | 143.0 | BK40Z-../DPE09XA4 | 80 | 11700 | 17000 | 12.5 | 700 | 1.1 |
| 24 | 385 | 2.7 | 60.76 | BK50-../DPE09XA4 | 104 | 11400 | 26000 | 29 | 315 | 3.3 |
| 19.5 | 465 | 2.3 | 75.40 | BK50-../DPE09XA4 | 104 | 12600 | 26000 | 23.5 | 385 | 2.7 |
| 15.5 | 580 | 1.8 | 95.29 | BK50-../DPE09XA4 | 104 | 14100 | 26000 | 18.5 | 485 | 2.2 |
| 12.5 | 710 | 1.5 | 115.4 | BK50Z-../DPE09XA4 | 109 | 14100 | 26000 | 15.5 | 570 | 1.85 |
| 9.4 | 920 | 1.15 | 153.3 | BK50Z-../DPE09XA4 | 109 | 14100 | 26000 | 11.5 | 750 | 1.4 |
| 7.0 | 1230 | 0.85 | 206.8 | BK50Z-../DPE09XA4 | 109 | 14100 | 26000 | 8.5 | 1010 | 1.05 |

The torques marked (*) are maximum permissible torques for service factor f_B=1,0.



P = 1.1 kW

| 50 Hz | | | i | Type | m | F _{RN} | F _{RV} | 60 Hz | | |
|-------------------------|----------------------|----------------|-------|---------------------|-----|-----------------|-----------------|-------------------------|----------------------|----------------|
| n ₂ 1/min | M ₂ Nm | f _B | | | | | | n ₂ 1/min | M ₂ Nm | f _B |
| 14.5 | 720 | 3.2 | 101.2 | BK60-../DPE09XA4 | 113 | 13900 | 34000 | 17.5 | 600 | 3.8 |
| 13 | 800 | 2.9 | 113.2 | BK60-../DPE09XA4 | 113 | 15000 | 34000 | 15.5 | 670 | 3.4 |
| 12 | 870 | 2.6 | 122.5 | BK60-../DPE09XA4 | 113 | 15500 | 34000 | 14.5 | 720 | 3.2 |
| 11 | 950 | 2.4 | 137.0 | BK60-../DPE09XA4 | 113 | 16600 | 34000 | 13 | 800 | 2.9 |
| 9.4 | 1110 | 2.1 | 153.7 | BK60Z-../DPE09XA4 | 132 | 16600 | 34000 | 11.5 | 910 | 2.5 |
| 7.9 | 1320 | 1.75 | 183.2 | BK60Z-../DPE09XA4 | 132 | 16600 | 34000 | 9.5 | 1100 | 2.1 |
| 7.1 | 1470 | 1.55 | 205.0 | BK60Z-../DPE09XA4 | 132 | 16600 | 34000 | 8.5 | 1230 | 1.85 |
| 6.1 | 1720 | 1.35 | 239.7 | BK60Z-../DPE09XA4 | 132 | 16600 | 34000 | 7.3 | 1430 | 1.6 |
| 5.4 | 1940 | 1.2 | 268.2 | BK60Z-../DPE09XA4 | 132 | 16600 | 34000 | 6.5 | 1610 | 1.45 |
| 4.6 | 2250 | 1.0 | 317.7 | BK60Z-../DPE09XA4 | 132 | 16600 | 34000 | 5.5 | 1910 | 1.2 |
| 4.1 | 2550 | 0.9 | 355.5 | BK60Z-../DPE09XA4 | 132 | 16600 | 34000 | 4.9 | 2100 | 1.1 |
| 6.4 | 1640 | 3.2 | 226.2 | BK70Z-../DPE09XA4 | 220 | 24100 | 50000 | 7.7 | 1360 | 3.8 |
| 5.6 | 1870 | 2.8 | 257.3 | BK70Z-../DPE09XA4 | 220 | 24100 | 50000 | 6.8 | 1540 | 3.4 |
| 5.0 | 2100 | 2.5 | 293.3 | BK70Z-../DPE09XA4 | 220 | 24100 | 50000 | 6.0 | 1750 | 3.0 |
| 4.4 | 2350 | 2.2 | 333.6 | BK70Z-../DPE09XA4 | 220 | 24100 | 50000 | 5.3 | 1980 | 2.6 |
| 3.8 | 2750 | 1.9 | 379.9 | BK70Z-../DPE09XA4 | 220 | 24100 | 50000 | 4.6 | 2250 | 2.3 |
| 3.4 | 3050 | 1.7 | 432.1 | BK70Z-../DPE09XA4 | 220 | 24100 | 50000 | 4.1 | 2550 | 2.0 |
| 2.9 | 3600 | 1.45 | 501.8 | BK70Z-../DPE09XA4 | 220 | 24100 | 50000 | 3.5 | 3000 | 1.75 |
| 2.6 | 4000 | 1.3 | 570.8 | BK70Z-../DPE09XA4 | 220 | 24100 | 50000 | 3.1 | 3350 | 1.55 |
| 2.3 | 4550 | 1.15 | 644.9 | BK70Z-../DPE09XA4 | 220 | 24100 | 50000 | 2.7 | 3850 | 1.35 |
| 2.0 | 5200 | 1.0 | 733.6 | BK70Z-../DPE09XA4 | 220 | 24100 | 50000 | 2.4 | 4350 | 1.2 |
| 1.7 | 5800 | 0.98 | 847.7 | BK70G20-../DPE09XA4 | 218 | 24100 | 50000 | 2.1 | 4600 | 1.25 |
| 1.5 | 6500 | 0.88 | 964.6 | BK70G20-../DPE09XA4 | 218 | 24100 | 50000 | 1.9 | 5100 | 1.1 |
| 2.9 | 3600 | 3.2 | 499.5 | BK80Z-../DPE09XA4 | 349 | 30000 | 75000 | 3.5 | 3000 | 3.8 |
| 2.6 | 4000 | 2.9 | 559.5 | BK80Z-../DPE09XA4 | 349 | 30000 | 75000 | 3.2 | 3250 | 3.5 |
| 2.4 | 3600 | 3.2 | 607.8 | BK80G40-../DPE09XA4 | 360 | 30000 | 75000 | 2.9 | 2850 | 4.0 |
| 2.2 | 3900 | 2.9 | 680.9 | BK80G40-../DPE09XA4 | 360 | 30000 | 75000 | 2.6 | 3200 | 3.6 |
| 2.0 | 4400 | 2.6 | 756.3 | BK80G40-../DPE09XA4 | 360 | 30000 | 75000 | 2.4 | 3550 | 3.2 |
| 1.7 | 5200 | 2.2 | 847.2 | BK80G40-../DPE09XA4 | 360 | 30000 | 75000 | 2.1 | 4050 | 2.8 |
| 1.5 | 6100 | 1.9 | 963.0 | BK80G40-../DPE09XA4 | 360 | 30000 | 75000 | 1.9 | 4600 | 2.5 |
| 1.4 | 6400 | 1.8 | 1079 | BK80G40-../DPE09XA4 | 360 | 30000 | 75000 | 1.7 | 5100 | 2.3 |
| 1.2 | 7700 | 1.5 | 1307 | BK80G40-../DPE09XA4 | 360 | 30000 | 75000 | 1.4 | 6400 | 1.8 |
| 1.1 | 8300 | 1.4 | 1425 | BK80G40-../DPE09XA4 | 360 | 30000 | 75000 | 1.3 | 6900 | 1.65 |
| 0.95 | 9800 | 1.15 | 1583 | BK80G40-../DPE09XA4 | 360 | 30000 | 75000 | 1.1 | 8300 | 1.4 |
| 0.85 | 11000 | 1.05 | 1775 | BK80G40-../DPE09XA4 | 360 | 30000 | 75000 | 1.0 | 9200 | 1.25 |
| 1.5 | 5600 | 3.3 | 1008 | BK90G50-../DPE09XA4 | 633 | 49400 | 120000 | 1.8 | 4450 | 4.2 |
| 1.3 | 6500 | 2.8 | 1127 | BK90G50-../DPE09XA4 | 633 | 49400 | 120000 | 1.6 | 5000 | 3.7 |
| 1.1 | 8300 | 2.2 | 1363 | BK90G50-../DPE09XA4 | 633 | 49400 | 120000 | 1.3 | 6800 | 2.7 |
| 0.95 | 9500 | 1.95 | 1579 | BK90G50-../DPE09XA4 | 633 | 49400 | 120000 | 1.2 | 7200 | 2.6 |
| 0.8 | 11400 | 1.6 | 1803 | BK90G50-../DPE09XA4 | 633 | 49400 | 120000 | 1.0 | 8700 | 2.1 |
| 0.75 | 12000 | 1.55 | 2016 | BK90G50-../DPE09XA4 | 633 | 49400 | 120000 | 0.9 | 9700 | 1.9 |
| 0.55 | 16900 | 1.1 | 2764 | BK90G50-../DPE09XA4 | 633 | 49400 | 120000 | 0.65 | 14000 | 1.3 |

P = 1.5 kW

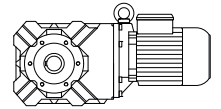
| 50 Hz | | | i | Type | m | F _{RN} | F _{RV} | 60 Hz | | |
|-------------------------|----------------------|----------------|------|------------------|----|-----------------|-----------------|-------------------------|----------------------|----------------|
| n ₂ 1/min | M ₂ Nm | f _B | | | | | | n ₂ 1/min | M ₂ Nm | f _B |
| 325 | 40.5 | 2.3 | 4.44 | BK10-../DPE09XB4 | 40 | 1900 | - | 395 | 33 | 2.9 |
| 240 | 54 | 1.95 | 6.02 | BK10-../DPE09XB4 | 40 | 2100 | - | 290 | 45 | 2.3 |
| 188 | 70 | 1.65 | 7.68 | BK10-../DPE09XB4 | 40 | 2400 | - | 230 | 57 | 2.0 |

The torques marked (*) are maximum permissible torques for service factor f_B=1.0.

BK-series bevel geared motors

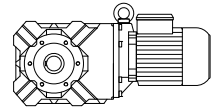
Selection - bevel geared motors

P = 1.5 kW



| 50 Hz | | | i | Type | m | F _{RN} | F _{RV} | 60 Hz | | |
|-------------------------|----------------------|----------------|-------|-------------------|-----|-----------------|-----------------|-------------------------|----------------------|----------------|
| n ₂ 1/min | M ₂ Nm | f _B | | | | | | n ₂ 1/min | M ₂ Nm | f _B |
| 154 | 85 | 1.35 | 9.40 | BK10-../DPE09XB4 | 40 | 2700 | - | 186 | 70 | 1.65 |
| 135 | 95 | 1.9 | 10.70 | BK10-../DPE09XB4 | 40 | 3500 | - | 163 | 79 | 2.3 |
| 121 | 108 | 1.05 | 11.93 | BK10-../DPE09XB4 | 40 | 3100 | - | 146 | 90 | 1.3 |
| 100 | 128 | 1.55 | 14.50 | BK10-../DPE09XB4 | 40 | 3900 | - | 120 | 107 | 1.85 |
| 86 | 149 | 0.91 | 16.92 | BK10-../DPE09XB4 | 40 | 3700 | - | 103 | 125 | 1.1 |
| 78 | 165 | 1.2 | 18.52 | BK10-../DPE09XB4 | 40 | 4300 | - | 94 | 137 | 1.45 |
| 64 | 200 | 1.0 | 22.65 | BK10-../DPE09XB4 | 40 | 4650 | - | 77 | 167 | 1.2 |
| 51 | 250 | 0.8 | 28.76 | BK10-../DPE09XB4 | 40 | 5200 | - | 61 | 210 | 0.95 |
| 183 | 72 | 3.2 | 7.91 | BK20-../DPE09XB4 | 50 | 1330 | 7600 | 220 | 59 | 3.9 |
| 146 | 90 | 2.6 | 9.91 | BK20-../DPE09XB4 | 50 | 1910 | 8300 | 176 | 74 | 3.1 |
| 130 | 99 | 3.0 | 11.14 | BK20-../DPE09XB4 | 50 | 3300 | 8100 | 157 | 82 | 3.7 |
| 124 | 106 | 2.2 | 11.69 | BK20-../DPE09XB4 | 50 | 2400 | 8800 | 149 | 88 | 2.6 |
| 98 | 131 | 2.5 | 14.75 | BK20-../DPE09XB4 | 50 | 3650 | 9000 | 118 | 109 | 3.0 |
| 83 | 157 | 1.45 | 17.42 | BK20-../DPE09XB4 | 50 | 3250 | 9000 | 100 | 130 | 1.8 |
| 75 | 171 | 1.95 | 19.39 | BK20-../DPE09XB4 | 50 | 4050 | 9000 | 90 | 143 | 2.3 |
| 60 | 210 | 1.55 | 24.29 | BK20-../DPE09XB4 | 50 | 4500 | 9000 | 72 | 179 | 1.85 |
| 51 | 250 | 1.3 | 28.66 | BK20-../DPE09XB4 | 50 | 4850 | 9000 | 61 | 210 | 1.55 |
| 39.5 | 325 | 1.0 | 36.69 | BK20-../DPE09XB4 | 50 | 5400 | 9000 | 47.5 | 270 | 1.2 |
| 34 | 375 | 0.88 | 42.70 | BK20-../DPE09XB4 | 50 | 5800 | 9000 | 41 | 310 | 1.05 |
| 121 | 108 | 3.0 | 11.93 | BK30-../DPE09XB4 | 56 | 3650 | 12000 | 146 | 90 | 3.6 |
| 104 | 125 | 2.6 | 13.98 | BK30-../DPE09XB4 | 56 | 4050 | 12000 | 125 | 104 | 3.1 |
| 81 | 159 | 2.8 | 17.95 | BK30-../DPE09XB4 | 56 | 5300 | 12000 | 97 | 132 | 3.4 |
| 70 | 186 | 1.7 | 20.85 | BK30-../DPE09XB4 | 56 | 5000 | 12000 | 84 | 155 | 2.1 |
| 63 | 200 | 2.3 | 23.20 | BK30-../DPE09XB4 | 56 | 5900 | 12000 | 75 | 171 | 2.6 |
| 51 | 250 | 1.8 | 28.76 | BK30-../DPE09XB4 | 56 | 6500 | 12000 | 61 | 210 | 2.1 |
| 43 | 295 | 1.55 | 33.70 | BK30-../DPE09XB4 | 56 | 7000 | 12000 | 52 | 245 | 1.85 |
| 34 | 370 | 1.2 | 42.89 | BK30-../DPE09XB4 | 56 | 7800 | 12000 | 41 | 310 | 1.45 |
| 29 | 430 | 1.05 | 50.27 | BK30-../DPE09XB4 | 56 | 8300 | 12000 | 35 | 360 | 1.25 |
| 24.5 | 510 | 0.88 | 59.27 | BK30-../DPE09XB4 | 56 | 8900 | 12000 | 29.5 | 425 | 1.05 |
| 51 | 250 | 3.1 | 28.59 | BK40-../DPE09XB4 | 76 | 6300 | 17000 | 61 | 210 | 3.7 |
| 42 | 305 | 2.6 | 34.61 | BK40-../DPE09XB4 | 76 | 6900 | 17000 | 51 | 250 | 3.1 |
| 35.5 | 360 | 2.2 | 40.88 | BK40-../DPE09XB4 | 76 | 7600 | 17000 | 43 | 295 | 2.6 |
| 28.5 | 440 | 1.75 | 51.18 | BK40-../DPE09XB4 | 76 | 8400 | 17000 | 34 | 370 | 2.1 |
| 24.5 | 510 | 1.55 | 59.66 | BK40-../DPE09XB4 | 76 | 9100 | 17000 | 29.5 | 425 | 1.85 |
| 21 | 590 | 1.3 | 70.11 | BK40-../DPE09XB4 | 76 | 9800 | 17000 | 25 | 495 | 1.6 |
| 17.5 | 710 | 1.1 | 84.36 | BK40-../DPE09XB4 | 76 | 10700 | 17000 | 21 | 590 | 1.3 |
| 14 | 860 | 0.91 | 104.0 | BK40-../DPE09XB4 | 76 | 11700 | 17000 | 17 | 710 | 1.1 |
| 12.5 | 970 | 0.8 | 118.2 | BK40Z-../DPE09XB4 | 80 | 11700 | 17000 | 15 | 810 | 0.96 |
| 30.5 | 415 | 2.5 | 47.50 | BK50-../DPE09XB4 | 104 | 10100 | 25700 | 37 | 340 | 3.1 |
| 24 | 520 | 2.0 | 60.76 | BK50-../DPE09XB4 | 104 | 11400 | 26000 | 29 | 430 | 2.4 |
| 19.5 | 630 | 1.65 | 75.40 | BK50-../DPE09XB4 | 104 | 12600 | 26000 | 23.5 | 530 | 2.0 |
| 15.5 | 790 | 1.35 | 95.29 | BK50-../DPE09XB4 | 104 | 14100 | 26000 | 18.5 | 660 | 1.6 |
| 12.5 | 970 | 1.1 | 115.4 | BK50Z-../DPE09XB4 | 109 | 14100 | 26000 | 15.5 | 780 | 1.35 |
| 9.4 | 1260 | 0.83 | 153.3 | BK50Z-../DPE09XB4 | 109 | 14100 | 26000 | 11.5 | 1030 | 1.0 |
| 18.5 | 770 | 3.0 | 78.13 | BK60-../DPE09XB4 | 113 | 11900 | 34000 | 22.5 | 630 | 3.7 |
| 16.5 | 860 | 2.7 | 87.41 | BK60-../DPE09XB4 | 113 | 12900 | 34000 | 20 | 710 | 3.2 |
| 14.5 | 980 | 2.3 | 101.2 | BK60-../DPE09XB4 | 113 | 13900 | 34000 | 17.5 | 810 | 2.8 |
| 13 | 1100 | 2.1 | 113.2 | BK60-../DPE09XB4 | 113 | 15000 | 34000 | 15.5 | 920 | 2.5 |
| 12 | 1190 | 1.95 | 122.5 | BK60-../DPE09XB4 | 113 | 15500 | 34000 | 14.5 | 980 | 2.3 |
| 11 | 1300 | 1.75 | 137.0 | BK60-../DPE09XB4 | 113 | 16600 | 34000 | 13 | 1100 | 2.1 |
| 9.4 | 1520 | 1.5 | 153.7 | BK60Z-../DPE09XB4 | 132 | 16600 | 34000 | 11.5 | 1240 | 1.85 |
| 7.9 | 1810 | 1.25 | 183.2 | BK60Z-../DPE09XB4 | 132 | 16600 | 34000 | 9.5 | 1500 | 1.55 |
| 7.1 | 2000 | 1.15 | 205.0 | BK60Z-../DPE09XB4 | 132 | 16600 | 34000 | 8.5 | 1680 | 1.35 |
| 6.1 | 2300 | 1.0 | 239.7 | BK60Z-../DPE09XB4 | 132 | 16600 | 34000 | 7.3 | 1960 | 1.15 |

The torques marked (*) are maximum permissible torques for service factor f_B=1,0.



