

8

BK-series bevel-gear motors - Selection

Description of bevel-gear units	323
Sizes	323
Bauer service factors (f_B) for bevel-gear motors	323
Continuous operation without switching frequency $Z \leq 1/h$	323
Switching duty	323
Bauer Service factor	323
Explanation of shock classification	324
Key to abbreviations	324
Selection tables, bevel-gear motors	324
Selection - bevel geared motors DSE - IE1	325
Selection - bevel geared motors DHE - IE2	353
Selection - bevel geared motors DPE - IE3	383

Energy Efficient Geared Motors

AC Line Operated

Sizes

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

Bauer service factors (f_B) for bevel-gear motors

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

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

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

See Bauer special imprint SD32 for more information.

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

Factor f_1 for shock classification and operating time

Shock classification	Operating hours per day t_d	>4 h	>8 h	>16 h
		≤ 8 h	≤ 16 h	≤ 24 h
I		0.8	1.0	1.2
II		1.05	1.25	1.45
III		1.45	1.55	1.7

Switching duty

Factor f_2 for shock classification and switching frequency

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

Shock classification	$1 < Z \leq 100$	$100 < Z \leq 1000$	$1000 < Z$
I	0.95	1.1	1.15
II	1.2	1.35	1.4
III	1.55	1.6	1.6

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

Shock classification	$1 < Z \leq 100$	$100 < Z \leq 1000$	$1000 < Z$
I	1.3	1.45	1.5
II	1.5	1.6	1.65
III	1.75	1.8	1.8

Bauer Service factor

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

For example: Shock classification II for $Z = 100$ switching operations per hour and multiple-shift operation yields a service factor $f_B = f_2 = 1.5$

BK-series bevel-gear motors

Description of bevel-gear 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)

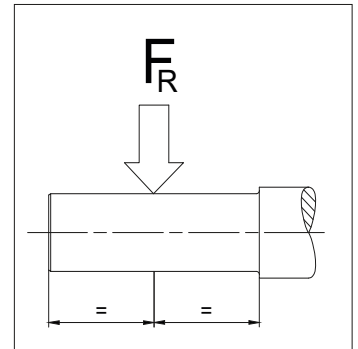
Key to abbreviations

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

Selection tables, bevel-gear motors

Key to abbreviations

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



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

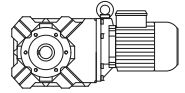
Motor power overload protection

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

BK-series bevel geared motors

Selection - bevel geared motors DSE - IE1

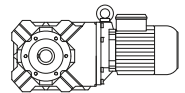
0.03 kW



P _N	50 Hz			i	Typ	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
0.03	28.5	8.9	9.0	47.78	BK06-../D04LA4	7.6	1500	-
0.03	25	10.1	6.7	54.38	BK06-../D04LA4	7.6	1600	-
0.03	21.5	11.8	5.4	63.33	BK06-../D04LA4	7.6	1700	-
0.03	3.7	62	2.7	373.4	BK10Z-../D04LA4	21	7000	-
0.03	3.2	71	2.1	428.8	BK10Z-../D04LA4	21	7000	-
0.03	2.5	66	3.3	552.3	BK10G06-../D04LA4	25	7000	-
0.03	2.2	77	2.9	635.5	BK10G06-../D04LA4	25	7000	-
0.03	1.8	98	2.2	789.7	BK10G06-../D04LA4	25	7000	-
0.03	1.5	118	1.85	929.3	BK10G06-../D04LA4	25	7000	-
0.03	1.3	139	1.6	1112	BK10G06-../D04LA4	25	7000	-
0.03	1.0	184	1.2	1361	BK10G06-../D04LA4	25	7000	-
0.03	0.9	205	1.05	1577	BK10G06-../D04LA4	25	7000	-
0.03	0.7	220*	1.0	1971	BK10G06-../D04LA4	25	7000	-
0.03	0.6	220*	1.0	2261	BK10G06-../D04LA4	25	7000	-
0.03	0.55	220*	1.0	2467	BK10G06-../D04LA4	25	7000	-
0.03	0.48	220*	1.0	2849	BK10G06-../D04LA4	25	7000	-
0.03	0.44	220*	1.0	3107	BK10G06-../D04LA4	25	7000	-
0.03	0.39	220*	1.0	3537	BK10G06-../D04LA4	25	7000	-
0.03	0.33	220*	1.0	4120	BK10G06-../D04LA4	25	7000	-
0.03	1.6	110	3.3	891.2	BK20G06-../D04LA4	34	8700	9000
0.03	1.3	138	2.6	1066	BK20G06-../D04LA4	34	8700	9000
0.03	1.1	165	2.2	1305	BK20G06-../D04LA4	34	8700	9000
0.03	0.95	193	1.85	1424	BK20G06-../D04LA4	34	8700	9000
0.03	0.85	220	1.65	1650	BK20G06-../D04LA4	34	8700	9000
0.03	0.7	270	1.35	2062	BK20G06-../D04LA4	34	8700	9000
0.03	0.6	320	1.15	2366	BK20G06-../D04LA4	34	8700	9000
0.03	0.55	350	1.05	2580	BK20G06-../D04LA4	34	8700	9000
0.03	0.48	360*	1.0	2831	BK20G06-../D04LA4	34	8700	9000
0.03	0.44	360*	1.0	3088	BK20G06-../D04LA4	34	8700	9000
0.03	0.39	360*	1.0	3515	BK20G06-../D04LA4	34	8700	9000
0.03	0.33	360*	1.0	4094	BK20G06-../D04LA4	34	8700	9000
0.03	1.2	150	3.3	1142	BK30G06-../D04LA4	40	11200	12000
0.03	1.1	165	3.0	1281	BK30G06-../D04LA4	40	11200	12000
0.03	0.85	220	2.2	1620	BK30G06-../D04LA4	40	11200	12000
0.03	0.8	235	2.1	1767	BK30G06-../D04LA4	40	11200	12000
0.03	0.7	270	1.8	2024	BK30G06-../D04LA4	40	11200	12000
0.03	0.55	350	1.4	2533	BK30G06-../D04LA4	40	11200	12000
0.03	0.5	380	1.3	2738	BK30G06-../D04LA4	40	11200	12000
0.03	0.46	415	1.2	2986	BK30G06-../D04LA4	40	11200	12000
0.03	0.4	480	1.0	3399	BK30G06-../D04LA4	40	11200	12000
0.03	0.35	490*	1.0	3959	BK30G06-../D04LA4	40	11200	12000

