

BG-series helical-geared motors Selection

73-116

Description of helical-geared units

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

BG-series helical-geared motors

Description of helical-geared units

Sizes

Bauer BG-series helical-geared motors are available in 13 standard sizes with torques from 20 Nm to 18,500 Nm. Higher torques are available on request. The geared unit is accommodated in a sturdy cast housing.

Bauer service factors (f_B) for helical-geared motors

Of the numerous factors influencing the total loading of a geared 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 aim 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 (available on request).

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 $f_B = f_2 = 1.5$

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Description of helical-geared units

Explanation of shock classification

Shock classification I:

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

- $FI \leq 1,3$
- $M_x/M_N \leq 1,0$
- 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)

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

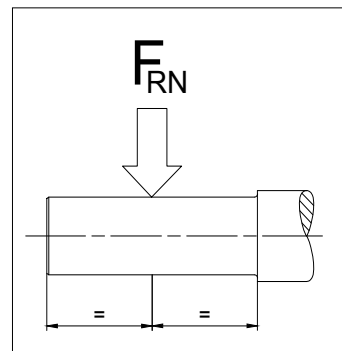
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Key to abbreviations

Selection tables, helical-geared motors

Key to abbreviations

P	Rated output Power
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 a standard solid shaft (Code -.1 and -.7)
F_{RV}	Maximum permissible radial force with reinforced bearings in each case with standard solid shaft (Code -.1 and -.7)

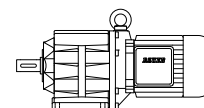


Use the selection tables to determine the size of geared motor required. The codes clearly define the Type of gear (see chapter 10 "dimensional drawings, helical-geared motors").

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

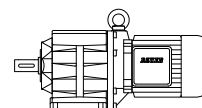


50 Hz			i	Type	m	F _{RN}	F _{RV}	60 Hz		
n ₂ 1/min	M ₂ Nm	f _B						n ₂ 1/min	M ₂ Nm	f _B
530	2.15	4.2	2.64	BG05-../DPE05LA4	7.0	420	-	640	1.79	5.0
410	2.75	3.6	3.38	BG05-../DPE05LA4	7.0	460	-	495	2.3	4.3
305	3.75	3.2	4.59	BG05-../DPE05LA4	7.0	490	-	365	3.1	3.9
255	4.45	3.1	5.46	BG05-../DPE05LA4	7.0	490	-	310	3.65	3.8
230	4.95	3.4	6.09	BG05-../DPE05LA4	7.0	480	-	275	4.15	4.1
210	5.4	3.1	6.64	BG05-../DPE05LA4	7.0	500	-	255	4.45	3.8
177	6.4	2.8	7.80	BG05-../DPE05LA4	7.0	530	-	215	5.3	3.4
170	6.7	2.7	8.15	BG05-../DPE05LA4	7.0	510	-	205	5.5	3.3
163	7.0	2.7	8.51	BG05-../DPE05LA4	7.0	550	-	197	5.8	3.3
131	8.7	2.3	10.59	BG05-../DPE05LA4	7.0	590	-	158	7.2	2.8
120	9.5	2.2	11.55	BG05-../DPE05LA4	7.0	600	-	145	7.9	2.7
115	9.9	2.1	12.05	BG05-../DPE05LA4	7.0	510	-	139	8.2	2.6
110	10.4	2.1	12.60	BG05-../DPE05LA4	7.0	610	-	133	8.6	2.6
101	11.3	2.0	13.75	BG05-../DPE05LA4	7.0	630	-	122	9.3	2.5
91	12.5	1.9	15.23	BG05-../DPE05LA4	7.0	640	-	110	10.4	2.3
84	13.6	1.85	16.62	BG05-../DPE05LA4	7.0	660	-	101	11.3	2.2
74	15.4	1.7	18.82	BG05-../DPE05LA4	7.0	680	-	89	12.8	2.0
68	16.8	1.6	20.53	BG05-../DPE05LA4	7.0	700	-	82	13.9	1.95
58	19.7	1.4	24.00	BG05-../DPE05LA4	7.0	740	-	70	16.3	1.7
53	21.5	1.35	26.18	BG05-../DPE05LA4	7.0	760	-	64	17.9	1.6
50	22.5	1.35	27.82	BG05-../DPE05LA4	7.0	770	-	61	18.7	1.6
45.5	25	1.2	30.35	BG05-../DPE05LA4	7.0	760	-	56	20	1.5
39.5	29	1.05	35.00	BG05-../DPE05LA4	7.0	810	-	48	23.5	1.3
36.5	31	0.97	38.18	BG05-../DPE05LA4	7.0	850	-	44	26	1.15
35	32.5	0.92	39.94	BG05-../DPE05LA4	7.0	860	-	42	27	1.1
32	35.5	0.85	43.57	BG05-../DPE05LA4	7.0	900	-	38.5	29.5	1.0
113	10.1	3.3	12.30	BG06-../DPE05LA4	8.0	670	-	136	8.4	3.9
107	10.7	3.1	12.98	BG06-../DPE05LA4	8.0	600	-	129	8.8	3.8
94	12.1	2.8	14.78	BG06-../DPE05LA4	8.0	730	-	113	10.1	3.4
86	13.3	2.6	16.13	BG06-../DPE05LA4	8.0	740	-	104	11	3.2
80	14.3	2.7	17.40	BG06-../DPE05LA4	8.0	760	-	96	11.9	3.2
73	15.6	2.6	18.98	BG06-../DPE05LA4	8.0	770	-	88	13	3.1
67	17.1	2.3	20.82	BG06-../DPE05LA4	8.0	800	-	81	14.1	2.8
61	18.7	2.3	22.71	BG06-../DPE05LA4	8.0	810	-	74	15.4	2.8
55	20.5	2.2	25.48	BG06-../DPE05LA4	8.0	850	-	66	17.3	2.6
50	22.5	2.0	27.80	BG06-../DPE05LA4	8.0	840	-	61	18.7	2.4
43	26.5	1.7	32.22	BG06-../DPE05LA4	8.0	890	-	52	22	2.0
39.5	29	1.55	35.15	BG06-../DPE05LA4	8.0	880	-	48	23.5	1.9
37.5	30.5	1.5	36.91	BG06-../DPE05LA4	8.0	890	-	45.5	25	1.8
34.5	33	1.35	40.26	BG06-../DPE05LA4	8.0	890	-	41.5	27.5	1.65
30	38	1.2	46.19	BG06-../DPE05LA4	8.0	890	-	36.5	31	1.45
27.5	41.5	1.1	50.38	BG06-../DPE05LA4	8.0	940	-	33.5	34	1.3
26.5	43	1.05	52.56	BG06-../DPE05LA4	8.0	950	-	32	35.5	1.25
24.5	46.5	0.97	57.34	BG06-../DPE05LA4	8.0	1000	-	29.5	38.5	1.15
23	49.5	0.91	61.22	BG06-../DPE05LA4	8.0	1020	-	27.5	41.5	1.1
21	54	0.83	66.79	BG06-../DPE05LA4	8.0	1070	-	25.5	44.5	1.0
31.5	36	3.3	43.99	BG10-../DPE06LA4	13	1880	2600	38	30	4.0
30	38	3.2	46.55	BG10-../DPE06LA4	13	1920	2650	36	31.5	3.8
27	42	2.9	51.57	BG10-../DPE06LA4	13	2000	2800	32.5	35	3.4
24.5	46.5	2.6	57.48	BG10-../DPE06LA4	13	2000	2800	29.5	38.5	3.1
22	52	2.3	63.69	BG10-../DPE06LA4	13	2000	2800	26.5	43	2.8
21	54	2.2	66.00	BG10-../DPE06LA4	13	2000	2800	25.5	44.5	2.7
19	60	2.0	73.13	BG10-../DPE06LA4	13	2000	2800	23	49.5	2.4
18	63	1.9	77.40	BG10Z-../DPE06LA4	14	2000	2800	22	52	2.3
16.5	69	1.75	85.76	BG10Z-../DPE06LA4	14	2000	2800	19.5	58	2.1
15	76	1.6	92.19	BG10Z-../DPE06LA4	14	2000	2800	18.5	61	1.95
14	81	1.5	102.1	BG10Z-../DPE06LA4	14	2000	2800	16.5	69	1.75
13	88	1.35	109.8	BG10Z-../DPE06LA4	14	2000	2800	15.5	73	1.65
11.5	99	1.2	121.7	BG10Z-../DPE06LA4	14	2000	2800	14	81	1.5

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

BG-series helical-geared motors

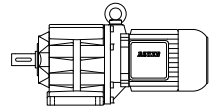
Selection helical-geared motors



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
10.5	109	1.1	131.8	BG10Z-../DPE06LA4	14	2000	2800	13	88	1.35
9.5	120	1.0	146.0	BG10Z-../DPE06LA4	14	2000	2800	11.5	99	1.2
8.4	136	0.88	166.0	BG10Z-../DPE06LA4	14	2000	2800	10.5	109	1.1
8.3	120	1.1	166.3	BG10G06-../DPE06LA4	18	2000	2800	10.5	91	1.45
7.1	140	0.93	194.9	BG10G06-../DPE06LA4	18	2000	2800	8.6	112	1.15
5.8	130*	1.0	240.7	BG10G06-../DPE06LA4	18	2000	2800	7.0	130	1.0
5.0	130*	1.0	276.4	BG10G06-../DPE06LA4	18	2000	2800	6.1	130	1.0
4.2	130*	1.0	332.0	BG10G06-../DPE06LA4	18	2000	2800	5.1	130	1.0
3.7	130*	1.0	379.6	BG10G06-../DPE06LA4	18	2000	2800	4.4	130	1.0
3.2	130*	1.0	435.9	BG10G06-../DPE06LA4	18	2000	2800	3.9	130	1.0
2.7	130*	1.0	512.6	BG10G06-../DPE06LA4	18	2000	2800	3.3	130	1.0
2.3	130*	1.0	613.6	BG10G06-../DPE06LA4	18	2000	2800	2.8	130	1.0
1.9	130*	1.0	748.9	BG10G06-../DPE06LA4	18	2000	2800	2.3	130	1.0
1.6	130*	1.0	899.5	BG10G06-../DPE06LA4	18	2000	2800	1.9	130	1.0
1.3	130*	1.0	1081	BG10G06-../DPE06LA4	18	2000	2800	1.6	130	1.0
1.1	130*	1.0	1272	BG10G06-../DPE06LA4	18	2000	2800	1.4	130	1.0
0.95	130*	1.0	1523	BG10G06-../DPE06LA4	18	2000	2800	1.1	130	1.0
0.75	130*	1.0	1863	BG10G06-../DPE06LA4	18	2000	2800	0.9	130	1.0
0.6	130*	1.0	2356	BG10G06-../DPE06LA4	18	2000	2800	0.75	130	1.0
0.55	130*	1.0	2699	BG10G06-../DPE06LA4	18	2000	2800	0.65	130	1.0
0.47	130*	1.0	2944	BG10G06-../DPE06LA4	18	2000	2800	0.6	130	1.0
0.41	130*	1.0	3378	BG10G06-../DPE06LA4	18	2000	2800	0.5	130	1.0
0.38	130*	1.0	3684	BG10G06-../DPE06LA4	18	2000	2800	0.46	130	1.0
0.31	130*	1.0	4477	BG10G06-../DPE06LA4	18	2000	2800	0.38	130	1.0
0.29	130*	1.0	4884	BG10G06-../DPE06LA4	18	2000	2800	0.35	130	1.0
18	63	3.2	78.60	BG20Z-../DPE06LA4	16	5000	-	21.5	53	3.8
16	71	2.8	87.30	BG20Z-../DPE06LA4	16	5000	-	19.5	58	3.4
15	76	2.6	94.27	BG20Z-../DPE06LA4	16	5000	-	18	63	3.2
13.5	84	2.4	104.7	BG20Z-../DPE06LA4	16	5000	-	16	71	2.8
12.5	91	2.2	112.8	BG20Z-../DPE06LA4	16	5000	-	15	76	2.6
11.5	99	2.0	125.3	BG20Z-../DPE06LA4	16	5000	-	13.5	84	2.4
9.8	116	1.7	141.3	BG20Z-../DPE06LA4	16	5000	-	12	95	2.1
8.6	133	1.5	162.2	BG20Z-../DPE06LA4	16	5000	-	10.5	109	1.85
7.7	148	1.35	180.1	BG20Z-../DPE06LA4	16	5000	-	9.3	123	1.65
7.0	163	1.25	199.9	BG20Z-../DPE06LA4	16	5000	-	8.4	136	1.45
6.3	181	1.1	222.1	BG20Z-../DPE06LA4	16	5000	-	7.6	150	1.35
5.6	178	1.25	248.0	BG20G06-../DPE06LA4	20	5000	2100	6.8	142	1.55
4.7	210	1.05	297.9	BG20G06-../DPE06LA4	20	5000	2100	5.7	172	1.3
4.0	255	0.86	352.1	BG20G06-../DPE06LA4	20	5000	2100	4.8	210	1.05
3.6	220*	1.0	391.1	BG20G06-../DPE06LA4	20	5000	2100	4.3	220	1.0
3.0	220*	1.0	460.0	BG20G06-../DPE06LA4	20	5000	2100	3.7	220	1.0
2.6	220*	1.0	550.6	BG20G06-../DPE06LA4	20	5000	2100	3.1	220	1.0
2.1	220*	1.0	671.9	BG20G06-../DPE06LA4	20	5000	2100	2.5	220	1.0
1.8	220*	1.0	807.1	BG20G06-../DPE06LA4	20	5000	2100	2.1	220	1.0
1.5	220*	1.0	969.9	BG20G06-../DPE06LA4	20	5000	2100	1.8	220	1.0
1.3	220*	1.0	1142	BG20G06-../DPE06LA4	20	5000	2100	1.5	220	1.0
1.1	220*	1.0	1366	BG20G06-../DPE06LA4	20	5000	2100	1.3	220	1.0
0.85	220*	1.0	1672	BG20G06-../DPE06LA4	20	5000	2100	1.0	220	1.0
0.8	220*	1.0	1824	BG20G06-../DPE06LA4	20	5000	2100	0.95	220	1.0
0.7	220*	1.0	2114	BG20G06-../DPE06LA4	20	5000	2100	0.8	220	1.0
0.6	220*	1.0	2422	BG20G06-../DPE06LA4	20	5000	2100	0.7	220	1.0
0.55	220*	1.0	2642	BG20G06-../DPE06LA4	20	5000	2100	0.65	220	1.0
0.46	220*	1.0	3031	BG20G06-../DPE06LA4	20	5000	2100	0.6	220	1.0
0.42	220*	1.0	3306	BG20G06-../DPE06LA4	20	5000	2100	0.55	220	1.0
0.35	220*	1.0	4017	BG20G06-../DPE06LA4	20	5000	2100	0.42	220	1.0
0.32	220*	1.0	4383	BG20G06-../DPE06LA4	20	5000	2100	0.39	220	1.0
11.5	99	3.0	121.6	BG30Z-../DPE06LA4	22	6000	-	14	81	3.7
11	104	2.9	128.5	BG30Z-../DPE06LA4	22	6000	-	13	88	3.4

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



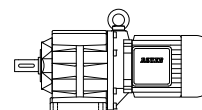
P = 0.12 kW

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
9.7	118	2.5	142.5	BG30Z-../DPE06LA4	22	6000	-	12	95	3.2
9.2	124	2.4	151.5	BG30Z-../DPE06LA4	22	6000	-	11.5	99	3.0
8.3	138	2.2	168.1	BG30Z-../DPE06LA4	22	6000	-	10	114	2.6
7.6	150	2.0	182.9	BG30Z-../DPE06LA4	22	6000	-	9.2	124	2.4
6.9	166	1.8	202.9	BG30Z-../DPE06LA4	22	6000	-	8.3	138	2.2
6.2	184	1.65	225.9	BG30Z-../DPE06LA4	22	6000	-	7.4	154	1.95
5.6	200	1.5	250.6	BG30Z-../DPE06LA4	22	6000	-	6.7	171	1.75
5.3	215	1.4	261.9	BG30Z-../DPE06LA4	22	6000	-	6.4	179	1.7
4.8	235	1.3	290.5	BG30Z-../DPE06LA4	22	6000	-	5.8	197	1.5
4.6	215	1.5	306.2	BG30G06-../DPE06LA4	25	6000	-	5.5	178	1.85
4.0	255	1.25	346.8	BG30G06-../DPE06LA4	25	6000	-	4.9	205	1.6
3.5	295	1.1	401.9	BG30G06-../DPE06LA4	25	6000	-	4.2	240	1.35
3.0	345	0.94	472.8	BG30G06-../DPE06LA4	25	6000	-	3.6	280	1.15
2.5	325*	1.0	565.8	BG30G06-../DPE06LA4	25	6000	-	3.0	325	1.0
2.0	325*	1.0	690.6	BG30G06-../DPE06LA4	25	6000	-	2.5	325	1.0
1.9	325*	1.0	760.7	BG30G06-../DPE06LA4	25	6000	-	2.2	325	1.0
1.7	325*	1.0	829.5	BG30G06-../DPE06LA4	25	6000	-	2.1	325	1.0
1.4	325*	1.0	996.8	BG30G06-../DPE06LA4	25	6000	-	1.7	325	1.0
1.3	325*	1.0	1088	BG30G06-../DPE06LA4	25	6000	-	1.6	325	1.0
1.1	325*	1.0	1280	BG30G06-../DPE06LA4	25	6000	-	1.4	325	1.0
1.0	325*	1.0	1404	BG30G06-../DPE06LA4	25	6000	-	1.2	325	1.0
0.85	325*	1.0	1718	BG30G06-../DPE06LA4	25	6000	-	1.0	325	1.0
0.75	325*	1.0	1875	BG30G06-../DPE06LA4	25	6000	-	0.9	325	1.0
0.65	325*	1.0	2173	BG30G06-../DPE06LA4	25	6000	-	0.8	325	1.0
0.55	325*	1.0	2715	BG30G06-../DPE06LA4	25	6000	-	0.65	325	1.0
0.45	325*	1.0	3115	BG30G06-../DPE06LA4	25	6000	-	0.55	325	1.0
0.41	325*	1.0	3398	BG30G06-../DPE06LA4	25	6000	-	0.5	325	1.0
0.36	325*	1.0	3867	BG30G06-../DPE06LA4	25	6000	-	0.44	325	1.0
0.31	325*	1.0	4504	BG30G06-../DPE06LA4	25	6000	-	0.38	325	1.0
8.8	130	3.3	156.9	BG40Z-../DPE06LA4	38	7000	-	11	104	4.1
8.4	136	3.1	166.1	BG40Z-../DPE06LA4	38	7000	-	10.5	109	3.9
7.5	152	2.8	184.4	BG40Z-../DPE06LA4	38	7000	-	9.1	125	3.4
7.0	163	2.6	199.9	BG40Z-../DPE06LA4	38	7000	-	8.4	136	3.1
6.3	181	2.3	221.9	BG40Z-../DPE06LA4	38	7000	-	7.6	150	2.8
5.6	200	2.1	246.5	BG40Z-../DPE06LA4	38	7000	-	6.8	168	2.5
5.1	220	1.95	273.6	BG40Z-../DPE06LA4	38	7000	-	6.2	184	2.3
4.8	148	3.1	288.6	BG40G10-../DPE06LA4	43	7000	-	5.8	107	4.3
4.0	187	2.5	353.5	BG40G10-../DPE06LA4	43	7000	-	4.8	139	3.3
3.1	260	1.8	448.8	BG40G10-../DPE06LA4	43	7000	-	3.8	194	2.4
2.6	320	1.45	534.2	BG40G10-../DPE06LA4	43	7000	-	3.2	240	1.95
2.2	405	1.15	640.0	BG40G10-../DPE06LA4	43	7000	-	2.7	310	1.5
2.0	445	1.05	710.9	BG40G10-../DPE06LA4	43	7000	-	2.4	350	1.35
1.8	495	0.94	789.1	BG40G10-../DPE06LA4	43	7000	-	2.2	380	1.2
1.5	465*	1.0	965.2	BG40G10-../DPE06LA4	43	7000	-	1.8	465	1.0
1.2	465*	1.0	1225	BG40G10-../DPE06LA4	43	7000	-	1.4	465	1.0
0.95	465*	1.0	1459	BG40G10-../DPE06LA4	43	7000	-	1.2	465	1.0
0.8	465*	1.0	1738	BG40G10-../DPE06LA4	43	7000	-	1.0	465	1.0
0.7	465*	1.0	2087	BG40G10-../DPE06LA4	43	7000	-	0.85	465	1.0
0.55	465*	1.0	2628	BG40G10-../DPE06LA4	43	7000	-	0.65	465	1.0
0.45	465*	1.0	3082	BG40G10-../DPE06LA4	43	7000	-	0.55	465	1.0
0.37	465*	1.0	3805	BG40G10-../DPE06LA4	43	7000	-	0.44	465	1.0
0.33	465*	1.0	4216	BG40G10-../DPE06LA4	43	7000	-	0.4	465	1.0
0.29	465*	1.0	4841	BG40G10-../DPE06LA4	43	7000	-	0.35	465	1.0
5.4	210	3.0	258.6	BG50Z-../DPE06LA4	47	10000	-	6.5	176	3.6
4.9	230	2.7	286.7	BG50Z-../DPE06LA4	47	10000	-	5.9	194	3.2
3.1	260	2.7	446.5	BG50G10-../DPE06LA4	51	10000	-	3.8	194	3.6
2.6	320	2.2	531.5	BG50G10-../DPE06LA4	51	10000	-	3.2	240	2.9

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

BG-series helical-geared motors

Selection helical-geared motors



P = 0.12 kW

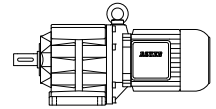
50 Hz			i	Type	m	F _{RN}	F _{RV}	60 Hz		
n ₂ 1/min	M ₂ Nm	f _B						n ₂ 1/min	M ₂ Nm	f _B
2.3	385	1.8	621.3	BG50G10-../DPE06LA4	51	10000	-	2.7	310	2.2
2.0	445	1.55	708.3	BG50G10-../DPE06LA4	51	10000	-	2.4	350	1.95
1.8	495	1.4	785.1	BG50G10-../DPE06LA4	51	10000	-	2.2	380	1.8
1.5	610	1.15	960.2	BG50G10-../DPE06LA4	51	10000	-	1.8	485	1.4
1.2	790	0.87	1219	BG50G10-../DPE06LA4	51	10000	-	1.4	660	1.05
1.0	690*	1.0	1452	BG50G10-../DPE06LA4	51	10000	-	1.2	690	1.0
0.8	690*	1.0	1729	BG50G10-../DPE06LA4	51	10000	-	1.0	690	1.0
0.7	690*	1.0	2076	BG50G10-../DPE06LA4	51	10000	-	0.85	690	1.0
0.55	690*	1.0	2615	BG50G10-../DPE06LA4	51	10000	-	0.65	690	1.0
0.46	690*	1.0	3066	BG50G10-../DPE06LA4	51	10000	-	0.55	690	1.0
0.37	690*	1.0	3786	BG50G10-../DPE06LA4	51	10000	-	0.45	690	1.0
0.33	690*	1.0	4195	BG50G10-../DPE06LA4	51	10000	-	0.4	690	1.0
0.29	690*	1.0	4816	BG50G10-../DPE06LA4	51	10000	-	0.35	690	1.0
1.8	430	3.0	804.5	BG60G20-../DPE06LA4	100	16000	-	2.1	340	3.8
1.6	490	2.7	891.5	BG60G20-../DPE06LA4	100	16000	-	1.9	375	3.5
1.4	570	2.3	1051	BG60G20-../DPE06LA4	100	16000	-	1.6	475	2.7
1.2	700	1.85	1168	BG60G20-../DPE06LA4	100	16000	-	1.5	510	2.5
1.1	770	1.7	1346	BG60G20-../DPE06LA4	100	16000	-	1.3	610	2.1
0.95	930	1.4	1496	BG60G20-../DPE06LA4	100	16000	-	1.2	680	1.9
0.8	1160	1.1	1741	BG60G20-../DPE06LA4	100	16000	-	1.0	870	1.5
0.75	1250	1.05	1880	BG60G20-../DPE06LA4	100	16000	-	0.9	1000	1.3
0.65	1300*	1.0	2249	BG60G20-../DPE06LA4	100	16000	-	0.75	1300	1.0
0.49	1300*	1.0	2818	BG60G20-../DPE06LA4	100	16000	-	0.6	1300	1.0
0.43	1300*	1.0	3234	BG60G20-../DPE06LA4	100	16000	-	0.55	1300	1.0
0.39	1300*	1.0	3592	BG60G20-../DPE06LA4	100	16000	-	0.47	1300	1.0
0.32	1300*	1.0	4429	BG60G20-../DPE06LA4	100	16000	-	0.38	1300	1.0
1.0	900	2.8	1389	BG70G20-../DPE06LA4	130	20000	-	1.3	640	3.9
0.9	1030	2.4	1543	BG70G20-../DPE06LA4	130	20000	-	1.1	800	3.1
0.85	1100	2.3	1666	BG70G20-../DPE06LA4	130	20000	-	1.1	800	3.1
0.7	1390	1.8	1994	BG70G20-../DPE06LA4	130	20000	-	0.85	1100	2.3
0.65	1520	1.65	2215	BG70G20-../DPE06LA4	130	20000	-	0.8	1190	2.1
0.5	2050	1.2	2774	BG70G20-../DPE06LA4	130	20000	-	0.65	1520	1.65
0.44	2350	1.05	3184	BG70G20-../DPE06LA4	130	20000	-	0.55	1840	1.35
0.36	2500*	1.0	3925	BG70G20-../DPE06LA4	130	20000	-	0.43	2500	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
530	3.2	2.8	2.64	BG05-../DPE07LA4	11	420	-	640	2.65	3.4
410	4.15	2.4	3.38	BG05-../DPE07LA4	11	460	-	495	3.45	2.9
305	5.6	2.1	4.59	BG05-../DPE07LA4	11	490	-	365	4.7	2.6
255	6.7	2.1	5.46	BG05-../DPE07LA4	11	490	-	310	5.5	2.5
230	7.4	2.3	6.09	BG05-../DPE07LA4	11	480	-	275	6.2	2.7
210	8.1	2.1	6.64	BG05-../DPE07LA4	11	500	-	255	6.7	2.5
177	9.7	1.85	7.80	BG05-../DPE07LA4	11	530	-	215	7.9	2.3
170	10.1	1.8	8.15	BG05-../DPE07LA4	11	510	-	205	8.3	2.2
163	10.5	1.8	8.51	BG05-../DPE07LA4	11	550	-	197	8.7	2.2
131	13.1	1.55	10.59	BG05-../DPE07LA4	11	590	-	158	10.8	1.85
120	14.3	1.45	11.55	BG05-../DPE07LA4	11	600	-	145	11.8	1.8
115	14.9	1.4	12.05	BG05-../DPE07LA4	11	510	-	139	12.3	1.7
110	15.6	1.4	12.60	BG05-../DPE07LA4	11	610	-	133	12.9	1.7
101	17	1.35	13.75	BG05-../DPE07LA4	11	630	-	122	14	1.65
91	18.8	1.3	15.23	BG05-../DPE07LA4	11	640	-	110	15.6	1.55