P = 1.5 kW

| 50 Hz | | | i | Type | m | F _{RN} | F _{RV} | 60 Hz | | |
|-------------------------|----------------------|----------------|-------|---------------------|-----|-----------------|-----------------|-------------------------|----------------------|----------------|
| n ₂ 1/min | M ₂ Nm | f _B | | | | | | n ₂ 1/min | M ₂ Nm | f _B |
| 5.4 | 2650 | 0.87 | 268.2 | BK60Z-../DPE09XB4 | 132 | 16600 | 34000 | 6.5 | 2200 | 1.05 |
| 8.2 | 1740 | 3.0 | 175.7 | BK70-../DPE09XB4 | 199 | 24100 | 50000 | 10 | 1430 | 3.6 |
| 7.6 | 1880 | 2.8 | 190.4 | BK70Z-../DPE09XB4 | 220 | 24100 | 50000 | 9.2 | 1550 | 3.4 |
| 6.4 | 2200 | 2.4 | 226.2 | BK70Z-../DPE09XB4 | 220 | 24100 | 50000 | 7.7 | 1860 | 2.8 |
| 5.6 | 2550 | 2.0 | 257.3 | BK70Z-../DPE09XB4 | 220 | 24100 | 50000 | 6.8 | 2100 | 2.5 |
| 5.0 | 2850 | 1.8 | 293.3 | BK70Z-../DPE09XB4 | 220 | 24100 | 50000 | 6.0 | 2350 | 2.2 |
| 4.4 | 3250 | 1.6 | 333.6 | BK70Z-../DPE09XB4 | 220 | 24100 | 50000 | 5.3 | 2700 | 1.95 |
| 3.8 | 3750 | 1.4 | 379.9 | BK70Z-../DPE09XB4 | 220 | 24100 | 50000 | 4.6 | 3100 | 1.7 |
| 3.4 | 4200 | 1.25 | 432.1 | BK70Z-../DPE09XB4 | 220 | 24100 | 50000 | 4.1 | 3450 | 1.5 |
| 2.9 | 4900 | 1.05 | 501.8 | BK70Z-../DPE09XB4 | 220 | 24100 | 50000 | 3.5 | 4050 | 1.3 |
| 2.6 | 5500 | 0.95 | 570.8 | BK70Z-../DPE09XB4 | 220 | 24100 | 50000 | 3.1 | 4600 | 1.15 |
| 2.3 | 6200 | 0.84 | 644.9 | BK70Z-../DPE09XB4 | 220 | 24100 | 50000 | 2.7 | 5300 | 0.98 |
| 3.8 | 3750 | 3.1 | 389.0 | BK80Z-../DPE09XB4 | 349 | 30000 | 75000 | 4.5 | 3150 | 3.7 |
| 3.4 | 4200 | 2.7 | 435.7 | BK80Z-../DPE09XB4 | 349 | 30000 | 75000 | 4.0 | 3550 | 3.2 |
| 2.9 | 4900 | 2.3 | 499.5 | BK80Z-../DPE09XB4 | 349 | 30000 | 75000 | 3.5 | 4050 | 2.8 |
| 2.6 | 5500 | 2.1 | 559.5 | BK80Z-../DPE09XB4 | 349 | 30000 | 75000 | 3.2 | 4450 | 2.6 |
| 2.4 | 5200 | 2.2 | 607.8 | BK80G40-../DPE09XB4 | 360 | 30000 | 75000 | 2.9 | 4150 | 2.8 |
| 2.2 | 5600 | 2.1 | 680.9 | BK80G40-../DPE09XB4 | 360 | 30000 | 75000 | 2.6 | 4650 | 2.5 |
| 2.0 | 6300 | 1.85 | 756.3 | BK80G40-../DPE09XB4 | 360 | 30000 | 75000 | 2.4 | 5100 | 2.3 |
| 1.7 | 7500 | 1.55 | 847.2 | BK80G40-../DPE09XB4 | 360 | 30000 | 75000 | 2.1 | 5900 | 1.95 |
| 1.5 | 8600 | 1.35 | 963.0 | BK80G40-../DPE09XB4 | 360 | 30000 | 75000 | 1.9 | 6600 | 1.75 |
| 1.4 | 9200 | 1.25 | 1079 | BK80G40-../DPE09XB4 | 360 | 30000 | 75000 | 1.7 | 7400 | 1.55 |
| 1.2 | 10900 | 1.05 | 1307 | BK80G40-../DPE09XB4 | 360 | 30000 | 75000 | 1.4 | 9200 | 1.25 |
| 1.1 | 11800 | 0.97 | 1425 | BK80G40-../DPE09XB4 | 360 | 30000 | 75000 | 1.3 | 9800 | 1.15 |
| 2.3 | 6200 | 3.0 | 637.7 | BK90Z-../DPE09XB4 | 622 | 49400 | 120000 | 2.8 | 5100 | 3.6 |
| 2.1 | 6800 | 2.7 | 713.5 | BK90Z-../DPE09XB4 | 622 | 49400 | 120000 | 2.5 | 5700 | 3.2 |
| 1.8 | 6600 | 2.8 | 821.0 | BK90G50-../DPE09XB4 | 633 | 49400 | 120000 | 2.2 | 5100 | 3.6 |
| 1.7 | 7200 | 2.6 | 882.3 | BK90G50-../DPE09XB4 | 633 | 49400 | 120000 | 2.0 | 5900 | 3.1 |
| 1.5 | 8200 | 2.3 | 1008 | BK90G50-../DPE09XB4 | 633 | 49400 | 120000 | 1.8 | 6600 | 2.8 |
| 1.3 | 9500 | 1.95 | 1127 | BK90G50-../DPE09XB4 | 633 | 49400 | 120000 | 1.6 | 7400 | 2.5 |
| 1.1 | 11800 | 1.55 | 1363 | BK90G50-../DPE09XB4 | 633 | 49400 | 120000 | 1.3 | 9800 | 1.9 |
| 0.95 | 13500 | 1.35 | 1579 | BK90G50-../DPE09XB4 | 633 | 49400 | 120000 | 1.2 | 10400 | 1.8 |
| 0.8 | 16100 | 1.15 | 1803 | BK90G50-../DPE09XB4 | 633 | 49400 | 120000 | 1.0 | 12600 | 1.45 |
| 0.75 | 17100 | 1.1 | 2016 | BK90G50-../DPE09XB4 | 633 | 49400 | 120000 | 0.9 | 13900 | 1.35 |

8

P = 2.2 kW

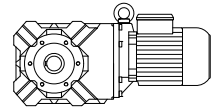
| 50 Hz | | | i | Type | m | F _{RN} | F _{RV} | 60 Hz | | |
|-------------------------|----------------------|----------------|-------|-------------------|----|-----------------|-----------------|-------------------------|----------------------|----------------|
| n ₂ 1/min | M ₂ Nm | f _B | | | | | | n ₂ 1/min | M ₂ Nm | f _B |
| 330 | 58 | 1.65 | 4.44 | BK10-../DPE09XB4C | 43 | 1900 | - | 395 | 48.5 | 1.95 |
| 245 | 78 | 1.35 | 6.02 | BK10-../DPE09XB4C | 43 | 2100 | - | 290 | 66 | 1.6 |
| 189 | 102 | 1.15 | 7.68 | BK10-../DPE09XB4C | 43 | 2400 | - | 230 | 84 | 1.35 |
| 155 | 124 | 0.93 | 9.40 | BK10-../DPE09XB4C | 43 | 2700 | - | 186 | 103 | 1.1 |
| 136 | 139 | 1.3 | 10.70 | BK10-../DPE09XB4C | 43 | 3500 | - | 163 | 116 | 1.55 |
| 100 | 189 | 1.05 | 14.50 | BK10-../DPE09XB4C | 43 | 3900 | - | 120 | 157 | 1.25 |
| 79 | 235 | 0.85 | 18.52 | BK10-../DPE09XB4C | 43 | 4300 | - | 94 | 200 | 1.0 |
| 320 | 60 | 3.3 | 4.54 | BK20-../DPE09XB4C | 52 | 520 | 6100 | 385 | 50 | 3.9 |
| 245 | 78 | 2.8 | 6.02 | BK20-../DPE09XB4C | 52 | 580 | 6800 | 290 | 66 | 3.3 |
| 184 | 105 | 2.2 | 7.91 | BK20-../DPE09XB4C | 52 | 1330 | 7600 | 220 | 87 | 2.7 |

The torques marked (*) are maximum permissible torques for service factor f_B=1,0.

BK-series bevel geared motors

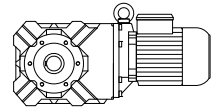
Selection - bevel geared motors

P = 2.2 kW



| 50 Hz | | | i | Type | m | F _{RN} | F _{RV} | 60 Hz | | |
|-------------------------|----------------------|----------------|-------|--------------------|-----|-----------------|-----------------|-------------------------|----------------------|----------------|
| n ₂ 1/min | M ₂ Nm | f _B | | | | | | n ₂ 1/min | M ₂ Nm | f _B |
| 147 | 131 | 1.75 | 9.91 | BK20-../DPE09XB4C | 52 | 1910 | 8300 | 176 | 109 | 2.1 |
| 131 | 144 | 2.1 | 11.14 | BK20-../DPE09XB4C | 52 | 3300 | 8100 | 157 | 120 | 2.5 |
| 125 | 154 | 1.5 | 11.69 | BK20-../DPE09XB4C | 52 | 2400 | 8800 | 149 | 129 | 1.8 |
| 99 | 191 | 1.75 | 14.75 | BK20-../DPE09XB4C | 52 | 3650 | 9000 | 118 | 160 | 2.1 |
| 84 | 225 | 1.05 | 17.42 | BK20-../DPE09XB4C | 52 | 3250 | 9000 | 100 | 191 | 1.2 |
| 75 | 250 | 1.3 | 19.39 | BK20-../DPE09XB4C | 52 | 4050 | 9000 | 90 | 210 | 1.55 |
| 60 | 315 | 1.05 | 24.29 | BK20-../DPE09XB4C | 52 | 4500 | 9000 | 72 | 260 | 1.25 |
| 51 | 370 | 0.89 | 28.66 | BK20-../DPE09XB4C | 52 | 4850 | 9000 | 61 | 305 | 1.1 |
| 310 | 62 | 3.1 | 4.73 | BK30-../DPE09XB4C | 58 | 1550 | 8800 | 370 | 52 | 3.7 |
| 245 | 78 | 2.7 | 6.02 | BK30-../DPE09XB4C | 58 | 1690 | 9600 | 290 | 66 | 3.2 |
| 195 | 99 | 2.7 | 7.45 | BK30-../DPE09XB4C | 58 | 2200 | 10400 | 235 | 82 | 3.3 |
| 151 | 128 | 2.5 | 9.63 | BK30-../DPE09XB4C | 58 | 3150 | 11500 | 181 | 106 | 3.0 |
| 128 | 147 | 2.8 | 11.39 | BK30-../DPE09XB4C | 58 | 4150 | 11000 | 153 | 123 | 3.4 |
| 122 | 158 | 2.0 | 11.93 | BK30-../DPE09XB4C | 58 | 3650 | 12000 | 146 | 132 | 2.4 |
| 104 | 183 | 1.75 | 13.98 | BK30-../DPE09XB4C | 58 | 4050 | 12000 | 125 | 152 | 2.1 |
| 100 | 189 | 2.4 | 14.50 | BK30-../DPE09XB4C | 58 | 4900 | 12000 | 120 | 157 | 2.9 |
| 81 | 230 | 1.95 | 17.95 | BK30-../DPE09XB4C | 58 | 5300 | 12000 | 97 | 194 | 2.3 |
| 70 | 270 | 1.2 | 20.85 | BK30-../DPE09XB4C | 58 | 5000 | 12000 | 84 | 225 | 1.4 |
| 63 | 300 | 1.5 | 23.20 | BK30-../DPE09XB4C | 58 | 5900 | 12000 | 75 | 250 | 1.8 |
| 51 | 370 | 1.2 | 28.76 | BK30-../DPE09XB4C | 58 | 6500 | 12000 | 61 | 305 | 1.5 |
| 43.5 | 430 | 1.05 | 33.70 | BK30-../DPE09XB4C | 58 | 7000 | 12000 | 52 | 360 | 1.25 |
| 34 | 540 | 0.83 | 42.89 | BK30-../DPE09XB4C | 58 | 7800 | 12000 | 41 | 455 | 0.99 |
| 123 | 157 | 3.1 | 11.86 | BK40-../DPE09XB4C | 79 | 1770 | 12200 | 147 | 131 | 3.8 |
| 65 | 290 | 2.7 | 22.44 | BK40-../DPE09XB4C | 79 | 5500 | 16500 | 78 | 240 | 3.3 |
| 51 | 370 | 2.1 | 28.59 | BK40-../DPE09XB4C | 79 | 6300 | 17000 | 61 | 305 | 2.6 |
| 42 | 450 | 1.75 | 34.61 | BK40-../DPE09XB4C | 79 | 6900 | 17000 | 51 | 370 | 2.1 |
| 35.5 | 530 | 1.45 | 40.88 | BK40-../DPE09XB4C | 79 | 7600 | 17000 | 43 | 435 | 1.8 |
| 28.5 | 640 | 1.2 | 51.18 | BK40-../DPE09XB4C | 79 | 8400 | 17000 | 34 | 540 | 1.45 |
| 24.5 | 750 | 1.05 | 59.66 | BK40-../DPE09XB4C | 79 | 9100 | 17000 | 29.5 | 620 | 1.25 |
| 21 | 870 | 0.9 | 70.11 | BK40-../DPE09XB4C | 79 | 9800 | 17000 | 25 | 730 | 1.05 |
| 81 | 235 | 3.1 | 17.92 | BK50-../DPE09XB4C | 107 | 4600 | 16800 | 98 | 195 | 3.7 |
| 55 | 340 | 3.1 | 26.51 | BK50-../DPE09XB4C | 107 | 7800 | 21200 | 66 | 285 | 3.7 |
| 41.5 | 455 | 2.3 | 35.21 | BK50-../DPE09XB4C | 107 | 8700 | 23100 | 49.5 | 380 | 2.8 |
| 31 | 600 | 1.75 | 47.50 | BK50-../DPE09XB4C | 107 | 10100 | 25700 | 37 | 500 | 2.1 |
| 24 | 770 | 1.35 | 60.76 | BK50-../DPE09XB4C | 107 | 11400 | 26000 | 29 | 630 | 1.65 |
| 19.5 | 930 | 1.15 | 75.40 | BK50-../DPE09XB4C | 107 | 12600 | 26000 | 23.5 | 770 | 1.35 |
| 15.5 | 1160 | 0.91 | 95.29 | BK50-../DPE09XB4C | 107 | 14100 | 26000 | 18.5 | 970 | 1.1 |
| 29 | 720 | 3.2 | 50.40 | BK60-../DPE09XB4C | 115 | 9100 | 29800 | 35 | 600 | 3.8 |
| 25 | 840 | 2.7 | 58.95 | BK60-../DPE09XB4C | 115 | 9900 | 31500 | 30 | 700 | 3.3 |
| 22 | 950 | 2.4 | 65.95 | BK60-../DPE09XB4C | 115 | 10900 | 33000 | 26.5 | 790 | 2.9 |
| 19 | 1100 | 2.1 | 78.13 | BK60-../DPE09XB4C | 115 | 11900 | 34000 | 22.5 | 930 | 2.5 |
| 17 | 1230 | 1.85 | 87.41 | BK60-../DPE09XB4C | 115 | 12900 | 34000 | 20 | 1050 | 2.2 |
| 14.5 | 1440 | 1.6 | 101.2 | BK60-../DPE09XB4C | 115 | 13900 | 34000 | 17.5 | 1200 | 1.9 |
| 13 | 1610 | 1.45 | 113.2 | BK60-../DPE09XB4C | 115 | 15000 | 34000 | 15.5 | 1350 | 1.7 |
| 12 | 1750 | 1.3 | 122.5 | BK60-../DPE09XB4C | 115 | 15500 | 34000 | 14.5 | 1440 | 1.6 |
| 11 | 1910 | 1.2 | 137.0 | BK60-../DPE09XB4C | 115 | 16600 | 34000 | 13 | 1610 | 1.45 |
| 9.5 | 2200 | 1.05 | 153.7 | BK60Z-../DPE09XB4C | 135 | 16600 | 34000 | 11.5 | 1820 | 1.25 |
| 8.0 | 2600 | 0.88 | 183.2 | BK60Z-../DPE09XB4C | 135 | 16600 | 34000 | 9.5 | 2200 | 1.05 |
| 12.5 | 1680 | 3.1 | 120.2 | BK70-../DPE09XB4C | 202 | 18600 | 50000 | 14.5 | 1440 | 3.6 |
| 11 | 1910 | 2.7 | 136.7 | BK70-../DPE09XB4C | 202 | 20700 | 50000 | 13 | 1610 | 3.2 |
| 9.4 | 2200 | 2.4 | 154.4 | BK70-../DPE09XB4C | 202 | 21900 | 50000 | 11.5 | 1820 | 2.9 |
| 8.3 | 2500 | 2.1 | 175.7 | BK70-../DPE09XB4C | 202 | 24100 | 50000 | 10 | 2100 | 2.5 |
| 7.7 | 2700 | 1.95 | 190.4 | BK70Z-../DPE09XB4C | 223 | 24100 | 50000 | 9.2 | 2250 | 2.3 |
| 6.5 | 3200 | 1.65 | 226.2 | BK70Z-../DPE09XB4C | 223 | 24100 | 50000 | 7.7 | 2700 | 1.95 |
| 5.7 | 3650 | 1.4 | 257.3 | BK70Z-../DPE09XB4C | 223 | 24100 | 50000 | 6.8 | 3050 | 1.7 |

The torques marked (*) are maximum permissible torques for service factor f_B=1,0.