8

0.04 kW



P _N	50 Hz			i	Typ	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
0.04	41	8.3	9.6	33.33	BK06-../D04LA4	7.6	1320	-
0.04	35.5	9.6	8.3	38.18	BK06-../D04LA4	7.6	1380	-
0.04	28.5	11.9	6.7	47.78	BK06-../D04LA4	7.6	1500	-
0.04	25	13.5	5.0	54.38	BK06-../D04LA4	7.6	1600	-
0.04	21.5	15.8	4.0	63.33	BK06-../D04LA4	7.6	1700	-
0.04	4.5	68	2.7	302.4	BK10Z-../D04LA4	21	7000	-
0.04	3.7	83	2.0	373.4	BK10Z-../D04LA4	21	7000	-
0.04	3.2	95	1.55	428.8	BK10Z-../D04LA4	21	7000	-
0.04	3.0	78	2.8	459.2	BK10G06-../D04LA4	25	7000	-
0.04	2.7	88	2.5	501.4	BK10G06-../D04LA4	25	7000	-
0.04	2.5	96	2.3	552.3	BK10G06-../D04LA4	25	7000	-
0.04	2.2	112	1.95	635.5	BK10G06-../D04LA4	25	7000	-
0.04	1.8	140	1.55	789.7	BK10G06-../D04LA4	25	7000	-
0.04	1.5	167	1.3	929.3	BK10G06-../D04LA4	25	7000	-
0.04	1.3	195	1.15	1112	BK10G06-../D04LA4	25	7000	-

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

BK-series bevel geared motors

Selection - bevel geared motors DSE - IE1

0.04 kW

P _N	50 Hz			i	Typ	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
0.04	1.0	255	0.86	1361	BK10G06-../D04LA4	25	7000	-
0.04	2.2	110	3.3	630.0	BK20G06-../D04LA4	34	8700	9000
0.04	1.8	138	2.6	757.0	BK20G06-../D04LA4	34	8700	9000
0.04	1.6	156	2.3	891.2	BK20G06-../D04LA4	34	8700	9000
0.04	1.3	195	1.85	1066	BK20G06-../D04LA4	34	8700	9000
0.04	1.1	230	1.55	1305	BK20G06-../D04LA4	34	8700	9000
0.04	0.95	270	1.35	1424	BK20G06-../D04LA4	34	8700	9000
0.04	0.85	305	1.2	1650	BK20G06-../D04LA4	34	8700	9000
0.04	1.7	147	3.3	810.9	BK30G06-../D04LA4	40	11200	12000
0.04	1.5	167	2.9	954.1	BK30G06-../D04LA4	40	11200	12000
0.04	1.2	210	2.3	1142	BK30G06-../D04LA4	40	11200	12000
0.04	1.1	230	2.1	1281	BK30G06-../D04LA4	40	11200	12000
0.04	0.85	305	1.6	1620	BK30G06-../D04LA4	40	11200	12000
0.04	0.8	325	1.5	1767	BK30G06-../D04LA4	40	11200	12000
0.04	0.7	375	1.3	2024	BK30G06-../D04LA4	40	11200	12000
0.04	0.55	480	1.0	2533	BK30G06-../D04LA4	40	11200	12000