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

P = 0.18 kW



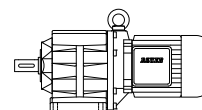
50 Hz			i	Type	m	F _{RN}	F _{RV}	60 Hz		
n ₂ 1/min	M ₂ Nm	f _B						n ₂ 1/min	M ₂ Nm	f _B
84	20	1.25	16.62	BG05-../DPE07LA4	11	660	-	101	17	1.45
74	23	1.15	18.82	BG05-../DPE07LA4	11	680	-	89	19.3	1.35
68	25	1.1	20.53	BG05-../DPE07LA4	11	700	-	82	20.5	1.3
58	29.5	0.95	24.00	BG05-../DPE07LA4	11	740	-	70	24.5	1.15
53	32	0.91	26.18	BG05-../DPE07LA4	11	760	-	64	26.5	1.1
50	34	0.88	27.82	BG05-../DPE07LA4	11	770	-	61	28	1.05
45.5	37.5	0.8	30.35	BG05-../DPE07LA4	11	760	-	56	30.5	0.98
235	7.3	3.3	5.96	BG06-../DPE07LA4	12	570	-	285	6.0	4.0
197	8.7	3.0	7.01	BG06-../DPE07LA4	12	580	-	240	7.1	3.7
165	10.4	2.7	8.39	BG06-../DPE07LA4	12	600	-	200	8.5	3.3
148	11.6	2.6	9.38	BG06-../DPE07LA4	12	640	-	179	9.6	3.1
135	12.7	2.4	10.24	BG06-../DPE07LA4	12	640	-	164	10.4	3.0
123	13.9	2.3	11.28	BG06-../DPE07LA4	12	670	-	149	11.5	2.8
113	15.2	2.2	12.30	BG06-../DPE07LA4	12	670	-	136	12.6	2.6
107	16	2.1	12.98	BG06-../DPE07LA4	12	600	-	129	13.3	2.5
94	18.2	1.85	14.78	BG06-../DPE07LA4	12	730	-	113	15.2	2.2
86	19.9	1.75	16.13	BG06-../DPE07LA4	12	740	-	104	16.5	2.1
80	21	1.8	17.40	BG06-../DPE07LA4	12	760	-	96	17.9	2.1
73	23.5	1.7	18.98	BG06-../DPE07LA4	12	770	-	88	19.5	2.1
67	25.5	1.55	20.82	BG06-../DPE07LA4	12	800	-	81	21	1.9
61	28	1.55	22.71	BG06-../DPE07LA4	12	810	-	74	23	1.85
55	31	1.45	25.48	BG06-../DPE07LA4	12	850	-	66	26	1.75
50	34	1.3	27.80	BG06-../DPE07LA4	12	840	-	61	28	1.6
43	39.5	1.15	32.22	BG06-../DPE07LA4	12	890	-	52	33	1.35
39.5	43.5	1.05	35.15	BG06-../DPE07LA4	12	880	-	48	35.5	1.25
37.5	45.5	0.99	36.91	BG06-../DPE07LA4	12	890	-	45.5	37.5	1.2
34.5	49.5	0.91	40.26	BG06-../DPE07LA4	12	890	-	41.5	41	1.1
47.5	36	3.3	29.09	BG10-../DPE07LA4	15	1540	2150	58	29.5	4.1
44	39	3.1	31.52	BG10-../DPE07LA4	15	1600	2200	53	32	3.8
40	42.5	2.8	34.92	BG10-../DPE07LA4	15	1690	2350	48	35.5	3.4
35	49	2.4	39.70	BG10-../DPE07LA4	15	1780	2450	42.5	40	3.0
31.5	54	2.2	43.99	BG10-../DPE07LA4	15	1880	2600	38	45	2.7
30	57	2.1	46.55	BG10-../DPE07LA4	15	1920	2650	36	47.5	2.5
27	63	1.9	51.57	BG10-../DPE07LA4	15	2000	2800	32.5	52	2.3
24.5	70	1.7	57.48	BG10-../DPE07LA4	15	2000	2800	29.5	58	2.1
22	78	1.55	63.69	BG10-../DPE07LA4	15	2000	2800	26.5	64	1.9
21	81	1.5	66.00	BG10-../DPE07LA4	15	2000	2800	25.5	67	1.8
19	90	1.35	73.13	BG10-../DPE07LA4	15	2000	2800	23	74	1.6
18	95	1.25	77.40	BG10Z-../DPE07LA4	16	2000	2800	22	78	1.55
16.5	104	1.15	85.76	BG10Z-../DPE07LA4	16	2000	2800	19.5	88	1.35
15	114	1.05	92.19	BG10Z-../DPE07LA4	16	2000	2800	18.5	92	1.3
14	122	0.98	102.1	BG10Z-../DPE07LA4	16	2000	2800	16.5	104	1.15
13	132	0.91	109.8	BG10Z-../DPE07LA4	16	2000	2800	15.5	110	1.1
11.5	149	0.81	121.7	BG10Z-../DPE07LA4	16	2000	2800	14	122	0.98
36.5	47	3.2	37.90	BG15-../DPE07LA4	15	3000	6000	44.5	38.5	3.9
26	66	3.0	53.22	BG20-../DPE07LA4	18	4950	-	31.5	54	3.7
23.5	73	2.7	59.07	BG20-../DPE07LA4	18	5000	-	28.5	60	3.3
21.5	79	2.5	65.62	BG20-../DPE07LA4	18	5000	-	25.5	67	3.0
20.5	83	2.4	67.53	BG20Z-../DPE07LA4	19	5000	-	25	68	2.9
18	95	2.1	78.60	BG20Z-../DPE07LA4	19	5000	-	21.5	79	2.5
16	107	1.85	87.30	BG20Z-../DPE07LA4	19	5000	-	19.5	88	2.3
15	114	1.75	94.27	BG20Z-../DPE07LA4	19	5000	-	18	95	2.1
13.5	127	1.55	104.7	BG20Z-../DPE07LA4	19	5000	-	16	107	1.85
12.5	137	1.45	112.8	BG20Z-../DPE07LA4	19	5000	-	15	114	1.75
11.5	149	1.35	125.3	BG20Z-../DPE07LA4	19	5000	-	13.5	127	1.55
9.8	175	1.15	141.3	BG20Z-../DPE07LA4	19	5000	-	12	143	1.4

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

BG-series helical-geared motors

Selection helical-geared motors

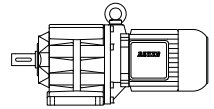
P = 0.18 kW



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
8.6	199	1.0	162.2	BG20Z-../DPE07LA4	19	5000	-	10.5	163	1.25
7.7	220	0.91	180.1	BG20Z-../DPE07LA4	19	5000	-	9.3	184	1.1
7.0	245	0.82	199.9	BG20Z-../DPE07LA4	19	5000	-	8.4	200	1.0
21	81	3.3	65.79	BG30Z-../DPE07LA4	25	6000	-	25.5	67	4.0
19	90	3.3	73.51	BG30Z-../DPE07LA4	25	6000	-	23	74	4.1
17	101	3.0	81.55	BG30Z-../DPE07LA4	25	6000	-	20.5	83	3.6
16.5	104	2.9	86.13	BG30Z-../DPE07LA4	25	6000	-	19.5	88	3.4
14.5	118	2.5	95.55	BG30Z-../DPE07LA4	25	6000	-	17.5	98	3.1
13	132	2.3	109.6	BG30Z-../DPE07LA4	25	6000	-	15.5	110	2.7
11.5	149	2.0	121.6	BG30Z-../DPE07LA4	25	6000	-	14	122	2.5
11	156	1.9	128.5	BG30Z-../DPE07LA4	25	6000	-	13	132	2.3
9.7	177	1.7	142.5	BG30Z-../DPE07LA4	25	6000	-	12	143	2.1
9.2	186	1.6	151.5	BG30Z-../DPE07LA4	25	6000	-	11.5	149	2.0
8.3	205	1.45	168.1	BG30Z-../DPE07LA4	25	6000	-	10	171	1.75
7.6	225	1.35	182.9	BG30Z-../DPE07LA4	25	6000	-	9.2	186	1.6
6.9	245	1.2	202.9	BG30Z-../DPE07LA4	25	6000	-	8.3	205	1.45
6.2	275	1.1	225.9	BG30Z-../DPE07LA4	25	6000	-	7.4	230	1.3
5.6	305	0.98	250.6	BG30Z-../DPE07LA4	25	6000	-	6.7	255	1.2
5.3	320	0.94	261.9	BG30Z-../DPE07LA4	25	6000	-	6.4	265	1.15
4.8	355	0.85	290.5	BG30Z-../DPE07LA4	25	6000	-	5.8	295	1.0
4.6	340	0.96	306.2	BG30G06-../DPE07LA4	27	6000	-	5.5	280	1.15
4.0	400	0.81	346.8	BG30G06-../DPE07LA4	27	6000	-	4.9	320	1.0
13	132	3.2	107.5	BG40Z-../DPE07LA4	40	7000	-	16	107	4.0
11.5	149	2.9	121.3	BG40Z-../DPE07LA4	40	7000	-	14	122	3.5
10.5	163	2.6	134.6	BG40Z-../DPE07LA4	40	7000	-	12.5	137	3.1
9.8	175	2.4	141.4	BG40Z-../DPE07LA4	40	7000	-	12	143	3.0
8.8	195	2.2	156.9	BG40Z-../DPE07LA4	40	7000	-	11	156	2.7
8.4	200	2.1	166.1	BG40Z-../DPE07LA4	40	7000	-	10.5	163	2.6
7.5	225	1.9	184.4	BG40Z-../DPE07LA4	40	7000	-	9.1	188	2.3
7.0	245	1.75	199.9	BG40Z-../DPE07LA4	40	7000	-	8.4	200	2.1
6.3	270	1.55	221.9	BG40Z-../DPE07LA4	40	7000	-	7.6	225	1.9
5.6	305	1.4	246.5	BG40Z-../DPE07LA4	40	7000	-	6.8	250	1.7
5.1	335	1.25	273.6	BG40Z-../DPE07LA4	40	7000	-	6.2	275	1.55
4.8	265	1.75	288.6	BG40G10-../DPE07LA4	46	7000	-	5.8	205	2.3
4.0	330	1.4	353.5	BG40G10-../DPE07LA4	46	7000	-	4.8	255	1.8
3.1	445	1.05	448.8	BG40G10-../DPE07LA4	46	7000	-	3.8	345	1.35
2.6	540	0.86	534.2	BG40G10-../DPE07LA4	46	7000	-	3.2	420	1.1
8.4	200	3.2	164.9	BG50Z-../DPE07LA4	50	10000	-	10.5	163	3.9
7.6	225	2.8	182.8	BG50Z-../DPE07LA4	50	10000	-	9.2	186	3.4
6.8	250	2.5	204.7	BG50Z-../DPE07LA4	50	10000	-	8.2	205	3.1
6.1	280	2.3	226.9	BG50Z-../DPE07LA4	50	10000	-	7.4	230	2.7
5.4	315	2.0	258.6	BG50Z-../DPE07LA4	50	10000	-	6.5	260	2.4
4.9	350	1.8	286.7	BG50Z-../DPE07LA4	50	10000	-	5.9	290	2.2
4.0	330	2.1	351.7	BG50G10-../DPE07LA4	54	10000	-	4.8	255	2.7
3.1	445	1.55	446.5	BG50G10-../DPE07LA4	54	10000	-	3.8	345	2.0
2.6	540	1.3	531.5	BG50G10-../DPE07LA4	54	10000	-	3.2	420	1.65
2.3	630	1.1	621.3	BG50G10-../DPE07LA4	54	10000	-	2.7	520	1.35
2.0	730	0.95	708.3	BG50G10-../DPE07LA4	54	10000	-	2.4	590	1.15
1.8	810	0.85	785.1	BG50G10-../DPE07LA4	54	10000	-	2.2	640	1.1
2.8	465	2.8	504.9	BG60G20-../DPE07LA4	102	16000	-	3.4	355	3.7
2.5	520	2.5	559.5	BG60G20-../DPE07LA4	102	16000	-	3.0	405	3.2
2.2	610	2.1	651.3	BG60G20-../DPE07LA4	102	16000	-	2.6	495	2.6
1.8	750	1.75	804.5	BG60G20-../DPE07LA4	102	16000	-	2.1	610	2.1
1.6	840	1.55	891.5	BG60G20-../DPE07LA4	102	16000	-	1.9	670	1.95
1.4	980	1.35	1051	BG60G20-../DPE07LA4	102	16000	-	1.6	830	1.55

The torques marked (*) are maximum permissible torques for service factor f_B=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
1.2	1180	1.1	1168	BG60G20-../DPE07LA4	102	16000	-	1.5	890	1.45
1.1	1290	1.0	1346	BG60G20-../DPE07LA4	102	16000	-	1.3	1050	1.25
1.8	750	3.3	790.2	BG70G20-../DPE07LA4	132	20000	-	2.2	580	4.3
1.6	860	2.9	877.6	BG70G20-../DPE07LA4	132	20000	-	2.0	650	3.8
1.4	1000	2.5	1035	BG70G20-../DPE07LA4	132	20000	-	1.7	790	3.2
1.2	1190	2.1	1193	BG70G20-../DPE07LA4	132	20000	-	1.4	990	2.5
1.0	1470	1.7	1389	BG70G20-../DPE07LA4	132	20000	-	1.3	1080	2.3
0.9	1670	1.5	1543	BG70G20-../DPE07LA4	132	20000	-	1.1	1320	1.9
0.85	1780	1.4	1666	BG70G20-../DPE07LA4	132	20000	-	1.1	1320	1.9
0.7	2200	1.15	1994	BG70G20-../DPE07LA4	132	20000	-	0.85	1780	1.4
0.65	2400	1.05	2215	BG70G20-../DPE07LA4	132	20000	-	0.8	1900	1.3

6

P = 0.25 kW

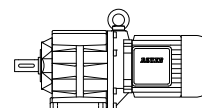
50 Hz			i	Type	m	F _{RN}	F _{RV}	60 Hz		
n ₂ 1/min	M ₂ Nm	f _B						n ₂ 1/min	M ₂ Nm	f _B
510	4.65	3.9	2.82	BG06-../DPE08MA4	16	470	-	610	3.9	4.6
380	6.2	3.2	3.78	BG06-../DPE08MA4	16	520	-	455	5.2	3.8
315	7.5	2.9	4.54	BG06-../DPE08MA4	16	530	-	380	6.2	3.5
240	9.9	2.4	5.96	BG06-../DPE08MA4	16	570	-	290	8.2	2.9
205	11.6	2.2	7.01	BG06-../DPE08MA4	16	580	-	245	9.7	2.7
186	12.8	2.2	7.65	BG06-../DPE08MA4	16	580	-	225	10.6	2.6
170	14	2.0	8.39	BG06-../DPE08MA4	16	600	-	205	11.6	2.4
152	15.7	1.9	9.38	BG06-../DPE08MA4	16	640	-	183	13	2.3
139	17.1	1.8	10.24	BG06-../DPE08MA4	16	640	-	167	14.2	2.2
126	18.9	1.7	11.28	BG06-../DPE08MA4	16	670	-	152	15.7	2.0
116	20.5	1.6	12.30	BG06-../DPE08MA4	16	670	-	140	17	1.95
110	21.5	1.55	12.98	BG06-../DPE08MA4	16	600	-	132	18	1.85
97	24.5	1.4	14.78	BG06-../DPE08MA4	16	730	-	116	20.5	1.65
89	26.5	1.3	16.13	BG06-../DPE08MA4	16	740	-	107	22	1.6
82	29	1.3	17.40	BG06-../DPE08MA4	16	760	-	99	24	1.6
75	31.5	1.25	18.98	BG06-../DPE08MA4	16	770	-	91	26	1.55
69	34.5	1.15	20.82	BG06-../DPE08MA4	16	800	-	83	28.5	1.4
63	37.5	1.15	22.71	BG06-../DPE08MA4	16	810	-	76	31	1.4
56	42.5	1.05	25.48	BG06-../DPE08MA4	16	850	-	68	35	1.3
52	45.5	0.99	27.80	BG06-../DPE08MA4	16	840	-	62	38.5	1.15
44.5	53	0.85	32.22	BG06-../DPE08MA4	16	890	-	54	44	1.0
65	36.5	3.3	22.04	BG10-../DPE08MA4	16	1330	1860	78	30.5	3.9
59	40	3.0	24.42	BG10-../DPE08MA4	16	1410	1970	71	33.5	3.6
55	43	2.8	26.26	BG10-../DPE08MA4	16	1460	2000	66	36	3.3
49	48.5	2.5	29.09	BG10-../DPE08MA4	16	1540	2150	59	40	3.0
45.5	52	2.3	31.52	BG10-../DPE08MA4	16	1600	2200	55	43	2.8
41	58	2.1	34.92	BG10-../DPE08MA4	16	1690	2350	49	48.5	2.5
36	66	1.8	39.70	BG10-../DPE08MA4	16	1780	2450	43.5	54	2.2
32.5	73	1.65	43.99	BG10-../DPE08MA4	16	1880	2600	39	61	1.95
31	77	1.55	46.55	BG10-../DPE08MA4	16	1920	2650	37	64	1.9
28	85	1.4	51.57	BG10-../DPE08MA4	16	2000	2800	33.5	71	1.7
25	95	1.25	57.48	BG10-../DPE08MA4	16	2000	2800	30	79	1.5
22.5	106	1.15	63.69	BG10-../DPE08MA4	16	2000	2800	27	88	1.35
21.5	111	0.93	67.54	BG10Z-../DPE08MA4	18	2000	2800	25.5	93	1.1
18.5	129	0.93	77.40	BG10Z-../DPE08MA4	18	2000	2800	22.5	106	1.15
17	140	0.86	85.76	BG10Z-../DPE08MA4	18	2000	2800	20	119	1.0

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

BG-series helical-geared motors

Selection helical-geared motors

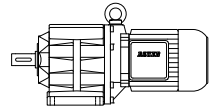
P = 0.25 kW



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
53	45	3.3	27.08	BG15-../DPE08MA4	16	3000	6000	64	37	4.1
47.5	50	3.0	30.08	BG15-../DPE08MA4	16	3000	6000	57	41.5	3.6
42	56	2.7	34.20	BG15-../DPE08MA4	16	3000	6000	50	47.5	3.2
37.5	63	2.4	37.90	BG15-../DPE08MA4	16	3000	6000	45.5	52	2.9
38.5	62	3.2	37.02	BG20-../DPE08MA4	19	4300	-	46.5	51	3.9
34.5	69	2.9	41.76	BG20-../DPE08MA4	19	4500	-	41	58	3.4
31	77	2.6	46.38	BG20-../DPE08MA4	19	4700	-	37	64	3.1
30	79	2.5	47.92	BG20-../DPE08MA4	19	4750	-	36	66	3.0
27	88	2.3	53.22	BG20-../DPE08MA4	19	4950	-	32.5	73	2.7
24.5	97	2.1	59.07	BG20-../DPE08MA4	19	5000	-	29	82	2.4
22	108	1.85	65.62	BG20-../DPE08MA4	19	5000	-	26.5	90	2.2
21.5	111	1.8	67.53	BG20Z-../DPE08MA4	20	5000	-	25.5	93	2.2
18.5	129	1.55	78.60	BG20Z-../DPE08MA4	20	5000	-	22	108	1.85
16.5	144	1.4	87.30	BG20Z-../DPE08MA4	20	5000	-	20	119	1.7
15.5	154	1.3	94.27	BG20Z-../DPE08MA4	20	5000	-	18.5	129	1.55
14	170	1.2	104.7	BG20Z-../DPE08MA4	20	5000	-	16.5	144	1.4
13	183	1.1	112.8	BG20Z-../DPE08MA4	20	5000	-	15.5	154	1.3
11.5	205	0.98	125.3	BG20Z-../DPE08MA4	20	5000	-	14	170	1.2
10.5	225	0.89	141.3	BG20Z-../DPE08MA4	20	5000	-	12.5	191	1.05
24.5	97	3.1	58.18	BG30-../DPE08MA4	23	6000	-	29.5	80	3.8
23.5	101	3.0	60.79	BG30-../DPE08MA4	23	6000	-	28.5	83	3.6
21.5	111	2.7	67.44	BG30-../DPE08MA4	23	6000	-	25.5	93	3.2
19.5	122	2.5	73.51	BG30Z-../DPE08MA4	26	6000	-	23.5	101	3.0
17.5	136	2.2	81.55	BG30Z-../DPE08MA4	26	6000	-	21	113	2.7
16.5	144	2.1	86.13	BG30Z-../DPE08MA4	26	6000	-	20	119	2.5
15	159	1.9	95.55	BG30Z-../DPE08MA4	26	6000	-	18	132	2.3
13	183	1.65	109.6	BG30Z-../DPE08MA4	26	6000	-	16	149	2.0
12	198	1.5	121.6	BG30Z-../DPE08MA4	26	6000	-	14.5	164	1.85
11.5	205	1.45	128.5	BG30Z-../DPE08MA4	26	6000	-	13.5	176	1.7
10	235	1.3	142.5	BG30Z-../DPE08MA4	26	6000	-	12	198	1.5
9.4	250	1.2	151.5	BG30Z-../DPE08MA4	26	6000	-	11.5	205	1.45
8.5	280	1.05	168.1	BG30Z-../DPE08MA4	26	6000	-	10.5	225	1.35
7.8	305	0.98	182.9	BG30Z-../DPE08MA4	26	6000	-	9.4	250	1.2
7.0	340	0.88	202.9	BG30Z-../DPE08MA4	26	6000	-	8.5	280	1.05
6.3	375	0.8	225.9	BG30Z-../DPE08MA4	26	6000	-	7.6	310	0.97
5.6	395	0.82	254.9	BG30G06-../DPE08MA4	32	6000	-	6.8	320	1.0
17.5	136	3.1	82.00	BG40Z-../DPE08MA4	42	7000	-	21	113	3.8
16	149	2.9	91.02	BG40Z-../DPE08MA4	42	7000	-	19	125	3.4
15	159	2.7	96.86	BG40Z-../DPE08MA4	42	7000	-	18	132	3.2
13.5	176	2.4	107.5	BG40Z-../DPE08MA4	42	7000	-	16	149	2.9
12	198	2.1	121.3	BG40Z-../DPE08MA4	42	7000	-	14.5	164	2.6
11	215	2.0	134.6	BG40Z-../DPE08MA4	42	7000	-	13	183	2.3
10.5	225	1.9	141.4	BG40Z-../DPE08MA4	42	7000	-	12.5	191	2.2
9.1	260	1.65	156.9	BG40Z-../DPE08MA4	42	7000	-	11	215	2.0
8.6	275	1.55	166.1	BG40Z-../DPE08MA4	42	7000	-	10.5	225	1.9
7.8	305	1.4	184.4	BG40Z-../DPE08MA4	42	7000	-	9.3	255	1.65
7.2	330	1.3	199.9	BG40Z-../DPE08MA4	42	7000	-	8.6	275	1.55
6.4	370	1.15	221.9	BG40Z-../DPE08MA4	42	7000	-	7.8	305	1.4
5.8	410	1.05	246.5	BG40Z-../DPE08MA4	42	7000	-	7.0	340	1.25
5.2	455	0.93	273.6	BG40Z-../DPE08MA4	42	7000	-	6.3	375	1.15
5.0	385	1.2	288.6	BG40G10-../DPE08MA4	47	7000	-	6.0	305	1.5
4.1	480	0.97	353.5	BG40G10-../DPE08MA4	47	7000	-	4.9	385	1.2
11.5	205	3.1	128.9	BG50Z-../DPE08MA4	51	10000	-	13.5	176	3.6
10	235	2.7	142.9	BG50Z-../DPE08MA4	51	10000	-	12	198	3.2

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

P = 0.25 kW



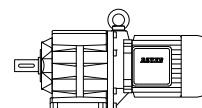
50 Hz			i	Type	m	F _{RN}	F _{RV}	60 Hz		
n ₂ 1/min	M ₂ Nm	f _B						n ₂ 1/min	M ₂ Nm	f _B
8.7	270	2.3	164.9	BG50Z-../DPE08MA4	51	10000	-	10.5	225	2.8
7.8	305	2.1	182.8	BG50Z-../DPE08MA4	51	10000	-	9.4	250	2.5
7.0	340	1.85	204.7	BG50Z-../DPE08MA4	51	10000	-	8.4	280	2.3
6.3	375	1.7	226.9	BG50Z-../DPE08MA4	51	10000	-	7.6	310	2.0
5.5	430	1.45	258.6	BG50Z-../DPE08MA4	51	10000	-	6.7	355	1.75
5.0	475	1.35	286.7	BG50Z-../DPE08MA4	51	10000	-	6.0	395	1.6
4.1	480	1.45	351.7	BG50G10-../DPE08MA4	55	10000	-	4.9	385	1.8
3.2	630	1.1	446.5	BG50G10-../DPE08MA4	55	10000	-	3.9	500	1.4
2.7	760	0.91	531.5	BG50G10-../DPE08MA4	55	10000	-	3.3	600	1.15
6.3	375	3.2	226.7	BG60Z-../DPE08MA4	96	16000	-	7.6	310	3.9
5.8	410	2.9	247.7	BG60Z-../DPE08MA4	96	16000	-	7.0	340	3.5
5.2	455	2.6	274.5	BG60Z-../DPE08MA4	96	16000	-	6.3	375	3.2
4.3	415	3.1	334.3	BG60G20-../DPE08MA4	103	16000	-	5.2	315	4.1
3.9	455	2.9	370.5	BG60G20-../DPE08MA4	103	16000	-	4.7	350	3.7
3.3	550	2.4	437.3	BG60G20-../DPE08MA4	103	16000	-	4.0	430	3.0
2.9	670	1.95	504.9	BG60G20-../DPE08MA4	103	16000	-	3.4	550	2.4
2.6	750	1.75	559.5	BG60G20-../DPE08MA4	103	16000	-	3.1	600	2.2
2.2	920	1.4	651.3	BG60G20-../DPE08MA4	103	16000	-	2.7	710	1.85
1.8	1120	1.15	804.5	BG60G20-../DPE08MA4	103	16000	-	2.2	880	1.5
1.6	1260	1.05	891.5	BG60G20-../DPE08MA4	103	16000	-	2.0	960	1.35
1.4	1460	0.89	1051	BG60G20-../DPE08MA4	103	16000	-	1.7	1160	1.1
1.3	1580	0.82	1168	BG60G20-../DPE08MA4	103	16000	-	1.5	1340	0.97
2.5	800	3.1	577.3	BG70G20-../DPE08MA4	133	20000	-	3.0	640	3.9
2.2	910	2.7	665.8	BG70G20-../DPE08MA4	133	20000	-	2.6	740	3.4
1.8	1120	2.2	790.2	BG70G20-../DPE08MA4	133	20000	-	2.2	880	2.8
1.7	1190	2.1	877.6	BG70G20-../DPE08MA4	133	20000	-	2.0	980	2.6
1.4	1480	1.7	1035	BG70G20-../DPE08MA4	133	20000	-	1.7	1180	2.1
1.2	1750	1.45	1193	BG70G20-../DPE08MA4	133	20000	-	1.5	1350	1.85
1.1	1930	1.3	1389	BG70G20-../DPE08MA4	133	20000	-	1.3	1590	1.55
0.95	2250	1.1	1543	BG70G20-../DPE08MA4	133	20000	-	1.2	1750	1.45
0.9	2400	1.05	1666	BG70G20-../DPE08MA4	133	20000	-	1.1	1930	1.3
1.2	1440	3.2	1261	BG80G40-../DPE08MA4	215	26000	-	1.4	1160	4.0
1.1	1630	2.8	1400	BG80G40-../DPE08MA4	215	26000	-	1.3	1290	3.6
0.9	2100	2.2	1653	BG80G40-../DPE08MA4	215	26000	-	1.1	1630	2.8
0.7	2850	1.6	2070	BG80G40-../DPE08MA4	215	26000	-	0.85	2250	2.0
0.6	3400	1.35	2413	BG80G40-../DPE08MA4	215	26000	-	0.75	2600	1.75
0.55	3800	1.2	2836	BG80G40-../DPE08MA4	215	26000	-	0.65	3100	1.5
0.6	3300	2.8	2514	BG90G50-../DPE08MA4	324	65000	-	0.7	2700	3.4
0.55	3650	2.5	2786	BG90G50-../DPE08MA4	324	65000	-	0.65	2950	3.1
0.45	4600	2.0	3177	BG90G50-../DPE08MA4	324	65000	-	0.55	3650	2.5
0.41	5100	1.8	3521	BG90G50-../DPE08MA4	324	65000	-	0.49	4150	2.2
0.25	7000	2.6	5888	BG100G50-../DPE08MA4	512	90000	-	0.3	5400	3.4
0.22	8300	2.2	6529	BG100G50-../DPE08MA4	512	90000	-	0.27	6300	2.9
0.19	10000	1.85	7533	BG100G50-../DPE08MA4	512	90000	-	0.23	7800	2.4
0.18	10700	1.75	8350	BG100G50-../DPE08MA4	512	90000	-	0.21	8800	2.1
0.16	12400	1.5	9348	BG100G50-../DPE08MA4	512	90000	-	0.19	10000	1.85