P = 2.2 kW

| 50 Hz | | | i | Type | m | F _{RN} | F _{RV} | 60 Hz | | |
|-------------------------|----------------------|----------------|-------|----------------------|-----|-----------------|-----------------|-------------------------|----------------------|----------------|
| n ₂ 1/min | M ₂ Nm | f _B | | | | | | n ₂ 1/min | M ₂ Nm | f _B |
| 5.0 | 4200 | 1.25 | 293.3 | BK70Z-../DPE09XB4C | 223 | 24100 | 50000 | 6.0 | 3500 | 1.5 |
| 4.4 | 4750 | 1.1 | 333.6 | BK70Z-../DPE09XB4C | 223 | 24100 | 50000 | 5.3 | 3950 | 1.3 |
| 3.9 | 5300 | 0.98 | 379.9 | BK70Z-../DPE09XB4C | 223 | 24100 | 50000 | 4.6 | 4550 | 1.15 |
| 3.4 | 6100 | 0.85 | 432.1 | BK70Z-../DPE09XB4C | 223 | 24100 | 50000 | 4.1 | 5100 | 1.0 |
| 5.8 | 3600 | 3.2 | 253.3 | BK80Z-../DPE09XB4C | 351 | 30000 | 75000 | 6.9 | 3000 | 3.8 |
| 4.9 | 4250 | 2.7 | 300.6 | BK80Z-../DPE09XB4C | 351 | 30000 | 75000 | 5.8 | 3600 | 3.2 |
| 4.4 | 4750 | 2.4 | 336.7 | BK80Z-../DPE09XB4C | 351 | 30000 | 75000 | 5.2 | 4000 | 2.9 |
| 3.8 | 5500 | 2.1 | 389.0 | BK80Z-../DPE09XB4C | 351 | 30000 | 75000 | 4.5 | 4650 | 2.5 |
| 3.4 | 6100 | 1.9 | 435.7 | BK80Z-../DPE09XB4C | 351 | 30000 | 75000 | 4.0 | 5200 | 2.2 |
| 3.0 | 7000 | 1.65 | 499.5 | BK80Z-../DPE09XB4C | 351 | 30000 | 75000 | 3.5 | 6000 | 1.9 |
| 2.6 | 8000 | 1.45 | 559.5 | BK80Z-../DPE09XB4C | 351 | 30000 | 75000 | 3.2 | 6500 | 1.75 |
| 2.4 | 8000 | 1.45 | 607.8 | BK80G40-../DPE09XB4C | 363 | 30000 | 75000 | 2.9 | 6400 | 1.8 |
| 2.2 | 8700 | 1.3 | 680.9 | BK80G40-../DPE09XB4C | 363 | 30000 | 75000 | 2.6 | 7200 | 1.6 |
| 2.0 | 9600 | 1.2 | 756.3 | BK80G40-../DPE09XB4C | 363 | 30000 | 75000 | 2.4 | 7900 | 1.45 |
| 1.8 | 10700 | 1.05 | 847.2 | BK80G40-../DPE09XB4C | 363 | 30000 | 75000 | 2.1 | 9000 | 1.3 |
| 1.6 | 12200 | 0.94 | 963.0 | BK80G40-../DPE09XB4C | 363 | 30000 | 75000 | 1.9 | 10100 | 1.15 |
| 1.4 | 13900 | 0.83 | 1079 | BK80G40-../DPE09XB4C | 363 | 30000 | 75000 | 1.7 | 11300 | 1.0 |
| 3.4 | 6100 | 3.0 | 435.3 | BK90Z-../DPE09XB4C | 624 | 49400 | 120000 | 4.0 | 5200 | 3.6 |
| 3.0 | 7000 | 2.6 | 499.2 | BK90Z-../DPE09XB4C | 624 | 49400 | 120000 | 3.5 | 6000 | 3.1 |
| 2.6 | 8000 | 2.3 | 558.5 | BK90Z-../DPE09XB4C | 624 | 49400 | 120000 | 3.2 | 6500 | 2.8 |
| 2.3 | 9100 | 2.0 | 637.7 | BK90Z-../DPE09XB4C | 624 | 49400 | 120000 | 2.8 | 7500 | 2.5 |
| 2.1 | 10000 | 1.85 | 713.5 | BK90Z-../DPE09XB4C | 624 | 49400 | 120000 | 2.5 | 8400 | 2.2 |
| 1.8 | 10300 | 1.8 | 821.0 | BK90G50-../DPE09XB4C | 635 | 49400 | 120000 | 2.2 | 8200 | 2.3 |
| 1.7 | 11100 | 1.65 | 882.3 | BK90G50-../DPE09XB4C | 635 | 49400 | 120000 | 2.0 | 9300 | 2.0 |
| 1.5 | 12600 | 1.45 | 1008 | BK90G50-../DPE09XB4C | 635 | 49400 | 120000 | 1.8 | 10300 | 1.8 |
| 1.3 | 14600 | 1.25 | 1127 | BK90G50-../DPE09XB4C | 635 | 49400 | 120000 | 1.6 | 11600 | 1.6 |
| 1.1 | 17800 | 1.05 | 1363 | BK90G50-../DPE09XB4C | 635 | 49400 | 120000 | 1.3 | 14900 | 1.25 |

8

P = 3 kW

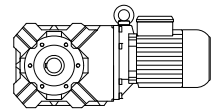
| 50 Hz | | | i | Type | m | F _{RN} | F _{RV} | 60 Hz | | |
|-------------------------|----------------------|----------------|-------|------------------|-----|-----------------|-----------------|-------------------------|----------------------|----------------|
| n ₂ 1/min | M ₂ Nm | f _B | | | | | | n ₂ 1/min | M ₂ Nm | f _B |
| 310 | 85 | 2.3 | 4.73 | BK30-../DPE11LA4 | 76 | 1550 | 8800 | 370 | 71 | 2.7 |
| 245 | 107 | 2.0 | 6.02 | BK30-../DPE11LA4 | 76 | 1690 | 9600 | 290 | 90 | 2.4 |
| 195 | 135 | 2.0 | 7.45 | BK30-../DPE11LA4 | 76 | 2200 | 10400 | 235 | 112 | 2.4 |
| 151 | 174 | 1.85 | 9.63 | BK30-../DPE11LA4 | 76 | 3150 | 11500 | 181 | 145 | 2.2 |
| 128 | 200 | 2.1 | 11.39 | BK30-../DPE11LA4 | 76 | 4150 | 11000 | 153 | 168 | 2.5 |
| 122 | 215 | 1.5 | 11.93 | BK30-../DPE11LA4 | 76 | 3650 | 12000 | 146 | 180 | 1.8 |
| 104 | 250 | 1.3 | 13.98 | BK30-../DPE11LA4 | 76 | 4050 | 12000 | 125 | 205 | 1.55 |
| 100 | 255 | 1.75 | 14.50 | BK30-../DPE11LA4 | 76 | 4900 | 12000 | 120 | 210 | 2.1 |
| 81 | 315 | 1.45 | 17.95 | BK30-../DPE11LA4 | 76 | 5300 | 12000 | 97 | 265 | 1.7 |
| 63 | 405 | 1.1 | 23.20 | BK30-../DPE11LA4 | 76 | 5900 | 12000 | 75 | 340 | 1.3 |
| 51 | 500 | 0.9 | 28.76 | BK30-../DPE11LA4 | 76 | 6500 | 12000 | 61 | 420 | 1.05 |
| 156 | 168 | 2.9 | 9.31 | BK40-../DPE11LA4 | 102 | 1040 | 11200 | 187 | 140 | 3.5 |
| 123 | 210 | 2.3 | 11.86 | BK40-../DPE11LA4 | 102 | 1770 | 12200 | 147 | 179 | 2.8 |
| 100 | 255 | 3.1 | 14.50 | BK40-../DPE11LA4 | 102 | 4500 | 14300 | 120 | 210 | 3.7 |
| 81 | 315 | 2.5 | 18.05 | BK40-../DPE11LA4 | 102 | 4900 | 15300 | 97 | 265 | 2.9 |
| 65 | 395 | 1.95 | 22.44 | BK40-../DPE11LA4 | 102 | 5500 | 16500 | 78 | 330 | 2.4 |
| 51 | 500 | 1.55 | 28.59 | BK40-../DPE11LA4 | 102 | 6300 | 17000 | 61 | 420 | 1.85 |
| 42 | 610 | 1.3 | 34.61 | BK40-../DPE11LA4 | 102 | 6900 | 17000 | 51 | 500 | 1.55 |
| 35.5 | 720 | 1.1 | 40.88 | BK40-../DPE11LA4 | 102 | 7600 | 17000 | 43 | 590 | 1.3 |

The torques marked (*) are maximum permissible torques for service factor f_B=1,0.

BK-series bevel geared motors

Selection - bevel geared motors

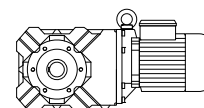
P = 3 kW



| 50 Hz | | | i | Type | m | F _{RN} | F _{RV} | 60 Hz | | |
|-------------------------|----------------------|----------------|-------|---------------------|-----|-----------------|-----------------|-------------------------|----------------------|----------------|
| n ₂ 1/min | M ₂ Nm | f _B | | | | | | n ₂ 1/min | M ₂ Nm | f _B |
| 81 | 320 | 2.3 | 17.92 | BK50-../DPE11LA4 | 132 | 4600 | 16800 | 98 | 265 | 2.7 |
| 76 | 335 | 3.1 | 19.33 | BK50-../DPE11LA4 | 132 | 6900 | 19200 | 91 | 280 | 3.8 |
| 55 | 465 | 2.3 | 26.51 | BK50-../DPE11LA4 | 132 | 7800 | 21200 | 66 | 390 | 2.7 |
| 41.5 | 620 | 1.7 | 35.21 | BK50-../DPE11LA4 | 132 | 8700 | 23100 | 49.5 | 520 | 2.0 |
| 31 | 820 | 1.3 | 47.50 | BK50-../DPE11LA4 | 132 | 10100 | 25700 | 37 | 680 | 1.55 |
| 24 | 1050 | 1.0 | 60.76 | BK50-../DPE11LA4 | 132 | 11400 | 26000 | 29 | 860 | 1.2 |
| 19.5 | 1270 | 0.83 | 75.40 | BK50-../DPE11LA4 | 132 | 12600 | 26000 | 23.5 | 1060 | 0.99 |
| 38.5 | 740 | 3.1 | 37.80 | BK60-../DPE11LA4 | 142 | 7300 | 26500 | 46.5 | 610 | 3.8 |
| 32.5 | 880 | 2.6 | 45.05 | BK60-../DPE11LA4 | 142 | 8200 | 28300 | 39 | 730 | 3.2 |
| 29 | 980 | 2.3 | 50.40 | BK60-../DPE11LA4 | 142 | 9100 | 29800 | 35 | 810 | 2.8 |
| 25 | 1140 | 2.0 | 58.95 | BK60-../DPE11LA4 | 142 | 9900 | 31500 | 30 | 950 | 2.4 |
| 22 | 1300 | 1.75 | 65.95 | BK60-../DPE11LA4 | 142 | 10900 | 33000 | 26.5 | 1080 | 2.1 |
| 19 | 1500 | 1.55 | 78.13 | BK60-../DPE11LA4 | 142 | 11900 | 34000 | 22.5 | 1270 | 1.8 |
| 17 | 1680 | 1.35 | 87.41 | BK60-../DPE11LA4 | 142 | 12900 | 34000 | 20 | 1430 | 1.6 |
| 14.5 | 1970 | 1.15 | 101.2 | BK60-../DPE11LA4 | 142 | 13900 | 34000 | 17.5 | 1630 | 1.4 |
| 13 | 2200 | 1.05 | 113.2 | BK60-../DPE11LA4 | 142 | 15000 | 34000 | 15.5 | 1840 | 1.25 |
| 12 | 2350 | 0.98 | 122.5 | BK60-../DPE11LA4 | 142 | 15500 | 34000 | 14.5 | 1970 | 1.15 |
| 11 | 2600 | 0.88 | 137.0 | BK60-../DPE11LA4 | 142 | 16600 | 34000 | 13 | 2200 | 1.05 |
| 16 | 1790 | 2.9 | 90.96 | BK70-../DPE11LA4 | 221 | 15300 | 49900 | 19.5 | 1460 | 3.6 |
| 14.5 | 1970 | 2.6 | 103.5 | BK70-../DPE11LA4 | 221 | 17200 | 50000 | 17 | 1680 | 3.1 |
| 12.5 | 2250 | 2.3 | 120.2 | BK70-../DPE11LA4 | 221 | 18600 | 50000 | 14.5 | 1970 | 2.6 |
| 11 | 2600 | 2.0 | 136.7 | BK70-../DPE11LA4 | 221 | 20700 | 50000 | 13 | 2200 | 2.4 |
| 9.4 | 3000 | 1.75 | 154.4 | BK70-../DPE11LA4 | 221 | 21900 | 50000 | 11.5 | 2450 | 2.1 |
| 8.3 | 3450 | 1.5 | 175.7 | BK70-../DPE11LA4 | 221 | 24100 | 50000 | 10 | 2850 | 1.8 |
| 7.7 | 3700 | 1.4 | 190.4 | BK70Z-../DPE11LA4 | 247 | 24100 | 50000 | 9.2 | 3100 | 1.7 |
| 6.5 | 4400 | 1.2 | 226.2 | BK70Z-../DPE11LA4 | 247 | 24100 | 50000 | 7.7 | 3700 | 1.4 |
| 5.7 | 5000 | 1.05 | 257.3 | BK70Z-../DPE11LA4 | 247 | 24100 | 50000 | 6.8 | 4200 | 1.25 |
| 5.0 | 5700 | 0.91 | 293.3 | BK70Z-../DPE11LA4 | 247 | 24100 | 50000 | 6.0 | 4750 | 1.1 |
| 4.4 | 6500 | 0.8 | 333.6 | BK70Z-../DPE11LA4 | 247 | 24100 | 50000 | 5.3 | 5400 | 0.96 |
| 8.5 | 3350 | 3.1 | 171.5 | BK80-../DPE11LA4 | 336 | 30000 | 75000 | 10.5 | 2700 | 3.9 |
| 8.2 | 3450 | 3.3 | 177.6 | BK80Z-../DPE11LA4 | 378 | 30000 | 75000 | 9.8 | 2900 | 4.0 |
| 7.3 | 3900 | 2.9 | 198.9 | BK80Z-../DPE11LA4 | 378 | 30000 | 75000 | 8.8 | 3250 | 3.5 |
| 6.5 | 4400 | 2.6 | 226.1 | BK80Z-../DPE11LA4 | 378 | 30000 | 75000 | 7.7 | 3700 | 3.1 |
| 5.8 | 4900 | 2.3 | 253.3 | BK80Z-../DPE11LA4 | 378 | 30000 | 75000 | 6.9 | 4150 | 2.8 |
| 4.9 | 5800 | 2.0 | 300.6 | BK80Z-../DPE11LA4 | 378 | 30000 | 75000 | 5.8 | 4900 | 2.3 |
| 4.4 | 6500 | 1.75 | 336.7 | BK80Z-../DPE11LA4 | 378 | 30000 | 75000 | 5.2 | 5500 | 2.1 |
| 3.8 | 7500 | 1.55 | 389.0 | BK80Z-../DPE11LA4 | 378 | 30000 | 75000 | 4.5 | 6300 | 1.85 |
| 3.4 | 8400 | 1.35 | 435.7 | BK80Z-../DPE11LA4 | 378 | 30000 | 75000 | 4.0 | 7100 | 1.6 |
| 3.0 | 9500 | 1.2 | 499.5 | BK80Z-../DPE11LA4 | 378 | 30000 | 75000 | 3.5 | 8100 | 1.4 |
| 2.6 | 11000 | 1.05 | 559.5 | BK80Z-../DPE11LA4 | 378 | 30000 | 75000 | 3.2 | 8900 | 1.3 |
| 2.4 | 11100 | 1.05 | 607.8 | BK80G40-../DPE11LA4 | 386 | 30000 | 75000 | 2.9 | 9100 | 1.25 |
| 2.2 | 12100 | 0.95 | 680.9 | BK80G40-../DPE11LA4 | 386 | 30000 | 75000 | 2.6 | 10100 | 1.15 |
| 2.0 | 13500 | 0.85 | 756.3 | BK80G40-../DPE11LA4 | 386 | 30000 | 75000 | 2.4 | 11100 | 1.05 |
| 5.0 | 5700 | 3.2 | 295.6 | BK90Z-../DPE11LA4 | 643 | 49400 | 120000 | 5.9 | 4850 | 3.8 |
| 4.4 | 6500 | 2.8 | 330.7 | BK90Z-../DPE11LA4 | 643 | 49400 | 120000 | 5.3 | 5400 | 3.4 |
| 3.8 | 7500 | 2.5 | 389.1 | BK90Z-../DPE11LA4 | 643 | 49400 | 120000 | 4.5 | 6300 | 2.9 |
| 3.4 | 8400 | 2.2 | 435.3 | BK90Z-../DPE11LA4 | 643 | 49400 | 120000 | 4.0 | 7100 | 2.6 |
| 3.0 | 9500 | 1.95 | 499.2 | BK90Z-../DPE11LA4 | 643 | 49400 | 120000 | 3.5 | 8100 | 2.3 |
| 2.6 | 11000 | 1.7 | 558.5 | BK90Z-../DPE11LA4 | 643 | 49400 | 120000 | 3.2 | 8900 | 2.1 |
| 2.3 | 12400 | 1.5 | 637.7 | BK90Z-../DPE11LA4 | 643 | 49400 | 120000 | 2.8 | 10200 | 1.8 |
| 2.1 | 13600 | 1.35 | 713.5 | BK90Z-../DPE11LA4 | 643 | 49400 | 120000 | 2.5 | 11400 | 1.6 |
| 1.8 | 14500 | 1.3 | 821.0 | BK90G50-../DPE11LA4 | 660 | 49400 | 120000 | 2.2 | 11600 | 1.6 |
| 1.7 | 15600 | 1.2 | 882.3 | BK90G50-../DPE11LA4 | 660 | 49400 | 120000 | 2.0 | 13100 | 1.4 |

The torques marked (*) are maximum permissible torques for service factor f_B=1,0.