0.06 kW

P _N	50 Hz			i	Typ	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
0.06	63	8.1	9.9	21.54	BK06-../D04LA4	7.6	1150	-
0.06	52	9.9	8.1	26.36	BK06-../D04LA4	7.6	1230	-
0.06	41	12.5	6.4	33.33	BK06-../D04LA4	7.6	1320	-
0.06	35.5	14.5	5.5	38.18	BK06-../D04LA4	7.6	1380	-
0.06	28.5	17.8	4.5	47.78	BK06-../D04LA4	7.6	1500	-
0.06	25	20	3.4	54.38	BK06-../D04LA4	7.6	1600	-
0.06	21.5	23.5	2.7	63.33	BK06-../D04LA4	7.6	1700	-
0.06	11.5	42	3.3	120.3	BK10Z-../D06LA4	24	7000	-
0.06	9.5	50	3.3	143.2	BK10Z-../D06LA4	24	7000	-
0.06	6.6	71	2.8	204.7	BK10Z-../D06LA4	24	7000	-
0.06	5.3	88	2.3	257.9	BK10Z-../D06LA4	24	7000	-
0.06	4.5	103	1.8	302.4	BK10Z-../D06LA4	24	7000	-
0.06	3.7	125	1.3	373.4	BK10Z-../D06LA4	24	7000	-
0.06	3.2	143	1.05	428.8	BK10Z-../D06LA4	24	7000	-
0.06	3.0	129	1.7	459.2	BK10G06-../D06LA4	28	7000	-
0.06	2.7	144	1.55	501.4	BK10G06-../D06LA4	28	7000	-
0.06	2.5	157	1.4	552.3	BK10G06-../D06LA4	28	7000	-
0.06	2.2	180	1.2	635.5	BK10G06-../D06LA4	28	7000	-
0.06	1.8	220	1.0	789.7	BK10G06-../D06LA4	28	7000	-
0.06	1.5	265	0.83	929.3	BK10G06-../D06LA4	28	7000	-
0.06	4.6	100	3.1	298.2	BK20Z-../D06LA4	34	8700	9000
0.06	3.7	123	2.4	367.7	BK20Z-../D06LA4	34	8700	9000
0.06	3.2	120	3.0	429.7	BK20G06-../D06LA4	38	8700	9000
0.06	2.9	133	2.7	480.4	BK20G06-../D06LA4	38	8700	9000
0.06	2.6	149	2.4	524.5	BK20G06-../D06LA4	38	8700	9000
0.06	2.2	178	2.0	630.0	BK20G06-../D06LA4	38	8700	9000
0.06	1.8	220	1.65	757.0	BK20G06-../D06LA4	38	8700	9000
0.06	1.6	245	1.45	891.2	BK20G06-../D06LA4	38	8700	9000
0.06	1.3	305	1.2	1066	BK20G06-../D06LA4	38	8700	9000
0.06	1.1	360	1.0	1305	BK20G06-../D06LA4	38	8700	9000
0.06	3.6	128	3.1	380.7	BK30Z-../D06LA4	41	11200	12000
0.06	3.1	147	2.6	441.3	BK30Z-../D06LA4	41	11200	12000
0.06	2.4	163	3.0	567.0	BK30G06-../D06LA4	44	11200	12000
0.06	2.1	188	2.6	652.5	BK30G06-../D06LA4	44	11200	12000
0.06	1.9	210	2.3	743.0	BK30G06-../D06LA4	44	11200	12000
0.06	1.7	235	2.1	810.9	BK30G06-../D06LA4	44	11200	12000
0.06	1.5	265	1.85	954.1	BK30G06-../D06LA4	44	11200	12000
0.06	1.2	330	1.5	1142	BK30G06-../D06LA4	44	11200	12000
0.06	1.1	360	1.35	1281	BK30G06-../D06LA4	44	11200	12000