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

BG-series helical-geared motors

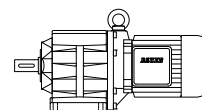
Selection helical-geared motors

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
510	6.9	2.6	2.82	BG06-../DPE08LA4	18	470	-	610	5.7	3.2
380	9.2	2.2	3.78	BG06-../DPE08LA4	18	520	-	455	7.7	2.6
315	11.2	1.95	4.54	BG06-../DPE08LA4	18	530	-	380	9.2	2.4
240	14.7	1.65	5.96	BG06-../DPE08LA4	18	570	-	290	12.1	2.0
205	17.2	1.5	7.01	BG06-../DPE08LA4	18	580	-	245	14.4	1.8
186	18.9	1.5	7.65	BG06-../DPE08LA4	18	580	-	225	15.7	1.8
170	20.5	1.35	8.39	BG06-../DPE08LA4	18	600	-	205	17.2	1.65
152	23	1.3	9.38	BG06-../DPE08LA4	18	640	-	183	19.3	1.55
139	25	1.25	10.24	BG06-../DPE08LA4	18	640	-	167	21	1.5
126	28	1.15	11.28	BG06-../DPE08LA4	18	670	-	152	23	1.4
116	30	1.1	12.30	BG06-../DPE08LA4	18	670	-	140	25	1.3
110	32	1.05	12.98	BG06-../DPE08LA4	18	600	-	132	26.5	1.25
97	36	0.94	14.78	BG06-../DPE08LA4	18	730	-	116	30	1.15
89	39.5	0.89	16.13	BG06-../DPE08LA4	18	740	-	107	33	1.05
82	43	0.88	17.40	BG06-../DPE08LA4	18	760	-	99	35.5	1.05
75	47	0.85	18.98	BG06-../DPE08LA4	18	770	-	91	38.5	1.05
98	36	3.2	14.58	BG10-../DPE08LA4	18	1100	1540	118	29.5	3.9
88	40	2.9	16.15	BG10-../DPE08LA4	18	1140	1590	106	33	3.5
77	45.5	2.6	18.51	BG10-../DPE08LA4	18	1210	1690	93	37.5	3.2
70	50	2.4	20.51	BG10-../DPE08LA4	18	1290	1800	84	42	2.9
65	54	2.2	22.04	BG10-../DPE08LA4	18	1330	1860	78	45	2.7
59	59	2.0	24.42	BG10-../DPE08LA4	18	1410	1970	71	49.5	2.4
55	64	1.9	26.26	BG10-../DPE08LA4	18	1460	2000	66	53	2.3
49	72	1.65	29.09	BG10-../DPE08LA4	18	1540	2150	59	59	2.0
45.5	77	1.55	31.52	BG10-../DPE08LA4	18	1600	2200	55	64	1.9
41	86	1.4	34.92	BG10-../DPE08LA4	18	1690	2350	49	72	1.65
36	98	1.2	39.70	BG10-../DPE08LA4	18	1780	2450	43.5	81	1.5
32.5	108	1.1	43.99	BG10-../DPE08LA4	18	1880	2600	39	90	1.35
31	113	1.05	46.55	BG10-../DPE08LA4	18	1920	2650	37	95	1.25
28	126	0.95	51.57	BG10-../DPE08LA4	18	2000	2800	33.5	105	1.15
25	141	0.85	57.48	BG10-../DPE08LA4	18	2000	2800	30	117	1.05
53	66	2.3	27.08	BG15-../DPE08LA4	18	3000	6000	64	55	2.7
47.5	74	2.0	30.08	BG15-../DPE08LA4	18	3000	6000	57	61	2.5
42	84	1.8	34.20	BG15-../DPE08LA4	18	3000	6000	50	70	2.1
37.5	94	1.6	37.90	BG15-../DPE08LA4	18	3000	6000	45.5	77	1.95
56	63	3.2	25.79	BG20-../DPE08LA4	20	3700	-	67	52	3.8
51	69	2.9	27.85	BG20-../DPE08LA4	20	3800	-	62	56	3.6
46	76	2.6	30.94	BG20-../DPE08LA4	20	4000	-	56	63	3.2
43	82	2.4	33.33	BG20-../DPE08LA4	20	4100	-	52	67	3.0
38.5	91	2.2	37.02	BG20-../DPE08LA4	20	4300	-	46.5	75	2.7
34.5	102	1.95	41.76	BG20-../DPE08LA4	20	4500	-	41	86	2.3
31	113	1.75	46.38	BG20-../DPE08LA4	20	4700	-	37	95	2.1
30	117	1.7	47.92	BG20-../DPE08LA4	20	4750	-	36	98	2.0
27	130	1.55	53.22	BG20-../DPE08LA4	20	4950	-	32.5	108	1.85
24.5	144	1.4	59.07	BG20-../DPE08LA4	20	5000	-	29	121	1.65
22	160	1.25	65.62	BG20-../DPE08LA4	20	5000	-	26.5	133	1.5
21.5	164	1.2	67.53	BG20Z-../DPE08LA4	22	5000	-	25.5	138	1.45
18.5	191	1.05	78.60	BG20Z-../DPE08LA4	22	5000	-	22	160	1.25
16.5	210	0.95	87.30	BG20Z-../DPE08LA4	22	5000	-	20	176	1.15
15.5	225	0.89	94.27	BG20Z-../DPE08LA4	22	5000	-	18.5	191	1.05
14	250	0.8	104.7	BG20Z-../DPE08LA4	22	5000	-	16.5	210	0.95
36.5	96	3.1	39.02	BG30-../DPE08LA4	25	5800	-	44	80	3.8
33.5	105	2.9	42.46	BG30-../DPE08LA4	25	5900	-	40.5	87	3.4
30.5	115	2.6	47.11	BG30-../DPE08LA4	25	6000	-	36.5	96	3.1
27.5	128	2.3	52.44	BG30-../DPE08LA4	25	6000	-	33	107	2.8
24.5	144	2.1	58.18	BG30-../DPE08LA4	25	6000	-	29.5	119	2.5
23.5	150	2.0	60.79	BG30-../DPE08LA4	25	6000	-	28.5	123	2.4

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



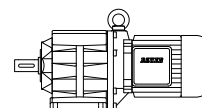
P = 0.37 kW

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
21.5	164	1.85	67.44	BG30-../DPE08LA4	25	6000	-	25.5	138	2.2
19.5	181	1.65	73.51	BG30Z-../DPE08LA4	28	6000	-	23.5	150	2.0
17.5	200	1.5	81.55	BG30Z-../DPE08LA4	28	6000	-	21	168	1.8
16.5	210	1.45	86.13	BG30Z-../DPE08LA4	28	6000	-	20	176	1.7
15	235	1.3	95.55	BG30Z-../DPE08LA4	28	6000	-	18	196	1.55
13	270	1.1	109.6	BG30Z-../DPE08LA4	28	6000	-	16	220	1.35
12	290	1.05	121.6	BG30Z-../DPE08LA4	28	6000	-	14.5	240	1.25
11.5	305	0.98	128.5	BG30Z-../DPE08LA4	28	6000	-	13.5	260	1.15
10	350	0.86	142.5	BG30Z-../DPE08LA4	28	6000	-	12	290	1.05
9.4	375	0.8	151.5	BG30Z-../DPE08LA4	28	6000	-	11.5	305	0.98
26.5	133	3.2	53.69	BG40-../DPE08LA4	40	7000	-	32	110	3.9
24	147	2.9	59.64	BG40-../DPE08LA4	40	7000	-	29	121	3.5
21.5	164	2.6	66.20	BG40-../DPE08LA4	40	7000	-	26	135	3.1
21	168	2.5	67.74	BG40Z-../DPE08LA4	43	7000	-	25.5	138	3.1
19	185	2.3	75.19	BG40Z-../DPE08LA4	43	7000	-	23	153	2.8
17.5	200	2.1	82.00	BG40Z-../DPE08LA4	43	7000	-	21	168	2.5
16	220	1.95	91.02	BG40Z-../DPE08LA4	43	7000	-	19	185	2.3
15	235	1.8	96.86	BG40Z-../DPE08LA4	43	7000	-	18	196	2.2
13.5	260	1.65	107.5	BG40Z-../DPE08LA4	43	7000	-	16	220	1.95
12	290	1.45	121.3	BG40Z-../DPE08LA4	43	7000	-	14.5	240	1.75
11	320	1.35	134.6	BG40Z-../DPE08LA4	43	7000	-	13	270	1.55
10.5	335	1.25	141.4	BG40Z-../DPE08LA4	43	7000	-	12.5	280	1.5
9.1	385	1.1	156.9	BG40Z-../DPE08LA4	43	7000	-	11	320	1.35
8.6	410	1.05	166.1	BG40Z-../DPE08LA4	43	7000	-	10.5	335	1.25
7.8	450	0.94	184.4	BG40Z-../DPE08LA4	43	7000	-	9.3	375	1.15
7.2	490	0.87	199.9	BG40Z-../DPE08LA4	43	7000	-	8.6	410	1.05
18	196	3.2	79.78	BG50Z-../DPE08LA4	52	10000	-	21.5	164	3.8
15	235	2.7	95.58	BG50Z-../DPE08LA4	52	10000	-	18	196	3.2
13.5	260	2.4	106.0	BG50Z-../DPE08LA4	52	10000	-	16.5	210	3.0
11.5	305	2.1	128.9	BG50Z-../DPE08LA4	52	10000	-	13.5	260	2.4
10	350	1.8	142.9	BG50Z-../DPE08LA4	52	10000	-	12	290	2.2
8.7	405	1.55	164.9	BG50Z-../DPE08LA4	52	10000	-	10.5	335	1.9
7.8	450	1.4	182.8	BG50Z-../DPE08LA4	52	10000	-	9.4	375	1.7
7.0	500	1.25	204.7	BG50Z-../DPE08LA4	52	10000	-	8.4	420	1.5
6.3	560	1.15	226.9	BG50Z-../DPE08LA4	52	10000	-	7.6	460	1.35
5.5	640	0.98	258.6	BG50Z-../DPE08LA4	52	10000	-	6.7	520	1.2
5.0	700	0.9	286.7	BG50Z-../DPE08LA4	52	10000	-	6.0	580	1.1
4.1	760	0.91	351.7	BG50G10-../DPE08LA4	56	10000	-	4.9	620	1.1
9.0	390	3.1	158.0	BG60Z-../DPE08LA4	97	16000	-	11	320	3.8
8.2	430	2.8	175.1	BG60Z-../DPE08LA4	97	16000	-	9.8	360	3.3
7.0	500	2.4	204.6	BG60Z-../DPE08LA4	97	16000	-	8.4	420	2.9
6.3	560	2.1	226.7	BG60Z-../DPE08LA4	97	16000	-	7.6	460	2.6
5.8	600	2.0	247.7	BG60Z-../DPE08LA4	97	16000	-	7.0	500	2.4
5.2	670	1.8	274.5	BG60Z-../DPE08LA4	97	16000	-	6.3	560	2.1
4.7	620	2.1	306.1	BG60G20-../DPE08LA4	105	16000	-	5.6	500	2.6
4.3	680	1.9	334.3	BG60G20-../DPE08LA4	105	16000	-	5.2	530	2.5
3.9	750	1.75	370.5	BG60G20-../DPE08LA4	105	16000	-	4.7	590	2.2
3.3	900	1.45	437.3	BG60G20-../DPE08LA4	105	16000	-	4.0	710	1.85
2.9	1060	1.25	504.9	BG60G20-../DPE08LA4	105	16000	-	3.4	890	1.45
2.6	1190	1.1	559.5	BG60G20-../DPE08LA4	105	16000	-	3.1	970	1.35
2.2	1440	0.9	651.3	BG60G20-../DPE08LA4	105	16000	-	2.7	1140	1.15
3.7	800	3.1	387.6	BG70G20-../DPE08LA4	135	20000	-	4.5	630	4.0
3.4	910	2.7	417.8	BG70G20-../DPE08LA4	135	20000	-	4.1	730	3.4
2.9	1070	2.3	495.9	BG70G20-../DPE08LA4	135	20000	-	3.5	860	2.9

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

BG-series helical-geared motors

Selection helical-geared motors



P = 0.37 kW

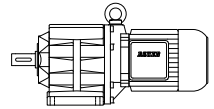
50 Hz			i	Type	m	F _{RN}	F _{RV}	60 Hz		
n ₂ 1/min	M ₂ Nm	f _B						n ₂ 1/min	M ₂ Nm	f _B
2.5	1260	2.0	577.3	BG70G20-../DPE08LA4	135	20000	-	3.0	1030	2.4
2.2	1430	1.75	665.8	BG70G20-../DPE08LA4	135	20000	-	2.6	1190	2.1
1.8	1760	1.4	790.2	BG70G20-../DPE08LA4	135	20000	-	2.2	1400	1.8
1.7	1870	1.35	877.6	BG70G20-../DPE08LA4	135	20000	-	2.0	1560	1.6
1.4	2300	1.1	1035	BG70G20-../DPE08LA4	135	20000	-	1.7	1850	1.35
1.2	2700	0.93	1193	BG70G20-../DPE08LA4	135	20000	-	1.5	2100	1.2
1.1	2950	0.85	1389	BG70G20-../DPE08LA4	135	20000	-	1.3	2450	1.0
1.8	1440	3.2	817.4	BG80G40-../DPE08LA4	216	26000	-	2.1	1160	4.0
1.6	1670	2.8	907.6	BG80G40-../DPE08LA4	216	26000	-	1.9	1320	3.5
1.4	1980	2.3	1042	BG80G40-../DPE08LA4	216	26000	-	1.7	1530	3.0
1.2	2400	1.9	1261	BG80G40-../DPE08LA4	216	26000	-	1.4	1980	2.3
1.1	2650	1.75	1400	BG80G40-../DPE08LA4	216	26000	-	1.3	2150	2.1
0.9	3350	1.35	1653	BG80G40-../DPE08LA4	216	26000	-	1.1	2650	1.75
0.7	4500	1.0	2070	BG80G40-../DPE08LA4	216	26000	-	0.85	3600	1.3
0.9	3250	2.8	1583	BG90G50-../DPE08LA4	326	65000	-	1.1	2500	3.7
0.85	3450	2.7	1756	BG90G50-../DPE08LA4	326	65000	-	1.0	2850	3.2
0.75	4000	2.3	2026	BG90G50-../DPE08LA4	326	65000	-	0.85	3450	2.7
0.6	5200	1.75	2514	BG90G50-../DPE08LA4	326	65000	-	0.7	4350	2.1
0.55	5700	1.6	2786	BG90G50-../DPE08LA4	326	65000	-	0.65	4750	1.95
0.45	7100	1.3	3177	BG90G50-../DPE08LA4	326	65000	-	0.55	5700	1.6
0.41	7900	1.15	3521	BG90G50-../DPE08LA4	326	65000	-	0.49	6500	1.4
0.39	6500	2.8	3644	BG100G50-../DPE08LA4	513	90000	-	0.47	5000	3.7
0.33	8200	2.3	4366	BG100G50-../DPE08LA4	513	90000	-	0.4	6300	2.9
0.3	9200	2.0	4839	BG100G50-../DPE08LA4	513	90000	-	0.36	7300	2.5
0.25	11600	1.6	5888	BG100G50-../DPE08LA4	513	90000	-	0.3	9200	2.0
0.22	13500	1.35	6529	BG100G50-../DPE08LA4	513	90000	-	0.27	10500	1.75
0.19	16000	1.15	7533	BG100G50-../DPE08LA4	513	90000	-	0.23	12800	1.45
0.18	17100	1.1	8350	BG100G50-../DPE08LA4	513	90000	-	0.21	14300	1.3

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
510	10.2	1.75	2.82	BG06-../DPE08XA4	19	470	-	610	8.6	2.1
380	13.8	1.45	3.78	BG06-../DPE08XA4	19	520	-	455	11.5	1.75
315	16.6	1.35	4.54	BG06-../DPE08XA4	19	530	-	380	13.8	1.6
240	21.5	1.1	5.96	BG06-../DPE08XA4	19	570	-	290	18.1	1.35
205	25.5	1.0	7.01	BG06-../DPE08XA4	19	580	-	245	21	1.25
186	28	1.0	7.65	BG06-../DPE08XA4	19	580	-	225	23	1.2
170	30.5	0.92	8.39	BG06-../DPE08XA4	19	600	-	205	25.5	1.1
152	34.5	0.87	9.38	BG06-../DPE08XA4	19	640	-	183	28.5	1.05
139	37.5	0.83	10.24	BG06-../DPE08XA4	19	640	-	167	31	1.0
210	25	3.2	6.78	BG10-../DPE08XA4	19	660	920	255	20.5	4.0
187	28	3.2	7.63	BG10-../DPE08XA4	19	900	1250	225	23	3.9
176	29.5	3.0	8.07	BG10-../DPE08XA4	19	660	920	215	24	3.7
153	34	2.9	9.33	BG10-../DPE08XA4	19	950	1330	184	28.5	3.4
138	38	2.6	10.34	BG10-../DPE08XA4	19	1000	1400	166	31.5	3.1
120	43.5	2.4	11.92	BG10-../DPE08XA4	19	1030	1440	144	36	2.9
108	48.5	2.3	13.21	BG10-../DPE08XA4	19	1070	1490	130	40	2.8
98	53	2.2	14.58	BG10-../DPE08XA4	19	1100	1540	118	44.5	2.6
88	59	2.0	16.15	BG10-../DPE08XA4	19	1140	1590	106	49.5	2.4
77	68	1.75	18.51	BG10-../DPE08XA4	19	1210	1690	93	56	2.1

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

P = 0.55 kW



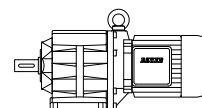
50 Hz			i	Type	m	F _{RN}	F _{RV}	60 Hz		
n ₂ 1/min	M ₂ Nm	f _B						n ₂ 1/min	M ₂ Nm	f _B
70	75	1.6	20.51	BG10-../DPE08XA4	19	1290	1800	84	62	1.95
65	80	1.5	22.04	BG10-../DPE08XA4	19	1330	1860	78	67	1.8
59	89	1.35	24.42	BG10-../DPE08XA4	19	1410	1970	71	73	1.65
55	95	1.25	26.26	BG10-../DPE08XA4	19	1460	2000	66	79	1.5
49	107	1.1	29.09	BG10-../DPE08XA4	19	1540	2150	59	89	1.35
45.5	115	1.05	31.52	BG10-../DPE08XA4	19	1600	2200	55	95	1.25
41	128	0.94	34.92	BG10-../DPE08XA4	19	1690	2350	49	107	1.1
36	145	0.83	39.70	BG10-../DPE08XA4	19	1780	2450	43.5	120	1.0
53	99	1.5	27.08	BG15-../DPE08XA4	19	3000	6000	64	82	1.85
47.5	110	1.35	30.08	BG15-../DPE08XA4	19	3000	6000	57	92	1.65
42	125	1.2	34.20	BG15-../DPE08XA4	19	3000	6000	50	105	1.45
37.5	140	1.05	37.90	BG15-../DPE08XA4	19	3000	6000	45.5	115	1.3
97	54	3.2	14.67	BG20-../DPE08XA4	22	3050	-	117	44.5	3.9
92	57	3.1	15.58	BG20-../DPE08XA4	22	3100	-	110	47.5	3.7
83	63	2.9	17.31	BG20-../DPE08XA4	22	3200	-	99	53	3.5
72	72	2.7	19.95	BG20-../DPE08XA4	22	3350	-	86	61	3.2
65	80	2.5	22.16	BG20-../DPE08XA4	22	3500	-	78	67	3.0
62	84	2.4	23.22	BG20-../DPE08XA4	22	3550	-	74	70	2.9
56	93	2.2	25.79	BG20-../DPE08XA4	22	3700	-	67	78	2.6
51	102	1.95	27.85	BG20-../DPE08XA4	22	3800	-	62	84	2.4
46	114	1.75	30.94	BG20-../DPE08XA4	22	4000	-	56	93	2.2
43	122	1.65	33.33	BG20-../DPE08XA4	22	4100	-	52	101	2.0
38.5	136	1.45	37.02	BG20-../DPE08XA4	22	4300	-	46.5	112	1.8
34.5	152	1.3	41.76	BG20-../DPE08XA4	22	4500	-	41	128	1.55
31	169	1.2	46.38	BG20-../DPE08XA4	22	4700	-	37	141	1.4
30	175	1.15	47.92	BG20-../DPE08XA4	22	4750	-	36	145	1.4
27	194	1.05	53.22	BG20-../DPE08XA4	22	4950	-	32.5	161	1.25
24.5	210	0.95	59.07	BG20-../DPE08XA4	22	5000	-	29	181	1.1
22	235	0.85	65.62	BG20-../DPE08XA4	22	5000	-	26.5	198	1.0
21.5	240	0.83	67.53	BG20Z-../DPE08XA4	23	5000	-	25.5	205	0.98
56	93	3.2	25.45	BG30-../DPE08XA4	26	4850	-	68	77	3.9
51	102	2.9	28.24	BG30-../DPE08XA4	26	5100	-	61	86	3.5
48	109	2.8	29.83	BG30-../DPE08XA4	26	5200	-	58	90	3.3
43	122	2.5	33.09	BG30-../DPE08XA4	26	5400	-	52	101	3.0
40.5	129	2.3	35.17	BG30-../DPE08XA4	26	5500	-	49	107	2.8
36.5	143	2.1	39.02	BG30-../DPE08XA4	26	5800	-	44	119	2.5
33.5	156	1.9	42.46	BG30-../DPE08XA4	26	5900	-	40.5	129	2.3
30.5	172	1.75	47.11	BG30-../DPE08XA4	26	6000	-	36.5	143	2.1
27.5	191	1.55	52.44	BG30-../DPE08XA4	26	6000	-	33	159	1.9
24.5	210	1.45	58.18	BG30-../DPE08XA4	26	6000	-	29.5	178	1.7
23.5	220	1.35	60.79	BG30-../DPE08XA4	26	6000	-	28.5	184	1.65
21.5	240	1.25	67.44	BG30-../DPE08XA4	26	6000	-	25.5	205	1.45
19.5	265	1.15	73.51	BG30Z-../DPE08XA4	28	6000	-	23.5	220	1.35
17.5	300	1.0	81.55	BG30Z-../DPE08XA4	28	6000	-	21	250	1.2
16.5	315	0.95	86.13	BG30Z-../DPE08XA4	28	6000	-	20	260	1.15
15	350	0.86	95.55	BG30Z-../DPE08XA4	28	6000	-	18	290	1.05
37.5	140	3.0	37.96	BG40-../DPE08XA4	41	7000	-	45.5	115	3.7
35.5	147	2.9	40.19	BG40-../DPE08XA4	41	7000	-	43	122	3.5
32	164	2.6	44.62	BG40-../DPE08XA4	41	7000	-	38.5	136	3.1
29.5	178	2.4	48.36	BG40-../DPE08XA4	41	7000	-	35.5	147	2.9
26.5	198	2.1	53.69	BG40-../DPE08XA4	41	7000	-	32	164	2.6
24	215	2.0	59.64	BG40-../DPE08XA4	41	7000	-	29	181	2.3
21.5	240	1.75	66.20	BG40-../DPE08XA4	41	7000	-	26	200	2.1
21	250	1.7	67.74	BG40Z-../DPE08XA4	44	7000	-	25.5	205	2.1
19	275	1.55	75.19	BG40Z-../DPE08XA4	44	7000	-	23	225	1.9

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

BG-series helical-geared motors

Selection helical-geared motors

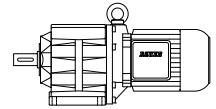
P = 0.55 kW



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
17.5	300	1.4	82.00	BG40Z-../DPE08XA4	44	7000	-	21	250	1.7
16	325	1.3	91.02	BG40Z-../DPE08XA4	44	7000	-	19	275	1.55
15	350	1.2	96.86	BG40Z-../DPE08XA4	44	7000	-	18	290	1.45
13.5	385	1.1	107.5	BG40Z-../DPE08XA4	44	7000	-	16	325	1.3
12	435	0.98	121.3	BG40Z-../DPE08XA4	44	7000	-	14.5	360	1.2
11	475	0.89	134.6	BG40Z-../DPE08XA4	44	7000	-	13	400	1.05
10.5	500	0.85	141.4	BG40Z-../DPE08XA4	44	7000	-	12.5	420	1.0
27.5	191	3.3	52.12	BG50-../DPE08XA4	48	10000	-	33	159	4.0
24	215	2.9	59.42	BG50-../DPE08XA4	48	10000	-	29	181	3.5
22	235	2.7	65.86	BG50-../DPE08XA4	48	10000	-	26	200	3.2
20	260	2.4	71.97	BG50Z-../DPE08XA4	53	10000	-	24	215	2.9
18	290	2.2	79.78	BG50Z-../DPE08XA4	53	10000	-	21.5	240	2.6
15	350	1.8	95.58	BG50Z-../DPE08XA4	53	10000	-	18	290	2.2
13.5	385	1.65	106.0	BG50Z-../DPE08XA4	53	10000	-	16.5	315	2.0
11.5	455	1.4	128.9	BG50Z-../DPE08XA4	53	10000	-	13.5	385	1.65
10	520	1.2	142.9	BG50Z-../DPE08XA4	53	10000	-	12	435	1.45
8.7	600	1.05	164.9	BG50Z-../DPE08XA4	53	10000	-	10.5	500	1.25
7.8	670	0.94	182.8	BG50Z-../DPE08XA4	53	10000	-	9.4	550	1.15
7.0	750	0.84	204.7	BG50Z-../DPE08XA4	53	10000	-	8.4	620	1.0
14.5	360	3.3	101.0	BG60Z-../DPE08XA4	98	16000	-	17	305	3.9
12	435	2.8	119.2	BG60Z-../DPE08XA4	98	16000	-	14.5	360	3.3
11	475	2.5	132.1	BG60Z-../DPE08XA4	98	16000	-	13	400	3.0
9.0	580	2.1	158.0	BG60Z-../DPE08XA4	98	16000	-	11	475	2.5
8.2	640	1.9	175.1	BG60Z-../DPE08XA4	98	16000	-	9.8	530	2.3
7.0	750	1.6	204.6	BG60Z-../DPE08XA4	98	16000	-	8.4	620	1.95
6.3	830	1.45	226.7	BG60Z-../DPE08XA4	98	16000	-	7.6	690	1.75
5.8	900	1.35	247.7	BG60Z-../DPE08XA4	98	16000	-	7.0	750	1.6
5.2	1010	1.2	274.5	BG60Z-../DPE08XA4	98	16000	-	6.3	830	1.45
4.7	980	1.35	306.1	BG60G20-../DPE08XA4	106	16000	-	5.6	800	1.65
4.3	1080	1.2	334.3	BG60G20-../DPE08XA4	106	16000	-	5.2	870	1.5
3.9	1190	1.1	370.5	BG60G20-../DPE08XA4	106	16000	-	4.7	960	1.35
3.3	1420	0.92	437.3	BG60G20-../DPE08XA4	106	16000	-	4.0	1140	1.15
7.4	700	3.3	194.4	BG70Z-../DPE08XA4	138	20000	-	8.8	590	3.9
6.8	770	3.0	210.5	BG70Z-../DPE08XA4	138	20000	-	8.2	640	3.6
5.7	920	2.5	249.8	BG70Z-../DPE08XA4	138	20000	-	6.9	760	3.0
5.6	830	3.0	255.5	BG70G20-../DPE08XA4	136	20000	-	6.7	670	3.7
5.2	890	2.8	276.7	BG70G20-../DPE08XA4	136	20000	-	6.2	730	3.4
4.4	1050	2.4	328.4	BG70G20-../DPE08XA4	136	20000	-	5.3	850	2.9
3.7	1270	1.95	387.6	BG70G20-../DPE08XA4	136	20000	-	4.5	1020	2.5
3.4	1420	1.75	417.8	BG70G20-../DPE08XA4	136	20000	-	4.1	1150	2.2
2.9	1660	1.5	495.9	BG70G20-../DPE08XA4	136	20000	-	3.5	1350	1.85
2.5	1950	1.3	577.3	BG70G20-../DPE08XA4	136	20000	-	3.0	1600	1.55
2.2	2200	1.15	665.8	BG70G20-../DPE08XA4	136	20000	-	2.6	1850	1.35
1.8	2700	0.93	790.2	BG70G20-../DPE08XA4	136	20000	-	2.2	2150	1.15
1.7	2850	0.88	877.6	BG70G20-../DPE08XA4	136	20000	-	2.0	2400	1.05
2.5	1720	2.7	572.0	BG80G40-../DPE08XA4	217	26000	-	3.0	1370	3.4
2.2	1900	2.4	657.8	BG80G40-../DPE08XA4	217	26000	-	2.6	1540	3.0
2.0	2100	2.2	730.3	BG80G40-../DPE08XA4	217	26000	-	2.4	1690	2.7
1.8	2350	1.95	817.4	BG80G40-../DPE08XA4	217	26000	-	2.1	1970	2.3
1.6	2700	1.7	907.6	BG80G40-../DPE08XA4	217	26000	-	1.9	2200	2.1
1.4	3200	1.45	1042	BG80G40-../DPE08XA4	217	26000	-	1.7	2500	1.85
1.2	3800	1.2	1261	BG80G40-../DPE08XA4	217	26000	-	1.4	3200	1.45
1.1	4200	1.1	1400	BG80G40-../DPE08XA4	217	26000	-	1.3	3500	1.3
1.3	3350	2.7	1174	BG90G50-../DPE08XA4	327	65000	-	1.5	2800	3.3