P = 3 kW



| 50 Hz | | | i | Type | m | F _{RN} | F _{RV} | 60 Hz | | |
|-------------------------|----------------------|----------------|------|---------------------|-----|-----------------|-----------------|-------------------------|----------------------|----------------|
| n ₂ 1/min | M ₂ Nm | f _B | | | | | | n ₂ 1/min | M ₂ Nm | f _B |
| 1.5 | 17700 | 1.05 | 1008 | BK90G50-../DPE11LA4 | 660 | 49400 | 120000 | 1.8 | 14500 | 1.3 |
| 1.3 | 20500 | 0.9 | 1127 | BK90G50-../DPE11LA4 | 660 | 49400 | 120000 | 1.6 | 16400 | 1.15 |

P = 4 kW

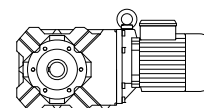
| 50 Hz | | | i | Type | m | F _{RN} | F _{RV} | 60 Hz | | |
|-------------------------|----------------------|----------------|-------|------------------|-----|-----------------|-----------------|-------------------------|----------------------|----------------|
| n ₂ 1/min | M ₂ Nm | f _B | | | | | | n ₂ 1/min | M ₂ Nm | f _B |
| 310 | 113 | 1.7 | 4.73 | BK30-../DPE11LB4 | 76 | 1550 | 8800 | 370 | 94 | 2.1 |
| 245 | 143 | 1.5 | 6.02 | BK30-../DPE11LB4 | 76 | 1690 | 9600 | 290 | 121 | 1.75 |
| 195 | 180 | 1.5 | 7.45 | BK30-../DPE11LB4 | 76 | 2200 | 10400 | 235 | 149 | 1.8 |
| 151 | 230 | 1.4 | 9.63 | BK30-../DPE11LB4 | 76 | 3150 | 11500 | 181 | 194 | 1.65 |
| 128 | 265 | 1.55 | 11.39 | BK30-../DPE11LB4 | 76 | 4150 | 11000 | 153 | 220 | 1.9 |
| 122 | 285 | 1.1 | 11.93 | BK30-../DPE11LB4 | 76 | 3650 | 12000 | 146 | 240 | 1.35 |
| 104 | 330 | 0.97 | 13.98 | BK30-../DPE11LB4 | 76 | 4050 | 12000 | 125 | 275 | 1.15 |
| 100 | 340 | 1.3 | 14.50 | BK30-../DPE11LB4 | 76 | 4900 | 12000 | 120 | 285 | 1.6 |
| 81 | 420 | 1.05 | 17.95 | BK30-../DPE11LB4 | 76 | 5300 | 12000 | 97 | 350 | 1.3 |
| 63 | 540 | 0.83 | 23.20 | BK30-../DPE11LB4 | 76 | 5900 | 12000 | 75 | 455 | 0.99 |
| 245 | 143 | 3.3 | 6.02 | BK40-../DPE11LB4 | 102 | 470 | 9800 | 290 | 121 | 3.9 |
| 194 | 181 | 2.7 | 7.49 | BK40-../DPE11LB4 | 102 | 750 | 10500 | 235 | 149 | 3.3 |
| 156 | 225 | 2.2 | 9.31 | BK40-../DPE11LB4 | 102 | 1040 | 11200 | 187 | 187 | 2.6 |
| 130 | 260 | 2.8 | 11.17 | BK40-../DPE11LB4 | 102 | 4100 | 13100 | 156 | 220 | 3.3 |
| 123 | 285 | 1.75 | 11.86 | BK40-../DPE11LB4 | 102 | 1770 | 12200 | 147 | 235 | 2.1 |
| 100 | 340 | 2.3 | 14.50 | BK40-../DPE11LB4 | 102 | 4500 | 14300 | 120 | 285 | 2.7 |
| 81 | 420 | 1.85 | 18.05 | BK40-../DPE11LB4 | 102 | 4900 | 15300 | 97 | 350 | 2.2 |
| 65 | 520 | 1.5 | 22.44 | BK40-../DPE11LB4 | 102 | 5500 | 16500 | 78 | 440 | 1.75 |
| 51 | 670 | 1.15 | 28.59 | BK40-../DPE11LB4 | 102 | 6300 | 17000 | 61 | 560 | 1.4 |
| 42 | 810 | 0.96 | 34.61 | BK40-../DPE11LB4 | 102 | 6900 | 17000 | 51 | 670 | 1.15 |
| 35.5 | 960 | 0.81 | 40.88 | BK40-../DPE11LB4 | 102 | 7600 | 17000 | 43 | 790 | 0.99 |
| 104 | 330 | 3.2 | 13.95 | BK50-../DPE11LB4 | 132 | 6100 | 17400 | 125 | 275 | 3.8 |
| 96 | 355 | 3.0 | 15.19 | BK50-../DPE11LB4 | 132 | 6300 | 18000 | 115 | 295 | 3.6 |
| 81 | 425 | 1.7 | 17.92 | BK50-../DPE11LB4 | 132 | 4600 | 16800 | 98 | 350 | 2.1 |
| 76 | 450 | 2.3 | 19.33 | BK50-../DPE11LB4 | 132 | 6900 | 19200 | 91 | 375 | 2.8 |
| 55 | 620 | 1.7 | 26.51 | BK50-../DPE11LB4 | 132 | 7800 | 21200 | 66 | 520 | 2.0 |
| 41.5 | 820 | 1.3 | 35.21 | BK50-../DPE11LB4 | 132 | 8700 | 23100 | 49.5 | 690 | 1.5 |
| 31 | 1090 | 0.96 | 47.50 | BK50-../DPE11LB4 | 132 | 10100 | 25700 | 37 | 910 | 1.15 |
| 53 | 720 | 3.2 | 27.36 | BK60-../DPE11LB4 | 142 | 5600 | 23200 | 64 | 590 | 3.9 |
| 43 | 880 | 2.6 | 33.78 | BK60-../DPE11LB4 | 142 | 6500 | 25200 | 52 | 730 | 3.2 |
| 38.5 | 990 | 2.3 | 37.80 | BK60-../DPE11LB4 | 142 | 7300 | 26500 | 46.5 | 820 | 2.8 |
| 32.5 | 1170 | 1.95 | 45.05 | BK60-../DPE11LB4 | 142 | 8200 | 28300 | 39 | 970 | 2.4 |
| 29 | 1310 | 1.75 | 50.40 | BK60-../DPE11LB4 | 142 | 9100 | 29800 | 35 | 1090 | 2.1 |
| 25 | 1520 | 1.5 | 58.95 | BK60-../DPE11LB4 | 142 | 9900 | 31500 | 30 | 1270 | 1.8 |
| 22 | 1730 | 1.35 | 65.95 | BK60-../DPE11LB4 | 142 | 10900 | 33000 | 26.5 | 1440 | 1.6 |
| 19 | 2000 | 1.15 | 78.13 | BK60-../DPE11LB4 | 142 | 11900 | 34000 | 22.5 | 1690 | 1.35 |
| 17 | 2200 | 1.05 | 87.41 | BK60-../DPE11LB4 | 142 | 12900 | 34000 | 20 | 1910 | 1.2 |
| 14.5 | 2600 | 0.88 | 101.2 | BK60-../DPE11LB4 | 142 | 13900 | 34000 | 17.5 | 2150 | 1.05 |
| 24 | 1590 | 3.3 | 61.60 | BK70-../DPE11LB4 | 221 | 11500 | 42800 | 28.5 | 1340 | 3.9 |
| 21 | 1810 | 2.9 | 70.23 | BK70-../DPE11LB4 | 221 | 12500 | 44800 | 25 | 1520 | 3.4 |
| 18.5 | 2050 | 2.5 | 79.89 | BK70-../DPE11LB4 | 221 | 14300 | 47600 | 22 | 1730 | 3.0 |
| 16 | 2350 | 2.2 | 90.96 | BK70-../DPE11LB4 | 221 | 15300 | 49900 | 19.5 | 1950 | 2.7 |
| 14.5 | 2600 | 2.0 | 103.5 | BK70-../DPE11LB4 | 221 | 17200 | 50000 | 17 | 2200 | 2.4 |
| 12.5 | 3050 | 1.7 | 120.2 | BK70-../DPE11LB4 | 221 | 18600 | 50000 | 14.5 | 2600 | 2.0 |
| 11 | 3450 | 1.5 | 136.7 | BK70-../DPE11LB4 | 221 | 20700 | 50000 | 13 | 2900 | 1.8 |

The torques marked (*) are maximum permissible torques for service factor f_B=1,0.

BK-series bevel geared motors

Selection - bevel geared motors

P = 4 kW

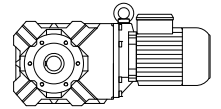


| 50 Hz | | | i | Type | m | F _{RN} | F _{RV} | 60 Hz | | |
|-------------------------|----------------------|----------------|-------|---------------------|-----|-----------------|-----------------|-------------------------|----------------------|----------------|
| n ₂ 1/min | M ₂ Nm | f _B | | | | | | n ₂ 1/min | M ₂ Nm | f _B |
| 9.4 | 4050 | 1.3 | 154.4 | BK70-../DPE11LB4 | 221 | 21900 | 50000 | 11.5 | 3300 | 1.6 |
| 8.3 | 4600 | 1.15 | 175.7 | BK70-../DPE11LB4 | 221 | 24100 | 50000 | 10 | 3800 | 1.35 |
| 7.7 | 4950 | 1.05 | 190.4 | BK70Z-../DPE11LB4 | 247 | 24100 | 50000 | 9.2 | 4150 | 1.25 |
| 6.5 | 5800 | 0.9 | 226.2 | BK70Z-../DPE11LB4 | 247 | 24100 | 50000 | 7.7 | 4950 | 1.05 |
| 11.5 | 3300 | 3.2 | 131.6 | BK80-../DPE11LB4 | 336 | 24900 | 75000 | 13.5 | 2800 | 3.8 |
| 9.5 | 4000 | 2.6 | 153.1 | BK80-../DPE11LB4 | 336 | 27200 | 75000 | 11.5 | 3300 | 3.2 |
| 8.5 | 4450 | 2.4 | 171.5 | BK80-../DPE11LB4 | 336 | 30000 | 75000 | 10.5 | 3600 | 2.9 |
| 8.2 | 4650 | 2.5 | 177.6 | BK80Z-../DPE11LB4 | 378 | 30000 | 75000 | 9.8 | 3850 | 3.0 |
| 7.3 | 5200 | 2.2 | 198.9 | BK80Z-../DPE11LB4 | 378 | 30000 | 75000 | 8.8 | 4300 | 2.7 |
| 6.5 | 5800 | 2.0 | 226.1 | BK80Z-../DPE11LB4 | 378 | 30000 | 75000 | 7.7 | 4950 | 2.3 |
| 5.8 | 6500 | 1.75 | 253.3 | BK80Z-../DPE11LB4 | 378 | 30000 | 75000 | 6.9 | 5500 | 2.1 |
| 4.9 | 7700 | 1.5 | 300.6 | BK80Z-../DPE11LB4 | 378 | 30000 | 75000 | 5.8 | 6500 | 1.75 |
| 4.4 | 8600 | 1.35 | 336.7 | BK80Z-../DPE11LB4 | 378 | 30000 | 75000 | 5.2 | 7300 | 1.6 |
| 3.8 | 10000 | 1.15 | 389.0 | BK80Z-../DPE11LB4 | 378 | 30000 | 75000 | 4.5 | 8400 | 1.35 |
| 3.4 | 11200 | 1.05 | 435.7 | BK80Z-../DPE11LB4 | 378 | 30000 | 75000 | 4.0 | 9500 | 1.2 |
| 3.0 | 12700 | 0.91 | 499.5 | BK80Z-../DPE11LB4 | 378 | 30000 | 75000 | 3.5 | 10900 | 1.05 |
| 6.2 | 6100 | 3.0 | 234.6 | BK90Z-../DPE11LB4 | 643 | 49400 | 120000 | 7.5 | 5000 | 3.7 |
| 5.6 | 6800 | 2.7 | 262.5 | BK90Z-../DPE11LB4 | 643 | 49400 | 120000 | 6.7 | 5700 | 3.2 |
| 5.0 | 7600 | 2.4 | 295.6 | BK90Z-../DPE11LB4 | 643 | 49400 | 120000 | 5.9 | 6400 | 2.9 |
| 4.4 | 8600 | 2.2 | 330.7 | BK90Z-../DPE11LB4 | 643 | 49400 | 120000 | 5.3 | 7200 | 2.6 |
| 3.8 | 10000 | 1.85 | 389.1 | BK90Z-../DPE11LB4 | 643 | 49400 | 120000 | 4.5 | 8400 | 2.2 |
| 3.4 | 11200 | 1.65 | 435.3 | BK90Z-../DPE11LB4 | 643 | 49400 | 120000 | 4.0 | 9500 | 1.95 |
| 3.0 | 12700 | 1.45 | 499.2 | BK90Z-../DPE11LB4 | 643 | 49400 | 120000 | 3.5 | 10900 | 1.7 |
| 2.6 | 14600 | 1.25 | 558.5 | BK90Z-../DPE11LB4 | 643 | 49400 | 120000 | 3.2 | 11900 | 1.55 |
| 2.3 | 16600 | 1.1 | 637.7 | BK90Z-../DPE11LB4 | 643 | 49400 | 120000 | 2.8 | 13600 | 1.35 |
| 2.1 | 18100 | 1.0 | 713.5 | BK90Z-../DPE11LB4 | 643 | 49400 | 120000 | 2.5 | 15200 | 1.2 |
| 1.8 | 19800 | 0.93 | 821.0 | BK90G50-../DPE11LB4 | 660 | 49400 | 120000 | 2.2 | 16000 | 1.15 |
| 1.7 | 21200 | 0.87 | 882.3 | BK90G50-../DPE11LB4 | 660 | 49400 | 120000 | 2.0 | 17900 | 1.05 |

P = 5.5 kW

| 50 Hz | | | i | Type | m | F _{RN} | F _{RV} | 60 Hz | | |
|-------------------------|----------------------|----------------|-------|-------------------|-----|-----------------|-----------------|-------------------------|----------------------|----------------|
| n ₂ 1/min | M ₂ Nm | f _B | | | | | | n ₂ 1/min | M ₂ Nm | f _B |
| 310 | 155 | 1.25 | 4.73 | BK30-../DPE11LB4C | 80 | 1550 | 8800 | 375 | 128 | 1.5 |
| 245 | 197 | 1.1 | 6.02 | BK30-../DPE11LB4C | 80 | 1690 | 9600 | 295 | 163 | 1.3 |
| 196 | 245 | 1.1 | 7.45 | BK30-../DPE11LB4C | 80 | 2200 | 10400 | 240 | 200 | 1.35 |
| 152 | 315 | 1.0 | 9.63 | BK30-../DPE11LB4C | 80 | 3150 | 11500 | 183 | 260 | 1.25 |
| 129 | 365 | 1.15 | 11.39 | BK30-../DPE11LB4C | 80 | 4150 | 11000 | 155 | 300 | 1.4 |
| 123 | 390 | 0.82 | 11.93 | BK30-../DPE11LB4C | 80 | 3650 | 12000 | 148 | 325 | 0.98 |
| 101 | 465 | 0.97 | 14.50 | BK30-../DPE11LB4C | 80 | 4900 | 12000 | 122 | 385 | 1.15 |
| 320 | 151 | 2.9 | 4.63 | BK40-../DPE11LB4C | 106 | 430 | 8900 | 385 | 125 | 3.4 |
| 245 | 197 | 2.4 | 6.02 | BK40-../DPE11LB4C | 106 | 470 | 9800 | 295 | 163 | 2.9 |
| 195 | 245 | 2.0 | 7.49 | BK40-../DPE11LB4C | 106 | 750 | 10500 | 235 | 205 | 2.4 |
| 157 | 305 | 1.6 | 9.31 | BK40-../DPE11LB4C | 106 | 1040 | 11200 | 190 | 250 | 1.95 |
| 131 | 360 | 2.0 | 11.17 | BK40-../DPE11LB4C | 106 | 4100 | 13100 | 158 | 295 | 2.4 |
| 124 | 385 | 1.3 | 11.86 | BK40-../DPE11LB4C | 106 | 1770 | 12200 | 149 | 320 | 1.55 |
| 101 | 465 | 1.7 | 14.50 | BK40-../DPE11LB4C | 106 | 4500 | 14300 | 122 | 385 | 2.0 |
| 81 | 580 | 1.35 | 18.05 | BK40-../DPE11LB4C | 106 | 4900 | 15300 | 98 | 480 | 1.65 |
| 66 | 710 | 1.1 | 22.44 | BK40-../DPE11LB4C | 106 | 5500 | 16500 | 79 | 590 | 1.3 |
| 52 | 900 | 0.87 | 28.59 | BK40-../DPE11LB4C | 106 | 6300 | 17000 | 62 | 760 | 1.05 |

The torques marked (*) are maximum permissible torques for service factor f_B=1.0.