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

BK-series bevel geared motors

Selection - bevel geared motors DSE - IE1

0.06 kW

P _N	50 Hz			i	Typ	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
0.06	0.85	475	1.05	1620	BK30G06-../D06LA4	44	11200	12000
0.06	1.2	290	2.9	1189	BK40G10-../D06LA4	68	11700	17000
0.06	0.95	380	2.2	1428	BK40G10-../D06LA4	68	11700	17000
0.06	0.8	465	1.85	1798	BK40G10-../D06LA4	68	11700	17000
0.06	0.65	580	1.45	2108	BK40G10-../D06LA4	68	11700	17000
0.06	0.6	640	1.35	2350	BK40G10-../D06LA4	68	11700	17000
0.06	0.55	700	1.2	2604	BK40G10-../D06LA4	68	11700	17000
0.06	1.0	370	3.1	1398	BK50G10-../D06LA4	96	14100	111000
0.06	0.9	415	2.8	1549	BK50G10-../D06LA4	96	14100	111000
0.06	0.75	510	2.3	1816	BK50G10-../D06LA4	96	14100	111000
0.06	0.7	550	2.1	2024	BK50G10-../D06LA4	96	14100	111000
0.06	0.6	630	1.85	2450	BK50G10-../D06LA4	96	14100	111000
0.06	0.5	760	1.5	2730	BK50G10-../D06LA4	96	14100	111000
0.06	0.45	850	1.35	3025	BK50G10-../D06LA4	96	14100	111000
0.06	0.39	960	1.2	3492	BK50G10-../D06LA4	96	14100	111000
0.06	0.35	1080	1.05	3870	BK50G10-../D06LA4	96	14100	111000
0.06	0.39	920	2.7	3533	BK60G20-../D06LA4	123	16600	34000
0.06	0.32	1240	2.0	4239	BK60G20-../D06LA4	123	16600	34000
0.06	0.27	1570	1.6	5072	BK60G20-../D06LA4	123	16600	34000
0.06	0.24	1830	1.35	5721	BK60G20-../D06LA4	123	16600	34000
0.06	0.21	2150	1.15	6565	BK60G20-../D06LA4	123	16600	34000
0.06	0.19	2450	1.0	7291	BK60G20-../D06LA4	123	16600	34000
0.06	0.21	2000	2.9	6504	BK70G20-../D06LA4	201	24100	50000
0.06	0.17	2650	2.2	8149	BK70G20-../D06LA4	201	24100	50000
0.06	0.15	3100	1.85	9351	BK70G20-../D06LA4	201	24100	50000

8

0.09 kW

P _N	50 Hz			i	Typ	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
0.09	89	8.7	9.2	15.29	BK06-../D04LA4	7.6	1020	-
0.09	75	10.3	7.8	18.00	BK06-../D04LA4	7.6	1080	-
0.09	63	12.2	6.6	21.54	BK06-../D04LA4	7.6	1150	-
0.09	52	14.8	5.4	26.36	BK06-../D04LA4	7.6	1230	-
0.09	41	18.8	4.3	33.33	BK06-../D04LA4	7.6	1320	-
0.09	35.5	21.5	3.7	38.18	BK06-../D04LA4	7.6	1380	-
0.09	28.5	26.5	3.0	47.78	BK06-../D04LA4	7.6	1500	-
0.09	25	30.5	2.2	54.38	BK06-../D04LA4	7.6	1600	-
0.09	21.5	35.5	1.8	63.33	BK06-../D04LA4	7.6	1700	-
0.09	13.5	54	2.9	102.5	BK10-../D06LA4	23	7000	-
0.09	11.5	63	2.2	120.3	BK10Z-../D06LA4	24	7000	-
0.09	9.5	75	2.2	143.2	BK10Z-../D06LA4	24	7000	-
0.09	8.0	89	2.2	170.6	BK10Z-../D06LA4	24	7000	-
0.09	6.6	106	1.9	204.7	BK10Z-../D06LA4	24	7000	-
0.09	5.3	132	1.5	257.9	BK10Z-../D06LA4	24	7000	-
0.09	4.5	154	1.2	302.4	BK10Z-../D06LA4	24	7000	-
0.09	3.7	188	0.88	373.4	BK10Z-../D06LA4	24	7000	-
0.09	3.3	186	1.2	410.8	BK10G06-../D06LA4	28	7000	-
0.09	3.0	205	1.05	459.2	BK10G06-../D06LA4	28	7000	-
0.09	2.7	225	0.98	501.4	BK10G06-../D06LA4	28	7000	-
0.09	2.5	245	0.9	552.3	BK10G06-../D06LA4	28	7000	-
0.09	6.6	106	3.1	207.5	BK20Z-../D06LA4	34	8700	9000
0.09	5.2	135	2.4	259.9	BK20Z-../D06LA4	34	8700	9000
0.09	4.6	151	2.1	298.2	BK20Z-../D06LA4	34	8700	9000
0.09	3.7	185	1.6	367.7	BK20Z-../D06LA4	34	8700	9000
0.09	3.2	192	1.9	429.7	BK20G06-../D06LA4	38	8700	9000
0.09	2.9	210	1.7	480.4	BK20G06-../D06LA4	38	8700	9000
0.09	2.6	235	1.55	524.5	BK20G06-../D06LA4	38	8700	9000
0.09	2.2	280	1.3	630.0	BK20G06-../D06LA4	38	8700	9000