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

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
1.1	4100	2.2	1301	BG90G50-../DPE08XA4	327	65000	-	1.4	3050	3.0
0.9	5100	1.8	1583	BG90G50-../DPE08XA4	327	65000	-	1.1	4100	2.2
0.85	5500	1.65	1756	BG90G50-../DPE08XA4	327	65000	-	1.0	4550	2.0
0.75	6300	1.45	2026	BG90G50-../DPE08XA4	327	65000	-	0.85	5500	1.65
0.6	8000	1.15	2514	BG90G50-../DPE08XA4	327	65000	-	0.7	6800	1.35
0.55	8800	1.05	2786	BG90G50-../DPE08XA4	327	65000	-	0.65	7400	1.25
0.55	7100	2.6	2656	BG100G50-../DPE08XA4	514	90000	-	0.65	5700	3.2
0.49	8400	2.2	2952	BG100G50-../DPE08XA4	514	90000	-	0.6	6500	2.8
0.44	9400	1.95	3286	BG100G50-../DPE08XA4	514	90000	-	0.55	7000	2.6
0.39	10900	1.7	3644	BG100G50-../DPE08XA4	514	90000	-	0.47	8600	2.2
0.33	13400	1.4	4366	BG100G50-../DPE08XA4	514	90000	-	0.4	10600	1.75
0.3	15000	1.25	4839	BG100G50-../DPE08XA4	514	90000	-	0.36	12000	1.55

6

P = 0.75 kW

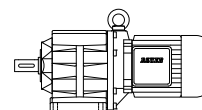
50 Hz			i	Type	m	F _{RN}	F _{RV}	60 Hz		
n ₂ 1/min	M ₂ Nm	f _B						n ₂ 1/min	M ₂ Nm	f _B
510	14	1.3	2.82	BG06-../DPE08XB4	19	470	-	610	11.7	1.55
380	18.8	1.05	3.78	BG06-../DPE08XB4	19	520	-	455	15.7	1.25
315	22.5	0.98	4.54	BG06-../DPE08XB4	19	530	-	380	18.8	1.15
240	29.5	0.81	5.96	BG06-../DPE08XB4	19	570	-	290	24.5	0.98
330	21.5	3.2	4.36	BG10-../DPE08XB4	19	650	910	395	18.1	3.8
270	26.5	2.8	5.34	BG10-../DPE08XB4	19	620	910	325	22	3.4
210	34	2.6	6.89	BG10-../DPE08XB4	19	850	1200	250	28.5	3.1
187	38	2.3	7.63	BG10-../DPE08XB4	19	900	1250	225	31.5	2.8
176	40.5	2.2	8.07	BG10-../DPE08XB4	19	660	920	215	33	2.7
153	46.5	2.1	9.33	BG10-../DPE08XB4	19	950	1330	184	38.5	2.5
138	51	1.95	10.34	BG10-../DPE08XB4	19	1000	1400	166	43	2.3
120	59	1.8	11.92	BG10-../DPE08XB4	19	1030	1440	144	49.5	2.1
108	66	1.65	13.21	BG10-../DPE08XB4	19	1070	1490	130	55	2.0
98	73	1.55	14.58	BG10-../DPE08XB4	19	1100	1540	118	60	1.9
88	81	1.45	16.15	BG10-../DPE08XB4	19	1140	1590	106	67	1.75
77	93	1.3	18.51	BG10-../DPE08XB4	19	1210	1690	93	77	1.55
70	102	1.2	20.51	BG10-../DPE08XB4	19	1290	1800	84	85	1.4
65	110	1.1	22.04	BG10-../DPE08XB4	19	1330	1860	78	91	1.3
59	121	0.99	24.42	BG10-../DPE08XB4	19	1410	1970	71	100	1.2
55	130	0.92	26.26	BG10-../DPE08XB4	19	1460	2000	66	108	1.1
49	146	0.82	29.09	BG10-../DPE08XB4	19	1540	2150	59	121	0.99
53	135	1.1	27.08	BG15-../DPE08XB4	19	3000	6000	64	111	1.35
47.5	150	1.0	30.08	BG15-../DPE08XB4	19	3000	6000	57	125	1.2
42	170	0.88	34.20	BG15-../DPE08XB4	19	3000	6000	50	143	1.05
172	41.5	2.9	8.29	BG20-../DPE08XB4	22	2250	-	210	34	3.6
160	44.5	3.2	8.91	BG20-../DPE08XB4	22	2600	-	192	37	3.9
148	48	2.5	9.65	BG20-../DPE08XB4	22	2250	-	178	40	3.1
135	53	2.9	10.54	BG20-../DPE08XB4	22	2700	-	163	43.5	3.5
122	58	2.7	11.71	BG20-../DPE08XB4	22	2800	-	147	48.5	3.3
108	66	2.5	13.21	BG20-../DPE08XB4	22	2900	-	130	55	3.0
97	73	2.4	14.67	BG20-../DPE08XB4	22	3050	-	117	61	2.8
92	77	2.3	15.58	BG20-../DPE08XB4	22	3100	-	110	65	2.7
83	86	2.1	17.31	BG20-../DPE08XB4	22	3200	-	99	72	2.5
72	99	1.95	19.95	BG20-../DPE08XB4	22	3350	-	86	83	2.3
65	110	1.8	22.16	BG20-../DPE08XB4	22	3500	-	78	91	2.2

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

BG-series helical-geared motors

Selection helical-geared motors

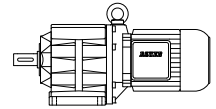
P = 0.75 kW



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
62	115	1.75	23.22	BG20-../DPE08XB4	22	3550	-	74	96	2.1
56	127	1.55	25.79	BG20-../DPE08XB4	22	3700	-	67	106	1.9
51	140	1.45	27.85	BG20-../DPE08XB4	22	3800	-	62	115	1.75
46	155	1.3	30.94	BG20-../DPE08XB4	22	4000	-	56	127	1.55
43	166	1.2	33.33	BG20-../DPE08XB4	22	4100	-	52	137	1.45
38.5	186	1.1	37.02	BG20-../DPE08XB4	22	4300	-	46.5	154	1.3
34.5	205	0.98	41.76	BG20-../DPE08XB4	22	4500	-	41	174	1.15
31	230	0.87	46.38	BG20-../DPE08XB4	22	4700	-	37	193	1.05
30	235	0.85	47.92	BG20-../DPE08XB4	22	4750	-	36	198	1.0
76	94	3.2	18.93	BG30-../DPE08XB4	26	4100	-	91	78	3.8
72	99	3.0	19.99	BG30-../DPE08XB4	26	4200	-	86	83	3.6
65	110	2.7	22.18	BG30-../DPE08XB4	26	4600	-	78	91	3.3
56	127	2.4	25.45	BG30-../DPE08XB4	26	4850	-	68	105	2.9
51	140	2.1	28.24	BG30-../DPE08XB4	26	5100	-	61	117	2.6
48	149	2.0	29.83	BG30-../DPE08XB4	26	5200	-	58	123	2.4
43	166	1.8	33.09	BG30-../DPE08XB4	26	5400	-	52	137	2.2
40.5	176	1.7	35.17	BG30-../DPE08XB4	26	5500	-	49	146	2.1
36.5	196	1.55	39.02	BG30-../DPE08XB4	26	5800	-	44	162	1.85
33.5	210	1.45	42.46	BG30-../DPE08XB4	26	5900	-	40.5	176	1.7
30.5	230	1.3	47.11	BG30-../DPE08XB4	26	6000	-	36.5	196	1.55
27.5	260	1.15	52.44	BG30-../DPE08XB4	26	6000	-	33	215	1.4
24.5	290	1.05	58.18	BG30-../DPE08XB4	26	6000	-	29.5	240	1.25
23.5	300	1.0	60.79	BG30-../DPE08XB4	26	6000	-	28.5	250	1.2
21.5	330	0.91	67.44	BG30-../DPE08XB4	26	6000	-	25.5	280	1.05
19.5	365	0.82	73.51	BG30Z-../DPE08XB4	29	6000	-	23.5	300	1.0
55	130	3.3	26.01	BG40-../DPE08XB4	41	6500	-	66	108	3.9
48.5	147	2.9	29.34	BG40-../DPE08XB4	41	6800	-	59	121	3.5
44	162	2.6	32.57	BG40-../DPE08XB4	41	7000	-	53	135	3.1
42	170	2.5	34.20	BG40-../DPE08XB4	41	7000	-	50	143	3.0
37.5	191	2.2	37.96	BG40-../DPE08XB4	41	7000	-	45.5	157	2.7
35.5	200	2.1	40.19	BG40-../DPE08XB4	41	7000	-	43	166	2.6
32	220	1.95	44.62	BG40-../DPE08XB4	41	7000	-	38.5	186	2.3
29.5	240	1.75	48.36	BG40-../DPE08XB4	41	7000	-	35.5	200	2.1
26.5	270	1.55	53.69	BG40-../DPE08XB4	41	7000	-	32	220	1.95
24	295	1.45	59.64	BG40-../DPE08XB4	41	7000	-	29	245	1.75
21.5	330	1.3	66.20	BG40-../DPE08XB4	41	7000	-	26	275	1.55
21	340	1.25	67.74	BG40Z-../DPE08XB4	44	7000	-	25.5	280	1.5
19	375	1.15	75.19	BG40Z-../DPE08XB4	44	7000	-	23	310	1.35
17.5	405	1.05	82.00	BG40Z-../DPE08XB4	44	7000	-	21	340	1.25
16	445	0.96	91.02	BG40Z-../DPE08XB4	44	7000	-	19	375	1.15
15	475	0.89	96.86	BG40Z-../DPE08XB4	44	7000	-	18	395	1.1
13.5	530	0.8	107.5	BG40Z-../DPE08XB4	44	7000	-	16	445	0.96
37.5	191	3.3	37.89	BG50-../DPE08XB4	49	10000	-	45.5	157	4.0
34	210	3.0	42.00	BG50-../DPE08XB4	49	10000	-	41	174	3.6
30.5	230	2.7	47.02	BG50-../DPE08XB4	49	10000	-	36.5	196	3.2
27.5	260	2.4	52.12	BG50-../DPE08XB4	49	10000	-	33	215	2.9
24	295	2.1	59.42	BG50-../DPE08XB4	49	10000	-	29	245	2.6
22	325	1.95	65.86	BG50-../DPE08XB4	49	10000	-	26	275	2.3
20	355	1.75	71.97	BG50Z-../DPE08XB4	54	10000	-	24	295	2.1
18	395	1.6	79.78	BG50Z-../DPE08XB4	54	10000	-	21.5	330	1.9
15	475	1.35	95.58	BG50Z-../DPE08XB4	54	10000	-	18	395	1.6
13.5	530	1.2	106.0	BG50Z-../DPE08XB4	54	10000	-	16.5	430	1.45
11.5	620	1.0	128.9	BG50Z-../DPE08XB4	54	10000	-	13.5	530	1.2
10	710	0.89	142.9	BG50Z-../DPE08XB4	54	10000	-	12	590	1.05
19	375	3.2	75.71	BG60Z-../DPE08XB4	99	16000	-	23	310	3.9

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

P = 0.75 kW



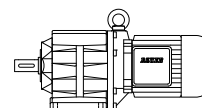
50 Hz			i	Type	m	F _{RN}	F _{RV}	60 Hz		
n ₂ 1/min	M ₂ Nm	f _B						n ₂ 1/min	M ₂ Nm	f _B
16	445	2.7	91.09	BG60Z-../DPE08XB4	99	16000	-	19	375	3.2
14.5	490	2.4	101.0	BG60Z-../DPE08XB4	99	16000	-	17	420	2.9
12	590	2.0	119.2	BG60Z-../DPE08XB4	99	16000	-	14.5	490	2.4
11	650	1.85	132.1	BG60Z-../DPE08XB4	99	16000	-	13	550	2.2
9.0	790	1.5	158.0	BG60Z-../DPE08XB4	99	16000	-	11	650	1.85
8.2	870	1.4	175.1	BG60Z-../DPE08XB4	99	16000	-	9.8	730	1.65
7.0	1020	1.2	204.6	BG60Z-../DPE08XB4	99	16000	-	8.4	850	1.4
6.3	1130	1.05	226.7	BG60Z-../DPE08XB4	99	16000	-	7.6	940	1.3
5.8	1230	0.98	247.7	BG60Z-../DPE08XB4	99	16000	-	7.0	1020	1.2
5.2	1370	0.88	274.5	BG60Z-../DPE08XB4	99	16000	-	6.3	1130	1.05
4.7	1390	0.94	306.1	BG60G20-../DPE08XB4	106	16000	-	5.6	1150	1.15
4.3	1520	0.86	334.3	BG60G20-../DPE08XB4	106	16000	-	5.2	1230	1.05
9.7	730	3.2	147.2	BG70Z-../DPE08XB4	138	20000	-	12	590	3.9
8.7	820	2.8	163.8	BG70Z-../DPE08XB4	138	20000	-	10.5	680	3.4
7.4	960	2.4	194.4	BG70Z-../DPE08XB4	138	20000	-	8.8	810	2.8
6.8	1050	2.2	210.5	BG70Z-../DPE08XB4	138	20000	-	8.2	870	2.6
5.7	1250	1.85	249.8	BG70Z-../DPE08XB4	138	20000	-	6.9	1030	2.2
5.6	1170	2.1	255.5	BG70G20-../DPE08XB4	136	20000	-	6.7	960	2.6
5.2	1260	2.0	276.7	BG70G20-../DPE08XB4	136	20000	-	6.2	1030	2.4
4.4	1490	1.7	328.4	BG70G20-../DPE08XB4	136	20000	-	5.3	1210	2.1
3.7	1780	1.4	387.6	BG70G20-../DPE08XB4	136	20000	-	4.5	1440	1.75
3.4	1980	1.25	417.8	BG70G20-../DPE08XB4	136	20000	-	4.1	1620	1.55
2.9	2300	1.1	495.9	BG70G20-../DPE08XB4	136	20000	-	3.5	1900	1.3
2.5	2700	0.93	577.3	BG70G20-../DPE08XB4	136	20000	-	3.0	2200	1.15
2.2	3050	0.82	665.8	BG70G20-../DPE08XB4	136	20000	-	2.6	2550	0.98
4.0	1450	3.2	360.0	BG80G40-../DPE08XB4	218	26000	-	4.8	1150	4.0
3.6	1610	2.9	399.8	BG80G40-../DPE08XB4	218	26000	-	4.3	1290	3.6
3.3	1830	2.5	436.2	BG80G40-../DPE08XB4	218	26000	-	4.0	1450	3.2
3.0	2000	2.3	484.3	BG80G40-../DPE08XB4	218	26000	-	3.6	1610	2.9
2.5	2450	1.9	572.0	BG80G40-../DPE08XB4	218	26000	-	3.0	2000	2.3
2.2	2750	1.65	657.8	BG80G40-../DPE08XB4	218	26000	-	2.6	2250	2.0
2.0	3050	1.5	730.3	BG80G40-../DPE08XB4	218	26000	-	2.4	2450	1.9
1.8	3450	1.35	817.4	BG80G40-../DPE08XB4	218	26000	-	2.1	2850	1.6
1.6	3900	1.2	907.6	BG80G40-../DPE08XB4	218	26000	-	1.9	3200	1.45
1.4	4550	1.0	1042	BG80G40-../DPE08XB4	218	26000	-	1.7	3650	1.25
1.2	5400	0.85	1261	BG80G40-../DPE08XB4	218	26000	-	1.4	4550	1.0
2.0	2900	3.2	714.2	BG90G50-../DPE08XB4	328	65000	-	2.4	2300	4.0
1.7	3500	2.6	883.7	BG90G50-../DPE08XB4	328	65000	-	2.0	2900	3.2
1.3	4800	1.9	1174	BG90G50-../DPE08XB4	328	65000	-	1.5	4100	2.2
1.1	5800	1.6	1301	BG90G50-../DPE08XB4	328	65000	-	1.4	4400	2.1
0.9	7200	1.3	1583	BG90G50-../DPE08XB4	328	65000	-	1.1	5800	1.6
0.85	7700	1.2	1756	BG90G50-../DPE08XB4	328	65000	-	1.0	6400	1.45
0.75	8800	1.05	2026	BG90G50-../DPE08XB4	328	65000	-	0.85	7700	1.2
1.0	5700	3.2	1444	BG100G50-../DPE08XB4	514	90000	-	1.2	4550	4.1
0.85	6800	2.7	1678	BG100G50-../DPE08XB4	514	90000	-	1.1	4900	3.8
0.8	7100	2.6	1867	BG100G50-../DPE08XB4	514	90000	-	0.95	5700	3.2
0.7	8100	2.3	2154	BG100G50-../DPE08XB4	514	90000	-	0.8	6800	2.7
0.55	10600	1.75	2656	BG100G50-../DPE08XB4	514	90000	-	0.65	8600	2.2
0.49	12300	1.5	2952	BG100G50-../DPE08XB4	514	90000	-	0.6	9600	1.95
0.44	13700	1.35	3286	BG100G50-../DPE08XB4	514	90000	-	0.55	10500	1.75
0.39	15800	1.15	3644	BG100G50-../DPE08XB4	514	90000	-	0.47	12700	1.45

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

BG-series helical-geared motors

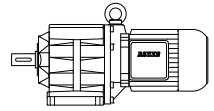
Selection helical-geared motors

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
580	18.1	3.1	2.52	BG10-../DPE09XA4	30	570	790	700	15	3.7
425	24.5	2.5	3.42	BG10-../DPE09XA4	30	630	880	510	20.5	3.0
335	31	2.2	4.36	BG10-../DPE09XA4	30	650	910	400	26	2.6
270	38.5	1.95	5.34	BG10-../DPE09XA4	30	620	910	330	31.5	2.4
215	48.5	1.65	6.78	BG10-../DPE09XA4	30	660	920	260	40	2.0
210	50	1.75	6.89	BG10-../DPE09XA4	30	850	1200	255	41	2.1
189	55	1.6	7.63	BG10-../DPE09XA4	30	900	1250	230	45.5	1.95
179	58	1.5	8.07	BG10-../DPE09XA4	30	660	920	220	47.5	1.85
155	67	1.45	9.33	BG10-../DPE09XA4	30	950	1330	187	56	1.75
140	75	1.3	10.34	BG10-../DPE09XA4	30	1000	1400	169	62	1.6
121	86	1.2	11.92	BG10-../DPE09XA4	30	1030	1440	146	71	1.5
110	95	1.15	13.21	BG10-../DPE09XA4	30	1070	1490	132	79	1.4
99	106	1.1	14.58	BG10-../DPE09XA4	30	1100	1540	120	87	1.3
90	116	1.0	16.15	BG10-../DPE09XA4	30	1140	1590	108	97	1.2
78	134	0.9	18.51	BG10-../DPE09XA4	30	1210	1690	95	110	1.1
71	147	0.82	20.51	BG10-../DPE09XA4	30	1290	1800	85	123	0.98
330	31.5	3.3	4.38	BG20-../DPE09XA4	32	1990	-	400	26	4.0
265	39.5	2.9	5.49	BG20-../DPE09XA4	32	2100	-	320	32.5	3.5
240	43.5	2.9	6.06	BG20-../DPE09XA4	32	2250	-	290	36	3.5
225	46.5	2.6	6.48	BG20-../DPE09XA4	32	2250	-	270	38.5	3.2
215	48.5	2.7	6.73	BG20-../DPE09XA4	32	2350	2100	260	40	3.3
180	58	2.4	8.02	BG20-../DPE09XA4	32	2500	-	220	47.5	2.9
174	60	2.0	8.29	BG20-../DPE09XA4	32	2250	-	210	50	2.4
162	64	2.2	8.91	BG20-../DPE09XA4	32	2600	-	196	53	2.7
150	70	1.75	9.65	BG20-../DPE09XA4	32	2250	-	181	58	2.1
137	76	2.0	10.54	BG20-../DPE09XA4	32	2700	-	166	63	2.4
123	85	1.85	11.71	BG20-../DPE09XA4	32	2800	-	149	70	2.3
110	95	1.75	13.21	BG20-../DPE09XA4	32	2900	-	132	79	2.1
99	106	1.6	14.67	BG20-../DPE09XA4	32	3050	-	119	88	1.95
93	112	1.6	15.58	BG20-../DPE09XA4	32	3100	-	112	93	1.9
84	125	1.45	17.31	BG20-../DPE09XA4	32	3200	-	101	104	1.75
73	143	1.35	19.95	BG20-../DPE09XA4	32	3350	-	88	119	1.65
65	161	1.25	22.16	BG20-../DPE09XA4	32	3500	-	79	132	1.5
63	166	1.2	23.22	BG20-../DPE09XA4	32	3550	-	75	140	1.45
56	187	1.05	25.79	BG20-../DPE09XA4	32	3700	-	68	154	1.3
52	200	1.0	27.85	BG20-../DPE09XA4	32	3800	-	63	166	1.2
47	220	0.91	30.94	BG20-../DPE09XA4	32	4000	-	57	184	1.1
43.5	240	0.83	33.33	BG20-../DPE09XA4	32	4100	-	53	198	1.0
122	86	3.2	11.82	BG30-../DPE09XA4	37	3200	-	148	70	3.9
105	100	2.9	13.77	BG30-../DPE09XA4	37	3150	-	127	82	3.6
95	110	2.7	15.27	BG30-../DPE09XA4	37	3450	-	114	92	3.3
85	123	2.4	17.06	BG30-../DPE09XA4	37	3700	-	102	102	2.9
77	136	2.2	18.93	BG30-../DPE09XA4	37	4100	-	92	114	2.6
73	143	2.1	19.99	BG30-../DPE09XA4	37	4200	-	88	119	2.5
65	161	1.85	22.18	BG30-../DPE09XA4	37	4600	-	79	132	2.3
57	184	1.65	25.45	BG30-../DPE09XA4	37	4850	-	69	152	1.95
51	205	1.45	28.24	BG30-../DPE09XA4	37	5100	-	62	169	1.8
48.5	215	1.4	29.83	BG30-../DPE09XA4	37	5200	-	59	178	1.7
44	235	1.3	33.09	BG30-../DPE09XA4	37	5400	-	53	198	1.5
41	255	1.2	35.17	BG30-../DPE09XA4	37	5500	-	49.5	210	1.45
37	280	1.05	39.02	BG30-../DPE09XA4	37	5800	-	45	230	1.3
34	305	0.98	42.46	BG30-../DPE09XA4	37	5900	-	41	255	1.2
31	335	0.9	47.11	BG30-../DPE09XA4	37	6000	-	37	280	1.05
80	131	3.2	18.19	BG40-../DPE09XA4	51	5600	-	96	109	3.9
73	143	3.0	19.84	BG40-../DPE09XA4	51	5800	-	88	119	3.6
66	159	2.7	22.02	BG40-../DPE09XA4	51	6000	-	80	131	3.2
62	169	2.5	23.43	BG40-../DPE09XA4	51	6200	-	75	140	3.0
56	187	2.3	26.01	BG40-../DPE09XA4	51	6500	-	67	156	2.7
49.5	210	2.0	29.34	BG40-../DPE09XA4	51	6800	-	60	175	2.4

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



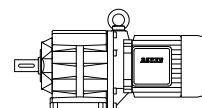
P = 1.1 kW

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
44.5	235	1.8	32.57	BG40-../DPE09XA4	51	7000	-	54	194	2.2
42.5	245	1.75	34.20	BG40-../DPE09XA4	51	7000	-	51	205	2.1
38	275	1.55	37.96	BG40-../DPE09XA4	51	7000	-	46	225	1.9
36	290	1.45	40.19	BG40-../DPE09XA4	51	7000	-	43.5	240	1.75
32.5	320	1.35	44.62	BG40-../DPE09XA4	51	7000	-	39	265	1.6
30	350	1.2	48.36	BG40-../DPE09XA4	51	7000	-	36	290	1.45
27	385	1.1	53.69	BG40-../DPE09XA4	51	7000	-	32.5	320	1.35
24.5	425	1.0	59.64	BG40-../DPE09XA4	51	7000	-	29.5	355	1.2
22	475	0.89	66.20	BG40-../DPE09XA4	51	7000	-	26.5	395	1.1
21.5	485	0.88	67.74	BG40Z-../DPE09XA4	55	7000	-	26	400	1.05
19.5	530	0.8	75.19	BG40Z-../DPE09XA4	55	7000	-	23.5	445	0.96
49	210	3.0	29.62	BG50-../DPE09XA4	59	8000	-	59	178	3.5
44	235	2.7	32.84	BG50-../DPE09XA4	59	8700	-	53	198	3.2
38.5	270	2.3	37.89	BG50-../DPE09XA4	59	10000	-	46	225	2.8
34.5	300	2.1	42.00	BG50-../DPE09XA4	59	10000	-	41.5	250	2.5
31	335	1.9	47.02	BG50-../DPE09XA4	59	10000	-	37.5	280	2.3
28	375	1.7	52.12	BG50-../DPE09XA4	59	10000	-	33.5	310	2.0
24.5	425	1.5	59.42	BG50-../DPE09XA4	59	10000	-	29.5	355	1.75
22	475	1.35	65.86	BG50-../DPE09XA4	59	10000	-	26.5	395	1.6
20.5	510	1.25	71.97	BG50Z-../DPE09XA4	64	10000	-	24.5	425	1.5
18.5	560	1.15	79.78	BG50Z-../DPE09XA4	64	10000	-	22	475	1.35
15.5	670	0.94	95.58	BG50Z-../DPE09XA4	64	10000	-	18.5	560	1.15
14	750	0.84	106.0	BG50Z-../DPE09XA4	64	10000	-	16.5	630	1.0
29	360	3.3	50.31	BG60-../DPE09XA4	90	16000	-	35	300	4.0
26	400	3.0	55.76	BG60-../DPE09XA4	90	16000	-	31.5	330	3.6
24	435	2.8	60.90	BG60-../DPE09XA4	90	16000	-	29	360	3.3
21.5	485	2.5	67.49	BG60-../DPE09XA4	90	16000	-	26	400	3.0
19.5	530	2.3	75.71	BG60Z-../DPE09XA4	109	16000	-	23	455	2.6
16	650	1.85	91.09	BG60Z-../DPE09XA4	109	16000	-	19.5	530	2.3
14.5	720	1.65	101.0	BG60Z-../DPE09XA4	109	16000	-	17.5	600	2.0
12.5	840	1.45	119.2	BG60Z-../DPE09XA4	109	16000	-	15	700	1.7
11	950	1.25	132.1	BG60Z-../DPE09XA4	109	16000	-	13.5	770	1.55
9.2	1140	1.05	158.0	BG60Z-../DPE09XA4	109	16000	-	11.5	910	1.3
8.3	1260	0.95	175.1	BG60Z-../DPE09XA4	109	16000	-	10	1050	1.15
7.1	1470	0.82	204.6	BG60Z-../DPE09XA4	109	16000	-	8.6	1220	0.98
13	800	2.9	113.6	BG70Z-../DPE09XA4	149	20000	-	15.5	670	3.4
12	870	2.6	124.0	BG70Z-../DPE09XA4	149	20000	-	14.5	720	3.2
9.8	1070	2.1	147.2	BG70Z-../DPE09XA4	149	20000	-	12	870	2.6
8.8	1190	1.95	163.8	BG70Z-../DPE09XA4	149	20000	-	11	950	2.4
7.5	1400	1.65	194.4	BG70Z-../DPE09XA4	149	20000	-	9.0	1160	2.0
6.9	1520	1.5	210.5	BG70Z-../DPE09XA4	149	20000	-	8.3	1260	1.85
5.8	1810	1.25	249.8	BG70Z-../DPE09XA4	149	20000	-	7.0	1500	1.55
5.7	1730	1.45	255.5	BG70G20-../DPE09XA4	146	20000	-	6.9	1410	1.75
5.3	1860	1.35	276.7	BG70G20-../DPE09XA4	146	20000	-	6.3	1550	1.6
4.4	2200	1.15	328.4	BG70G20-../DPE09XA4	146	20000	-	5.3	1840	1.35
3.8	2600	0.96	387.6	BG70G20-../DPE09XA4	146	20000	-	4.5	2150	1.15
3.5	2850	0.88	417.8	BG70G20-../DPE09XA4	146	20000	-	4.2	2350	1.05
7.8	1340	3.1	186.8	BG80Z-../DPE09XA4	217	26000	-	9.4	1110	3.8
7.0	1500	2.8	207.4	BG80Z-../DPE09XA4	217	26000	-	8.4	1250	3.4
5.8	1500	3.1	252.3	BG80G40-../DPE09XA4	228	26000	-	6.9	1210	3.8
5.1	1750	2.6	282.8	BG80G40-../DPE09XA4	228	26000	-	6.2	1380	3.3
4.6	1940	2.4	314.0	BG80G40-../DPE09XA4	228	26000	-	5.6	1530	3.0
4.0	2250	2.0	360.0	BG80G40-../DPE09XA4	228	26000	-	4.9	1800	2.6