P = 5.5 kW

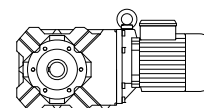
| 50 Hz | | | i | Type | m | F _{RN} | F _{RV} | 60 Hz | | |
|-------------------------|----------------------|----------------|-------|--------------------|-----|-----------------|-----------------|-------------------------|----------------------|----------------|
| n ₂ 1/min | M ₂ Nm | f _B | | | | | | n ₂ 1/min | M ₂ Nm | f _B |
| 151 | 310 | 3.0 | 9.73 | BK50-../DPE11LB4C | 136 | 5400 | 15400 | 181 | 260 | 3.6 |
| 146 | 330 | 2.5 | 10.00 | BK50-../DPE11LB4C | 136 | 1220 | 13200 | 176 | 270 | 3.0 |
| 105 | 450 | 2.3 | 13.95 | BK50-../DPE11LB4C | 136 | 6100 | 17400 | 127 | 370 | 2.8 |
| 97 | 485 | 2.2 | 15.19 | BK50-../DPE11LB4C | 136 | 6300 | 18000 | 116 | 405 | 2.6 |
| 82 | 580 | 1.25 | 17.92 | BK50-../DPE11LB4C | 136 | 4600 | 16800 | 99 | 480 | 1.5 |
| 76 | 620 | 1.7 | 19.33 | BK50-../DPE11LB4C | 136 | 6900 | 19200 | 92 | 510 | 2.1 |
| 56 | 840 | 1.25 | 26.51 | BK50-../DPE11LB4C | 136 | 7800 | 21200 | 67 | 700 | 1.5 |
| 41.5 | 1130 | 0.93 | 35.21 | BK50-../DPE11LB4C | 136 | 8700 | 23100 | 50 | 940 | 1.1 |
| 72 | 720 | 3.1 | 20.54 | BK60-../DPE11LB4C | 146 | 4400 | 20600 | 86 | 610 | 3.7 |
| 60 | 870 | 2.6 | 24.45 | BK60-../DPE11LB4C | 146 | 4850 | 22000 | 72 | 720 | 3.2 |
| 54 | 970 | 2.4 | 27.36 | BK60-../DPE11LB4C | 146 | 5600 | 23200 | 65 | 800 | 2.9 |
| 43.5 | 1200 | 1.9 | 33.78 | BK60-../DPE11LB4C | 146 | 6500 | 25200 | 53 | 990 | 2.3 |
| 39 | 1340 | 1.7 | 37.80 | BK60-../DPE11LB4C | 146 | 7300 | 26500 | 47 | 1110 | 2.1 |
| 32.5 | 1610 | 1.45 | 45.05 | BK60-../DPE11LB4C | 146 | 8200 | 28300 | 39.5 | 1320 | 1.75 |
| 29 | 1810 | 1.25 | 50.40 | BK60-../DPE11LB4C | 146 | 9100 | 29800 | 35 | 1500 | 1.55 |
| 25 | 2100 | 1.1 | 58.95 | BK60-../DPE11LB4C | 146 | 9900 | 31500 | 30 | 1750 | 1.3 |
| 22.5 | 2300 | 1.0 | 65.95 | BK60-../DPE11LB4C | 146 | 10900 | 33000 | 27 | 1940 | 1.2 |
| 19 | 2750 | 0.84 | 78.13 | BK60-../DPE11LB4C | 146 | 11900 | 34000 | 23 | 2250 | 1.0 |
| 32.5 | 1610 | 3.2 | 45.59 | BK70-../DPE11LB4C | 225 | 9000 | 37900 | 39 | 1340 | 3.8 |
| 27 | 1940 | 2.7 | 54.15 | BK70-../DPE11LB4C | 225 | 9900 | 40200 | 33 | 1590 | 3.3 |
| 24 | 2150 | 2.4 | 61.60 | BK70-../DPE11LB4C | 225 | 11500 | 42800 | 29 | 1810 | 2.9 |
| 21 | 2500 | 2.1 | 70.23 | BK70-../DPE11LB4C | 225 | 12500 | 44800 | 25.5 | 2050 | 2.5 |
| 18.5 | 2800 | 1.85 | 79.89 | BK70-../DPE11LB4C | 225 | 14300 | 47600 | 22.5 | 2300 | 2.3 |
| 16.5 | 3150 | 1.65 | 90.96 | BK70-../DPE11LB4C | 225 | 15300 | 49900 | 19.5 | 2650 | 1.95 |
| 14.5 | 3600 | 1.45 | 103.5 | BK70-../DPE11LB4C | 225 | 17200 | 50000 | 17.5 | 3000 | 1.75 |
| 12.5 | 4200 | 1.25 | 120.2 | BK70-../DPE11LB4C | 225 | 18600 | 50000 | 15 | 3500 | 1.5 |
| 11 | 4750 | 1.1 | 136.7 | BK70-../DPE11LB4C | 225 | 20700 | 50000 | 13 | 4000 | 1.3 |
| 9.5 | 5500 | 0.95 | 154.4 | BK70-../DPE11LB4C | 225 | 21900 | 50000 | 11.5 | 4550 | 1.15 |
| 8.4 | 6200 | 0.84 | 175.7 | BK70-../DPE11LB4C | 225 | 24100 | 50000 | 10.5 | 5000 | 1.05 |
| 16 | 3250 | 3.2 | 91.53 | BK80-../DPE11LB4C | 340 | 18300 | 74200 | 19.5 | 2650 | 3.9 |
| 14.5 | 3600 | 2.9 | 102.5 | BK80-../DPE11LB4C | 340 | 20500 | 75000 | 17.5 | 3000 | 3.5 |
| 12.5 | 4200 | 2.5 | 117.5 | BK80-../DPE11LB4C | 340 | 22300 | 75000 | 15 | 3500 | 3.0 |
| 11.5 | 4550 | 2.3 | 131.6 | BK80-../DPE11LB4C | 340 | 24900 | 75000 | 13.5 | 3850 | 2.7 |
| 9.6 | 5400 | 1.95 | 153.1 | BK80-../DPE11LB4C | 340 | 27200 | 75000 | 11.5 | 4550 | 2.3 |
| 8.6 | 6100 | 1.7 | 171.5 | BK80-../DPE11LB4C | 340 | 30000 | 75000 | 10.5 | 5000 | 2.1 |
| 8.3 | 6300 | 1.85 | 177.6 | BK80Z-../DPE11LB4C | 382 | 30000 | 75000 | 10 | 5200 | 2.2 |
| 7.4 | 7000 | 1.65 | 198.9 | BK80Z-../DPE11LB4C | 382 | 30000 | 75000 | 8.9 | 5900 | 1.95 |
| 6.5 | 8000 | 1.45 | 226.1 | BK80Z-../DPE11LB4C | 382 | 30000 | 75000 | 7.8 | 6700 | 1.7 |
| 5.8 | 9000 | 1.3 | 253.3 | BK80Z-../DPE11LB4C | 382 | 30000 | 75000 | 7.0 | 7500 | 1.55 |
| 4.9 | 10700 | 1.05 | 300.6 | BK80Z-../DPE11LB4C | 382 | 30000 | 75000 | 5.9 | 8900 | 1.3 |
| 4.4 | 11900 | 0.97 | 336.7 | BK80Z-../DPE11LB4C | 382 | 30000 | 75000 | 5.3 | 9900 | 1.15 |
| 3.8 | 13800 | 0.83 | 389.0 | BK80Z-../DPE11LB4C | 382 | 30000 | 75000 | 4.6 | 11400 | 1.0 |
| 8.4 | 6200 | 3.0 | 174.7 | BK90Z-../DPE11LB4C | 647 | 49400 | 120000 | 10.5 | 5000 | 3.7 |
| 7.5 | 7000 | 2.6 | 195.4 | BK90Z-../DPE11LB4C | 647 | 49400 | 120000 | 9.1 | 5700 | 3.2 |
| 6.3 | 8300 | 2.2 | 234.6 | BK90Z-../DPE11LB4C | 647 | 49400 | 120000 | 7.6 | 6900 | 2.7 |
| 5.6 | 9300 | 2.0 | 262.5 | BK90Z-../DPE11LB4C | 647 | 49400 | 120000 | 6.8 | 7700 | 2.4 |
| 5.0 | 10500 | 1.75 | 295.6 | BK90Z-../DPE11LB4C | 647 | 49400 | 120000 | 6.0 | 8700 | 2.1 |
| 4.5 | 11600 | 1.6 | 330.7 | BK90Z-../DPE11LB4C | 647 | 49400 | 120000 | 5.4 | 9700 | 1.9 |
| 3.8 | 13800 | 1.35 | 389.1 | BK90Z-../DPE11LB4C | 647 | 49400 | 120000 | 4.6 | 11400 | 1.6 |
| 3.4 | 15400 | 1.2 | 435.3 | BK90Z-../DPE11LB4C | 647 | 49400 | 120000 | 4.1 | 12800 | 1.45 |
| 3.0 | 17500 | 1.05 | 499.2 | BK90Z-../DPE11LB4C | 647 | 49400 | 120000 | 3.6 | 14500 | 1.3 |
| 2.7 | 19400 | 0.95 | 558.5 | BK90Z-../DPE11LB4C | 647 | 49400 | 120000 | 3.2 | 16400 | 1.15 |
| 2.3 | 22800 | 0.81 | 637.7 | BK90Z-../DPE11LB4C | 647 | 49400 | 120000 | 2.8 | 18700 | 0.99 |

The torques marked (*) are maximum permissible torques for service factor f_B=1,0.

BK-series bevel geared motors

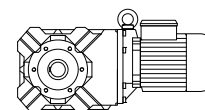
Selection - bevel geared motors

P = 7.5 kW



| 50 Hz | | | i | Type | m | F _{RN} | F _{RV} | 60 Hz | | |
|-------------------------|----------------------|----------------|-------|-------------------|-----|-----------------|-----------------|-------------------------|----------------------|----------------|
| n ₂ 1/min | M ₂ Nm | f _B | | | | | | n ₂ 1/min | M ₂ Nm | f _B |
| 400 | 164 | 4.4 | 3.67 | BK50-../DPE13XA4 | 147 | 115 | 9400 | 480 | 137 | 5.2 |
| 280 | 235 | 3.5 | 5.26 | BK50-../DPE13XA4 | 147 | 130 | 10700 | 335 | 196 | 4.1 |
| 205 | 320 | 2.5 | 7.29 | BK50-../DPE13XA4 | 147 | 620 | 111000 | 245 | 265 | 3.1 |
| 151 | 425 | 2.2 | 9.73 | BK50-../DPE13XA4 | 147 | 5400 | 15400 | 181 | 355 | 2.6 |
| 146 | 450 | 1.8 | 10.00 | BK50-../DPE13XA4 | 147 | 1220 | 13200 | 176 | 370 | 2.2 |
| 105 | 610 | 1.7 | 13.95 | BK50-../DPE13XA4 | 147 | 6100 | 17400 | 127 | 500 | 2.1 |
| 97 | 660 | 1.6 | 15.19 | BK50-../DPE13XA4 | 147 | 6300 | 18000 | 116 | 550 | 1.9 |
| 82 | 790 | 0.92 | 17.92 | BK50-../DPE13XA4 | 147 | 4600 | 16800 | 99 | 650 | 1.1 |
| 76 | 840 | 1.25 | 19.33 | BK50-../DPE13XA4 | 147 | 6900 | 19200 | 92 | 700 | 1.5 |
| 56 | 1150 | 0.91 | 26.51 | BK50-../DPE13XA4 | 147 | 7800 | 21200 | 67 | 960 | 1.1 |
| 135 | 530 | 3.2 | 10.82 | BK60-../DPE13XA4 | 159 | 3200 | 17000 | 163 | 435 | 3.9 |
| 118 | 600 | 3.1 | 12.38 | BK60-../DPE13XA4 | 159 | 3500 | 17400 | 143 | 500 | 3.8 |
| 106 | 670 | 2.9 | 13.85 | BK60-../DPE13XA4 | 159 | 3850 | 18000 | 128 | 550 | 3.6 |
| 102 | 700 | 2.8 | 14.41 | BK60-../DPE13XA4 | 159 | 3650 | 18600 | 123 | 580 | 3.3 |
| 91 | 780 | 2.5 | 16.05 | BK60-../DPE13XA4 | 159 | 4050 | 18800 | 110 | 650 | 3.0 |
| 80 | 890 | 2.5 | 18.36 | BK60-../DPE13XA4 | 159 | 4000 | 19900 | 96 | 740 | 3.0 |
| 72 | 990 | 2.3 | 20.54 | BK60-../DPE13XA4 | 159 | 4400 | 20600 | 86 | 830 | 2.7 |
| 60 | 1190 | 1.95 | 24.45 | BK60-../DPE13XA4 | 159 | 4850 | 22000 | 72 | 990 | 2.3 |
| 54 | 1320 | 1.75 | 27.36 | BK60-../DPE13XA4 | 159 | 5600 | 23200 | 65 | 1100 | 2.1 |
| 43.5 | 1640 | 1.4 | 33.78 | BK60-../DPE13XA4 | 159 | 6500 | 25200 | 53 | 1350 | 1.7 |
| 39 | 1830 | 1.25 | 37.80 | BK60-../DPE13XA4 | 159 | 7300 | 26500 | 47 | 1520 | 1.5 |
| 32.5 | 2200 | 1.05 | 45.05 | BK60-../DPE13XA4 | 159 | 8200 | 28300 | 39.5 | 1810 | 1.25 |
| 29 | 2450 | 0.94 | 50.40 | BK60-../DPE13XA4 | 159 | 9100 | 29800 | 35 | 2000 | 1.15 |
| 25 | 2850 | 0.81 | 58.95 | BK60-../DPE13XA4 | 159 | 9900 | 31500 | 30 | 2350 | 0.98 |
| 47.5 | 1500 | 3.0 | 30.90 | BK70-../DPE13XA4 | 238 | 7500 | 33600 | 57 | 1250 | 3.6 |
| 42 | 1700 | 2.8 | 35.15 | BK70-../DPE13XA4 | 238 | 8000 | 35000 | 51 | 1400 | 3.4 |
| 36.5 | 1960 | 2.5 | 40.08 | BK70-../DPE13XA4 | 238 | 8300 | 36300 | 44 | 1620 | 3.0 |
| 32.5 | 2200 | 2.3 | 45.59 | BK70-../DPE13XA4 | 238 | 9000 | 37900 | 39 | 1830 | 2.8 |
| 27 | 2650 | 1.95 | 54.15 | BK70-../DPE13XA4 | 238 | 9900 | 40200 | 33 | 2150 | 2.4 |
| 24 | 2950 | 1.75 | 61.60 | BK70-../DPE13XA4 | 238 | 11500 | 42800 | 29 | 2450 | 2.1 |
| 21 | 3400 | 1.55 | 70.23 | BK70-../DPE13XA4 | 238 | 12500 | 44800 | 25.5 | 2800 | 1.85 |
| 18.5 | 3850 | 1.35 | 79.89 | BK70-../DPE13XA4 | 238 | 14300 | 47600 | 22.5 | 3150 | 1.65 |
| 16.5 | 4300 | 1.2 | 90.96 | BK70-../DPE13XA4 | 238 | 15300 | 49900 | 19.5 | 3650 | 1.4 |
| 14.5 | 4900 | 1.05 | 103.5 | BK70-../DPE13XA4 | 238 | 17200 | 50000 | 17.5 | 4050 | 1.3 |
| 12.5 | 5700 | 0.91 | 120.2 | BK70-../DPE13XA4 | 238 | 18600 | 50000 | 15 | 4750 | 1.1 |
| 11 | 6500 | 0.8 | 136.7 | BK70-../DPE13XA4 | 238 | 20700 | 50000 | 13 | 5500 | 0.95 |
| 24.5 | 2900 | 3.2 | 59.60 | BK80-../DPE13XA4 | 352 | 15700 | 65500 | 30 | 2350 | 3.9 |
| 21 | 3400 | 2.8 | 70.72 | BK80-../DPE13XA4 | 352 | 16600 | 68700 | 25 | 2850 | 3.4 |
| 18.5 | 3850 | 2.6 | 79.22 | BK80-../DPE13XA4 | 352 | 17600 | 71300 | 22.5 | 3150 | 3.2 |
| 16 | 4450 | 2.3 | 91.53 | BK80-../DPE13XA4 | 352 | 18300 | 74200 | 19.5 | 3650 | 2.8 |
| 14.5 | 4900 | 2.1 | 102.5 | BK80-../DPE13XA4 | 352 | 20500 | 75000 | 17.5 | 4050 | 2.6 |
| 12.5 | 5700 | 1.85 | 117.5 | BK80-../DPE13XA4 | 352 | 22300 | 75000 | 15 | 4750 | 2.2 |
| 11.5 | 6200 | 1.7 | 131.6 | BK80-../DPE13XA4 | 352 | 24900 | 75000 | 13.5 | 5300 | 2.0 |
| 9.6 | 7400 | 1.4 | 153.1 | BK80-../DPE13XA4 | 352 | 27200 | 75000 | 11.5 | 6200 | 1.7 |
| 8.6 | 8300 | 1.25 | 171.5 | BK80-../DPE13XA4 | 352 | 30000 | 75000 | 10.5 | 6800 | 1.55 |
| 8.3 | 8600 | 1.35 | 177.6 | BK80Z-../DPE13XA4 | 395 | 30000 | 75000 | 10 | 7100 | 1.6 |
| 7.4 | 9600 | 1.2 | 198.9 | BK80Z-../DPE13XA4 | 395 | 30000 | 75000 | 8.9 | 8000 | 1.45 |
| 6.5 | 11000 | 1.05 | 226.1 | BK80Z-../DPE13XA4 | 395 | 30000 | 75000 | 7.8 | 9100 | 1.25 |
| 5.8 | 12300 | 0.93 | 253.3 | BK80Z-../DPE13XA4 | 395 | 30000 | 75000 | 7.0 | 10200 | 1.15 |
| 12.5 | 5700 | 2.9 | 117.0 | BK90-../DPE13XA4 | 604 | 39200 | 113000 | 15.5 | 4600 | 3.7 |
| 11.5 | 6200 | 2.7 | 130.9 | BK90-../DPE13XA4 | 604 | 42700 | 119400 | 13.5 | 5300 | 3.2 |
| 9.8 | 7300 | 2.3 | 149.5 | BK90-../DPE13XA4 | 604 | 45600 | 120000 | 12 | 5900 | 2.8 |
| 8.8 | 8100 | 2.1 | 167.2 | BK90-../DPE13XA4 | 604 | 49400 | 120000 | 11 | 6500 | 2.6 |
| 8.4 | 8500 | 2.2 | 174.7 | BK90Z-../DPE13XA4 | 660 | 49400 | 120000 | 10.5 | 6800 | 2.7 |
| 7.5 | 9500 | 1.95 | 195.4 | BK90Z-../DPE13XA4 | 660 | 49400 | 120000 | 9.1 | 7800 | 2.4 |
| 6.3 | 11300 | 1.65 | 234.6 | BK90Z-../DPE13XA4 | 660 | 49400 | 120000 | 7.6 | 9400 | 1.95 |

The torques marked (*) are maximum permissible torques for service factor f_B=1,0.



P = 7.5 kW

| 50 Hz | | | i | Type | m | F _{RN} | F _{RV} | 60 Hz | | |
|-------------------------|----------------------|----------------|-------|-------------------|-----|-----------------|-----------------|-------------------------|----------------------|----------------|
| n ₂ 1/min | M ₂ Nm | f _B | | | | | | n ₂ 1/min | M ₂ Nm | f _B |
| 5.6 | 12700 | 1.45 | 262.5 | BK90Z-../DPE13XA4 | 660 | 49400 | 120000 | 6.8 | 10500 | 1.75 |
| 5.0 | 14300 | 1.3 | 295.6 | BK90Z-../DPE13XA4 | 660 | 49400 | 120000 | 6.0 | 11900 | 1.55 |
| 4.5 | 15900 | 1.15 | 330.7 | BK90Z-../DPE13XA4 | 660 | 49400 | 120000 | 5.4 | 13200 | 1.4 |
| 3.8 | 18800 | 0.98 | 389.1 | BK90Z-../DPE13XA4 | 660 | 49400 | 120000 | 4.6 | 15500 | 1.2 |
| 3.4 | 21000 | 0.88 | 435.3 | BK90Z-../DPE13XA4 | 660 | 49400 | 120000 | 4.1 | 17400 | 1.05 |