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

BK-series bevel geared motors

Selection - bevel geared motors DSE - IE1

0.09 kW

P _N	50 Hz			i	Typ	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
0.09	1.8	345	1.05	757.0	BK20G06-../D06LA4	38	8700	9000
0.09	1.6	385	0.94	891.2	BK20G06-../D06LA4	38	8700	9000
0.09	4.4	160	2.4	308.3	BK30Z-../D06LA4	41	11200	12000
0.09	3.6	193	2.1	380.7	BK30Z-../D06LA4	41	11200	12000
0.09	3.1	220	1.75	441.3	BK30Z-../D06LA4	41	11200	12000
0.09	2.9	210	2.3	471.5	BK30G06-../D06LA4	44	11200	12000
0.09	2.4	255	1.9	567.0	BK30G06-../D06LA4	44	11200	12000
0.09	2.1	295	1.65	652.5	BK30G06-../D06LA4	44	11200	12000
0.09	1.9	325	1.5	743.0	BK30G06-../D06LA4	44	11200	12000
0.09	1.7	365	1.35	810.9	BK30G06-../D06LA4	44	11200	12000
0.09	1.5	410	1.2	954.1	BK30G06-../D06LA4	44	11200	12000
0.09	1.2	510	0.96	1142	BK30G06-../D06LA4	44	11200	12000
0.09	1.1	560	0.88	1281	BK30G06-../D06LA4	44	11200	12000
0.09	3.9	178	3.3	348.7	BK40Z-../D06LA4	64	11700	17000
0.09	3.2	210	2.7	430.0	BK40Z-../D06LA4	64	11700	17000
0.09	1.8	295	2.9	756.7	BK40G10-../D06LA4	68	11700	17000
0.09	1.7	320	2.7	838.4	BK40G10-../D06LA4	68	11700	17000
0.09	1.4	400	2.1	998.3	BK40G10-../D06LA4	68	11700	17000
0.09	1.2	475	1.8	1189	BK40G10-../D06LA4	68	11700	17000
0.09	0.95	610	1.4	1428	BK40G10-../D06LA4	68	11700	17000
0.09	0.8	730	1.15	1798	BK40G10-../D06LA4	68	11700	17000
0.09	1.6	350	3.3	859.8	BK50G10-../D06LA4	96	14100	111000
0.09	1.4	410	2.8	1024	BK50G10-../D06LA4	96	14100	111000
0.09	1.1	530	2.2	1230	BK50G10-../D06LA4	96	14100	111000
0.09	1.0	590	1.95	1398	BK50G10-../D06LA4	96	14100	111000
0.09	0.9	660	1.75	1549	BK50G10-../D06LA4	96	14100	111000
0.09	0.75	790	1.45	1816	BK50G10-../D06LA4	96	14100	111000
0.09	0.7	850	1.35	2024	BK50G10-../D06LA4	96	14100	111000
0.09	0.6	980	1.15	2450	BK50G10-../D06LA4	96	14100	111000
0.09	0.7	750	3.3	2010	BK60G20-../D06LA4	123	16600	34000
0.09	0.6	930	2.7	2371	BK60G20-../D06LA4	123	16600	34000
0.09	0.5	1180	2.1	2733	BK60G20-../D06LA4	123	16600	34000
0.09	0.45	1360	1.85	3036	BK60G20-../D06LA4	123	16600	34000
0.09	0.39	1650	1.5	3533	BK60G20-../D06LA4	123	16600	34000
0.09	0.32	2100	1.2	4239	BK60G20-../D06LA4	123	16600	34000
0.09	0.35	1750	3.3	3894	BK70G20-../D06LA4	201	24100	50000
0.09	0.3	2150	2.7	4531	BK70G20-../D06LA4	201	24100	50000
0.09	0.25	2700	2.1	5436	BK70G20-../D06LA4	201	24100	50000
0.09	0.21	3350	1.7	6504	BK70G20-../D06LA4	201	24100	50000
0.09	0.17	4350	1.3	8149	BK70G20-../D06LA4	201	24100	50000
0.09	0.15	5000	1.15	9351	BK70G20-../D06LA4	201	24100	50000

0.11 kW

P _N	50 Hz			i	Typ	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
0.11	116	8.3	9.6	11.67	BK06-../D04LA4	7.6	930	-
0.11	89	10.7	7.5	15.29	BK06-../D04LA4	7.6	1020	-
0.11	75	12.6	6.3	18.00	BK06-../D04LA4	7.6	1080	-
0.11	63	15	5.3	21.54	BK06-../D04LA4	7.6	1150	-
0.11	52	18.1	4.4	26.36	BK06-../D04LA4	7.6	1230	-
0.11	41	23	3.5	33.33	BK06-../D04LA4	7.6	1320	-
0.11	35.5	26.5	3.0	38.18	BK06-../D04LA4	7.6	1380	-
0.11	28.5	32.5	2.5	47.78	BK06-../D04LA4	7.6	1500	-
0.11	25	37	1.85	54.38	BK06-../D04LA4	7.6	1600	-
0.11	21.5	43	1.5	63.33	BK06-../D04LA4	7.6	1700	-
0.11	11.5	77	1.8	120.3	BK10Z-../D04LA4	21	7000	-
0.11	9.5	92	1.75	143.2	BK10Z-../D04LA4	21	7000	-
0.11	8.0	108	1.85	170.6	BK10Z-../D04LA4	21	7000	-