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

BG-series helical-geared motors

Selection helical-geared motors



P = 1.1 kW

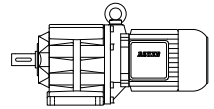
50 Hz			i	Type	m	F _{RN}	F _{RV}	60 Hz		
n ₂ 1/min	M ₂ Nm	f _B						n ₂ 1/min	M ₂ Nm	f _B
3.7	2450	1.9	399.8	BG80G40-../DPE09XA4	228	26000	-	4.4	2000	2.3
3.4	2750	1.65	436.2	BG80G40-../DPE09XA4	228	26000	-	4.0	2250	2.0
3.0	3100	1.5	484.3	BG80G40-../DPE09XA4	228	26000	-	3.6	2500	1.85
2.6	3650	1.25	572.0	BG80G40-../DPE09XA4	228	26000	-	3.1	3000	1.55
2.2	4250	1.1	657.8	BG80G40-../DPE09XA4	228	26000	-	2.7	3400	1.35
2.0	4750	0.97	730.3	BG80G40-../DPE09XA4	228	26000	-	2.4	3850	1.2
1.8	5300	0.87	817.4	BG80G40-../DPE09XA4	228	26000	-	2.2	4250	1.1
2.9	3100	3.0	504.7	BG90G50-../DPE09XA4	338	65000	-	3.5	2500	3.7
2.5	3600	2.6	588.8	BG90G50-../DPE09XA4	338	65000	-	3.0	2900	3.2
2.3	3950	2.3	644.7	BG90G50-../DPE09XA4	338	65000	-	2.7	3250	2.8
2.1	4350	2.1	714.2	BG90G50-../DPE09XA4	338	65000	-	2.5	3550	2.6
1.7	5500	1.65	883.7	BG90G50-../DPE09XA4	338	65000	-	2.0	4550	2.0
1.3	7400	1.25	1174	BG90G50-../DPE09XA4	338	65000	-	1.5	6300	1.45
1.2	8000	1.15	1301	BG90G50-../DPE09XA4	338	65000	-	1.4	6800	1.35
1.8	5800	3.2	845.1	BG100Z-../DPE09XA4	526	90000	-	2.1	5000	3.7
1.4	6100	3.0	1043	BG100G50-../DPE09XA4	525	90000	-	1.7	4750	3.9
1.2	7100	2.6	1204	BG100G50-../DPE09XA4	525	90000	-	1.5	5300	3.5
1.0	9100	2.0	1444	BG100G50-../DPE09XA4	525	90000	-	1.3	6700	2.8
0.9	10000	1.85	1678	BG100G50-../DPE09XA4	525	90000	-	1.1	7900	2.3
0.8	11300	1.65	1867	BG100G50-../DPE09XA4	525	90000	-	0.95	9200	2.0
0.7	12900	1.45	2154	BG100G50-../DPE09XA4	525	90000	-	0.85	10300	1.8
0.55	16700	1.1	2656	BG100G50-../DPE09XA4	525	90000	-	0.7	12600	1.45

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
580	24.5	2.3	2.52	BG10-../DPE09XB4	30	570	790	700	20	2.8
425	33.5	1.85	3.42	BG10-../DPE09XB4	30	630	880	510	28	2.2
335	42.5	1.6	4.36	BG10-../DPE09XB4	30	650	910	400	35.5	1.9
270	53	1.4	5.34	BG10-../DPE09XB4	30	620	910	330	43	1.75
215	66	1.25	6.78	BG10-../DPE09XB4	30	660	920	260	55	1.45
210	68	1.3	6.89	BG10-../DPE09XB4	30	850	1200	255	56	1.55
189	75	1.2	7.63	BG10-../DPE09XB4	30	900	1250	230	62	1.45
179	80	1.1	8.07	BG10-../DPE09XB4	30	660	920	220	65	1.35
155	92	1.05	9.33	BG10-../DPE09XB4	30	950	1330	187	76	1.3
140	102	0.97	10.34	BG10-../DPE09XB4	30	1000	1400	169	84	1.2
121	118	0.89	11.92	BG10-../DPE09XB4	30	1030	1440	146	98	1.05
110	130	0.85	13.21	BG10-../DPE09XB4	30	1070	1490	132	108	1.0
435	32.5	2.8	3.33	BG20-../DPE09XB4	32	1830	-	530	27	3.4
330	43	2.4	4.38	BG20-../DPE09XB4	32	1990	-	400	35.5	2.9
265	54	2.1	5.49	BG20-../DPE09XB4	32	2100	-	320	44.5	2.6
240	59	2.1	6.06	BG20-../DPE09XB4	32	2250	-	290	49	2.6
225	63	1.95	6.48	BG20-../DPE09XB4	32	2250	-	270	53	2.3
215	66	1.95	6.73	BG20-../DPE09XB4	32	2350	2100	260	55	2.4
180	79	1.75	8.02	BG20-../DPE09XB4	32	2500	-	220	65	2.1
174	82	1.5	8.29	BG20-../DPE09XB4	32	2250	-	210	68	1.8
162	88	1.65	8.91	BG20-../DPE09XB4	32	2600	-	196	73	1.95
150	95	1.3	9.65	BG20-../DPE09XB4	32	2250	-	181	79	1.55
137	104	1.5	10.54	BG20-../DPE09XB4	32	2700	-	166	86	1.8
123	116	1.35	11.71	BG20-../DPE09XB4	32	2800	-	149	96	1.65
110	130	1.3	13.21	BG20-../DPE09XB4	32	2900	-	132	108	1.55

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

P = 1.5 kW



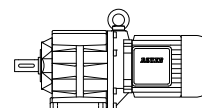
50 Hz			i	Type	m	F _{RN}	F _{RV}	60 Hz		
n ₂ 1/min	M ₂ Nm	f _B						n ₂ 1/min	M ₂ Nm	f _B
99	144	1.2	14.67	BG20-../DPE09XB4	32	3050	-	119	120	1.45
93	154	1.15	15.58	BG20-../DPE09XB4	32	3100	-	112	127	1.4
84	170	1.1	17.31	BG20-../DPE09XB4	32	3200	-	101	141	1.3
73	196	0.99	19.95	BG20-../DPE09XB4	32	3350	-	88	162	1.2
65	220	0.91	22.16	BG20-../DPE09XB4	32	3500	-	79	181	1.1
63	225	0.89	23.22	BG20-../DPE09XB4	32	3550	-	75	191	1.05
215	66	3.3	6.75	BG30-../DPE09XB4	37	1760	-	260	55	3.9
192	74	3.1	7.50	BG30-../DPE09XB4	37	2750	-	235	60	3.9
183	78	2.8	7.91	BG30-../DPE09XB4	37	1760	-	220	65	3.3
168	85	2.9	8.60	BG30-../DPE09XB4	37	2800	-	205	69	3.6
151	94	2.7	9.55	BG30-../DPE09XB4	37	3000	-	183	78	3.3
136	105	2.5	10.65	BG30-../DPE09XB4	37	2950	-	164	87	3.1
122	117	2.3	11.82	BG30-../DPE09XB4	37	3200	-	148	96	2.9
105	136	2.2	13.77	BG30-../DPE09XB4	37	3150	-	127	112	2.6
95	150	2.0	15.27	BG30-../DPE09XB4	37	3450	-	114	125	2.4
85	168	1.8	17.06	BG30-../DPE09XB4	37	3700	-	102	140	2.1
77	186	1.6	18.93	BG30-../DPE09XB4	37	4100	-	92	155	1.95
73	196	1.55	19.99	BG30-../DPE09XB4	37	4200	-	88	162	1.85
65	220	1.35	22.18	BG30-../DPE09XB4	37	4600	-	79	181	1.65
57	250	1.2	25.45	BG30-../DPE09XB4	37	4850	-	69	205	1.45
51	280	1.05	28.24	BG30-../DPE09XB4	37	5100	-	62	230	1.3
48.5	295	1.0	29.83	BG30-../DPE09XB4	37	5200	-	59	240	1.25
44	325	0.92	33.09	BG30-../DPE09XB4	37	5400	-	53	270	1.1
41	345	0.87	35.17	BG30-../DPE09XB4	37	5500	-	49.5	285	1.05
160	89	3.3	9.00	BG40-../DPE09XB4	51	2650	-	194	73	4.0
112	127	3.2	12.86	BG40-../DPE09XB4	51	4500	-	136	105	3.9
101	141	3.0	14.28	BG40-../DPE09XB4	51	4900	-	122	117	3.6
88	162	2.6	16.39	BG40-../DPE09XB4	51	5300	-	107	133	3.2
80	179	2.4	18.19	BG40-../DPE09XB4	51	5600	-	96	149	2.9
73	196	2.2	19.84	BG40-../DPE09XB4	51	5800	-	88	162	2.6
66	215	2.0	22.02	BG40-../DPE09XB4	51	6000	-	80	179	2.4
62	230	1.85	23.43	BG40-../DPE09XB4	51	6200	-	75	191	2.2
56	255	1.65	26.01	BG40-../DPE09XB4	51	6500	-	67	210	2.0
49.5	285	1.5	29.34	BG40-../DPE09XB4	51	6800	-	60	235	1.8
44.5	320	1.35	32.57	BG40-../DPE09XB4	51	7000	-	54	265	1.6
42.5	335	1.25	34.20	BG40-../DPE09XB4	51	7000	-	51	280	1.5
38	375	1.15	37.96	BG40-../DPE09XB4	51	7000	-	46	310	1.35
36	395	1.1	40.19	BG40-../DPE09XB4	51	7000	-	43.5	325	1.3
32.5	440	0.97	44.62	BG40-../DPE09XB4	51	7000	-	39	365	1.15
30	475	0.89	48.36	BG40-../DPE09XB4	51	7000	-	36	395	1.1
27	530	0.8	53.69	BG40-../DPE09XB4	51	7000	-	32.5	440	0.97
66	215	2.9	21.96	BG50-../DPE09XB4	59	8000	-	80	179	3.5
60	235	2.7	24.34	BG50-../DPE09XB4	59	8700	-	72	198	3.2
49	290	2.2	29.62	BG50-../DPE09XB4	59	8000	-	59	240	2.6
44	325	1.95	32.84	BG50-../DPE09XB4	59	8700	-	53	270	2.3
38.5	370	1.7	37.89	BG50-../DPE09XB4	59	10000	-	46	310	2.0
34.5	415	1.5	42.00	BG50-../DPE09XB4	59	10000	-	41.5	345	1.85
31	460	1.35	47.02	BG50-../DPE09XB4	59	10000	-	37.5	380	1.65
28	510	1.25	52.12	BG50-../DPE09XB4	59	10000	-	33.5	425	1.5
24.5	580	1.1	59.42	BG50-../DPE09XB4	59	10000	-	29.5	485	1.3
22	650	0.97	65.86	BG50-../DPE09XB4	59	10000	-	26.5	540	1.15
20.5	690	0.91	71.97	BG50Z-../DPE09XB4	64	10000	-	24.5	580	1.1
18.5	770	0.82	79.78	BG50Z-../DPE09XB4	64	10000	-	22	650	0.97
37.5	380	3.2	38.85	BG60-../DPE09XB4	90	16000	-	45	315	3.8
33.5	425	2.8	43.05	BG60-../DPE09XB4	90	16000	-	40.5	350	3.4
29	490	2.4	50.31	BG60-../DPE09XB4	90	16000	-	35	405	3.0
26	550	2.2	55.76	BG60-../DPE09XB4	90	16000	-	31.5	450	2.7

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

BG-series helical-geared motors

Selection helical-geared motors

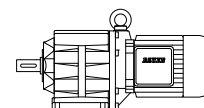
P = 1.5 kW



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
24	590	2.0	60.90	BG60-../DPE09XB4	90	16000	-	29	490	2.4
21.5	660	1.8	67.49	BG60-../DPE09XB4	90	16000	-	26	550	2.2
19.5	730	1.65	75.71	BG60Z-../DPE09XB4	109	16000	-	23	620	1.95
16	890	1.35	91.09	BG60Z-../DPE09XB4	109	16000	-	19.5	730	1.65
14.5	980	1.2	101.0	BG60Z-../DPE09XB4	109	16000	-	17.5	810	1.5
12.5	1140	1.05	119.2	BG60Z-../DPE09XB4	109	16000	-	15	950	1.25
11	1300	0.92	132.1	BG60Z-../DPE09XB4	109	16000	-	13.5	1060	1.15
20	710	3.2	73.82	BG70Z-../DPE09XB4	149	20000	-	24	590	3.9
16.5	860	2.7	87.61	BG70Z-../DPE09XB4	149	20000	-	20	710	3.2
15.5	920	2.5	95.74	BG70Z-../DPE09XB4	149	20000	-	18.5	770	3.0
13	1100	2.1	113.6	BG70Z-../DPE09XB4	149	20000	-	15.5	920	2.5
12	1190	1.95	124.0	BG70Z-../DPE09XB4	149	20000	-	14.5	980	2.3
9.8	1460	1.6	147.2	BG70Z-../DPE09XB4	149	20000	-	12	1190	1.95
8.8	1620	1.4	163.8	BG70Z-../DPE09XB4	149	20000	-	11	1300	1.75
7.5	1910	1.2	194.4	BG70Z-../DPE09XB4	149	20000	-	9.0	1590	1.45
6.9	2050	1.1	210.5	BG70Z-../DPE09XB4	149	20000	-	8.3	1720	1.35
5.8	2450	0.94	249.8	BG70Z-../DPE09XB4	149	20000	-	7.0	2000	1.15
5.7	2400	1.05	255.5	BG70G20-../DPE09XB4	146	20000	-	6.9	1960	1.3
5.3	2550	0.98	276.7	BG70G20-../DPE09XB4	146	20000	-	6.3	2150	1.15
4.4	3100	0.81	328.4	BG70G20-../DPE09XB4	146	20000	-	5.3	2550	0.98
10	1430	2.9	145.4	BG80Z-../DPE09XB4	217	26000	-	12	1190	3.5
9.0	1590	2.6	161.5	BG80Z-../DPE09XB4	217	26000	-	11	1300	3.2
7.8	1830	2.3	186.8	BG80Z-../DPE09XB4	217	26000	-	9.4	1520	2.8
7.0	2000	2.1	207.4	BG80Z-../DPE09XB4	217	26000	-	8.4	1700	2.5
6.4	1950	2.4	227.2	BG80G40-../DPE09XB4	228	26000	-	7.7	1580	2.9
5.8	2150	2.1	252.3	BG80G40-../DPE09XB4	228	26000	-	6.9	1760	2.6
5.1	2500	1.85	282.8	BG80G40-../DPE09XB4	228	26000	-	6.2	2000	2.3
4.6	2750	1.65	314.0	BG80G40-../DPE09XB4	228	26000	-	5.6	2200	2.1
4.0	3200	1.45	360.0	BG80G40-../DPE09XB4	228	26000	-	4.9	2550	1.8
3.7	3450	1.35	399.8	BG80G40-../DPE09XB4	228	26000	-	4.4	2850	1.6
3.4	3850	1.2	436.2	BG80G40-../DPE09XB4	228	26000	-	4.0	3200	1.45
3.0	4350	1.05	484.3	BG80G40-../DPE09XB4	228	26000	-	3.6	3600	1.3
2.6	5100	0.9	572.0	BG80G40-../DPE09XB4	228	26000	-	3.1	4200	1.1
4.0	3100	3.0	360.3	BG90G50-../DPE09XB4	338	65000	-	4.9	2400	3.8
3.4	3800	2.4	435.8	BG90G50-../DPE09XB4	338	65000	-	4.0	3150	2.9
2.9	4450	2.1	504.7	BG90G50-../DPE09XB4	338	65000	-	3.5	3600	2.6
2.5	5100	1.8	588.8	BG90G50-../DPE09XB4	338	65000	-	3.0	4200	2.2
2.3	5600	1.65	644.7	BG90G50-../DPE09XB4	338	65000	-	2.7	4650	2.0
2.1	6100	1.5	714.2	BG90G50-../DPE09XB4	338	65000	-	2.5	5000	1.85
1.7	7700	1.2	883.7	BG90G50-../DPE09XB4	338	65000	-	2.0	6400	1.45
1.3	10300	0.89	1174	BG90G50-../DPE09XB4	338	65000	-	1.5	8800	1.05
1.2	11200	0.82	1301	BG90G50-../DPE09XB4	338	65000	-	1.4	9500	0.97
2.5	5700	3.2	591.1	BG100Z-../DPE09XB4	526	90000	-	3.0	4750	3.9
2.2	6500	2.8	658.1	BG100Z-../DPE09XB4	526	90000	-	2.7	5300	3.5
1.9	7500	2.5	759.0	BG100Z-../DPE09XB4	526	90000	-	2.3	6200	3.0
1.8	7900	2.3	845.1	BG100Z-../DPE09XB4	526	90000	-	2.1	6800	2.7
1.5	7900	2.3	976.1	BG100G50-../DPE09XB4	525	90000	-	1.8	6300	2.9
1.4	8800	2.1	1043	BG100G50-../DPE09XB4	525	90000	-	1.7	7000	2.6
1.2	10300	1.8	1204	BG100G50-../DPE09XB4	525	90000	-	1.5	7900	2.3
1.0	12900	1.45	1444	BG100G50-../DPE09XB4	525	90000	-	1.3	9600	1.95
0.9	14300	1.3	1678	BG100G50-../DPE09XB4	525	90000	-	1.1	11400	1.6
0.8	16100	1.15	1867	BG100G50-../DPE09XB4	525	90000	-	0.95	13200	1.4
0.7	18400	1.0	2154	BG100G50-../DPE09XB4	525	90000	-	0.85	14700	1.25

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

P = 2.2 kW

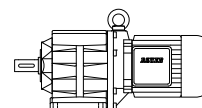


50 Hz			i	Type	m	F _{RN}	F _{RV}	60 Hz		
n ₂ 1/min	M ₂ Nm	f _B						n ₂ 1/min	M ₂ Nm	f _B
580	36	1.55	2.52	BG10-../DPE09XB4C	32	570	790	700	30	1.85
425	49	1.25	3.42	BG10-../DPE09XB4C	32	630	880	510	41	1.5
335	62	1.1	4.36	BG10-../DPE09XB4C	32	650	910	400	52	1.3
275	76	0.99	5.34	BG10-../DPE09XB4C	32	620	910	330	63	1.2
215	97	0.91	6.89	BG10-../DPE09XB4C	32	850	1200	255	82	1.05
191	110	0.81	7.63	BG10-../DPE09XB4C	32	900	1250	230	91	0.98
580	36	2.3	2.52	BG20-../DPE09XB4C	35	1650	-	700	30	2.8
440	47.5	1.95	3.33	BG20-../DPE09XB4C	35	1830	-	530	39.5	2.3
335	62	1.7	4.38	BG20-../DPE09XB4C	35	1990	-	400	52	2.0
265	79	1.45	5.49	BG20-../DPE09XB4C	35	2100	-	320	65	1.75
240	87	1.45	6.06	BG20-../DPE09XB4C	35	2250	-	290	72	1.75
225	93	1.3	6.48	BG20-../DPE09XB4C	35	2250	-	270	77	1.6
220	95	1.35	6.73	BG20-../DPE09XB4C	35	2350	2100	260	80	1.65
181	116	1.2	8.02	BG20-../DPE09XB4C	35	2500	-	220	95	1.45
175	120	1.0	8.29	BG20-../DPE09XB4C	35	2250	-	210	100	1.2
163	128	1.1	8.91	BG20-../DPE09XB4C	35	2600	-	196	107	1.35
151	139	0.88	9.65	BG20-../DPE09XB4C	35	2250	-	181	116	1.05
138	152	1.0	10.54	BG20-../DPE09XB4C	35	2700	-	166	126	1.2
124	169	0.93	11.71	BG20-../DPE09XB4C	35	2800	-	149	141	1.1
110	191	0.87	13.21	BG20-../DPE09XB4C	35	2900	-	132	159	1.05
99	210	0.82	14.67	BG20-../DPE09XB4C	35	3050	-	119	176	0.98
94	220	0.8	15.58	BG20-../DPE09XB4C	35	3100	-	112	187	0.95
430	48.5	2.9	3.40	BG30-../DPE09XB4C	39	1580	-	520	40	3.5
345	60	2.9	4.21	BG30-../DPE09XB4C	39	1630	-	415	50	3.4
270	77	2.6	5.44	BG30-../DPE09XB4C	39	1670	-	320	65	3.1
215	97	2.3	6.76	BG30-../DPE09XB4C	39	2550	-	260	80	2.8
194	108	2.1	7.50	BG30-../DPE09XB4C	39	2750	-	235	89	2.6
184	114	1.9	7.91	BG30-../DPE09XB4C	39	1760	-	220	95	2.3
169	124	2.0	8.60	BG30-../DPE09XB4C	39	2800	-	205	102	2.4
152	138	1.85	9.55	BG30-../DPE09XB4C	39	3000	-	183	114	2.2
137	153	1.75	10.65	BG30-../DPE09XB4C	39	2950	-	164	128	2.1
123	170	1.6	11.82	BG30-../DPE09XB4C	39	3200	-	148	141	1.95
106	198	1.5	13.77	BG30-../DPE09XB4C	39	3150	-	127	165	1.8
95	220	1.35	15.27	BG30-../DPE09XB4C	39	3450	-	114	184	1.65
85	245	1.2	17.06	BG30-../DPE09XB4C	39	3700	-	102	205	1.45
77	270	1.1	18.93	BG30-../DPE09XB4C	39	4100	-	92	225	1.35
73	285	1.05	19.99	BG30-../DPE09XB4C	39	4200	-	88	235	1.3
66	315	0.95	22.18	BG30-../DPE09XB4C	39	4600	-	79	265	1.15
57	365	0.82	25.45	BG30-../DPE09XB4C	39	4850	-	69	300	1.0
235	89	3.3	6.29	BG40-../DPE09XB4C	54	2600	-	280	75	3.9
205	102	3.2	7.11	BG40-../DPE09XB4C	54	3950	-	245	85	3.8
191	110	2.7	7.62	BG40-../DPE09XB4C	54	2650	-	230	91	3.2
175	120	2.9	8.31	BG40-../DPE09XB4C	54	4100	-	210	100	3.4
162	129	2.3	9.00	BG40-../DPE09XB4C	54	2650	-	194	108	2.7
158	132	2.7	9.23	BG40-../DPE09XB4C	54	4350	-	189	111	3.2
141	149	2.5	10.35	BG40-../DPE09XB4C	54	4350	-	169	124	3.0
127	165	2.4	11.49	BG40-../DPE09XB4C	54	4600	-	152	138	2.8
113	185	2.2	12.86	BG40-../DPE09XB4C	54	4500	-	136	154	2.7
102	205	2.1	14.28	BG40-../DPE09XB4C	54	4900	-	122	172	2.4
89	235	1.8	16.39	BG40-../DPE09XB4C	54	5300	-	107	196	2.2
80	260	1.65	18.19	BG40-../DPE09XB4C	54	5600	-	96	215	2.0
74	280	1.5	19.84	BG40-../DPE09XB4C	54	5800	-	88	235	1.8
66	315	1.35	22.02	BG40-../DPE09XB4C	54	6000	-	80	260	1.65
62	335	1.25	23.43	BG40-../DPE09XB4C	54	6200	-	75	280	1.5
56	375	1.15	26.01	BG40-../DPE09XB4C	54	6500	-	67	310	1.35
49.5	420	1.0	29.34	BG40-../DPE09XB4C	54	6800	-	60	350	1.2
45	465	0.91	32.57	BG40-../DPE09XB4C	54	7000	-	54	385	1.1
42.5	490	0.87	34.20	BG40-../DPE09XB4C	54	7000	-	51	410	1.05

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

BG-series helical-geared motors

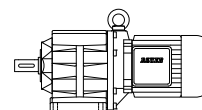
Selection helical-geared motors



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
121	173	3.3	12.06	BG50-../DPE09XB4C	62	5700	-	145	144	4.0
109	192	3.1	13.36	BG50-../DPE09XB4C	62	6100	-	131	160	3.7
88	235	2.7	16.53	BG50-../DPE09XB4C	62	6500	-	106	198	3.2
80	260	2.4	18.33	BG50-../DPE09XB4C	62	7200	-	95	220	2.9
67	310	2.0	21.96	BG50-../DPE09XB4C	62	8000	-	80	260	2.4
60	350	1.8	24.34	BG50-../DPE09XB4C	62	8700	-	72	290	2.2
49	425	1.5	29.62	BG50-../DPE09XB4C	62	8000	-	59	355	1.75
44.5	470	1.35	32.84	BG50-../DPE09XB4C	62	8700	-	53	395	1.6
38.5	540	1.15	37.89	BG50-../DPE09XB4C	62	10000	-	46	455	1.4
35	600	1.05	42.00	BG50-../DPE09XB4C	62	10000	-	41.5	500	1.25
31	670	0.94	47.02	BG50-../DPE09XB4C	62	10000	-	37.5	560	1.15
28	750	0.84	52.12	BG50-../DPE09XB4C	62	10000	-	33.5	620	1.0
49.5	420	2.9	29.31	BG60-../DPE09XB4C	92	14800	-	60	350	3.4
45	465	2.6	32.48	BG60-../DPE09XB4C	92	15400	-	54	385	3.1
37.5	560	2.1	38.85	BG60-../DPE09XB4C	92	16000	-	45	465	2.6
34	610	1.95	43.05	BG60-../DPE09XB4C	92	16000	-	40.5	510	2.4
29	720	1.65	50.31	BG60-../DPE09XB4C	92	16000	-	35	600	2.0
26.5	790	1.5	55.76	BG60-../DPE09XB4C	92	16000	-	31.5	660	1.8
24	870	1.4	60.90	BG60-../DPE09XB4C	92	16000	-	29	720	1.65
21.5	970	1.25	67.49	BG60-../DPE09XB4C	92	16000	-	26	800	1.5
19.5	1070	1.1	75.71	BG60Z-../DPE09XB4C	112	16000	-	23	910	1.3
16	1310	0.92	91.09	BG60Z-../DPE09XB4C	112	16000	-	19.5	1070	1.1
14.5	1440	0.83	101.0	BG60Z-../DPE09XB4C	112	16000	-	17.5	1200	1.0
29	720	3.2	50.40	BG70-../DPE09XB4C	130	20000	-	35	600	3.8
24.5	850	2.7	59.82	BG70-../DPE09XB4C	130	20000	-	29.5	710	3.2
22.5	930	2.5	64.85	BG70Z-../DPE09XB4C	151	20000	-	27	770	3.0
20	1050	2.2	73.82	BG70Z-../DPE09XB4C	151	20000	-	24	870	2.6
17	1230	1.85	87.61	BG70Z-../DPE09XB4C	151	20000	-	20	1050	2.2
15.5	1350	1.7	95.74	BG70Z-../DPE09XB4C	151	20000	-	18.5	1130	2.0
13	1610	1.45	113.6	BG70Z-../DPE09XB4C	151	20000	-	15.5	1350	1.7
12	1750	1.3	124.0	BG70Z-../DPE09XB4C	151	20000	-	14.5	1440	1.6
9.9	2100	1.1	147.2	BG70Z-../DPE09XB4C	151	20000	-	12	1750	1.3
8.9	2350	0.98	163.8	BG70Z-../DPE09XB4C	151	20000	-	11	1910	1.2
7.5	2800	0.82	194.4	BG70Z-../DPE09XB4C	151	20000	-	9.0	2300	1.0
15.5	1350	3.1	93.89	BG80Z-../DPE09XB4C	219	26000	-	19	1100	3.8
13	1610	2.6	112.4	BG80Z-../DPE09XB4C	219	26000	-	15.5	1350	3.1
12	1750	2.4	124.8	BG80Z-../DPE09XB4C	219	26000	-	14	1500	2.8
10	2100	2.0	145.4	BG80Z-../DPE09XB4C	219	26000	-	12	1750	2.4
9.0	2300	1.85	161.5	BG80Z-../DPE09XB4C	219	26000	-	11	1910	2.2
7.8	2650	1.6	186.8	BG80Z-../DPE09XB4C	219	26000	-	9.4	2200	1.9
7.0	3000	1.4	207.4	BG80Z-../DPE09XB4C	219	26000	-	8.4	2500	1.7
6.4	3000	1.55	227.2	BG80G40-../DPE09XB4C	231	26000	-	7.7	2400	1.9
5.8	3300	1.4	252.3	BG80G40-../DPE09XB4C	231	26000	-	6.9	2700	1.7
5.2	3700	1.25	282.8	BG80G40-../DPE09XB4C	231	26000	-	6.2	3050	1.5
4.7	4100	1.1	314.0	BG80G40-../DPE09XB4C	231	26000	-	5.6	3400	1.35
4.1	4750	0.97	360.0	BG80G40-../DPE09XB4C	231	26000	-	4.9	3950	1.15
3.7	5300	0.87	399.8	BG80G40-../DPE09XB4C	231	26000	-	4.4	4350	1.05
8.2	2550	3.3	178.5	BG90Z-../DPE09XB4C	329	65000	-	9.8	2100	4.0
7.0	3000	2.8	208.3	BG90Z-../DPE09XB4C	329	65000	-	8.4	2500	3.4
6.4	3250	2.6	228.1	BG90Z-../DPE09XB4C	329	65000	-	7.7	2700	3.1
5.6	3300	2.8	262.5	BG90G50-../DPE09XB4C	340	65000	-	6.7	2700	3.4
4.9	4000	2.3	298.8	BG90G50-../DPE09XB4C	340	65000	-	5.9	3250	2.8
4.1	4600	2.0	360.3	BG90G50-../DPE09XB4C	340	65000	-	4.9	3800	2.4
3.4	5700	1.6	435.8	BG90G50-../DPE09XB4C	340	65000	-	4.0	4850	1.9