P = 9.5 kW

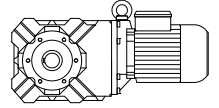
| 50 Hz | | | i | Type | m | F _{RN} | F _{RV} | 60 Hz | | |
|-------------------------|----------------------|----------------|-------|------------------|-----|-----------------|-----------------|-------------------------|----------------------|----------------|
| n ₂ 1/min | M ₂ Nm | f _B | | | | | | n ₂ 1/min | M ₂ Nm | f _B |
| 405 | 205 | 3.5 | 3.67 | BK50-../DPE16LB4 | 183 | 115 | 9400 | 485 | 172 | 4.2 |
| 280 | 295 | 2.8 | 5.26 | BK50-../DPE16LB4 | 183 | 130 | 10700 | 340 | 245 | 3.3 |
| 205 | 405 | 2.0 | 7.29 | BK50-../DPE16LB4 | 183 | 620 | 111000 | 245 | 340 | 2.4 |
| 152 | 530 | 1.75 | 9.73 | BK50-../DPE16LB4 | 183 | 5400 | 15400 | 182 | 445 | 2.1 |
| 147 | 560 | 1.45 | 10.00 | BK50-../DPE16LB4 | 183 | 1220 | 13200 | 177 | 470 | 1.75 |
| 106 | 770 | 1.35 | 13.95 | BK50-../DPE16LB4 | 183 | 6100 | 17400 | 127 | 640 | 1.65 |
| 97 | 840 | 1.25 | 15.19 | BK50-../DPE16LB4 | 183 | 6300 | 18000 | 117 | 690 | 1.5 |
| 77 | 1060 | 0.99 | 19.33 | BK50-../DPE16LB4 | 183 | 6900 | 19200 | 92 | 880 | 1.2 |
| 205 | 440 | 3.3 | 7.29 | BK60-../DPE16LB4 | 195 | 2800 | 14900 | 245 | 370 | 4.0 |
| 136 | 660 | 2.5 | 10.82 | BK60-../DPE16LB4 | 195 | 3200 | 17000 | 164 | 550 | 3.0 |
| 119 | 760 | 2.5 | 12.38 | BK60-../DPE16LB4 | 195 | 3500 | 17400 | 143 | 630 | 3.0 |
| 107 | 840 | 2.3 | 13.85 | BK60-../DPE16LB4 | 195 | 3850 | 18000 | 128 | 700 | 2.8 |
| 103 | 880 | 2.2 | 14.41 | BK60-../DPE16LB4 | 195 | 3650 | 18600 | 123 | 730 | 2.6 |
| 92 | 980 | 2.0 | 16.05 | BK60-../DPE16LB4 | 195 | 4050 | 18800 | 111 | 810 | 2.4 |
| 81 | 1120 | 1.95 | 18.36 | BK60-../DPE16LB4 | 195 | 4000 | 19900 | 97 | 930 | 2.3 |
| 72 | 1260 | 1.8 | 20.54 | BK60-../DPE16LB4 | 195 | 4400 | 20600 | 87 | 1040 | 2.2 |
| 61 | 1480 | 1.55 | 24.45 | BK60-../DPE16LB4 | 195 | 4850 | 22000 | 73 | 1240 | 1.85 |
| 54 | 1680 | 1.35 | 27.36 | BK60-../DPE16LB4 | 195 | 5600 | 23200 | 65 | 1390 | 1.65 |
| 44 | 2050 | 1.1 | 33.78 | BK60-../DPE16LB4 | 195 | 6500 | 25200 | 53 | 1710 | 1.35 |
| 39 | 2300 | 1.0 | 37.80 | BK60-../DPE16LB4 | 195 | 7300 | 26500 | 47 | 1930 | 1.2 |
| 33 | 2700 | 0.85 | 45.05 | BK60-../DPE16LB4 | 195 | 8200 | 28300 | 39.5 | 2250 | 1.0 |
| 97 | 930 | 3.3 | 15.16 | BK70-../DPE16LB4 | 278 | 5600 | 25800 | 117 | 770 | 4.0 |
| 86 | 1050 | 3.3 | 17.24 | BK70-../DPE16LB4 | 278 | 6500 | 29200 | 103 | 880 | 4.0 |
| 68 | 1330 | 3.1 | 21.88 | BK70-../DPE16LB4 | 278 | 6500 | 30200 | 81 | 1120 | 3.6 |
| 60 | 1510 | 2.8 | 24.89 | BK70-../DPE16LB4 | 278 | 7000 | 31500 | 72 | 1260 | 3.4 |
| 48 | 1890 | 2.4 | 30.90 | BK70-../DPE16LB4 | 278 | 7500 | 33600 | 58 | 1560 | 2.9 |
| 42 | 2150 | 2.2 | 35.15 | BK70-../DPE16LB4 | 278 | 8000 | 35000 | 51 | 1770 | 2.7 |
| 37 | 2450 | 2.0 | 40.08 | BK70-../DPE16LB4 | 278 | 8300 | 36300 | 44.5 | 2000 | 2.4 |
| 32.5 | 2750 | 1.85 | 45.59 | BK70-../DPE16LB4 | 278 | 9000 | 37900 | 39 | 2300 | 2.2 |
| 27.5 | 3250 | 1.6 | 54.15 | BK70-../DPE16LB4 | 278 | 9900 | 40200 | 33 | 2700 | 1.95 |
| 24 | 3750 | 1.4 | 61.60 | BK70-../DPE16LB4 | 278 | 11500 | 42800 | 29 | 3100 | 1.7 |
| 21 | 4300 | 1.2 | 70.23 | BK70-../DPE16LB4 | 278 | 12500 | 44800 | 25.5 | 3550 | 1.45 |
| 18.5 | 4900 | 1.05 | 79.89 | BK70-../DPE16LB4 | 278 | 14300 | 47600 | 22.5 | 4000 | 1.3 |
| 16.5 | 5400 | 0.96 | 90.96 | BK70-../DPE16LB4 | 278 | 15300 | 49900 | 19.5 | 4650 | 1.1 |
| 14.5 | 6200 | 0.84 | 103.5 | BK70-../DPE16LB4 | 278 | 17200 | 50000 | 17.5 | 5100 | 1.0 |
| 35.5 | 2550 | 3.2 | 41.78 | BK80-../DPE16LB4 | 388 | 13500 | 58700 | 42.5 | 2100 | 3.9 |
| 31.5 | 2850 | 3.0 | 46.80 | BK80-../DPE16LB4 | 388 | 14300 | 60900 | 38 | 2350 | 3.7 |
| 28 | 3200 | 2.8 | 53.21 | BK80-../DPE16LB4 | 388 | 14800 | 63100 | 33.5 | 2700 | 3.3 |
| 25 | 3600 | 2.6 | 59.60 | BK80-../DPE16LB4 | 388 | 15700 | 65500 | 30 | 3000 | 3.1 |
| 21 | 4300 | 2.2 | 70.72 | BK80-../DPE16LB4 | 388 | 16600 | 68700 | 25.5 | 3550 | 2.7 |
| 19 | 4750 | 2.1 | 79.22 | BK80-../DPE16LB4 | 388 | 17600 | 71300 | 22.5 | 4000 | 2.5 |
| 16.5 | 5400 | 1.95 | 91.53 | BK80-../DPE16LB4 | 388 | 18300 | 74200 | 19.5 | 4650 | 2.2 |
| 14.5 | 6200 | 1.7 | 102.5 | BK80-../DPE16LB4 | 388 | 20500 | 75000 | 17.5 | 5100 | 2.1 |

The torques marked (*) are maximum permissible torques for service factor f_B=1,0.

BK-series bevel geared motors

Selection - bevel geared motors

P = 9.5 kW

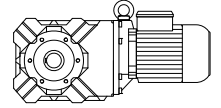


| 50 Hz | | | i | Type | m | F _{RN} | F _{RV} | 60 Hz | | |
|-------------------------|----------------------|----------------|-------|-------------------|-----|-----------------|-----------------|-------------------------|----------------------|----------------|
| n ₂ 1/min | M ₂ Nm | f _B | | | | | | n ₂ 1/min | M ₂ Nm | f _B |
| 13 | 6900 | 1.5 | 117.5 | BK80-../DPE16LB4 | 388 | 22300 | 75000 | 15.5 | 5800 | 1.8 |
| 11.5 | 7800 | 1.35 | 131.6 | BK80-../DPE16LB4 | 388 | 24900 | 75000 | 13.5 | 6700 | 1.55 |
| 9.7 | 9300 | 1.15 | 153.1 | BK80-../DPE16LB4 | 388 | 27200 | 75000 | 12 | 7500 | 1.4 |
| 8.6 | 10500 | 1.0 | 171.5 | BK80-../DPE16LB4 | 388 | 30000 | 75000 | 10.5 | 8600 | 1.2 |
| 8.3 | 10900 | 1.05 | 177.6 | BK80Z-../DPE16LB4 | 431 | 30000 | 75000 | 10 | 9000 | 1.3 |
| 7.4 | 12200 | 0.94 | 198.9 | BK80Z-../DPE16LB4 | 431 | 30000 | 75000 | 8.9 | 10100 | 1.15 |
| 6.6 | 13700 | 0.84 | 226.1 | BK80Z-../DPE16LB4 | 431 | 30000 | 75000 | 7.9 | 11400 | 1.0 |
| 16.5 | 5400 | 3.1 | 91.19 | BK90-../DPE16LB4 | 641 | 33300 | 101000 | 19.5 | 4650 | 3.6 |
| 14.5 | 6200 | 2.7 | 102.0 | BK90-../DPE16LB4 | 641 | 36600 | 107000 | 17.5 | 5100 | 3.3 |
| 13 | 6900 | 2.4 | 117.0 | BK90-../DPE16LB4 | 641 | 39200 | 113000 | 15.5 | 5800 | 2.9 |
| 11.5 | 7800 | 2.2 | 130.9 | BK90-../DPE16LB4 | 641 | 42700 | 119400 | 14 | 6400 | 2.6 |
| 9.9 | 9100 | 1.85 | 149.5 | BK90-../DPE16LB4 | 641 | 45600 | 120000 | 12 | 7500 | 2.2 |
| 8.8 | 10300 | 1.65 | 167.2 | BK90-../DPE16LB4 | 641 | 49400 | 120000 | 11 | 8200 | 2.0 |
| 8.5 | 10600 | 1.75 | 174.7 | BK90Z-../DPE16LB4 | 700 | 49400 | 120000 | 10.5 | 8600 | 2.2 |
| 7.6 | 11900 | 1.55 | 195.4 | BK90Z-../DPE16LB4 | 700 | 49400 | 120000 | 9.1 | 9900 | 1.85 |
| 6.3 | 14400 | 1.3 | 234.6 | BK90Z-../DPE16LB4 | 700 | 49400 | 120000 | 7.6 | 11900 | 1.55 |
| 5.6 | 16200 | 1.15 | 262.5 | BK90Z-../DPE16LB4 | 700 | 49400 | 120000 | 6.8 | 13300 | 1.4 |
| 5.0 | 18100 | 1.0 | 295.6 | BK90Z-../DPE16LB4 | 700 | 49400 | 120000 | 6.0 | 15100 | 1.25 |
| 4.5 | 20100 | 0.92 | 330.7 | BK90Z-../DPE16LB4 | 700 | 49400 | 120000 | 5.4 | 16800 | 1.1 |

P = 11 kW

| 50 Hz | | | i | Type | m | F _{RN} | F _{RV} | 60 Hz | | |
|-------------------------|----------------------|----------------|-------|------------------|-----|-----------------|-----------------|-------------------------|----------------------|----------------|
| n ₂ 1/min | M ₂ Nm | f _B | | | | | | n ₂ 1/min | M ₂ Nm | f _B |
| 405 | 235 | 3.1 | 3.67 | BK50-../DPE16LB4 | 183 | 115 | 9400 | 485 | 199 | 3.6 |
| 280 | 345 | 2.4 | 5.26 | BK50-../DPE16LB4 | 183 | 130 | 10700 | 340 | 280 | 2.9 |
| 205 | 470 | 1.75 | 7.29 | BK50-../DPE16LB4 | 183 | 620 | 111000 | 245 | 390 | 2.1 |
| 152 | 620 | 1.5 | 9.73 | BK50-../DPE16LB4 | 183 | 5400 | 15400 | 182 | 510 | 1.85 |
| 147 | 650 | 1.25 | 10.00 | BK50-../DPE16LB4 | 183 | 1220 | 13200 | 177 | 540 | 1.5 |
| 106 | 890 | 1.2 | 13.95 | BK50-../DPE16LB4 | 183 | 6100 | 17400 | 127 | 740 | 1.4 |
| 97 | 970 | 1.1 | 15.19 | BK50-../DPE16LB4 | 183 | 6300 | 18000 | 117 | 800 | 1.3 |
| 77 | 1220 | 0.86 | 19.33 | BK50-../DPE16LB4 | 183 | 6900 | 19200 | 92 | 1020 | 1.05 |
| 205 | 510 | 2.9 | 7.29 | BK60-../DPE16LB4 | 195 | 2800 | 14900 | 245 | 425 | 3.4 |
| 136 | 770 | 2.2 | 10.82 | BK60-../DPE16LB4 | 195 | 3200 | 17000 | 164 | 640 | 2.6 |
| 119 | 880 | 2.1 | 12.38 | BK60-../DPE16LB4 | 195 | 3500 | 17400 | 143 | 730 | 2.6 |
| 107 | 980 | 2.0 | 13.85 | BK60-../DPE16LB4 | 195 | 3850 | 18000 | 128 | 820 | 2.4 |
| 103 | 1010 | 1.9 | 14.41 | BK60-../DPE16LB4 | 195 | 3650 | 18600 | 123 | 850 | 2.3 |
| 92 | 1140 | 1.75 | 16.05 | BK60-../DPE16LB4 | 195 | 4050 | 18800 | 111 | 940 | 2.1 |
| 81 | 1290 | 1.7 | 18.36 | BK60-../DPE16LB4 | 195 | 4000 | 19900 | 97 | 1080 | 2.0 |
| 72 | 1450 | 1.55 | 20.54 | BK60-../DPE16LB4 | 195 | 4400 | 20600 | 87 | 1200 | 1.9 |
| 61 | 1720 | 1.35 | 24.45 | BK60-../DPE16LB4 | 195 | 4850 | 22000 | 73 | 1430 | 1.6 |
| 54 | 1940 | 1.2 | 27.36 | BK60-../DPE16LB4 | 195 | 5600 | 23200 | 65 | 1610 | 1.45 |
| 44 | 2350 | 0.98 | 33.78 | BK60-../DPE16LB4 | 195 | 6500 | 25200 | 53 | 1980 | 1.15 |
| 39 | 2650 | 0.87 | 37.80 | BK60-../DPE16LB4 | 195 | 7300 | 26500 | 47 | 2200 | 1.05 |
| 108 | 970 | 3.1 | 13.70 | BK70-../DPE16LB4 | 278 | 5400 | 24800 | 130 | 800 | 3.8 |
| 97 | 1080 | 2.8 | 15.16 | BK70-../DPE16LB4 | 278 | 5600 | 25800 | 117 | 890 | 3.4 |
| 86 | 1220 | 2.9 | 17.24 | BK70-../DPE16LB4 | 278 | 6500 | 29200 | 103 | 1010 | 3.5 |
| 68 | 1540 | 2.6 | 21.88 | BK70-../DPE16LB4 | 278 | 6500 | 30200 | 81 | 1290 | 3.2 |
| 60 | 1750 | 2.4 | 24.89 | BK70-../DPE16LB4 | 278 | 7000 | 31500 | 72 | 1450 | 2.9 |
| 48 | 2150 | 2.1 | 30.90 | BK70-../DPE16LB4 | 278 | 7500 | 33600 | 58 | 1810 | 2.5 |
| 42 | 2500 | 1.9 | 35.15 | BK70-../DPE16LB4 | 278 | 8000 | 35000 | 51 | 2050 | 2.3 |

The torques marked (*) are maximum permissible torques for service factor f_B=1.0.



P = 11 kW

| 50 Hz | | | i | Type | m | F _{RN} | F _{RV} | 60 Hz | | |
|-------------------------|----------------------|----------------|-------|-------------------|-----|-----------------|-----------------|-------------------------|----------------------|----------------|
| n ₂ 1/min | M ₂ Nm | f _B | | | | | | n ₂ 1/min | M ₂ Nm | f _B |
| 37 | 2800 | 1.75 | 40.08 | BK70-../DPE16LB4 | 278 | 8300 | 36300 | 44.5 | 2350 | 2.1 |
| 32.5 | 3200 | 1.6 | 45.59 | BK70-../DPE16LB4 | 278 | 9000 | 37900 | 39 | 2650 | 1.95 |
| 27.5 | 3800 | 1.35 | 54.15 | BK70-../DPE16LB4 | 278 | 9900 | 40200 | 33 | 3150 | 1.65 |
| 24 | 4350 | 1.2 | 61.60 | BK70-../DPE16LB4 | 278 | 11500 | 42800 | 29 | 3600 | 1.45 |
| 21 | 5000 | 1.05 | 70.23 | BK70-../DPE16LB4 | 278 | 12500 | 44800 | 25.5 | 4100 | 1.25 |
| 18.5 | 5600 | 0.93 | 79.89 | BK70-../DPE16LB4 | 278 | 14300 | 47600 | 22.5 | 4650 | 1.1 |
| 16.5 | 6300 | 0.83 | 90.96 | BK70-../DPE16LB4 | 278 | 15300 | 49900 | 19.5 | 5300 | 0.98 |
| 43 | 2400 | 3.3 | 34.22 | BK80-../DPE16LB4 | 388 | 12600 | 55400 | 52 | 2000 | 3.9 |
| 35.5 | 2950 | 2.8 | 41.78 | BK80-../DPE16LB4 | 388 | 13500 | 58700 | 42.5 | 2450 | 3.4 |
| 31.5 | 3300 | 2.6 | 46.80 | BK80-../DPE16LB4 | 388 | 14300 | 60900 | 38 | 2750 | 3.1 |
| 28 | 3750 | 2.4 | 53.21 | BK80-../DPE16LB4 | 388 | 14800 | 63100 | 33.5 | 3100 | 2.9 |
| 25 | 4200 | 2.2 | 59.60 | BK80-../DPE16LB4 | 388 | 15700 | 65500 | 30 | 3500 | 2.6 |
| 21 | 5000 | 1.95 | 70.72 | BK80-../DPE16LB4 | 388 | 16600 | 68700 | 25.5 | 4100 | 2.3 |
| 19 | 5500 | 1.85 | 79.22 | BK80-../DPE16LB4 | 388 | 17600 | 71300 | 22.5 | 4650 | 2.2 |
| 16.5 | 6300 | 1.65 | 91.53 | BK80-../DPE16LB4 | 388 | 18300 | 74200 | 19.5 | 5300 | 1.95 |
| 14.5 | 7200 | 1.45 | 102.5 | BK80-../DPE16LB4 | 388 | 20500 | 75000 | 17.5 | 6000 | 1.75 |
| 13 | 8000 | 1.3 | 117.5 | BK80-../DPE16LB4 | 388 | 22300 | 75000 | 15.5 | 6700 | 1.55 |
| 11.5 | 9100 | 1.15 | 131.6 | BK80-../DPE16LB4 | 388 | 24900 | 75000 | 13.5 | 7700 | 1.35 |
| 9.7 | 10800 | 0.97 | 153.1 | BK80-../DPE16LB4 | 388 | 27200 | 75000 | 12 | 8700 | 1.2 |
| 8.6 | 12200 | 0.86 | 171.5 | BK80-../DPE16LB4 | 388 | 30000 | 75000 | 10.5 | 10000 | 1.05 |
| 8.3 | 12600 | 0.91 | 177.6 | BK80Z-../DPE16LB4 | 431 | 30000 | 75000 | 10 | 10500 | 1.1 |
| 7.4 | 14100 | 0.82 | 198.9 | BK80Z-../DPE16LB4 | 431 | 30000 | 75000 | 8.9 | 11800 | 0.97 |
| 19 | 5500 | 3.1 | 77.51 | BK90-../DPE16LB4 | 641 | 30300 | 94400 | 23 | 4550 | 3.7 |
| 16.5 | 6300 | 2.7 | 91.19 | BK90-../DPE16LB4 | 641 | 33300 | 101000 | 19.5 | 5300 | 3.2 |
| 14.5 | 7200 | 2.3 | 102.0 | BK90-../DPE16LB4 | 641 | 36600 | 107000 | 17.5 | 6000 | 2.8 |
| 13 | 8000 | 2.1 | 117.0 | BK90-../DPE16LB4 | 641 | 39200 | 113000 | 15.5 | 6700 | 2.5 |
| 11.5 | 9100 | 1.85 | 130.9 | BK90-../DPE16LB4 | 641 | 42700 | 119400 | 14 | 7500 | 2.2 |
| 9.9 | 10600 | 1.6 | 149.5 | BK90-../DPE16LB4 | 641 | 45600 | 120000 | 12 | 8700 | 1.95 |
| 8.8 | 11900 | 1.4 | 167.2 | BK90-../DPE16LB4 | 641 | 49400 | 120000 | 11 | 9500 | 1.75 |
| 8.5 | 12300 | 1.5 | 174.7 | BK90Z-../DPE16LB4 | 700 | 49400 | 120000 | 10.5 | 10000 | 1.85 |
| 7.6 | 13800 | 1.35 | 195.4 | BK90Z-../DPE16LB4 | 700 | 49400 | 120000 | 9.1 | 11500 | 1.6 |
| 6.3 | 16600 | 1.1 | 234.6 | BK90Z-../DPE16LB4 | 700 | 49400 | 120000 | 7.6 | 13800 | 1.35 |
| 5.6 | 18700 | 0.99 | 262.5 | BK90Z-../DPE16LB4 | 700 | 49400 | 120000 | 6.8 | 15400 | 1.2 |
| 5.0 | 21000 | 0.88 | 295.6 | BK90Z-../DPE16LB4 | 700 | 49400 | 120000 | 6.0 | 17500 | 1.05 |

P = 15 kW

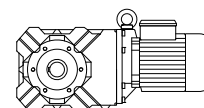
| 50 Hz | | | i | Type | m | F _{RN} | F _{RV} | 60 Hz | | |
|-------------------------|----------------------|----------------|-------|------------------|-----|-----------------|-----------------|-------------------------|----------------------|----------------|
| n ₂ 1/min | M ₂ Nm | f _B | | | | | | n ₂ 1/min | M ₂ Nm | f _B |
| 405 | 325 | 2.2 | 3.67 | BK50-../DPE16XB4 | 193 | 115 | 9400 | 485 | 270 | 2.7 |
| 280 | 470 | 1.75 | 5.26 | BK50-../DPE16XB4 | 193 | 130 | 10700 | 340 | 385 | 2.1 |
| 205 | 640 | 1.25 | 7.29 | BK50-../DPE16XB4 | 193 | 620 | 111000 | 245 | 530 | 1.55 |
| 152 | 840 | 1.1 | 9.73 | BK50-../DPE16XB4 | 193 | 5400 | 15400 | 182 | 700 | 1.35 |
| 147 | 890 | 0.91 | 10.00 | BK50-../DPE16XB4 | 193 | 1220 | 13200 | 177 | 740 | 1.1 |
| 106 | 1210 | 0.87 | 13.95 | BK50-../DPE16XB4 | 193 | 6100 | 17400 | 127 | 1010 | 1.05 |
| 97 | 1320 | 0.8 | 15.19 | BK50-../DPE16XB4 | 193 | 6300 | 18000 | 117 | 1100 | 0.95 |
| 205 | 690 | 2.1 | 7.29 | BK60-../DPE16XB4 | 205 | 2800 | 14900 | 245 | 580 | 2.5 |
| 136 | 1050 | 1.6 | 10.82 | BK60-../DPE16XB4 | 205 | 3200 | 17000 | 164 | 870 | 1.95 |
| 119 | 1200 | 1.55 | 12.38 | BK60-../DPE16XB4 | 205 | 3500 | 17400 | 143 | 1000 | 1.9 |
| 107 | 1330 | 1.5 | 13.85 | BK60-../DPE16XB4 | 205 | 3850 | 18000 | 128 | 1110 | 1.8 |
| 103 | 1390 | 1.4 | 14.41 | BK60-../DPE16XB4 | 205 | 3650 | 18600 | 123 | 1160 | 1.65 |

The torques marked (*) are maximum permissible torques for service factor f_B=1,0.