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

BK-series bevel geared motors

Selection - bevel geared motors DSE - IE1

0.11 kW

P _N	50 Hz			i	Typ	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
0.11	6.6	130	1.55	204.7	BK10Z-../D04LA4	21	7000	-
0.11	5.3	162	1.25	257.9	BK10Z-../D04LA4	21	7000	-
0.11	4.5	189	0.97	302.4	BK10Z-../D04LA4	21	7000	-
0.11	4.0	191	1.15	343.2	BK10G06-../D04LA4	25	7000	-
0.11	3.3	230	0.96	410.8	BK10G06-../D04LA4	25	7000	-
0.11	3.0	255	0.86	459.2	BK10G06-../D04LA4	25	7000	-
0.11	2.7	220*	1.0	501.4	BK10G06-../D04LA4	25	7000	-
0.11	2.5	220*	1.0	552.3	BK10G06-../D04LA4	25	7000	-
0.11	2.2	220*	1.0	635.5	BK10G06-../D04LA4	25	7000	-
0.11	1.8	220*	1.0	789.7	BK10G06-../D04LA4	25	7000	-
0.11	1.5	220*	1.0	929.3	BK10G06-../D04LA4	25	7000	-
0.11	1.3	220*	1.0	1112	BK10G06-../D04LA4	25	7000	-
0.11	1.0	220*	1.0	1361	BK10G06-../D04LA4	25	7000	-
0.11	0.9	220*	1.0	1577	BK10G06-../D04LA4	25	7000	-
0.11	0.7	220*	1.0	1971	BK10G06-../D04LA4	25	7000	-
0.11	0.6	220*	1.0	2261	BK10G06-../D04LA4	25	7000	-
0.11	0.55	220*	1.0	2467	BK10G06-../D04LA4	25	7000	-
0.11	0.48	220*	1.0	2849	BK10G06-../D04LA4	25	7000	-
0.11	0.44	220*	1.0	3107	BK10G06-../D04LA4	25	7000	-
0.11	0.39	220*	1.0	3537	BK10G06-../D04LA4	25	7000	-
0.11	0.33	220*	1.0	4120	BK10G06-../D04LA4	25	7000	-
0.11	7.8	111	3.0	173.4	BK20Z-../D04LA4	31	8700	9000
0.11	6.6	130	2.5	207.5	BK20Z-../D04LA4	31	8700	9000
0.11	5.2	165	2.0	259.9	BK20Z-../D04LA4	31	8700	9000
0.11	4.6	184	1.7	298.2	BK20Z-../D04LA4	31	8700	9000
0.11	3.7	225	1.3	367.7	BK20Z-../D04LA4	31	8700	9000
0.11	3.2	235	1.55	429.7	BK20G06-../D04LA4	34	8700	9000
0.11	2.9	260	1.4	480.4	BK20G06-../D04LA4	34	8700	9000
0.11	2.6	295	1.2	524.5	BK20G06-../D04LA4	34	8700	9000
0.11	2.2	345	1.05	630.0	BK20G06-../D04LA4	34	8700	9000
0.11	1.8	425	0.85	757.0	BK20G06-../D04LA4	34	8700	9000
0.11	1.6	360*	1.0	891.2	BK20G06-../D04LA4	34	8700	9000
0.11	1.3	360*	1.0	1066	BK20G06-../D04LA4	34	8700	9000
0.11	1.1	360*	1.0	1305	BK20G06-../D04LA4	34	8700	9000
0.11	0.95	360*	1.0	1424	BK20G06-../D04LA4	34	8700	9000
0.11	0.85	360*	1.0	1650	BK20G06-../D04LA4	34	8700	9000
0.11	0.7	360*	1.0	2062	BK20G06-../D04LA4	34	8700	9000
0.11	0.6	360*	1.0	2366	BK20G06-../D04LA4	34	8700	9000
0.11	0.55	360*	1.0	2580	BK20G06-../D04LA4	34	8700	9000
0.11	0.48	360*	1.0	2831	BK20G06-../D04LA4	34	8700	9000
0.11	0.44	360*	1.0	3088	BK20G06-../D04LA4	34	8700	9000
0.11	0.39	360*	1.0	3515	BK20G06-../D04LA4	34	8700	9000
0.11	0.33	360*	1.0	4094	BK20G06-../D04LA4	34	8700	9000
0.11	2.9	260	1.9	471.5	BK30G06-../D04LA4	40	11200	12000
0.11	2.4	320	1.55	567.0	BK30G06-../D04LA4	40	11200	12000
0.11	2.1	365	1.35	652.5	BK30G06-../D04LA4	40	11200	12000
0.11	1.9	405	1.2	743.0	BK30G06-../D04LA4	40	11200	12000
0.11	1.7	450	1.1	810.9	BK30G06-../D04LA4	40	11200	12000
0.11	1.5	510	0.96	954.1	BK30G06-../D04LA4	40	11200	12000
0.11	1.2	490*	1.0	1142	BK30G06-../D04LA4	40	11200	12000
0.11	1.1	490*	1.0	1281	BK30G06-../D04LA4	40	11200	12000
0.11	0.85	490*	1.0	1620	BK30G06-../D04LA4	40	11200	12000
0.11	0.8	490*	1.0	1767	BK30G06-../D04LA4	40	11200	12000
0.11	0.7	490*	1.0	2024	BK30G06-../D04LA4	40	11200	12000
0.11	0.55	490*	1.0	2533	BK30G06-../D04LA4	40	11200	12000
0.11	0.5	490*	1.0	2738	BK30G06-../D04LA4	40	11200	12000
0.11	0.46	490*	1.0	2986	BK30G06-../D04LA4	40	11200	12000
0.11	0.4	490*	1.0	3399	BK30G06-../D04LA4	40	11200	12000
0.11	0.35	490*	1.0	3959	BK30G06-../D04LA4	40	11200	12000