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
2.9	6700	1.35	504.7	BG90G50-../DPE09XB4C	340	65000	-	3.5	5500	1.65
2.5	7800	1.2	588.8	BG90G50-../DPE09XB4C	340	65000	-	3.0	6400	1.45
2.3	8500	1.1	644.7	BG90G50-../DPE09XB4C	340	65000	-	2.7	7100	1.3
2.1	9300	0.99	714.2	BG90G50-../DPE09XB4C	340	65000	-	2.5	7700	1.2
3.2	6500	2.8	456.7	BG100Z-../DPE09XB4C	528	90000	-	3.9	5300	3.5
2.9	7200	2.6	508.5	BG100Z-../DPE09XB4C	528	90000	-	3.5	6000	3.1
2.5	8400	2.2	591.1	BG100Z-../DPE09XB4C	528	90000	-	3.0	7000	2.6
2.3	9100	2.0	658.1	BG100Z-../DPE09XB4C	528	90000	-	2.7	7700	2.4
2.0	10500	1.75	759.0	BG100Z-../DPE09XB4C	528	90000	-	2.3	9100	2.0
1.8	11600	1.6	845.1	BG100Z-../DPE09XB4C	528	90000	-	2.1	10000	1.85
1.5	12400	1.5	976.1	BG100G50-../DPE09XB4C	527	90000	-	1.8	10000	1.85
1.4	13600	1.35	1043	BG100G50-../DPE09XB4C	527	90000	-	1.7	10900	1.7
1.3	14500	1.3	1204	BG100G50-../DPE09XB4C	527	90000	-	1.5	12300	1.5
1.1	17700	1.05	1444	BG100G50-../DPE09XB4C	527	90000	-	1.3	14700	1.25

P = 3 kW

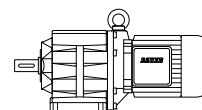
50 Hz			i	Type	m	F _{RN}	F _{RV}	60 Hz		
n ₂ 1/min	M ₂ Nm	f _B						n ₂ 1/min	M ₂ Nm	f _B
550	52	2.5	2.67	BG30-../DPE11LA4	58	1450	-	660	43	3.0
430	66	2.1	3.40	BG30-../DPE11LA4	58	1580	-	520	55	2.5
345	83	2.1	4.21	BG30-../DPE11LA4	58	1630	-	415	69	2.5
270	106	1.9	5.44	BG30-../DPE11LA4	58	1670	-	320	89	2.2
215	133	1.7	6.76	BG30-../DPE11LA4	58	2550	-	260	110	2.1
194	147	1.55	7.50	BG30-../DPE11LA4	58	2750	-	235	121	1.9
184	155	1.4	7.91	BG30-../DPE11LA4	58	1760	-	220	130	1.65
169	169	1.45	8.60	BG30-../DPE11LA4	58	2800	-	205	139	1.75
152	188	1.35	9.55	BG30-../DPE11LA4	58	3000	-	183	156	1.65
137	205	1.3	10.65	BG30-../DPE11LA4	58	2950	-	164	174	1.55
123	230	1.2	11.82	BG30-../DPE11LA4	58	3200	-	148	193	1.4
106	270	1.1	13.77	BG30-../DPE11LA4	58	3150	-	127	225	1.3
95	300	1.0	15.27	BG30-../DPE11LA4	58	3450	-	114	250	1.2
85	335	0.9	17.06	BG30-../DPE11LA4	58	3700	-	102	280	1.05
77	370	0.81	18.93	BG30-../DPE11LA4	58	4100	-	92	310	0.97
370	77	3.2	3.97	BG40-../DPE11LA4	77	2400	-	440	65	3.8
295	97	2.8	4.94	BG40-../DPE11LA4	77	2450	-	355	80	3.4
235	121	2.4	6.29	BG40-../DPE11LA4	77	2600	-	280	102	2.9
230	124	2.5	6.40	BG40-../DPE11LA4	77	3750	-	275	104	3.0
205	139	2.3	7.11	BG40-../DPE11LA4	77	3950	-	245	116	2.8
191	150	1.95	7.62	BG40-../DPE11LA4	77	2650	-	230	124	2.4
175	163	2.1	8.31	BG40-../DPE11LA4	77	4100	-	210	136	2.5
162	176	1.7	9.00	BG40-../DPE11LA4	77	2650	-	194	147	2.0
158	181	1.95	9.23	BG40-../DPE11LA4	77	4350	-	189	151	2.4
141	200	1.9	10.35	BG40-../DPE11LA4	77	4350	-	169	169	2.2
127	225	1.75	11.49	BG40-../DPE11LA4	77	4600	-	152	188	2.1
113	250	1.65	12.86	BG40-../DPE11LA4	77	4500	-	136	210	1.95
102	280	1.5	14.28	BG40-../DPE11LA4	77	4900	-	122	230	1.85
89	320	1.35	16.39	BG40-../DPE11LA4	77	5300	-	107	265	1.6
80	355	1.2	18.19	BG40-../DPE11LA4	77	5600	-	96	295	1.45
74	385	1.1	19.84	BG40-../DPE11LA4	77	5800	-	88	325	1.3
66	430	0.99	22.02	BG40-../DPE11LA4	77	6000	-	80	355	1.2
62	460	0.92	23.43	BG40-../DPE11LA4	77	6200	-	75	380	1.1
56	510	0.83	26.01	BG40-../DPE11LA4	77	6500	-	67	425	1.0

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

BG-series helical-geared motors

Selection helical-geared motors

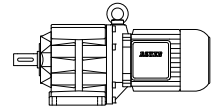
P = 3 kW



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
167	171	3.0	8.70	BG50-../DPE11LA4	86	5300	-	200	143	3.6
151	189	2.8	9.65	BG50-../DPE11LA4	86	5600	-	181	158	3.3
121	235	2.5	12.06	BG50-../DPE11LA4	86	5700	-	145	197	2.9
109	260	2.3	13.36	BG50-../DPE11LA4	86	6100	-	131	215	2.8
88	325	1.95	16.53	BG50-../DPE11LA4	86	6500	-	106	270	2.3
80	355	1.75	18.33	BG50-../DPE11LA4	86	7200	-	95	300	2.1
67	425	1.5	21.96	BG50-../DPE11LA4	86	8000	-	80	355	1.75
60	475	1.35	24.34	BG50-../DPE11LA4	86	8700	-	72	395	1.6
49	580	1.1	29.62	BG50-../DPE11LA4	86	8000	-	59	485	1.3
44.5	640	0.98	32.84	BG50-../DPE11LA4	86	8700	-	53	540	1.15
38.5	740	0.85	37.89	BG50-../DPE11LA4	86	10000	-	46	620	1.0
78	365	3.1	18.62	BG60-../DPE11LA4	119	12400	-	94	300	3.8
65	440	2.7	22.40	BG60-../DPE11LA4	119	13300	-	78	365	3.3
59	485	2.5	24.82	BG60-../DPE11LA4	119	13800	-	71	400	3.0
49.5	570	2.1	29.31	BG60-../DPE11LA4	119	14800	-	60	475	2.5
45	630	1.9	32.48	BG60-../DPE11LA4	119	15400	-	54	530	2.3
37.5	760	1.6	38.85	BG60-../DPE11LA4	119	16000	-	45	630	1.9
34	840	1.45	43.05	BG60-../DPE11LA4	119	16000	-	40.5	700	1.7
29	980	1.2	50.31	BG60-../DPE11LA4	119	16000	-	35	810	1.5
26.5	1080	1.1	55.76	BG60-../DPE11LA4	119	16000	-	31.5	900	1.35
24	1190	1.0	60.90	BG60-../DPE11LA4	119	16000	-	29	980	1.2
21.5	1330	0.9	67.49	BG60-../DPE11LA4	119	16000	-	26	1100	1.1
19.5	1460	0.82	75.71	BG60Z-../DPE11LA4	135	16000	-	23	1240	0.97
41.5	690	3.3	35.24	BG70-../DPE11LA4	149	18300	-	49.5	570	4.0
37	770	3.0	39.22	BG70-../DPE11LA4	149	19100	-	44.5	640	3.6
31.5	900	2.6	46.54	BG70-../DPE11LA4	149	20000	-	37.5	760	3.0
29	980	2.3	50.40	BG70-../DPE11LA4	149	20000	-	35	810	2.8
24.5	1160	2.0	59.82	BG70-../DPE11LA4	149	20000	-	29.5	970	2.4
22.5	1270	1.8	64.85	BG70Z-../DPE11LA4	176	20000	-	27	1060	2.2
20	1430	1.6	73.82	BG70Z-../DPE11LA4	176	20000	-	24	1190	1.95
17	1680	1.35	87.61	BG70Z-../DPE11LA4	176	20000	-	20	1430	1.6
15.5	1840	1.25	95.74	BG70Z-../DPE11LA4	176	20000	-	18.5	1540	1.5
13	2200	1.05	113.6	BG70Z-../DPE11LA4	176	20000	-	15.5	1840	1.25
12	2350	0.98	124.0	BG70Z-../DPE11LA4	176	20000	-	14.5	1970	1.15
9.9	2850	0.81	147.2	BG70Z-../DPE11LA4	176	20000	-	12	2350	0.98
22	1300	3.2	66.40	BG80Z-../DPE11LA4	246	26000	-	26.5	1080	3.9
20	1430	2.9	73.73	BG80Z-../DPE11LA4	246	26000	-	24	1190	3.5
17.5	1630	2.6	84.55	BG80Z-../DPE11LA4	246	26000	-	21	1360	3.1
15.5	1840	2.3	93.89	BG80Z-../DPE11LA4	246	26000	-	19	1500	2.8
13	2200	1.9	112.4	BG80Z-../DPE11LA4	246	26000	-	15.5	1840	2.3
12	2350	1.8	124.8	BG80Z-../DPE11LA4	246	26000	-	14	2000	2.1
10	2850	1.45	145.4	BG80Z-../DPE11LA4	246	26000	-	12	2350	1.8
9.0	3150	1.35	161.5	BG80Z-../DPE11LA4	246	26000	-	11	2600	1.6
7.8	3650	1.15	186.8	BG80Z-../DPE11LA4	246	26000	-	9.4	3000	1.4
7.0	4050	1.05	207.4	BG80Z-../DPE11LA4	246	26000	-	8.4	3400	1.25
6.4	4150	1.1	227.2	BG80G40-../DPE11LA4	254	26000	-	7.7	3400	1.35
5.8	4600	1.0	252.3	BG80G40-../DPE11LA4	254	26000	-	6.9	3800	1.2
5.2	5200	0.88	282.8	BG80G40-../DPE11LA4	254	26000	-	6.2	4300	1.05
4.7	5700	0.81	314.0	BG80G40-../DPE11LA4	254	26000	-	5.6	4750	0.97
10.5	2700	3.1	139.2	BG90Z-../DPE11LA4	348	65000	-	12.5	2250	3.7
8.9	3200	2.6	163.0	BG90Z-../DPE11LA4	348	65000	-	11	2600	3.2
8.2	3450	2.4	178.5	BG90Z-../DPE11LA4	348	65000	-	9.8	2900	2.9
7.0	4050	2.1	208.3	BG90Z-../DPE11LA4	348	65000	-	8.4	3400	2.5
6.4	4450	1.9	228.1	BG90Z-../DPE11LA4	348	65000	-	7.7	3700	2.3

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
5.6	4650	2.0	262.5	BG90G50-../DPE11LA4	365	65000	-	6.7	3850	2.4
4.9	5500	1.65	298.8	BG90G50-../DPE11LA4	365	65000	-	5.9	4550	2.0
4.1	6500	1.4	360.3	BG90G50-../DPE11LA4	365	65000	-	4.9	5300	1.75
3.4	8000	1.15	435.8	BG90G50-../DPE11LA4	365	65000	-	4.0	6700	1.35
2.9	9300	0.99	504.7	BG90G50-../DPE11LA4	365	65000	-	3.5	7700	1.2
2.5	10800	0.85	588.8	BG90G50-../DPE11LA4	365	65000	-	3.0	8900	1.05
5.6	5100	3.3	259.0	BG100-../DPE11LA4	465	90000	-	6.8	4200	4.0
4.9	5800	3.2	300.4	BG100Z-../DPE11LA4	555	90000	-	5.8	4900	3.8
4.3	6600	2.8	343.6	BG100Z-../DPE11LA4	555	90000	-	5.1	5600	3.3
3.8	7500	2.5	382.6	BG100Z-../DPE11LA4	555	90000	-	4.6	6200	3.0
3.2	8900	2.1	456.7	BG100Z-../DPE11LA4	555	90000	-	3.9	7300	2.5
2.9	9800	1.9	508.5	BG100Z-../DPE11LA4	555	90000	-	3.5	8100	2.3
2.5	11400	1.6	591.1	BG100Z-../DPE11LA4	555	90000	-	3.0	9500	1.95
2.3	12400	1.5	658.1	BG100Z-../DPE11LA4	555	90000	-	2.7	10600	1.75
2.0	14300	1.3	759.0	BG100Z-../DPE11LA4	555	90000	-	2.3	12400	1.5
1.8	15900	1.15	845.1	BG100Z-../DPE11LA4	555	90000	-	2.1	13600	1.35
1.5	17500	1.05	976.1	BG100G50-../DPE11LA4	552	90000	-	1.8	14300	1.3
1.4	19000	0.97	1043	BG100G50-../DPE11LA4	552	90000	-	1.7	15400	1.2
1.3	20400	0.91	1204	BG100G50-../DPE11LA4	552	90000	-	1.5	17400	1.05

P = 4 kW

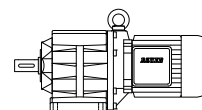
50 Hz			i	Type	m	F _{RN}	F _{RV}	60 Hz		
n ₂ 1/min	M ₂ Nm	f _B						n ₂ 1/min	M ₂ Nm	f _B
550	69	1.85	2.67	BG30-../DPE11LB4	58	1450	-	660	57	2.2
430	88	1.6	3.40	BG30-../DPE11LB4	58	1580	-	520	73	1.9
345	110	1.55	4.21	BG30-../DPE11LB4	58	1630	-	415	92	1.85
270	141	1.4	5.44	BG30-../DPE11LB4	58	1670	-	320	119	1.7
215	177	1.3	6.76	BG30-../DPE11LB4	58	2550	-	260	146	1.55
194	196	1.2	7.50	BG30-../DPE11LB4	58	2750	-	235	162	1.45
184	205	1.05	7.91	BG30-../DPE11LB4	58	1760	-	220	173	1.25
169	225	1.1	8.60	BG30-../DPE11LB4	58	2800	-	205	186	1.3
152	250	1.0	9.55	BG30-../DPE11LB4	58	3000	-	183	205	1.25
137	275	0.97	10.65	BG30-../DPE11LB4	58	2950	-	164	230	1.15
123	310	0.88	11.82	BG30-../DPE11LB4	58	3200	-	148	255	1.05
106	360	0.82	13.77	BG30-../DPE11LB4	58	3150	-	127	300	0.98
590	64	3.2	2.46	BG40-../DPE11LB4	77	2150	-	710	53	3.8
455	83	2.7	3.19	BG40-../DPE11LB4	77	2350	-	550	69	3.2
370	103	2.4	3.97	BG40-../DPE11LB4	77	2400	-	440	86	2.8
295	129	2.1	4.94	BG40-../DPE11LB4	77	2450	-	355	107	2.5
235	162	1.8	6.29	BG40-../DPE11LB4	77	2600	-	280	136	2.2
230	166	1.9	6.40	BG40-../DPE11LB4	77	3750	-	275	138	2.3
205	186	1.75	7.11	BG40-../DPE11LB4	77	3950	-	245	155	2.1
191	200	1.5	7.62	BG40-../DPE11LB4	77	2650	-	230	166	1.8
175	215	1.6	8.31	BG40-../DPE11LB4	77	4100	-	210	181	1.9
162	235	1.25	9.00	BG40-../DPE11LB4	77	2650	-	194	196	1.5
158	240	1.5	9.23	BG40-../DPE11LB4	77	4350	-	189	200	1.8
141	270	1.4	10.35	BG40-../DPE11LB4	77	4350	-	169	225	1.65
127	300	1.3	11.49	BG40-../DPE11LB4	77	4600	-	152	250	1.55
113	335	1.25	12.86	BG40-../DPE11LB4	77	4500	-	136	280	1.45
102	370	1.15	14.28	BG40-../DPE11LB4	77	4900	-	122	310	1.35

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

BG-series helical-geared motors

Selection helical-geared motors

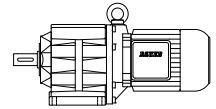
P = 4 kW



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
89	425	1.0	16.39	BG40-../DPE11LB4	77	5300	-	107	355	1.2
80	475	0.89	18.19	BG40-../DPE11LB4	77	5600	-	96	395	1.1
74	510	0.83	19.84	BG40-../DPE11LB4	77	5800	-	88	430	0.99
300	127	3.1	4.91	BG50-../DPE11LB4	86	3500	-	355	107	3.7
240	159	2.8	6.07	BG50-../DPE11LB4	86	4700	-	290	131	3.4
220	173	2.6	6.74	BG50-../DPE11LB4	86	3750	-	260	146	3.1
167	225	2.3	8.70	BG50-../DPE11LB4	86	5300	-	200	191	2.7
151	250	2.1	9.65	BG50-../DPE11LB4	86	5600	-	181	210	2.5
121	315	1.85	12.06	BG50-../DPE11LB4	86	5700	-	145	260	2.2
109	350	1.7	13.36	BG50-../DPE11LB4	86	6100	-	131	290	2.0
88	430	1.45	16.53	BG50-../DPE11LB4	86	6500	-	106	360	1.75
80	475	1.35	18.33	BG50-../DPE11LB4	86	7200	-	95	400	1.6
67	570	1.1	21.96	BG50-../DPE11LB4	86	8000	-	80	475	1.35
60	630	1.0	24.34	BG50-../DPE11LB4	86	8700	-	72	530	1.2
49	770	0.82	29.62	BG50-../DPE11LB4	86	8000	-	59	640	0.98
120	315	3.1	12.16	BG60-../DPE11LB4	119	10800	-	144	265	3.7
108	350	2.9	13.47	BG60-../DPE11LB4	119	11200	-	130	290	3.5
87	435	2.5	16.80	BG60-../DPE11LB4	119	12000	-	104	365	3.0
78	485	2.4	18.62	BG60-../DPE11LB4	119	12400	-	94	405	2.8
65	580	2.1	22.40	BG60-../DPE11LB4	119	13300	-	78	485	2.5
59	640	1.9	24.82	BG60-../DPE11LB4	119	13800	-	71	530	2.3
49.5	770	1.55	29.31	BG60-../DPE11LB4	119	14800	-	60	630	1.9
45	840	1.45	32.48	BG60-../DPE11LB4	119	15400	-	54	700	1.7
37.5	1010	1.2	38.85	BG60-../DPE11LB4	119	16000	-	45	840	1.45
34	1120	1.05	43.05	BG60-../DPE11LB4	119	16000	-	40.5	940	1.3
29	1310	0.92	50.31	BG60-../DPE11LB4	119	16000	-	35	1090	1.1
26.5	1440	0.83	55.76	BG60-../DPE11LB4	119	16000	-	31.5	1210	0.99
54	700	3.3	27.21	BG70-../DPE11LB4	149	16400	-	64	590	3.9
49	770	3.0	29.69	BG70-../DPE11LB4	149	16900	-	59	640	3.6
41.5	920	2.5	35.24	BG70-../DPE11LB4	149	18300	-	49.5	770	3.0
37	1030	2.2	39.22	BG70-../DPE11LB4	149	19100	-	44.5	850	2.7
31.5	1210	1.9	46.54	BG70-../DPE11LB4	149	20000	-	37.5	1010	2.3
29	1310	1.75	50.40	BG70-../DPE11LB4	149	20000	-	35	1090	2.1
24.5	1550	1.5	59.82	BG70-../DPE11LB4	149	20000	-	29.5	1290	1.8
22.5	1690	1.35	64.85	BG70Z-../DPE11LB4	176	20000	-	27	1410	1.65
20	1910	1.2	73.82	BG70Z-../DPE11LB4	176	20000	-	24	1590	1.45
17	2200	1.05	87.61	BG70Z-../DPE11LB4	176	20000	-	20	1910	1.2
15.5	2450	0.94	95.74	BG70Z-../DPE11LB4	176	20000	-	18.5	2050	1.1
30	1270	3.3	48.80	BG80-../DPE11LB4	204	23800	-	36	1060	4.0
25.5	1490	2.8	57.24	BG80-../DPE11LB4	204	25400	-	30.5	1250	3.4
23	1660	2.5	63.56	BG80-../DPE11LB4	204	26000	-	27.5	1380	3.0
22	1730	2.4	66.40	BG80Z-../DPE11LB4	246	26000	-	26.5	1440	2.9
20	1910	2.2	73.73	BG80Z-../DPE11LB4	246	26000	-	24	1590	2.6
17.5	2150	1.95	84.55	BG80Z-../DPE11LB4	246	26000	-	21	1810	2.3
15.5	2450	1.7	93.89	BG80Z-../DPE11LB4	246	26000	-	19	2000	2.1
13	2900	1.45	112.4	BG80Z-../DPE11LB4	246	26000	-	15.5	2450	1.7
12	3150	1.35	124.8	BG80Z-../DPE11LB4	246	26000	-	14	2700	1.55
10	3800	1.1	145.4	BG80Z-../DPE11LB4	246	26000	-	12	3150	1.35
9.0	4200	1.0	161.5	BG80Z-../DPE11LB4	246	26000	-	11	3450	1.2
7.8	4850	0.87	186.8	BG80Z-../DPE11LB4	246	26000	-	9.4	4050	1.05
6.4	5600	0.82	227.2	BG80G40-../DPE11LB4	254	26000	-	7.7	4650	0.99
14	2700	3.1	105.7	BG90Z-../DPE11LB4	348	65000	-	16.5	2300	3.7
11.5	3300	2.5	127.1	BG90Z-../DPE11LB4	348	65000	-	14	2700	3.1
10.5	3600	2.3	139.2	BG90Z-../DPE11LB4	348	65000	-	12.5	3050	2.8

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

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
8.9	4250	2.0	163.0	BG90Z-../DPE11LB4	348	65000	-	11	3450	2.4
8.2	4650	1.8	178.5	BG90Z-../DPE11LB4	348	65000	-	9.8	3850	2.2
7.0	5400	1.55	208.3	BG90Z-../DPE11LB4	348	65000	-	8.4	4500	1.85
6.4	5900	1.4	228.1	BG90Z-../DPE11LB4	348	65000	-	7.7	4950	1.7
5.6	6300	1.45	262.5	BG90G50-../DPE11LB4	365	65000	-	6.7	5200	1.75
4.9	7500	1.25	298.8	BG90G50-../DPE11LB4	365	65000	-	5.9	6100	1.5
4.1	8800	1.05	360.3	BG90G50-../DPE11LB4	365	65000	-	4.9	7300	1.25
3.4	10800	0.85	435.8	BG90G50-../DPE11LB4	365	65000	-	4.0	9100	1.0
7.3	5200	3.2	198.8	BG100-../DPE11LB4	465	90000	-	8.8	4300	3.9
6.3	6000	2.8	232.6	BG100-../DPE11LB4	465	90000	-	7.5	5000	3.4
5.6	6800	2.5	259.0	BG100-../DPE11LB4	465	90000	-	6.8	5600	3.0
5.4	7000	2.6	269.8	BG100Z-../DPE11LB4	555	90000	-	6.5	5800	3.2
4.9	7700	2.4	300.4	BG100Z-../DPE11LB4	555	90000	-	5.8	6500	2.8
4.3	8800	2.1	343.6	BG100Z-../DPE11LB4	555	90000	-	5.1	7400	2.5
3.8	10000	1.85	382.6	BG100Z-../DPE11LB4	555	90000	-	4.6	8300	2.2
3.2	11900	1.55	456.7	BG100Z-../DPE11LB4	555	90000	-	3.9	9700	1.9
2.9	13100	1.4	508.5	BG100Z-../DPE11LB4	555	90000	-	3.5	10900	1.7
2.5	15200	1.2	591.1	BG100Z-../DPE11LB4	555	90000	-	3.0	12700	1.45
2.3	16600	1.1	658.1	BG100Z-../DPE11LB4	555	90000	-	2.7	14100	1.3
2.0	19100	0.97	759.0	BG100Z-../DPE11LB4	555	90000	-	2.3	16600	1.1
1.8	21200	0.87	845.1	BG100Z-../DPE11LB4	555	90000	-	2.1	18100	1.0

P = 5.5 kW

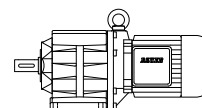
50 Hz			i	Type	m	F _{RN}	F _{RV}	60 Hz		
n ₂ 1/min	M ₂ Nm	f _B						n ₂ 1/min	M ₂ Nm	f _B
550	95	1.35	2.67	BG30-../DPE11LB4C	62	1450	-	660	79	1.6
430	122	1.15	3.40	BG30-../DPE11LB4C	62	1580	-	520	101	1.4
350	150	1.15	4.21	BG30-../DPE11LB4C	62	1630	-	420	125	1.35
270	194	1.05	5.44	BG30-../DPE11LB4C	62	1670	-	325	161	1.25
220	235	0.96	6.76	BG30-../DPE11LB4C	62	2550	-	265	198	1.15
195	265	0.87	7.50	BG30-../DPE11LB4C	62	2750	-	235	220	1.05
170	305	0.81	8.60	BG30-../DPE11LB4C	62	2800	-	205	255	0.96
600	87	2.3	2.46	BG40-../DPE11LB4C	81	2150	-	720	72	2.8
460	114	1.95	3.19	BG40-../DPE11LB4C	81	2350	-	560	93	2.4
370	141	1.75	3.97	BG40-../DPE11LB4C	81	2400	-	445	118	2.1
300	175	1.55	4.94	BG40-../DPE11LB4C	81	2450	-	360	145	1.85
235	220	1.35	6.29	BG40-../DPE11LB4C	81	2600	-	280	187	1.6
230	225	1.4	6.40	BG40-../DPE11LB4C	81	3750	-	275	191	1.65
210	250	1.3	7.11	BG40-../DPE11LB4C	81	3950	-	250	210	1.55
192	270	1.1	7.62	BG40-../DPE11LB4C	81	2650	-	235	220	1.35
176	295	1.15	8.31	BG40-../DPE11LB4C	81	4100	-	215	240	1.45
163	320	0.92	9.00	BG40-../DPE11LB4C	81	2650	-	196	265	1.1
159	330	1.1	9.23	BG40-../DPE11LB4C	81	4350	-	191	275	1.3
142	365	1.05	10.35	BG40-../DPE11LB4C	81	4350	-	171	305	1.25
128	410	0.95	11.49	BG40-../DPE11LB4C	81	4600	-	154	340	1.15
114	460	0.89	12.86	BG40-../DPE11LB4C	81	4500	-	137	380	1.1
103	500	0.84	14.28	BG40-../DPE11LB4C	81	4900	-	124	420	1.0
415	126	2.8	3.55	BG50-../DPE11LB4C	90	3300	-	500	105	3.3
300	175	2.3	4.91	BG50-../DPE11LB4C	90	3500	-	360	145	2.7
245	210	2.1	6.07	BG50-../DPE11LB4C	90	4700	-	290	181	2.4