BK-series bevel geared motors

Selection - bevel geared motors

P = 15 kW



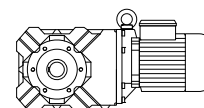
| 50 Hz | | | i | Type | m | F _{RN} | F _{RV} | 60 Hz | | |
|-------------------------|----------------------|----------------|-------|-------------------|-----|-----------------|-----------------|-------------------------|----------------------|----------------|
| n ₂ 1/min | M ₂ Nm | f _B | | | | | | n ₂ 1/min | M ₂ Nm | f _B |
| 92 | 1550 | 1.25 | 16.05 | BK60-../DPE16XB4 | 205 | 4050 | 18800 | 111 | 1290 | 1.55 |
| 81 | 1760 | 1.25 | 18.36 | BK60-../DPE16XB4 | 205 | 4000 | 19900 | 97 | 1470 | 1.5 |
| 72 | 1980 | 1.15 | 20.54 | BK60-../DPE16XB4 | 205 | 4400 | 20600 | 87 | 1640 | 1.35 |
| 61 | 2300 | 1.0 | 24.45 | BK60-../DPE16XB4 | 205 | 4850 | 22000 | 73 | 1960 | 1.15 |
| 54 | 2650 | 0.87 | 27.36 | BK60-../DPE16XB4 | 205 | 5600 | 23200 | 65 | 2200 | 1.05 |
| 108 | 1320 | 2.3 | 13.70 | BK70-../DPE16XB4 | 288 | 5400 | 24800 | 130 | 1100 | 2.8 |
| 97 | 1470 | 2.1 | 15.16 | BK70-../DPE16XB4 | 288 | 5600 | 25800 | 117 | 1220 | 2.5 |
| 86 | 1660 | 2.1 | 17.24 | BK70-../DPE16XB4 | 288 | 6500 | 29200 | 103 | 1390 | 2.5 |
| 68 | 2100 | 1.95 | 21.88 | BK70-../DPE16XB4 | 288 | 6500 | 30200 | 81 | 1760 | 2.3 |
| 60 | 2350 | 1.8 | 24.89 | BK70-../DPE16XB4 | 288 | 7000 | 31500 | 72 | 1980 | 2.2 |
| 48 | 2950 | 1.55 | 30.90 | BK70-../DPE16XB4 | 288 | 7500 | 33600 | 58 | 2450 | 1.85 |
| 42 | 3400 | 1.4 | 35.15 | BK70-../DPE16XB4 | 288 | 8000 | 35000 | 51 | 2800 | 1.7 |
| 37 | 3850 | 1.25 | 40.08 | BK70-../DPE16XB4 | 288 | 8300 | 36300 | 44.5 | 3200 | 1.5 |
| 32.5 | 4400 | 1.15 | 45.59 | BK70-../DPE16XB4 | 288 | 9000 | 37900 | 39 | 3650 | 1.4 |
| 27.5 | 5200 | 1.0 | 54.15 | BK70-../DPE16XB4 | 288 | 9900 | 40200 | 33 | 4300 | 1.2 |
| 24 | 5900 | 0.88 | 61.60 | BK70-../DPE16XB4 | 288 | 11500 | 42800 | 29 | 4900 | 1.05 |
| 48.5 | 2950 | 2.5 | 30.56 | BK80-../DPE16XB4 | 398 | 11900 | 53400 | 58 | 2450 | 3.1 |
| 43 | 3300 | 2.4 | 34.22 | BK80-../DPE16XB4 | 398 | 12600 | 55400 | 52 | 2750 | 2.8 |
| 35.5 | 4000 | 2.1 | 41.78 | BK80-../DPE16XB4 | 398 | 13500 | 58700 | 42.5 | 3350 | 2.5 |
| 31.5 | 4500 | 1.9 | 46.80 | BK80-../DPE16XB4 | 398 | 14300 | 60900 | 38 | 3750 | 2.3 |
| 28 | 5100 | 1.75 | 53.21 | BK80-../DPE16XB4 | 398 | 14800 | 63100 | 33.5 | 4250 | 2.1 |
| 25 | 5700 | 1.6 | 59.60 | BK80-../DPE16XB4 | 398 | 15700 | 65500 | 30 | 4750 | 1.95 |
| 21 | 6800 | 1.4 | 70.72 | BK80-../DPE16XB4 | 398 | 16600 | 68700 | 25.5 | 5600 | 1.7 |
| 19 | 7500 | 1.35 | 79.22 | BK80-../DPE16XB4 | 398 | 17600 | 71300 | 22.5 | 6300 | 1.6 |
| 16.5 | 8600 | 1.2 | 91.53 | BK80-../DPE16XB4 | 398 | 18300 | 74200 | 19.5 | 7300 | 1.4 |
| 14.5 | 9800 | 1.05 | 102.5 | BK80-../DPE16XB4 | 398 | 20500 | 75000 | 17.5 | 8100 | 1.3 |
| 13 | 11000 | 0.95 | 117.5 | BK80-../DPE16XB4 | 398 | 22300 | 75000 | 15.5 | 9200 | 1.15 |
| 11.5 | 12400 | 0.85 | 131.6 | BK80-../DPE16XB4 | 398 | 24900 | 75000 | 13.5 | 10600 | 0.99 |
| 27 | 5300 | 3.0 | 54.98 | BK90-../DPE16XB4 | 651 | 24000 | 81000 | 32.5 | 4400 | 3.7 |
| 24 | 5900 | 2.8 | 61.52 | BK90-../DPE16XB4 | 651 | 25500 | 84600 | 29 | 4900 | 3.4 |
| 21.5 | 6600 | 2.5 | 69.27 | BK90-../DPE16XB4 | 651 | 27200 | 88900 | 26 | 5500 | 3.1 |
| 19 | 7500 | 2.2 | 77.51 | BK90-../DPE16XB4 | 651 | 30300 | 94400 | 23 | 6200 | 2.7 |
| 16.5 | 8600 | 1.95 | 91.19 | BK90-../DPE16XB4 | 651 | 33300 | 101000 | 19.5 | 7300 | 2.3 |
| 14.5 | 9800 | 1.7 | 102.0 | BK90-../DPE16XB4 | 651 | 36600 | 107000 | 17.5 | 8100 | 2.1 |
| 13 | 11000 | 1.55 | 117.0 | BK90-../DPE16XB4 | 651 | 39200 | 113000 | 15.5 | 9200 | 1.85 |
| 11.5 | 12400 | 1.35 | 130.9 | BK90-../DPE16XB4 | 651 | 42700 | 119400 | 14 | 10200 | 1.65 |
| 9.9 | 14400 | 1.15 | 149.5 | BK90-../DPE16XB4 | 651 | 45600 | 120000 | 12 | 11900 | 1.4 |
| 8.8 | 16200 | 1.05 | 167.2 | BK90-../DPE16XB4 | 651 | 49400 | 120000 | 11 | 13000 | 1.3 |
| 8.5 | 16800 | 1.1 | 174.7 | BK90Z-../DPE16XB4 | 710 | 49400 | 120000 | 10.5 | 13600 | 1.35 |
| 7.6 | 18800 | 0.98 | 195.4 | BK90Z-../DPE16XB4 | 710 | 49400 | 120000 | 9.1 | 15700 | 1.2 |
| 6.3 | 22700 | 0.81 | 234.6 | BK90Z-../DPE16XB4 | 710 | 49400 | 120000 | 7.6 | 18800 | 0.98 |

P = 18.5 kW

| 50 Hz | | | i | Type | m | F _{RN} | F _{RV} | 60 Hz | | |
|-------------------------|----------------------|----------------|-------|------------------|-----|-----------------|-----------------|-------------------------|----------------------|----------------|
| n ₂ 1/min | M ₂ Nm | f _B | | | | | | n ₂ 1/min | M ₂ Nm | f _B |
| 405 | 400 | 1.8 | 3.67 | BK50-../DPE18LB4 | 245 | 115 | 9400 | 485 | 335 | 2.1 |
| 280 | 580 | 1.4 | 5.26 | BK50-../DPE18LB4 | 245 | 130 | 10700 | 340 | 475 | 1.7 |
| 205 | 790 | 1.05 | 7.29 | BK50-../DPE18LB4 | 245 | 620 | 111000 | 245 | 660 | 1.25 |
| 205 | 860 | 1.7 | 7.29 | BK60-../DPE18LB4 | 252 | 2800 | 14900 | 245 | 720 | 2.0 |
| 136 | 1290 | 1.3 | 10.82 | BK60-../DPE18LB4 | 252 | 3200 | 17000 | 164 | 1070 | 1.55 |

The torques marked (*) are maximum permissible torques for service factor f_B=1,0.

P = 18.5 kW



| 50 Hz | | | i | Type | m | F _{RN} | F _{RV} | 60 Hz | | |
|-------------------------|----------------------|----------------|-------|-------------------|-----|-----------------|-----------------|-------------------------|----------------------|----------------|
| n ₂ 1/min | M ₂ Nm | f _B | | | | | | n ₂ 1/min | M ₂ Nm | f _B |
| 103 | 1710 | 1.15 | 14.41 | BK60-../DPE18LB4 | 252 | 3650 | 18600 | 123 | 1430 | 1.35 |
| 81 | 2150 | 1.0 | 18.36 | BK60-../DPE18LB4 | 252 | 4000 | 19900 | 97 | 1820 | 1.2 |
| 72 | 2450 | 0.92 | 20.54 | BK60-../DPE18LB4 | 252 | 4400 | 20600 | 87 | 2000 | 1.15 |
| 61 | 2850 | 0.81 | 24.45 | BK60-../DPE18LB4 | 252 | 4850 | 22000 | 73 | 2400 | 0.96 |
| 97 | 1820 | 1.7 | 15.16 | BK70-../DPE18LB4 | 329 | 5600 | 25800 | 117 | 1510 | 2.0 |
| 86 | 2050 | 1.7 | 17.24 | BK70-../DPE18LB4 | 329 | 6500 | 29200 | 103 | 1710 | 2.0 |
| 68 | 2550 | 1.6 | 21.88 | BK70-../DPE18LB4 | 329 | 6500 | 30200 | 81 | 2150 | 1.9 |
| 60 | 2900 | 1.45 | 24.89 | BK70-../DPE18LB4 | 329 | 7000 | 31500 | 72 | 2450 | 1.75 |
| 48 | 3650 | 1.25 | 30.90 | BK70-../DPE18LB4 | 329 | 7500 | 33600 | 58 | 3000 | 1.5 |
| 42 | 4200 | 1.15 | 35.15 | BK70-../DPE18LB4 | 329 | 8000 | 35000 | 51 | 3450 | 1.35 |
| 37 | 4750 | 1.05 | 40.08 | BK70-../DPE18LB4 | 329 | 8300 | 36300 | 44.5 | 3950 | 1.25 |
| 32.5 | 5400 | 0.95 | 45.59 | BK70-../DPE18LB4 | 329 | 9000 | 37900 | 39 | 4500 | 1.15 |
| 27.5 | 6400 | 0.81 | 54.15 | BK70-../DPE18LB4 | 329 | 9900 | 40200 | 33 | 5300 | 0.98 |
| 103 | 1710 | 2.5 | 14.34 | BK80-../DPE18LB4 | 443 | 7900 | 36200 | 124 | 1420 | 3.0 |
| 93 | 1890 | 2.5 | 15.88 | BK80-../DPE18LB4 | 443 | 8400 | 38600 | 112 | 1570 | 3.0 |
| 83 | 2100 | 2.5 | 17.79 | BK80-../DPE18LB4 | 443 | 9400 | 42100 | 100 | 1760 | 3.0 |
| 76 | 2300 | 2.5 | 19.35 | BK80-../DPE18LB4 | 443 | 9500 | 44000 | 92 | 1920 | 3.0 |
| 67 | 2600 | 2.6 | 22.19 | BK80-../DPE18LB4 | 443 | 10500 | 48500 | 80 | 2200 | 3.1 |
| 60 | 2900 | 2.4 | 24.85 | BK80-../DPE18LB4 | 443 | 11200 | 50400 | 72 | 2450 | 2.9 |
| 48.5 | 3600 | 2.1 | 30.56 | BK80-../DPE18LB4 | 443 | 11900 | 53400 | 58 | 3000 | 2.5 |
| 43 | 4100 | 1.9 | 34.22 | BK80-../DPE18LB4 | 443 | 12600 | 55400 | 52 | 3350 | 2.3 |
| 35.5 | 4950 | 1.65 | 41.78 | BK80-../DPE18LB4 | 443 | 13500 | 58700 | 42.5 | 4150 | 2.0 |
| 31.5 | 5600 | 1.55 | 46.80 | BK80-../DPE18LB4 | 443 | 14300 | 60900 | 38 | 4600 | 1.85 |
| 28 | 6300 | 1.4 | 53.21 | BK80-../DPE18LB4 | 443 | 14800 | 63100 | 33.5 | 5200 | 1.7 |
| 25 | 7000 | 1.3 | 59.60 | BK80-../DPE18LB4 | 443 | 15700 | 65500 | 30 | 5800 | 1.6 |
| 21 | 8400 | 1.15 | 70.72 | BK80-../DPE18LB4 | 443 | 16600 | 68700 | 25.5 | 6900 | 1.4 |
| 19 | 9200 | 1.1 | 79.22 | BK80-../DPE18LB4 | 443 | 17600 | 71300 | 22.5 | 7800 | 1.3 |
| 16.5 | 10700 | 0.97 | 91.53 | BK80-../DPE18LB4 | 443 | 18300 | 74200 | 19.5 | 9000 | 1.15 |
| 14.5 | 12100 | 0.87 | 102.5 | BK80-../DPE18LB4 | 443 | 20500 | 75000 | 17.5 | 10000 | 1.05 |
| 36 | 4900 | 3.0 | 40.94 | BK90-../DPE18LB4 | 698 | 21400 | 73100 | 43.5 | 4050 | 3.7 |
| 32.5 | 5400 | 2.9 | 45.80 | BK90-../DPE18LB4 | 698 | 22700 | 76300 | 39 | 4500 | 3.4 |
| 27 | 6500 | 2.5 | 54.98 | BK90-../DPE18LB4 | 698 | 24000 | 81000 | 32.5 | 5400 | 3.0 |
| 24 | 7300 | 2.3 | 61.52 | BK90-../DPE18LB4 | 698 | 25500 | 84600 | 29 | 6000 | 2.8 |
| 21.5 | 8200 | 2.0 | 69.27 | BK90-../DPE18LB4 | 698 | 27200 | 88900 | 26 | 6700 | 2.5 |
| 19 | 9200 | 1.85 | 77.51 | BK90-../DPE18LB4 | 698 | 30300 | 94400 | 23 | 7600 | 2.2 |
| 16.5 | 10700 | 1.55 | 91.19 | BK90-../DPE18LB4 | 698 | 33300 | 101000 | 19.5 | 9000 | 1.85 |
| 14.5 | 12100 | 1.4 | 102.0 | BK90-../DPE18LB4 | 698 | 36600 | 107000 | 17.5 | 10000 | 1.7 |
| 13 | 13500 | 1.25 | 117.0 | BK90-../DPE18LB4 | 698 | 39200 | 113000 | 15.5 | 11300 | 1.5 |
| 11.5 | 15300 | 1.1 | 130.9 | BK90-../DPE18LB4 | 698 | 42700 | 119400 | 14 | 12600 | 1.35 |
| 9.9 | 17800 | 0.94 | 149.5 | BK90-../DPE18LB4 | 698 | 45600 | 120000 | 12 | 14700 | 1.15 |
| 8.8 | 20000 | 0.84 | 167.2 | BK90-../DPE18LB4 | 698 | 49400 | 120000 | 11 | 16000 | 1.05 |
| 8.5 | 20700 | 0.89 | 174.7 | BK90Z-../DPE18LB4 | 751 | 49400 | 120000 | 10.5 | 16800 | 1.1 |
| 7.6 | 23200 | 0.8 | 195.4 | BK90Z-../DPE18LB4 | 751 | 49400 | 120000 | 9.1 | 19400 | 0.95 |

P = 22 kW

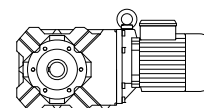
| 50 Hz | | | i | Type | m | F _{RN} | F _{RV} | 60 Hz | | |
|-------------------------|----------------------|----------------|-------|------------------|-----|-----------------|-----------------|-------------------------|----------------------|----------------|
| n ₂ 1/min | M ₂ Nm | f _B | | | | | | n ₂ 1/min | M ₂ Nm | f _B |
| 97 | 2150 | 1.4 | 15.16 | BK70-../DPE18XB4 | 347 | 5600 | 25800 | 117 | 1790 | 1.7 |
| 86 | 2400 | 1.45 | 17.24 | BK70-../DPE18XB4 | 347 | 6500 | 29200 | 103 | 2000 | 1.75 |
| 68 | 3050 | 1.35 | 21.88 | BK70-../DPE18XB4 | 347 | 6500 | 30200 | 81 | 2550 | 1.6 |
| 60 | 3500 | 1.2 | 24.89 | BK70-../DPE18XB4 | 347 | 7000 | 31500 | 72 | 2900 | 1.45 |

The torques marked (*) are maximum permissible torques for service factor f_B=1,0.