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

BK-series bevel geared motors

Selection - bevel geared motors DSE - IE1

0.12 kW

P _N	50 Hz			i	Typ	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
0.12	116	9.0	8.9	11.67	BK06-../DSE04LA4	7.6	930	-
0.12	89	11.7	6.8	15.29	BK06-../DSE04LA4	7.6	1020	-
0.12	75	13.7	5.8	18.00	BK06-../DSE04LA4	7.6	1080	-
0.12	63	16.3	4.9	21.54	BK06-../DSE04LA4	7.6	1150	-
0.12	52	19.8	4.0	26.36	BK06-../DSE04LA4	7.6	1230	-
0.12	41	25	3.2	33.33	BK06-../DSE04LA4	7.6	1320	-
0.12	35.5	29	2.8	38.18	BK06-../DSE04LA4	7.6	1380	-
0.12	28.5	35.5	2.3	47.78	BK06-../DSE04LA4	7.6	1500	-
0.12	25	40.5	1.7	54.38	BK06-../DSE04LA4	7.6	1600	-
0.12	21.5	47	1.35	63.33	BK06-../DSE04LA4	7.6	1700	-
0.12	11.5	84	1.65	120.3	BK10Z-../DSE04LA4	21	7000	-
0.12	9.5	101	1.6	143.2	BK10Z-../DSE04LA4	21	7000	-
0.12	8.0	118	1.7	170.6	BK10Z-../DSE04LA4	21	7000	-
0.12	6.6	142	1.4	204.7	BK10Z-../DSE04LA4	21	7000	-
0.12	5.3	177	1.15	257.9	BK10Z-../DSE04LA4	21	7000	-
0.12	4.5	205	0.9	302.4	BK10Z-../DSE04LA4	21	7000	-
0.12	4.0	210	1.05	343.2	BK10G06-../DSE04LA4	25	7000	-
0.12	3.3	255	0.86	410.8	BK10G06-../DSE04LA4	25	7000	-
0.12	3.0	220*	1.0	459.2	BK10G06-../DSE04LA4	25	7000	-
0.12	2.7	220*	1.0	501.4	BK10G06-../DSE04LA4	25	7000	-
0.12	2.5	220*	1.0	552.3	BK10G06-../DSE04LA4	25	7000	-
0.12	2.2	220*	1.0	635.5	BK10G06-../DSE04LA4	25	7000	-
0.12	1.8	220*	1.0	789.7	BK10G06-../DSE04LA4	25	7000	-
0.12	1.5	220*	1.0	929.3	BK10G06-../DSE04LA4	25	7000	-
0.12	1.3	220*	1.0	1112	BK10G06-../DSE04LA4	25	7000	-
0.12	1.0	220*	1.0	1361	BK10G06-../DSE04LA4	25	7000	-
0.12	0.9	220*	1.0	1577	BK10G06-../DSE04LA4	25	7000	-
0.12	0.7	220*	1.0	1971	BK10G06-../DSE04LA4	25	7000	-
0.12	0.6	220*	1.0	2261	BK10G06-../DSE04LA4	25	7000	-
0.12	0.55	220*	1.0	2467	BK10G06-../DSE04LA4	25	7000	-
0.12	0.48	220*	1.0	2849	BK10G06-../DSE04LA4	25	7000	-
0.12	0.44	220*	1.0	3107	BK10G06-../DSE04LA4	25	7000	-
0.12	0.39	220*	1.0	3537	BK10G06-../DSE04LA4	25	7000	-
0.12	0.33	220*	1.0	4120	BK10G06-../DSE04LA4	25	7000	-
0.12	14	70	3.3	96.99	BK20Z-../DSE04LA4	31	8700	9000
0.12	9.4	102	3.2	144.5	BK20Z-../DSE04LA4	31	8700	9000
0.12	7.8	121	2.7	173.4	BK20Z-../DSE04LA4	31	8700	9000
0.12	6.6	142	2.3	207.5	BK20Z-../DSE04LA4	31	8700	9000
0.12	5.2	180	1.85	259.9	BK20Z-../DSE04LA4	31	8700	9000
0.12	4.6	200	1.55	298.2	BK20Z-../DSE04LA4	31	8700	9000
0.12	3.7	245	1.2	367.7	BK20Z-../DSE04LA4	31	8700	9000
0.12	3.2	260	1.4	429.7	BK20G06-../DSE04LA4	34	8700	9000
0.12	2.9	290	1.25	480.4	BK20G06-../DSE04LA4	34	8700	9000
0.12	2.6	320	1.15	524.5	BK20G06-../DSE04LA4	34	8700	9000
0.12	2.2	380	0.95	630.0	BK20G06-../DSE04LA4	34	8700	9000
0.12	1.8	360*	1.0	757.0	BK20G06-../DSE04LA4	34	8700	9000
0.12	1.6	360*	1.0	891.2	BK20G06-../DSE04LA4	34	8700	9000
0.12	1.3	360*	1.0	1066	BK20G06-../DSE04LA4	34	8700	9000
0.12	1.1	360*	1.0	1305	BK20G06-../DSE04LA4	34	8700	9000
0.12	0.95	360*	1.0	1424	BK20G06-../DSE04LA4	34	8700	9000
0.12	0.85	360*	1.0	1650	BK20G06-../DSE04LA4	34	8700	9000
0.12	0.7	360*	1.0	2062	BK20G06-../DSE04LA4	34	8700	9000
0.12	0.6	360*	1.0	2366	BK20G06-../DSE04LA4	34	8700	9000
0.12	0.55	360*	1.0	2580	BK20G06-../DSE04LA4	34	8700	9000
0.12	0.48	360*	1.0	2831	BK20G06-../DSE04LA4	34	8700	9000
0.12	0.44	360*	1.0	3088	BK20G06-../DSE04LA4	34	8700	9000
0.12	0.39	360*	1.0	3515	BK20G06-../DSE04LA4	34	8700	9000
0.12	0.33	360*	1.0	4094	BK20G06-../DSE04LA4	34	8700	9000
0.12	2.9	290	1.7	471.5	BK30G06-../DSE04LA4	40	11200	12000
0.12	2.4	350	1.4	567.0	BK30G06-../DSE04LA4	40	11200	12000
0.12	2.1	400	1.25	652.5	BK30G06-../DSE04LA4	40	11200	12000
0.12	1.9	445	1.1	743.0	BK30G06-../DSE04LA4	40	11200	12000
0.12	1.7	495	0.99	810.9	BK30G06-../DSE04LA4	40	11200	12000
0.12	1.5	560	0.88	954.1	BK30G06-../DSE04LA4	40	11200	12000
0.12	1.2	490*	1.0	1142	BK30G06-../DSE04LA4	40	11200	12000
0.12	1.1	490*	1.0	1281	BK30G06-../DSE04LA4	40	11200	12000
0.12	0.85	490*	1.0	1620	BK30G06-../DSE04LA4	40	11200	12000