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

BG-series helical-geared motors

Selection helical-geared motors

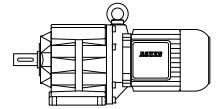
P = 5.5 kW



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
220	235	1.9	6.74	BG50-../DPE11LB4C	90	3750	-	265	198	2.3
168	310	1.65	8.70	BG50-../DPE11LB4C	90	5300	-	205	255	2.0
152	345	1.5	9.65	BG50-../DPE11LB4C	90	5600	-	183	285	1.85
122	430	1.35	12.06	BG50-../DPE11LB4C	90	5700	-	146	355	1.6
110	475	1.25	13.36	BG50-../DPE11LB4C	90	6100	-	132	395	1.5
89	590	1.05	16.53	BG50-../DPE11LB4C	90	6500	-	107	490	1.3
80	650	0.97	18.33	BG50-../DPE11LB4C	90	7200	-	97	540	1.15
67	780	0.81	21.96	BG50-../DPE11LB4C	90	8000	-	81	640	0.98
215	240	3.3	6.88	BG60-../DPE11LB4C	123	8600	-	260	200	3.9
160	325	2.7	9.13	BG60-../DPE11LB4C	123	9800	-	193	270	3.3
145	360	2.5	10.12	BG60-../DPE11LB4C	123	10200	-	174	300	3.0
121	430	2.3	12.16	BG60-../DPE11LB4C	123	10800	-	145	360	2.7
109	480	2.1	13.47	BG60-../DPE11LB4C	123	11200	-	131	400	2.6
87	600	1.85	16.80	BG60-../DPE11LB4C	123	12000	-	105	500	2.2
79	660	1.75	18.62	BG60-../DPE11LB4C	123	12400	-	95	550	2.1
66	790	1.5	22.40	BG60-../DPE11LB4C	123	13300	-	79	660	1.8
59	890	1.35	24.82	BG60-../DPE11LB4C	123	13800	-	71	730	1.65
50	1050	1.15	29.31	BG60-../DPE11LB4C	123	14800	-	61	860	1.4
45	1160	1.05	32.48	BG60-../DPE11LB4C	123	15400	-	55	950	1.25
38	1380	0.87	38.85	BG60-../DPE11LB4C	123	16000	-	45.5	1150	1.05
70	750	3.1	20.98	BG70-../DPE11LB4C	153	14600	-	84	620	3.7
64	820	2.8	22.92	BG70-../DPE11LB4C	153	15100	-	77	680	3.4
54	970	2.4	27.21	BG70-../DPE11LB4C	153	16400	-	65	800	2.9
49.5	1060	2.2	29.69	BG70-../DPE11LB4C	153	16900	-	60	870	2.6
41.5	1260	1.85	35.24	BG70-../DPE11LB4C	153	18300	-	50	1050	2.2
37.5	1400	1.65	39.22	BG70-../DPE11LB4C	153	19100	-	45	1160	2.0
31.5	1660	1.4	46.54	BG70-../DPE11LB4C	153	20000	-	38	1380	1.65
29	1810	1.25	50.40	BG70-../DPE11LB4C	153	20000	-	35	1500	1.55
24.5	2100	1.1	59.82	BG70-../DPE11LB4C	153	20000	-	29.5	1780	1.3
23	2250	1.0	64.85	BG70Z-../DPE11LB4C	180	20000	-	27.5	1910	1.2
20	2600	0.88	73.82	BG70Z-../DPE11LB4C	180	20000	-	24	2150	1.05
38.5	1360	3.1	38.00	BG80-../DPE11LB4C	208	21300	-	46.5	1120	3.8
33.5	1560	2.7	43.94	BG80-../DPE11LB4C	208	22600	-	40.5	1290	3.3
30	1750	2.4	48.80	BG80-../DPE11LB4C	208	23800	-	36.5	1430	2.9
26	2000	2.1	57.24	BG80-../DPE11LB4C	208	25400	-	31	1690	2.5
23	2250	1.85	63.56	BG80-../DPE11LB4C	208	26000	-	28	1870	2.2
22	2350	1.8	66.40	BG80Z-../DPE11LB4C	250	26000	-	27	1940	2.2
20	2600	1.6	73.73	BG80Z-../DPE11LB4C	250	26000	-	24	2150	1.95
17.5	3000	1.4	84.55	BG80Z-../DPE11LB4C	250	26000	-	21	2500	1.7
16	3250	1.3	93.89	BG80Z-../DPE11LB4C	250	26000	-	19	2750	1.55
13	4000	1.05	112.4	BG80Z-../DPE11LB4C	250	26000	-	16	3250	1.3
12	4350	0.97	124.8	BG80Z-../DPE11LB4C	250	26000	-	14.5	3600	1.15
10.5	5000	0.84	145.4	BG80Z-../DPE11LB4C	250	26000	-	12.5	4200	1.0
19.5	2650	3.2	76.61	BG90Z-../DPE11LB4C	352	65000	-	23	2250	3.7
17.5	3000	2.8	83.91	BG90Z-../DPE11LB4C	352	65000	-	21	2500	3.4
15.5	3350	2.5	96.53	BG90Z-../DPE11LB4C	352	65000	-	18.5	2800	3.0
14	3750	2.2	105.7	BG90Z-../DPE11LB4C	352	65000	-	17	3050	2.8
11.5	4550	1.85	127.1	BG90Z-../DPE11LB4C	352	65000	-	14	3750	2.2
10.5	5000	1.7	139.2	BG90Z-../DPE11LB4C	352	65000	-	13	4000	2.1
9.0	5800	1.45	163.0	BG90Z-../DPE11LB4C	352	65000	-	11	4750	1.75
8.2	6400	1.3	178.5	BG90Z-../DPE11LB4C	352	65000	-	9.9	5300	1.6
7.1	7300	1.15	208.3	BG90Z-../DPE11LB4C	352	65000	-	8.5	6100	1.4
6.5	8000	1.05	228.1	BG90Z-../DPE11LB4C	352	65000	-	7.8	6700	1.25
5.6	8900	1.05	262.5	BG90G50-../DPE11LB4C	369	65000	-	6.8	7200	1.3
4.9	10400	0.88	298.8	BG90G50-../DPE11LB4C	369	65000	-	5.9	8600	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
9.5	5500	3.1	154.8	BG100-../DPE11LB4C	469	90000	-	11.5	4550	3.7
8.2	6400	2.6	178.6	BG100-../DPE11LB4C	469	90000	-	9.9	5300	3.2
7.4	7000	2.4	198.8	BG100-../DPE11LB4C	469	90000	-	8.9	5900	2.8
6.3	8300	2.0	232.6	BG100-../DPE11LB4C	469	90000	-	7.6	6900	2.4
5.7	9200	1.85	259.0	BG100-../DPE11LB4C	469	90000	-	6.8	7700	2.2
5.5	9500	1.95	269.8	BG100Z-../DPE11LB4C	559	90000	-	6.6	7900	2.3
4.9	10700	1.75	300.4	BG100Z-../DPE11LB4C	559	90000	-	5.9	8900	2.1
4.3	12200	1.5	343.6	BG100Z-../DPE11LB4C	559	90000	-	5.2	10100	1.85
3.9	13400	1.4	382.6	BG100Z-../DPE11LB4C	559	90000	-	4.7	11100	1.65
3.2	16400	1.15	456.7	BG100Z-../DPE11LB4C	559	90000	-	3.9	13400	1.4
2.9	18100	1.0	508.5	BG100Z-../DPE11LB4C	559	90000	-	3.5	15000	1.25
2.5	21000	0.88	591.1	BG100Z-../DPE11LB4C	559	90000	-	3.0	17500	1.05
2.3	22800	0.81	658.1	BG100Z-../DPE11LB4C	559	90000	-	2.7	19400	0.95

P = 7.5 kW

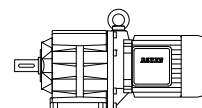
50 Hz			i	Type	m	F _{RN}	F _{RV}	60 Hz		
n ₂ 1/min	M ₂ Nm	f _B						n ₂ 1/min	M ₂ Nm	f _B
600	119	2.6	2.47	BG50-../DPE13XA4	102	2900	-	720	99	3.1
415	172	2.0	3.55	BG50-../DPE13XA4	102	3300	-	500	143	2.4
300	235	1.7	4.91	BG50-../DPE13XA4	102	3500	-	360	198	2.0
245	290	1.55	6.07	BG50-../DPE13XA4	102	4700	-	290	245	1.8
220	325	1.4	6.74	BG50-../DPE13XA4	102	3750	-	265	270	1.65
168	425	1.2	8.70	BG50-../DPE13XA4	102	5300	-	205	345	1.45
152	470	1.1	9.65	BG50-../DPE13XA4	102	5600	-	183	390	1.35
122	580	0.99	12.06	BG50-../DPE13XA4	102	5700	-	146	490	1.2
110	650	0.91	13.36	BG50-../DPE13XA4	102	6100	-	132	540	1.1
295	240	2.9	4.98	BG60-../DPE13XA4	136	7800	-	355	200	3.4
240	295	2.6	6.16	BG60-../DPE13XA4	136	8500	-	290	245	3.2
215	330	2.4	6.88	BG60-../DPE13XA4	136	8600	-	260	275	2.8
160	445	2.0	9.13	BG60-../DPE13XA4	136	9800	-	193	370	2.4
145	490	1.85	10.12	BG60-../DPE13XA4	136	10200	-	174	410	2.2
121	590	1.7	12.16	BG60-../DPE13XA4	136	10800	-	145	490	2.0
109	650	1.55	13.47	BG60-../DPE13XA4	136	11200	-	131	540	1.9
87	820	1.35	16.80	BG60-../DPE13XA4	136	12000	-	105	680	1.65
79	900	1.25	18.62	BG60-../DPE13XA4	136	12400	-	95	750	1.55
66	1080	1.1	22.40	BG60-../DPE13XA4	136	13300	-	79	900	1.35
59	1210	0.99	24.82	BG60-../DPE13XA4	136	13800	-	71	1000	1.2
50	1430	0.84	29.31	BG60-../DPE13XA4	136	14800	-	61	1170	1.05
95	750	3.1	15.53	BG70-../DPE13XA4	166	12700	-	114	620	3.7
83	860	2.7	17.68	BG70-../DPE13XA4	166	13400	-	100	710	3.2
70	1020	2.3	20.98	BG70-../DPE13XA4	166	14600	-	84	850	2.7
64	1110	2.1	22.92	BG70-../DPE13XA4	166	15100	-	77	930	2.5
54	1320	1.75	27.21	BG70-../DPE13XA4	166	16400	-	65	1100	2.1
49.5	1440	1.6	29.69	BG70-../DPE13XA4	166	16900	-	60	1190	1.95
41.5	1720	1.35	35.24	BG70-../DPE13XA4	166	18300	-	50	1430	1.6
37.5	1910	1.2	39.22	BG70-../DPE13XA4	166	19100	-	45	1590	1.45
31.5	2250	1.0	46.54	BG70-../DPE13XA4	166	20000	-	38	1880	1.2
29	2450	0.94	50.40	BG70-../DPE13XA4	166	20000	-	35	2000	1.15
56	1270	3.3	26.44	BG80-../DPE13XA4	220	17900	-	67	1060	4.0
50	1430	2.9	29.36	BG80-../DPE13XA4	220	18900	-	60	1190	3.5

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

BG-series helical-geared motors

Selection helical-geared motors

P = 7.5 kW



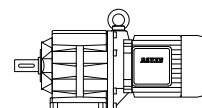
50 Hz			i	Type	m	F _{RN}	F _{RV}	60 Hz		
n ₂ 1/min	M ₂ Nm	f _B						n ₂ 1/min	M ₂ Nm	f _B
43	1660	2.5	34.22	BG80-../DPE13XA4	220	20200	-	52	1370	3.1
38.5	1860	2.3	38.00	BG80-../DPE13XA4	220	21300	-	46.5	1540	2.7
33.5	2100	2.0	43.94	BG80-../DPE13XA4	220	22600	-	40.5	1760	2.4
30	2350	1.8	48.80	BG80-../DPE13XA4	220	23800	-	36.5	1960	2.1
26	2750	1.55	57.24	BG80-../DPE13XA4	220	25400	-	31	2300	1.85
23	3100	1.35	63.56	BG80-../DPE13XA4	220	26000	-	28	2550	1.65
22	3250	1.3	66.40	BG80Z-../DPE13XA4	263	26000	-	27	2650	1.6
20	3550	1.2	73.73	BG80Z-../DPE13XA4	263	26000	-	24	2950	1.4
17.5	4050	1.05	84.55	BG80Z-../DPE13XA4	263	26000	-	21	3400	1.25
16	4450	0.94	93.89	BG80Z-../DPE13XA4	263	26000	-	19	3750	1.1
27.5	2600	3.2	53.46	BG90-../DPE13XA4	309	65000	-	33	2150	3.9
26	2750	2.5	57.04	BG90Z-../DPE13XA4	365	65000	-	31	2300	3.0
23.5	3000	2.5	62.47	BG90Z-../DPE13XA4	365	65000	-	28.5	2500	3.0
19.5	3650	2.3	76.61	BG90Z-../DPE13XA4	365	65000	-	23	3100	2.7
17.5	4050	2.1	83.91	BG90Z-../DPE13XA4	365	65000	-	21	3400	2.5
15.5	4600	1.85	96.53	BG90Z-../DPE13XA4	365	65000	-	18.5	3850	2.2
14	5100	1.65	105.7	BG90Z-../DPE13XA4	365	65000	-	17	4200	2.0
11.5	6200	1.35	127.1	BG90Z-../DPE13XA4	365	65000	-	14	5100	1.65
10.5	6800	1.25	139.2	BG90Z-../DPE13XA4	365	65000	-	13	5500	1.55
9.0	7900	1.05	163.0	BG90Z-../DPE13XA4	365	65000	-	11	6500	1.3
8.2	8700	0.97	178.5	BG90Z-../DPE13XA4	365	65000	-	9.9	7200	1.15
7.1	10000	0.84	208.3	BG90Z-../DPE13XA4	365	65000	-	8.5	8400	1.0
6.7	10300	0.89	219.9	BG90G50-../DPE13XA4	381	65000	-	8.1	8500	1.1
14	5100	3.3	107.5	BG100-../DPE13XA4	481	90000	-	16.5	4300	3.9
12.5	5700	2.9	119.7	BG100-../DPE13XA4	481	90000	-	15	4750	3.5
10.5	6800	2.5	139.1	BG100-../DPE13XA4	481	90000	-	13	5500	3.1
9.5	7500	2.2	154.8	BG100-../DPE13XA4	481	90000	-	11.5	6200	2.7
8.2	8700	1.95	178.6	BG100-../DPE13XA4	481	90000	-	9.9	7200	2.3
7.4	9600	1.75	198.8	BG100-../DPE13XA4	481	90000	-	8.9	8000	2.1
6.3	11300	1.5	232.6	BG100-../DPE13XA4	481	90000	-	7.6	9400	1.8
5.7	12500	1.35	259.0	BG100-../DPE13XA4	481	90000	-	6.8	10500	1.6
5.5	13000	1.4	269.8	BG100Z-../DPE13XA4	572	90000	-	6.6	10800	1.7
4.9	14600	1.25	300.4	BG100Z-../DPE13XA4	572	90000	-	5.9	12100	1.55
4.3	16600	1.1	343.6	BG100Z-../DPE13XA4	572	90000	-	5.2	13700	1.35
3.9	18300	1.0	382.6	BG100Z-../DPE13XA4	572	90000	-	4.7	15200	1.2
3.2	22300	0.83	456.7	BG100Z-../DPE13XA4	572	90000	-	3.9	18300	1.0

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
600	151	2.0	2.47	BG50-../DPE16LB4	138	2900	-	720	126	2.4
415	215	1.6	3.55	BG50-../DPE16LB4	138	3300	-	500	181	1.9
300	300	1.35	4.91	BG50-../DPE16LB4	138	3500	-	365	245	1.6
245	370	1.2	6.07	BG50-../DPE16LB4	138	4700	-	295	305	1.45
220	410	1.1	6.74	BG50-../DPE16LB4	138	3750	-	265	340	1.3
169	530	0.96	8.70	BG50-../DPE16LB4	138	5300	-	205	440	1.15
153	590	0.89	9.65	BG50-../DPE16LB4	138	5600	-	184	490	1.05
395	225	2.7	3.74	BG60-../DPE16LB4	172	7100	-	475	191	3.2

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

P = 9.5 kW



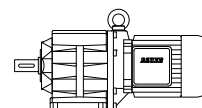
50 Hz			i	Type	m	F _{RN}	F _{RV}	60 Hz		
n ₂ 1/min	M ₂ Nm	f _B						n ₂ 1/min	M ₂ Nm	f _B
300	300	2.3	4.98	BG60-../DPE16LB4	172	7800	-	360	250	2.8
240	375	2.1	6.16	BG60-../DPE16LB4	172	8500	-	290	310	2.5
220	410	1.95	6.82	BG60-../DPE16LB4	172	8900	-	260	345	2.3
215	420	1.85	6.88	BG60-../DPE16LB4	172	8600	-	260	345	2.3
162	560	1.6	9.13	BG60-../DPE16LB4	172	9800	-	194	465	1.9
146	620	1.45	10.12	BG60-../DPE16LB4	172	10200	-	175	510	1.8
121	740	1.35	12.16	BG60-../DPE16LB4	172	10800	-	146	620	1.6
110	820	1.25	13.47	BG60-../DPE16LB4	172	11200	-	132	680	1.5
88	1030	1.1	16.80	BG60-../DPE16LB4	172	12000	-	106	850	1.3
79	1140	1.0	18.62	BG60-../DPE16LB4	172	12400	-	96	940	1.2
66	1370	0.88	22.40	BG60-../DPE16LB4	172	13300	-	80	1130	1.05
123	730	3.2	11.97	BG70-../DPE16LB4	206	11200	-	148	610	3.8
113	800	2.9	13.08	BG70-../DPE16LB4	206	11600	-	136	660	3.5
95	950	2.4	15.53	BG70-../DPE16LB4	206	12700	-	114	790	2.9
84	1080	2.1	17.68	BG70-../DPE16LB4	206	13400	-	101	890	2.6
71	1270	1.8	20.98	BG70-../DPE16LB4	206	14600	-	85	1060	2.2
65	1390	1.65	22.92	BG70-../DPE16LB4	206	15100	-	78	1160	2.0
55	1640	1.4	27.21	BG70-../DPE16LB4	206	16400	-	66	1370	1.7
50	1810	1.25	29.69	BG70-../DPE16LB4	206	16900	-	60	1510	1.5
42	2150	1.05	35.24	BG70-../DPE16LB4	206	18300	-	51	1770	1.3
37.5	2400	0.96	39.22	BG70-../DPE16LB4	206	19100	-	45.5	1990	1.15
32	2800	0.82	46.54	BG70-../DPE16LB4	206	20000	-	38.5	2350	0.98
67	1350	3.1	22.09	BG80-../DPE16LB4	256	16500	-	81	1120	3.8
56	1620	2.6	26.44	BG80-../DPE16LB4	256	17900	-	67	1350	3.1
51	1770	2.4	29.36	BG80-../DPE16LB4	256	18900	-	61	1480	2.8
43	2100	2.0	34.22	BG80-../DPE16LB4	256	20200	-	52	1740	2.4
39	2300	1.85	38.00	BG80-../DPE16LB4	256	21300	-	47	1930	2.2
33.5	2700	1.55	43.94	BG80-../DPE16LB4	256	22600	-	40.5	2200	1.9
30.5	2950	1.4	48.80	BG80-../DPE16LB4	256	23800	-	36.5	2450	1.7
26	3450	1.2	57.24	BG80-../DPE16LB4	256	25400	-	31	2900	1.45
23.5	3850	1.1	63.56	BG80-../DPE16LB4	256	26000	-	28	3200	1.3
22.5	4000	1.05	66.40	BG80Z-../DPE16LB4	299	26000	-	27	3350	1.25
20	4500	0.93	73.73	BG80Z-../DPE16LB4	299	26000	-	24.5	3700	1.15
17.5	5100	0.82	84.55	BG80Z-../DPE16LB4	299	26000	-	21	4300	0.98
35.5	2550	3.3	41.85	BG90-../DPE16LB4	346	65000	-	42.5	2100	4.0
30.5	2950	2.8	48.82	BG90-../DPE16LB4	346	65000	-	36.5	2450	3.4
27.5	3250	2.6	53.46	BG90-../DPE16LB4	346	65000	-	33.5	2700	3.1
26	3450	1.95	57.04	BG90Z-../DPE16LB4	405	65000	-	31.5	2850	2.4
24	3750	2.0	62.47	BG90Z-../DPE16LB4	405	65000	-	28.5	3150	2.4
19.5	4650	1.8	76.61	BG90Z-../DPE16LB4	405	65000	-	23.5	3850	2.2
18	5000	1.7	83.91	BG90Z-../DPE16LB4	405	65000	-	21.5	4200	2.0
15.5	5800	1.45	96.53	BG90Z-../DPE16LB4	405	65000	-	18.5	4900	1.7
14	6400	1.3	105.7	BG90Z-../DPE16LB4	405	65000	-	17	5300	1.6
12	7500	1.1	127.1	BG90Z-../DPE16LB4	405	65000	-	14	6400	1.3
11	8200	1.0	139.2	BG90Z-../DPE16LB4	405	65000	-	13	6900	1.2
9.1	9900	0.85	163.0	BG90Z-../DPE16LB4	405	65000	-	11	8200	1.0
16.5	5400	3.1	90.02	BG100-../DPE16LB4	516	90000	-	20	4500	3.7
14	6400	2.6	107.5	BG100-../DPE16LB4	516	90000	-	16.5	5400	3.1
12.5	7200	2.3	119.7	BG100-../DPE16LB4	516	90000	-	15	6000	2.8
11	8200	2.0	139.1	BG100-../DPE16LB4	516	90000	-	13	6900	2.4
9.5	9500	1.75	154.8	BG100-../DPE16LB4	516	90000	-	11.5	7800	2.2
8.3	10900	1.55	178.6	BG100-../DPE16LB4	516	90000	-	10	9000	1.85
7.4	12200	1.4	198.8	BG100-../DPE16LB4	516	90000	-	9.0	10000	1.7
6.4	14100	1.2	232.6	BG100-../DPE16LB4	516	90000	-	7.7	11700	1.45
5.7	15900	1.05	259.0	BG100-../DPE16LB4	516	90000	-	6.9	13100	1.3

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

BG-series helical-geared motors

Selection helical-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
5.5	16400	1.15	269.8	BG100Z-../DPE16LB4	608	90000	-	6.6	13700	1.35
4.9	18500	1.0	300.4	BG100Z-../DPE16LB4	608	90000	-	5.9	15300	1.2
4.3	21000	0.88	343.6	BG100Z-../DPE16LB4	608	90000	-	5.2	17400	1.05
3.9	23200	0.8	382.6	BG100Z-../DPE16LB4	608	90000	-	4.7	19300	0.96

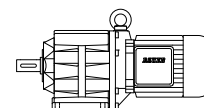
P = 11 kW

6

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
600	175	1.75	2.47	BG50-../DPE16LB4	138	2900	-	720	145	2.1
415	250	1.4	3.55	BG50-../DPE16LB4	138	3300	-	500	210	1.65
300	350	1.15	4.91	BG50-../DPE16LB4	138	3500	-	365	285	1.4
245	425	1.05	6.07	BG50-../DPE16LB4	138	4700	-	295	355	1.25
220	475	0.95	6.74	BG50-../DPE16LB4	138	3750	-	265	395	1.15
169	620	0.82	8.70	BG50-../DPE16LB4	138	5300	-	205	510	1.0
590	178	3.0	2.52	BG60-../DPE16LB4	172	6200	-	710	147	3.6
395	265	2.3	3.74	BG60-../DPE16LB4	172	7100	-	475	220	2.8
300	350	1.95	4.98	BG60-../DPE16LB4	172	7800	-	360	290	2.4
240	435	1.75	6.16	BG60-../DPE16LB4	172	8500	-	290	360	2.1
220	475	1.7	6.82	BG60-../DPE16LB4	172	8900	-	260	400	2.0
215	485	1.6	6.88	BG60-../DPE16LB4	172	8600	-	260	400	1.95
162	640	1.4	9.13	BG60-../DPE16LB4	172	9800	-	194	540	1.65
146	710	1.3	10.12	BG60-../DPE16LB4	172	10200	-	175	600	1.5
121	860	1.15	12.16	BG60-../DPE16LB4	172	10800	-	146	710	1.4
110	950	1.05	13.47	BG60-../DPE16LB4	172	11200	-	132	790	1.3
88	1190	0.93	16.80	BG60-../DPE16LB4	172	12000	-	106	990	1.1
79	1320	0.87	18.62	BG60-../DPE16LB4	172	12400	-	96	1090	1.05
146	710	3.2	10.09	BG70-../DPE16LB4	206	10200	-	176	590	3.9
123	850	2.7	11.97	BG70-../DPE16LB4	206	11200	-	148	700	3.3
113	920	2.5	13.08	BG70-../DPE16LB4	206	11600	-	136	770	3.0
95	1100	2.1	15.53	BG70-../DPE16LB4	206	12700	-	114	920	2.5
84	1250	1.85	17.68	BG70-../DPE16LB4	206	13400	-	101	1040	2.2
71	1470	1.55	20.98	BG70-../DPE16LB4	206	14600	-	85	1230	1.85
65	1610	1.45	22.92	BG70-../DPE16LB4	206	15100	-	78	1340	1.7
55	1910	1.2	27.21	BG70-../DPE16LB4	206	16400	-	66	1590	1.45
50	2100	1.1	29.69	BG70-../DPE16LB4	206	16900	-	60	1750	1.3
42	2500	0.92	35.24	BG70-../DPE16LB4	206	18300	-	51	2050	1.1
37.5	2800	0.82	39.22	BG70-../DPE16LB4	206	19100	-	45.5	2300	1.0
74	1410	3.0	19.89	BG80-../DPE16LB4	256	15500	-	89	1180	3.6
67	1560	2.7	22.09	BG80-../DPE16LB4	256	16500	-	81	1290	3.3
56	1870	2.2	26.44	BG80-../DPE16LB4	256	17900	-	67	1560	2.7
51	2050	2.0	29.36	BG80-../DPE16LB4	256	18900	-	61	1720	2.4
43	2400	1.75	34.22	BG80-../DPE16LB4	256	20200	-	52	2000	2.1
39	2650	1.6	38.00	BG80-../DPE16LB4	256	21300	-	47	2200	1.9
33.5	3100	1.35	43.94	BG80-../DPE16LB4	256	22600	-	40.5	2550	1.65
30.5	3400	1.25	48.80	BG80-../DPE16LB4	256	23800	-	36.5	2850	1.45
26	4000	1.05	57.24	BG80-../DPE16LB4	256	25400	-	31	3350	1.25
23.5	4450	0.94	63.56	BG80-../DPE16LB4	256	26000	-	28	3750	1.1
22.5	4650	0.9	66.40	BG80Z-../DPE16LB4	299	26000	-	27	3850	1.1
20	5200	0.81	73.73	BG80Z-../DPE16LB4	299	26000	-	24.5	4250	0.99
38.5	2700	3.1	38.21	BG90-../DPE16LB4	346	65000	-	46.5	2250	3.7

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
35.5	2950	2.8	41.85	BG90-../DPE16LB4	346	65000	-	42.5	2450	3.4
30.5	3400	2.5	48.82	BG90-../DPE16LB4	346	65000	-	36.5	2850	2.9
27.5	3800	2.2	53.46	BG90-../DPE16LB4	346	65000	-	33.5	3100	2.7
26	4000	1.7	57.04	BG90Z-../DPE16LB4	405	65000	-	31.5	3300	2.1
24	4350	1.7	62.47	BG90Z-../DPE16LB4	405	65000	-	28.5	3650	2.1
19.5	5300	1.6	76.61	BG90Z-../DPE16LB4	405	65000	-	23.5	4450	1.9
18	5800	1.45	83.91	BG90Z-../DPE16LB4	405	65000	-	21.5	4850	1.75
15.5	6700	1.25	96.53	BG90Z-../DPE16LB4	405	65000	-	18.5	5600	1.5
14	7500	1.1	105.7	BG90Z-../DPE16LB4	405	65000	-	17	6100	1.4
12	8700	0.97	127.1	BG90Z-../DPE16LB4	405	65000	-	14	7500	1.1
11	9500	0.88	139.2	BG90Z-../DPE16LB4	405	65000	-	13	8000	1.05
21	5000	3.2	70.69	BG100-../DPE16LB4	516	90000	-	25.5	4100	3.9
18.5	5600	3.0	80.85	BG100-../DPE16LB4	516	90000	-	22	4750	3.5
16.5	6300	2.7	90.02	BG100-../DPE16LB4	516	90000	-	20	5200	3.2
14	7500	2.2	107.5	BG100-../DPE16LB4	516	90000	-	16.5	6300	2.7
12.5	8400	2.0	119.7	BG100-../DPE16LB4	516	90000	-	15	7000	2.4
11	9500	1.75	139.1	BG100-../DPE16LB4	516	90000	-	13	8000	2.1
9.5	11000	1.55	154.8	BG100-../DPE16LB4	516	90000	-	11.5	9100	1.85
8.3	12600	1.35	178.6	BG100-../DPE16LB4	516	90000	-	10	10500	1.6
7.4	14100	1.2	198.8	BG100-../DPE16LB4	516	90000	-	9.0	11600	1.45
6.4	16400	1.0	232.6	BG100-../DPE16LB4	516	90000	-	7.7	13600	1.25
5.7	18400	0.91	259.0	BG100-../DPE16LB4	516	90000	-	6.9	15200	1.1
5.5	19100	0.97	269.8	BG100Z-../DPE16LB4	608	90000	-	6.6	15900	1.15
4.9	21400	0.86	300.4	BG100Z-../DPE16LB4	608	90000	-	5.9	17800	1.05