BK-series bevel geared motors

Selection - bevel geared motors

P = 22 kW



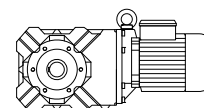
| 50 Hz | | | i | Type | m | F _{RN} | F _{RV} | 60 Hz | | |
|-------------------------|----------------------|----------------|-------|------------------|-----|-----------------|-----------------|-------------------------|----------------------|----------------|
| n ₂ 1/min | M ₂ Nm | f _B | | | | | | n ₂ 1/min | M ₂ Nm | f _B |
| 48 | 4350 | 1.05 | 30.90 | BK70-../DPE18XB4 | 347 | 7500 | 33600 | 58 | 3600 | 1.25 |
| 42 | 5000 | 0.95 | 35.15 | BK70-../DPE18XB4 | 347 | 8000 | 35000 | 51 | 4100 | 1.15 |
| 37 | 5600 | 0.87 | 40.08 | BK70-../DPE18XB4 | 347 | 8300 | 36300 | 44.5 | 4700 | 1.05 |
| 32.5 | 6400 | 0.8 | 45.59 | BK70-../DPE18XB4 | 347 | 9000 | 37900 | 39 | 5300 | 0.97 |
| 103 | 2000 | 2.1 | 14.34 | BK80-../DPE18XB4 | 461 | 7900 | 36200 | 124 | 1690 | 2.5 |
| 93 | 2250 | 2.1 | 15.88 | BK80-../DPE18XB4 | 461 | 8400 | 38600 | 112 | 1870 | 2.6 |
| 83 | 2500 | 2.1 | 17.79 | BK80-../DPE18XB4 | 461 | 9400 | 42100 | 100 | 2100 | 2.5 |
| 76 | 2750 | 2.1 | 19.35 | BK80-../DPE18XB4 | 461 | 9500 | 44000 | 92 | 2250 | 2.6 |
| 67 | 3100 | 2.2 | 22.19 | BK80-../DPE18XB4 | 461 | 10500 | 48500 | 80 | 2600 | 2.6 |
| 60 | 3500 | 2.0 | 24.85 | BK80-../DPE18XB4 | 461 | 11200 | 50400 | 72 | 2900 | 2.4 |
| 48.5 | 4300 | 1.75 | 30.56 | BK80-../DPE18XB4 | 461 | 11900 | 53400 | 58 | 3600 | 2.1 |
| 43 | 4850 | 1.6 | 34.22 | BK80-../DPE18XB4 | 461 | 12600 | 55400 | 52 | 4000 | 1.95 |
| 35.5 | 5900 | 1.4 | 41.78 | BK80-../DPE18XB4 | 461 | 13500 | 58700 | 42.5 | 4900 | 1.7 |
| 31.5 | 6600 | 1.3 | 46.80 | BK80-../DPE18XB4 | 461 | 14300 | 60900 | 38 | 5500 | 1.55 |
| 28 | 7500 | 1.2 | 53.21 | BK80-../DPE18XB4 | 461 | 14800 | 63100 | 33.5 | 6200 | 1.45 |
| 25 | 8400 | 1.1 | 59.60 | BK80-../DPE18XB4 | 461 | 15700 | 65500 | 30 | 7000 | 1.3 |
| 21 | 10000 | 0.96 | 70.72 | BK80-../DPE18XB4 | 461 | 16600 | 68700 | 25.5 | 8200 | 1.15 |
| 19 | 11000 | 0.91 | 79.22 | BK80-../DPE18XB4 | 461 | 17600 | 71300 | 22.5 | 9300 | 1.1 |
| 16.5 | 12700 | 0.82 | 91.53 | BK80-../DPE18XB4 | 461 | 18300 | 74200 | 19.5 | 10700 | 0.97 |
| 48.5 | 4300 | 3.1 | 30.47 | BK90-../DPE18XB4 | 716 | 19100 | 65900 | 59 | 3550 | 3.8 |
| 43.5 | 4800 | 2.9 | 34.09 | BK90-../DPE18XB4 | 716 | 20300 | 68800 | 52 | 4000 | 3.5 |
| 36 | 5800 | 2.5 | 40.94 | BK90-../DPE18XB4 | 716 | 21400 | 73100 | 43.5 | 4800 | 3.1 |
| 32.5 | 6400 | 2.4 | 45.80 | BK90-../DPE18XB4 | 716 | 22700 | 76300 | 39 | 5300 | 2.9 |
| 27 | 7700 | 2.1 | 54.98 | BK90-../DPE18XB4 | 716 | 24000 | 81000 | 32.5 | 6400 | 2.5 |
| 24 | 8700 | 1.95 | 61.52 | BK90-../DPE18XB4 | 716 | 25500 | 84600 | 29 | 7200 | 2.3 |
| 21.5 | 9700 | 1.75 | 69.27 | BK90-../DPE18XB4 | 716 | 27200 | 88900 | 26 | 8000 | 2.1 |
| 19 | 11000 | 1.55 | 77.51 | BK90-../DPE18XB4 | 716 | 30300 | 94400 | 23 | 9100 | 1.85 |
| 16.5 | 12700 | 1.3 | 91.19 | BK90-../DPE18XB4 | 716 | 33300 | 101000 | 19.5 | 10700 | 1.55 |
| 14.5 | 14400 | 1.15 | 102.0 | BK90-../DPE18XB4 | 716 | 36600 | 107000 | 17.5 | 12000 | 1.4 |
| 13 | 16100 | 1.05 | 117.0 | BK90-../DPE18XB4 | 716 | 39200 | 113000 | 15.5 | 13500 | 1.25 |
| 11.5 | 18200 | 0.92 | 130.9 | BK90-../DPE18XB4 | 716 | 42700 | 119400 | 14 | 15000 | 1.1 |

P = 30 kW

| 50 Hz | | | i | Type | m | F _{RN} | F _{RV} | 60 Hz | | |
|-------------------------|----------------------|----------------|-------|------------------|-----|-----------------|-----------------|-------------------------|----------------------|----------------|
| n ₂ 1/min | M ₂ Nm | f _B | | | | | | n ₂ 1/min | M ₂ Nm | f _B |
| 98 | 2900 | 1.05 | 15.16 | BK70-../DPE20LA4 | 502 | 5600 | 25800 | 119 | 2400 | 1.25 |
| 86 | 3300 | 1.05 | 17.24 | BK70-../DPE20LA4 | 502 | 6500 | 29200 | 104 | 2750 | 1.25 |
| 68 | 4200 | 0.97 | 21.88 | BK70-../DPE20LA4 | 502 | 6500 | 30200 | 82 | 3450 | 1.2 |
| 60 | 4750 | 0.9 | 24.89 | BK70-../DPE20LA4 | 502 | 7000 | 31500 | 72 | 3950 | 1.1 |
| 104 | 2750 | 1.55 | 14.34 | BK80-../DPE20LA4 | 614 | 7900 | 36200 | 125 | 2250 | 1.9 |
| 94 | 3000 | 1.6 | 15.88 | BK80-../DPE20LA4 | 614 | 8400 | 38600 | 113 | 2500 | 1.9 |
| 84 | 3400 | 1.55 | 17.79 | BK80-../DPE20LA4 | 614 | 9400 | 42100 | 101 | 2800 | 1.9 |
| 77 | 3700 | 1.55 | 19.35 | BK80-../DPE20LA4 | 614 | 9500 | 44000 | 93 | 3050 | 1.9 |
| 67 | 4250 | 1.6 | 22.19 | BK80-../DPE20LA4 | 614 | 10500 | 48500 | 81 | 3500 | 1.95 |
| 60 | 4750 | 1.5 | 24.85 | BK80-../DPE20LA4 | 614 | 11200 | 50400 | 73 | 3900 | 1.8 |
| 48.5 | 5900 | 1.25 | 30.56 | BK80-../DPE20LA4 | 614 | 11900 | 53400 | 59 | 4850 | 1.55 |
| 43.5 | 6500 | 1.2 | 34.22 | BK80-../DPE20LA4 | 614 | 12600 | 55400 | 53 | 5400 | 1.45 |
| 35.5 | 8000 | 1.05 | 41.78 | BK80-../DPE20LA4 | 614 | 13500 | 58700 | 43 | 6600 | 1.25 |
| 32 | 8900 | 0.96 | 46.80 | BK80-../DPE20LA4 | 614 | 14300 | 60900 | 38.5 | 7400 | 1.15 |
| 28 | 10200 | 0.87 | 53.21 | BK80-../DPE20LA4 | 614 | 14800 | 63100 | 34 | 8400 | 1.05 |
| 25 | 11400 | 0.81 | 59.60 | BK80-../DPE20LA4 | 614 | 15700 | 65500 | 30.5 | 9300 | 0.99 |

The torques marked (*) are maximum permissible torques for service factor f_B=1,0.

P = 30 kW



| 50 Hz | | | i | Type | m | F _{RN} | F _{RV} | 60 Hz | | |
|-------------------------|----------------------|----------------|-------|------------------|-----|-----------------|-----------------|-------------------------|----------------------|----------------|
| n ₂ 1/min | M ₂ Nm | f _B | | | | | | n ₂ 1/min | M ₂ Nm | f _B |
| 92 | 3100 | 3.3 | 16.21 | BK90-../DPE20LA4 | 869 | 15400 | 52400 | 111 | 2550 | 4.0 |
| 82 | 3450 | 3.3 | 18.07 | BK90-../DPE20LA4 | 869 | 15600 | 54400 | 100 | 2850 | 4.0 |
| 74 | 3850 | 3.1 | 20.21 | BK90-../DPE20LA4 | 869 | 16600 | 56700 | 89 | 3200 | 3.8 |
| 67 | 4250 | 2.9 | 22.29 | BK90-../DPE20LA4 | 869 | 16900 | 59100 | 81 | 3500 | 3.5 |
| 60 | 4750 | 2.7 | 24.94 | BK90-../DPE20LA4 | 869 | 18000 | 61700 | 72 | 3950 | 3.3 |
| 49 | 5800 | 2.3 | 30.47 | BK90-../DPE20LA4 | 869 | 19100 | 65900 | 59 | 4850 | 2.8 |
| 43.5 | 6500 | 2.2 | 34.09 | BK90-../DPE20LA4 | 869 | 20300 | 68800 | 53 | 5400 | 2.6 |
| 36.5 | 7800 | 1.9 | 40.94 | BK90-../DPE20LA4 | 869 | 21400 | 73100 | 44 | 6500 | 2.3 |
| 32.5 | 8800 | 1.75 | 45.80 | BK90-../DPE20LA4 | 869 | 22700 | 76300 | 39.5 | 7200 | 2.1 |
| 27 | 10600 | 1.5 | 54.98 | BK90-../DPE20LA4 | 869 | 24000 | 81000 | 33 | 8600 | 1.9 |
| 24.5 | 11600 | 1.45 | 61.52 | BK90-../DPE20LA4 | 869 | 25500 | 84600 | 29.5 | 9700 | 1.75 |
| 21.5 | 13300 | 1.25 | 69.27 | BK90-../DPE20LA4 | 869 | 27200 | 88900 | 26 | 11000 | 1.55 |
| 19.5 | 14600 | 1.15 | 77.51 | BK90-../DPE20LA4 | 869 | 30300 | 94400 | 23.5 | 12100 | 1.4 |
| 16.5 | 17300 | 0.97 | 91.19 | BK90-../DPE20LA4 | 869 | 33300 | 101000 | 20 | 14300 | 1.15 |
| 15 | 19100 | 0.88 | 102.0 | BK90-../DPE20LA4 | 869 | 36600 | 107000 | 18 | 15900 | 1.05 |

P = 37 kW

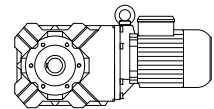
| 50 Hz | | | i | Type | m | F _{RN} | F _{RV} | 60 Hz | | |
|-------------------------|----------------------|----------------|-------|------------------|-----|-----------------|-----------------|-------------------------|----------------------|----------------|
| n ₂ 1/min | M ₂ Nm | f _B | | | | | | n ₂ 1/min | M ₂ Nm | f _B |
| 104 | 3350 | 1.3 | 14.34 | BK80-../DPE22SA4 | 613 | 7900 | 36200 | 125 | 2800 | 1.55 |
| 94 | 3750 | 1.3 | 15.88 | BK80-../DPE22SA4 | 613 | 8400 | 38600 | 113 | 3100 | 1.55 |
| 84 | 4200 | 1.25 | 17.79 | BK80-../DPE22SA4 | 613 | 9400 | 42100 | 101 | 3450 | 1.5 |
| 77 | 4550 | 1.25 | 19.35 | BK80-../DPE22SA4 | 613 | 9500 | 44000 | 93 | 3750 | 1.55 |
| 67 | 5200 | 1.3 | 22.19 | BK80-../DPE22SA4 | 613 | 10500 | 48500 | 81 | 4350 | 1.55 |
| 60 | 5800 | 1.2 | 24.85 | BK80-../DPE22SA4 | 613 | 11200 | 50400 | 73 | 4800 | 1.5 |
| 48.5 | 7200 | 1.05 | 30.56 | BK80-../DPE22SA4 | 613 | 11900 | 53400 | 59 | 5900 | 1.25 |
| 103 | 3400 | 2.7 | 14.49 | BK90-../DPE22SA4 | 868 | 14500 | 50400 | 124 | 2800 | 3.3 |
| 92 | 3800 | 2.7 | 16.21 | BK90-../DPE22SA4 | 868 | 15400 | 52400 | 111 | 3150 | 3.3 |
| 82 | 4300 | 2.7 | 18.07 | BK90-../DPE22SA4 | 868 | 15600 | 54400 | 100 | 3500 | 3.3 |
| 74 | 4750 | 2.5 | 20.21 | BK90-../DPE22SA4 | 868 | 16600 | 56700 | 89 | 3950 | 3.0 |
| 67 | 5200 | 2.4 | 22.29 | BK90-../DPE22SA4 | 868 | 16900 | 59100 | 81 | 4350 | 2.8 |
| 60 | 5800 | 2.2 | 24.94 | BK90-../DPE22SA4 | 868 | 18000 | 61700 | 72 | 4900 | 2.6 |
| 49 | 7200 | 1.9 | 30.47 | BK90-../DPE22SA4 | 868 | 19100 | 65900 | 59 | 5900 | 2.3 |
| 43.5 | 8100 | 1.75 | 34.09 | BK90-../DPE22SA4 | 868 | 20300 | 68800 | 53 | 6600 | 2.1 |
| 36.5 | 9600 | 1.55 | 40.94 | BK90-../DPE22SA4 | 868 | 21400 | 73100 | 44 | 8000 | 1.85 |
| 32.5 | 10800 | 1.45 | 45.80 | BK90-../DPE22SA4 | 868 | 22700 | 76300 | 39.5 | 8900 | 1.75 |
| 27 | 13000 | 1.25 | 54.98 | BK90-../DPE22SA4 | 868 | 24000 | 81000 | 33 | 10700 | 1.5 |
| 24.5 | 14400 | 1.15 | 61.52 | BK90-../DPE22SA4 | 868 | 25500 | 84600 | 29.5 | 11900 | 1.4 |
| 21.5 | 16400 | 1.0 | 69.27 | BK90-../DPE22SA4 | 868 | 27200 | 88900 | 26 | 13500 | 1.25 |

The torques marked (*) are maximum permissible torques for service factor f_B=1,0.

BK-series bevel geared motors

Selection - bevel geared motors

P = 45 kW



| 50 Hz | | | i | Type | m | F _{RN} | F _{RV} | 60 Hz | | |
|-------------------------|----------------------|----------------|-------|------------------|-----|-----------------|-----------------|-------------------------|----------------------|----------------|
| n ₂ 1/min | M ₂ Nm | f _B | | | | | | n ₂ 1/min | M ₂ Nm | f _B |
| 104 | 4100 | 1.05 | 14.34 | BK80-../DPE22MA4 | 670 | 7900 | 36200 | 125 | 3400 | 1.25 |
| 94 | 4550 | 1.05 | 15.88 | BK80-../DPE22MA4 | 670 | 8400 | 38600 | 113 | 3800 | 1.25 |
| 84 | 5100 | 1.05 | 17.79 | BK80-../DPE22MA4 | 670 | 9400 | 42100 | 101 | 4250 | 1.25 |
| 77 | 5500 | 1.05 | 19.35 | BK80-../DPE22MA4 | 670 | 9500 | 44000 | 93 | 4600 | 1.25 |
| 67 | 6400 | 1.05 | 22.19 | BK80-../DPE22MA4 | 670 | 10500 | 48500 | 81 | 5300 | 1.3 |
| 60 | 7100 | 1.0 | 24.85 | BK80-../DPE22MA4 | 670 | 11200 | 50400 | 73 | 5800 | 1.2 |
| 103 | 4150 | 2.2 | 14.49 | BK90-../DPE22MA4 | 925 | 14500 | 50400 | 124 | 3450 | 2.7 |
| 92 | 4650 | 2.2 | 16.21 | BK90-../DPE22MA4 | 925 | 15400 | 52400 | 111 | 3850 | 2.7 |
| 82 | 5200 | 2.2 | 18.07 | BK90-../DPE22MA4 | 925 | 15600 | 54400 | 100 | 4250 | 2.7 |
| 74 | 5800 | 2.1 | 20.21 | BK90-../DPE22MA4 | 925 | 16600 | 56700 | 89 | 4800 | 2.5 |
| 67 | 6400 | 1.9 | 22.29 | BK90-../DPE22MA4 | 925 | 16900 | 59100 | 81 | 5300 | 2.3 |
| 60 | 7100 | 1.8 | 24.94 | BK90-../DPE22MA4 | 925 | 18000 | 61700 | 72 | 5900 | 2.2 |
| 49 | 8700 | 1.55 | 30.47 | BK90-../DPE22MA4 | 925 | 19100 | 65900 | 59 | 7200 | 1.9 |
| 43.5 | 9800 | 1.45 | 34.09 | BK90-../DPE22MA4 | 925 | 20300 | 68800 | 53 | 8100 | 1.75 |
| 36.5 | 11700 | 1.25 | 40.94 | BK90-../DPE22MA4 | 925 | 21400 | 73100 | 44 | 9700 | 1.5 |
| 32.5 | 13200 | 1.15 | 45.80 | BK90-../DPE22MA4 | 925 | 22700 | 76300 | 39.5 | 10800 | 1.45 |
| 27 | 15900 | 1.0 | 54.98 | BK90-../DPE22MA4 | 925 | 24000 | 81000 | 33 | 13000 | 1.25 |