P = 15 kW

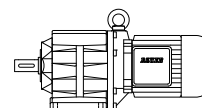
50 Hz			i	Type	m	F _{RN}	F _{RV}	60 Hz		
n ₂ 1/min	M ₂ Nm	f _B						n ₂ 1/min	M ₂ Nm	f _B
600	235	1.3	2.47	BG50-../DPE16XB4	148	2900	-	720	198	1.55
415	345	1.0	3.55	BG50-../DPE16XB4	148	3300	-	500	285	1.2
300	475	0.84	4.91	BG50-../DPE16XB4	148	3500	-	365	390	1.0
590	240	2.2	2.52	BG60-../DPE16XB4	182	6200	-	710	200	2.7
395	360	1.7	3.74	BG60-../DPE16XB4	182	7100	-	475	300	2.0
300	475	1.45	4.98	BG60-../DPE16XB4	182	7800	-	360	395	1.75
240	590	1.3	6.16	BG60-../DPE16XB4	182	8500	-	290	490	1.6
220	650	1.25	6.82	BG60-../DPE16XB4	182	8900	-	260	550	1.45
215	660	1.2	6.88	BG60-../DPE16XB4	182	8600	-	260	550	1.4
162	880	1.0	9.13	BG60-../DPE16XB4	182	9800	-	194	730	1.2
146	980	0.93	10.12	BG60-../DPE16XB4	182	10200	-	175	810	1.15
121	1180	0.84	12.16	BG60-../DPE16XB4	182	10800	-	146	980	1.0
210	680	3.2	7.14	BG70-../DPE16XB4	216	8800	-	250	570	3.8
174	820	2.8	8.48	BG70-../DPE16XB4	216	9500	-	210	680	3.4
146	980	2.3	10.09	BG70-../DPE16XB4	216	10200	-	176	810	2.8
123	1160	2.0	11.97	BG70-../DPE16XB4	216	11200	-	148	960	2.4
113	1260	1.85	13.08	BG70-../DPE16XB4	216	11600	-	136	1050	2.2
95	1500	1.55	15.53	BG70-../DPE16XB4	216	12700	-	114	1250	1.85
84	1700	1.35	17.68	BG70-../DPE16XB4	216	13400	-	101	1410	1.65
71	2000	1.15	20.98	BG70-../DPE16XB4	216	14600	-	85	1680	1.35
65	2200	1.05	22.92	BG70-../DPE16XB4	216	15100	-	78	1830	1.25
55	2600	0.88	27.21	BG70-../DPE16XB4	216	16400	-	66	2150	1.05

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

BG-series helical-geared motors

Selection helical-geared motors

P = 15 kW



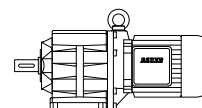
50 Hz			i	Type	m	F _{RN}	F _{RV}	60 Hz		
n ₂ 1/min	M ₂ Nm	f _B						n ₂ 1/min	M ₂ Nm	f _B
50	2850	0.81	29.69	BG70-../DPE16XB4	216	16900	-	60	2350	0.98
95	1500	2.8	15.62	BG80-../DPE16XB4	266	13700	-	114	1250	3.4
85	1680	2.5	17.35	BG80-../DPE16XB4	266	14600	-	103	1390	3.0
74	1930	2.2	19.89	BG80-../DPE16XB4	266	15500	-	89	1600	2.6
67	2100	2.0	22.09	BG80-../DPE16XB4	266	16500	-	81	1760	2.4
56	2550	1.65	26.44	BG80-../DPE16XB4	266	17900	-	67	2100	2.0
51	2800	1.5	29.36	BG80-../DPE16XB4	266	18900	-	61	2300	1.85
43	3300	1.25	34.22	BG80-../DPE16XB4	266	20200	-	52	2750	1.55
39	3650	1.15	38.00	BG80-../DPE16XB4	266	21300	-	47	3000	1.4
33.5	4250	0.99	43.94	BG80-../DPE16XB4	266	22600	-	40.5	3500	1.2
30.5	4650	0.9	48.80	BG80-../DPE16XB4	266	23800	-	36.5	3900	1.1
49.5	2850	2.9	29.78	BG90-../DPE16XB4	356	65000	-	60	2350	3.6
45.5	3100	2.7	32.62	BG90-../DPE16XB4	356	65000	-	55	2600	3.2
38.5	3700	2.3	38.21	BG90-../DPE16XB4	356	65000	-	46.5	3050	2.8
35.5	4000	2.1	41.85	BG90-../DPE16XB4	356	65000	-	42.5	3350	2.5
30.5	4650	1.8	48.82	BG90-../DPE16XB4	356	65000	-	36.5	3900	2.2
27.5	5200	1.6	53.46	BG90-../DPE16XB4	356	65000	-	33.5	4250	2.0
26	5500	1.25	57.04	BG90Z-../DPE16XB4	415	65000	-	31.5	4500	1.5
24	5900	1.25	62.47	BG90Z-../DPE16XB4	415	65000	-	28.5	5000	1.5
19.5	7300	1.15	76.61	BG90Z-../DPE16XB4	415	65000	-	23.5	6000	1.4
18	7900	1.05	83.91	BG90Z-../DPE16XB4	415	65000	-	21.5	6600	1.25
15.5	9200	0.91	96.53	BG90Z-../DPE16XB4	415	65000	-	18.5	7700	1.1
14	10200	0.82	105.7	BG90Z-../DPE16XB4	415	65000	-	17	8400	1.0
32	4450	3.2	46.43	BG100-../DPE16XB4	526	90000	-	38.5	3700	3.8
28.5	5000	2.9	51.70	BG100-../DPE16XB4	526	90000	-	34.5	4150	3.5
23.5	6000	2.6	63.49	BG100-../DPE16XB4	526	90000	-	28	5100	3.0
21	6800	2.3	70.69	BG100-../DPE16XB4	526	90000	-	25.5	5600	2.8
18.5	7700	2.1	80.85	BG100-../DPE16XB4	526	90000	-	22	6500	2.5
16.5	8600	1.95	90.02	BG100-../DPE16XB4	526	90000	-	20	7100	2.4
14	10200	1.65	107.5	BG100-../DPE16XB4	526	90000	-	16.5	8600	1.95
12.5	11400	1.45	119.7	BG100-../DPE16XB4	526	90000	-	15	9500	1.75
11	13000	1.3	139.1	BG100-../DPE16XB4	526	90000	-	13	11000	1.55
9.5	15000	1.1	154.8	BG100-../DPE16XB4	526	90000	-	11.5	12400	1.35
8.3	17200	0.98	178.6	BG100-../DPE16XB4	526	90000	-	10	14300	1.15
7.4	19300	0.87	198.8	BG100-../DPE16XB4	526	90000	-	9.0	15900	1.05

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
600	290	1.05	2.47	BG50-../DPE18LB4	200	2900	-	720	245	1.25
415	425	0.82	3.55	BG50-../DPE18LB4	200	3300	-	500	350	0.99
590	295	1.8	2.52	BG60-../DPE18LB4	229	6200	-	710	245	2.2
395	445	1.4	3.74	BG60-../DPE18LB4	229	7100	-	475	370	1.65
300	580	1.2	4.98	BG60-../DPE18LB4	229	7800	-	360	490	1.4
215	820	0.95	6.88	BG60-../DPE18LB4	229	8600	-	260	670	1.15
162	1090	0.81	9.13	BG60-../DPE18LB4	229	9800	-	194	910	0.98
300	580	2.6	4.95	BG70-../DPE18LB4	257	6900	-	360	490	3.1
255	690	2.5	5.87	BG70-../DPE18LB4	257	8200	-	305	570	3.1
210	840	2.6	7.14	BG70-../DPE18LB4	257	8800	-	250	700	3.1

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
174	1010	2.3	8.48	BG70-../DPE18LB4	257	9500	-	210	840	2.7
146	1210	1.9	10.09	BG70-../DPE18LB4	257	10200	-	176	1000	2.3
123	1430	1.6	11.97	BG70-../DPE18LB4	257	11200	-	148	1190	1.95
113	1560	1.45	13.08	BG70-../DPE18LB4	257	11600	-	136	1290	1.8
95	1850	1.25	15.53	BG70-../DPE18LB4	257	12700	-	114	1540	1.5
84	2100	1.1	17.68	BG70-../DPE18LB4	257	13400	-	101	1740	1.3
71	2450	0.94	20.98	BG70-../DPE18LB4	257	14600	-	85	2050	1.1
65	2700	0.85	22.92	BG70-../DPE18LB4	257	15100	-	78	2250	1.0
129	1360	3.1	11.43	BG80-../DPE18LB4	311	11600	-	155	1130	3.7
116	1520	2.8	12.69	BG80-../DPE18LB4	311	12400	-	140	1260	3.3
95	1850	2.3	15.62	BG80-../DPE18LB4	311	13700	-	114	1540	2.7
85	2050	2.0	17.35	BG80-../DPE18LB4	311	14600	-	103	1710	2.5
74	2350	1.8	19.89	BG80-../DPE18LB4	311	15500	-	89	1980	2.1
67	2600	1.6	22.09	BG80-../DPE18LB4	311	16500	-	81	2150	1.95
56	3150	1.35	26.44	BG80-../DPE18LB4	311	17900	-	67	2600	1.6
51	3450	1.2	29.36	BG80-../DPE18LB4	311	18900	-	61	2850	1.45
43	4100	1.0	34.22	BG80-../DPE18LB4	311	20200	-	52	3350	1.25
39	4500	0.93	38.00	BG80-../DPE18LB4	311	21300	-	47	3750	1.1
33.5	5200	0.81	43.94	BG80-../DPE18LB4	311	22600	-	40.5	4350	0.97
65	2700	3.1	22.62	BG90-../DPE18LB4	402	65000	-	79	2200	3.8
60	2900	2.9	24.78	BG90-../DPE18LB4	402	65000	-	72	2450	3.4
49.5	3550	2.4	29.78	BG90-../DPE18LB4	402	65000	-	60	2900	2.9
45.5	3850	2.2	32.62	BG90-../DPE18LB4	402	65000	-	55	3200	2.6
38.5	4550	1.85	38.21	BG90-../DPE18LB4	402	65000	-	46.5	3750	2.2
35.5	4950	1.7	41.85	BG90-../DPE18LB4	402	65000	-	42.5	4150	2.0
30.5	5700	1.45	48.82	BG90-../DPE18LB4	402	65000	-	36.5	4800	1.75
27.5	6400	1.3	53.46	BG90-../DPE18LB4	402	65000	-	33.5	5200	1.6
26	6700	1.0	57.04	BG90Z-../DPE18LB4	456	65000	-	31.5	5600	1.2
24	7300	1.05	62.47	BG90Z-../DPE18LB4	456	65000	-	28.5	6100	1.25
19.5	9000	0.93	76.61	BG90Z-../DPE18LB4	456	65000	-	23.5	7500	1.1
18	9800	0.86	83.91	BG90Z-../DPE18LB4	456	65000	-	21.5	8200	1.0
44	4000	3.2	33.71	BG100-../DPE18LB4	572	88500	-	53	3300	3.9
39.5	4450	3.0	37.54	BG100-../DPE18LB4	572	90000	-	47.5	3700	3.6
32	5500	2.6	46.43	BG100-../DPE18LB4	572	90000	-	38.5	4550	3.1
28.5	6100	2.4	51.70	BG100-../DPE18LB4	572	90000	-	34.5	5100	2.8
23.5	7500	2.1	63.49	BG100-../DPE18LB4	572	90000	-	28	6300	2.4
21	8400	1.9	70.69	BG100-../DPE18LB4	572	90000	-	25.5	6900	2.3
18.5	9500	1.75	80.85	BG100-../DPE18LB4	572	90000	-	22	8000	2.1
16.5	10700	1.55	90.02	BG100-../DPE18LB4	572	90000	-	20	8800	1.9
14	12600	1.35	107.5	BG100-../DPE18LB4	572	90000	-	16.5	10700	1.55
12.5	14100	1.2	119.7	BG100-../DPE18LB4	572	90000	-	15	11700	1.45
11	16000	1.05	139.1	BG100-../DPE18LB4	572	90000	-	13	13500	1.25
9.5	18500	0.91	154.8	BG100-../DPE18LB4	572	90000	-	11.5	15300	1.1

P = 22 kW

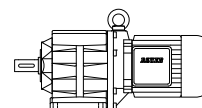
50 Hz			i	Type	m	F _{RN}	F _{RV}	60 Hz		
n ₂ 1/min	M ₂ Nm	f _B						n ₂ 1/min	M ₂ Nm	f _B
300	700	2.1	4.95	BG70-../DPE18XB4	275	6900	-	360	580	2.6
255	820	2.1	5.87	BG70-../DPE18XB4	275	8200	-	305	680	2.6
210	1000	2.2	7.14	BG70-../DPE18XB4	275	8800	-	250	840	2.6
174	1200	1.9	8.48	BG70-../DPE18XB4	275	9500	-	210	1000	2.3

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

BG-series helical-geared motors

Selection helical-geared motors

P = 22 kW



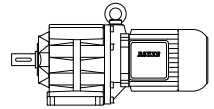
50 Hz			i	Type	m	F _{RN}	F _{RV}	60 Hz		
n ₂ 1/min	M ₂ Nm	f _B						n ₂ 1/min	M ₂ Nm	f _B
146	1430	1.6	10.09	BG70-../DPE18XB4	275	10200	-	176	1190	1.95
123	1700	1.35	11.97	BG70-../DPE18XB4	275	11200	-	148	1410	1.65
113	1850	1.25	13.08	BG70-../DPE18XB4	275	11600	-	136	1540	1.5
95	2200	1.05	15.53	BG70-../DPE18XB4	275	12700	-	114	1840	1.25
84	2500	0.92	17.68	BG70-../DPE18XB4	275	13400	-	101	2050	1.1
250	840	3.2	5.94	BG80-../DPE18XB4	329	8300	-	300	700	3.8
225	930	3.2	6.60	BG80-../DPE18XB4	329	9100	-	270	770	3.8
178	1180	3.2	8.30	BG80-../DPE18XB4	329	10400	-	215	970	3.9
160	1310	3.0	9.21	BG80-../DPE18XB4	329	10800	-	193	1080	3.6
129	1620	2.6	11.43	BG80-../DPE18XB4	329	11600	-	155	1350	3.1
116	1810	2.3	12.69	BG80-../DPE18XB4	329	12400	-	140	1500	2.8
95	2200	1.9	15.62	BG80-../DPE18XB4	329	13700	-	114	1840	2.3
85	2450	1.7	17.35	BG80-../DPE18XB4	329	14600	-	103	2000	2.1
74	2800	1.5	19.89	BG80-../DPE18XB4	329	15500	-	89	2350	1.8
67	3100	1.35	22.09	BG80-../DPE18XB4	329	16500	-	81	2550	1.65
56	3750	1.1	26.44	BG80-../DPE18XB4	329	17900	-	67	3100	1.35
51	4100	1.0	29.36	BG80-../DPE18XB4	329	18900	-	61	3400	1.25
43	4850	0.87	34.22	BG80-../DPE18XB4	329	20200	-	52	4000	1.05
82	2550	3.2	17.96	BG90-../DPE18XB4	420	59800	-	99	2100	3.9
75	2800	3.0	19.67	BG90-../DPE18XB4	420	62400	-	90	2300	3.7
65	3200	2.6	22.62	BG90-../DPE18XB4	420	65000	-	79	2650	3.2
60	3500	2.4	24.78	BG90-../DPE18XB4	420	65000	-	72	2900	2.9
49.5	4200	2.0	29.78	BG90-../DPE18XB4	420	65000	-	60	3500	2.4
45.5	4600	1.85	32.62	BG90-../DPE18XB4	420	65000	-	55	3800	2.2
38.5	5400	1.55	38.21	BG90-../DPE18XB4	420	65000	-	46.5	4500	1.85
35.5	5900	1.4	41.85	BG90-../DPE18XB4	420	65000	-	42.5	4900	1.7
30.5	6800	1.25	48.82	BG90-../DPE18XB4	420	65000	-	36.5	5700	1.45
27.5	7600	1.1	53.46	BG90-../DPE18XB4	420	65000	-	33.5	6200	1.35
26	8000	0.85	57.04	BG90Z-../DPE18XB4	474	65000	-	31.5	6600	1.05
24	8700	0.86	62.47	BG90Z-../DPE18XB4	474	65000	-	28.5	7300	1.05
44	4750	2.7	33.71	BG100-../DPE18XB4	590	88500	-	53	3950	3.3
39.5	5300	2.5	37.54	BG100-../DPE18XB4	590	90000	-	47.5	4400	3.0
32	6500	2.2	46.43	BG100-../DPE18XB4	590	90000	-	38.5	5400	2.6
28.5	7300	2.0	51.70	BG100-../DPE18XB4	590	90000	-	34.5	6000	2.4
23.5	8900	1.75	63.49	BG100-../DPE18XB4	590	90000	-	28	7500	2.1
21	10000	1.6	70.69	BG100-../DPE18XB4	590	90000	-	25.5	8200	1.95
18.5	11300	1.45	80.85	BG100-../DPE18XB4	590	90000	-	22	9500	1.75
16.5	12700	1.3	90.02	BG100-../DPE18XB4	590	90000	-	20	10500	1.6
14	15000	1.1	107.5	BG100-../DPE18XB4	590	90000	-	16.5	12700	1.3
12.5	16800	1.0	119.7	BG100-../DPE18XB4	590	90000	-	15	14000	1.2
11	19100	0.88	139.1	BG100-../DPE18XB4	590	90000	-	13	16100	1.05

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
300	950	1.55	4.95	BG70-../DPE20LA4	430	6900	-	365	780	1.9
255	1120	1.55	5.87	BG70-../DPE20LA4	430	8200	-	305	930	1.9
210	1360	1.6	7.14	BG70-../DPE20LA4	430	8800	-	255	1120	1.95
175	1630	1.4	8.48	BG70-../DPE20LA4	430	9500	-	215	1330	1.7
147	1940	1.2	10.09	BG70-../DPE20LA4	430	10200	-	178	1600	1.45
124	2300	1.0	11.97	BG70-../DPE20LA4	430	11200	-	150	1910	1.2

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
114	2500	0.92	13.08	BG70-../DPE20LA4	430	11600	-	137	2050	1.1
250	1140	2.3	5.94	BG80-../DPE20LA4	482	8300	-	305	930	2.8
225	1270	2.3	6.60	BG80-../DPE20LA4	482	9100	-	275	1040	2.8
179	1600	2.4	8.30	BG80-../DPE20LA4	482	10400	-	220	1300	2.9
161	1770	2.2	9.21	BG80-../DPE20LA4	482	10800	-	195	1460	2.7
130	2200	1.9	11.43	BG80-../DPE20LA4	482	11600	-	157	1820	2.3
117	2400	1.75	12.69	BG80-../DPE20LA4	482	12400	-	142	2000	2.1
95	3000	1.4	15.62	BG80-../DPE20LA4	482	13700	-	115	2450	1.7
86	3300	1.25	17.35	BG80-../DPE20LA4	482	14600	-	104	2750	1.55
75	3800	1.1	19.89	BG80-../DPE20LA4	482	15500	-	90	3150	1.35
67	4250	0.99	22.09	BG80-../DPE20LA4	482	16500	-	82	3450	1.2
56	5100	0.82	26.44	BG80-../DPE20LA4	482	17900	-	68	4200	1.0
136	2100	3.3	10.90	BG90-../DPE20LA4	574	52300	-	165	1730	4.1
111	2550	2.9	13.37	BG90-../DPE20LA4	574	55000	-	134	2100	3.6
102	2800	2.8	14.64	BG90-../DPE20LA4	574	57000	-	123	2300	3.4
83	3450	2.4	17.96	BG90-../DPE20LA4	574	59800	-	100	2850	2.9
76	3750	2.2	19.67	BG90-../DPE20LA4	574	62400	-	92	3100	2.7
66	4300	1.95	22.62	BG90-../DPE20LA4	574	65000	-	80	3550	2.4
60	4750	1.75	24.78	BG90-../DPE20LA4	574	65000	-	73	3900	2.2
50	5700	1.45	29.78	BG90-../DPE20LA4	574	65000	-	61	4650	1.8
45.5	6200	1.35	32.62	BG90-../DPE20LA4	574	65000	-	55	5200	1.6
39	7300	1.15	38.21	BG90-../DPE20LA4	574	65000	-	47	6000	1.4
35.5	8000	1.05	41.85	BG90-../DPE20LA4	574	65000	-	43	6600	1.25
30.5	9300	0.9	48.82	BG90-../DPE20LA4	574	65000	-	37	7700	1.1
28	10200	0.82	53.46	BG90-../DPE20LA4	574	65000	-	33.5	8500	0.99
119	2400	3.0	12.45	BG100-../DPE20LA4	743	72100	-	144	1980	3.7
86	3300	3.1	17.39	BG100-../DPE20LA4	743	82400	-	103	2750	3.7
62	4600	2.4	23.95	BG100-../DPE20LA4	743	87900	-	75	3800	3.0
44	6500	2.0	33.71	BG100-../DPE20LA4	743	88500	-	54	5300	2.4
39.5	7200	1.85	37.54	BG100-../DPE20LA4	743	90000	-	48	5900	2.2
32	8900	1.6	46.43	BG100-../DPE20LA4	743	90000	-	39	7300	1.95
29	9800	1.45	51.70	BG100-../DPE20LA4	743	90000	-	35	8100	1.8
23.5	12100	1.25	63.49	BG100-../DPE20LA4	743	90000	-	28.5	10000	1.55
21	13600	1.15	70.69	BG100-../DPE20LA4	743	90000	-	25.5	11200	1.4
18.5	15400	1.05	80.85	BG100-../DPE20LA4	743	90000	-	22.5	12700	1.3
16.5	17300	0.97	90.02	BG100-../DPE20LA4	743	90000	-	20	14300	1.15
14	20400	0.82	107.5	BG100-../DPE20LA4	743	90000	-	17	16800	1.0

P = 37 kW

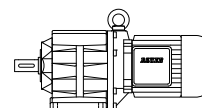
50 Hz			i	Type	m	F _{RN}	F _{RV}	60 Hz		
n ₂ 1/min	M ₂ Nm	f _B						n ₂ 1/min	M ₂ Nm	f _B
300	1170	1.3	4.95	BG70-../DPE22SA4	429	6900	-	365	960	1.55
255	1380	1.25	5.87	BG70-../DPE22SA4	429	8200	-	305	1150	1.55
210	1680	1.3	7.14	BG70-../DPE22SA4	429	8800	-	255	1380	1.55
175	2000	1.15	8.48	BG70-../DPE22SA4	429	9500	-	215	1640	1.4
250	1410	1.9	5.94	BG80-../DPE22SA4	481	8300	-	305	1150	2.3
225	1570	1.9	6.60	BG80-../DPE22SA4	481	9100	-	275	1280	2.3
179	1970	1.9	8.30	BG80-../DPE22SA4	481	10400	-	220	1600	2.4
161	2150	1.85	9.21	BG80-../DPE22SA4	481	10800	-	195	1810	2.2
130	2700	1.55	11.43	BG80-../DPE22SA4	481	11600	-	157	2250	1.85
117	3000	1.4	12.69	BG80-../DPE22SA4	481	12400	-	142	2450	1.7

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

BG-series helical-geared motors

Selection helical-geared motors

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
95	3700	1.15	15.62	BG80-../DPE22SA4	481	13700	-	115	3050	1.4
86	4100	1.0	17.35	BG80-../DPE22SA4	481	14600	-	104	3350	1.25
186	1890	3.3	7.97	BG90-../DPE22SA4	573	47900	-	225	1570	4.0
149	2350	2.9	9.95	BG90-../DPE22SA4	573	50500	-	180	1960	3.5
136	2550	2.7	10.90	BG90-../DPE22SA4	573	52300	-	165	2100	3.3
111	3150	2.4	13.37	BG90-../DPE22SA4	573	55000	-	134	2600	2.9
102	3450	2.2	14.64	BG90-../DPE22SA4	573	57000	-	123	2850	2.7
83	4250	1.95	17.96	BG90-../DPE22SA4	573	59800	-	100	3500	2.4
76	4600	1.85	19.67	BG90-../DPE22SA4	573	62400	-	92	3800	2.2
66	5300	1.6	22.62	BG90-../DPE22SA4	573	65000	-	80	4400	1.9
60	5800	1.45	24.78	BG90-../DPE22SA4	573	65000	-	73	4800	1.75
50	7000	1.2	29.78	BG90-../DPE22SA4	573	65000	-	61	5700	1.45
45.5	7700	1.1	32.62	BG90-../DPE22SA4	573	65000	-	55	6400	1.3
119	2950	2.5	12.45	BG100-../DPE22SA4	742	72100	-	144	2450	3.0
86	4100	2.5	17.39	BG100-../DPE22SA4	742	82400	-	103	3400	3.0
62	5600	2.0	23.95	BG100-../DPE22SA4	742	87900	-	75	4700	2.4
44	8000	1.6	33.71	BG100-../DPE22SA4	742	88500	-	54	6500	2.0
39.5	8900	1.5	37.54	BG100-../DPE22SA4	742	90000	-	48	7300	1.8
32	11000	1.3	46.43	BG100-../DPE22SA4	742	90000	-	39	9000	1.55
29	12100	1.2	51.70	BG100-../DPE22SA4	742	90000	-	35	10000	1.45
23.5	15000	1.05	63.49	BG100-../DPE22SA4	742	90000	-	28.5	12300	1.25

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
250	1710	1.55	5.94	BG80-../DPE22MA4	538	8300	-	305	1400	1.9
225	1910	1.55	6.60	BG80-../DPE22MA4	538	9100	-	275	1560	1.9
179	2400	1.55	8.30	BG80-../DPE22MA4	538	10400	-	220	1950	1.95
161	2650	1.5	9.21	BG80-../DPE22MA4	538	10800	-	195	2200	1.8
130	3300	1.25	11.43	BG80-../DPE22MA4	538	11600	-	157	2700	1.55
117	3650	1.15	12.69	BG80-../DPE22MA4	538	12400	-	142	3000	1.4
230	1860	3.2	6.46	BG90-../DPE22MA4	630	44200	-	280	1530	3.9
205	2050	3.0	7.28	BG90-../DPE22MA4	630	46300	-	250	1710	3.6
186	2300	2.7	7.97	BG90-../DPE22MA4	630	47900	-	225	1910	3.3
149	2850	2.4	9.95	BG90-../DPE22MA4	630	50500	-	180	2350	2.9
136	3150	2.2	10.90	BG90-../DPE22MA4	630	52300	-	165	2600	2.7
111	3850	1.95	13.37	BG90-../DPE22MA4	630	55000	-	134	3200	2.3
102	4200	1.85	14.64	BG90-../DPE22MA4	630	57000	-	123	3450	2.2
83	5100	1.6	17.96	BG90-../DPE22MA4	630	59800	-	100	4250	1.95
76	5600	1.5	19.67	BG90-../DPE22MA4	630	62400	-	92	4650	1.8
66	6500	1.3	22.62	BG90-../DPE22MA4	630	65000	-	80	5300	1.6
60	7100	1.2	24.78	BG90-../DPE22MA4	630	65000	-	73	5800	1.45
119	3600	2.0	12.45	BG100-../DPE22MA4	799	72100	-	144	2950	2.5
86	4950	2.0	17.39	BG100-../DPE22MA4	799	82400	-	103	4150	2.4
62	6900	1.65	23.95	BG100-../DPE22MA4	799	87900	-	75	5700	1.95
44	9700	1.35	33.71	BG100-../DPE22MA4	799	88500	-	54	7900	1.65
39.5	10800	1.2	37.54	BG100-../DPE22MA4	799	90000	-	48	8900	1.5
32	13400	1.05	46.43	BG100-../DPE22MA4	799	90000	-	39	11000	1.3

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