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

BK-series bevel geared motors

Selection - bevel geared motors DSE - IE1

0.12 kW

P _N	50 Hz			i	Typ	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
0.12	0.8	490*	1.0	1767	BK30G06-../DSE04LA4	40	11200	12000
0.12	0.7	490*	1.0	2024	BK30G06-../DSE04LA4	40	11200	12000
0.12	0.55	490*	1.0	2533	BK30G06-../DSE04LA4	40	11200	12000
0.12	0.5	490*	1.0	2738	BK30G06-../DSE04LA4	40	11200	12000
0.12	0.46	490*	1.0	2986	BK30G06-../DSE04LA4	40	11200	12000
0.12	0.4	490*	1.0	3399	BK30G06-../DSE04LA4	40	11200	12000
0.12	0.35	490*	1.0	3959	BK30G06-../DSE04LA4	40	11200	12000

0.18 kW

P _N	50 Hz			i	Typ	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
0.18	140	11.2	7.1	9.71	BK06-../DSE05LA4	9.5	880	-
0.18	116	13.6	5.9	11.67	BK06-../DSE05LA4	9.5	930	-
0.18	89	17.5	4.6	15.29	BK06-../DSE05LA4	9.5	1020	-
0.18	75	20.5	3.9	18.00	BK06-../DSE05LA4	9.5	1080	-
0.18	63	24.5	3.3	21.54	BK06-../DSE05LA4	9.5	1150	-
0.18	52	29.5	2.7	26.36	BK06-../DSE05LA4	9.5	1230	-
0.18	41	37.5	2.1	33.33	BK06-../DSE05LA4	9.5	1320	-
0.18	35.5	43.5	1.85	38.18	BK06-../DSE05LA4	9.5	1380	-
0.18	28.5	53	1.5	47.78	BK06-../DSE05LA4	9.5	1500	-
0.18	25	61	1.1	54.38	BK06-../DSE05LA4	9.5	1600	-
0.18	21.5	71	0.89	63.33	BK06-../DSE05LA4	9.5	1700	-
0.18	22	69	2.9	61.68	BK10-../DSE06LA4	23	7000	-
0.18	19	79	2.5	72.31	BK10-../DSE06LA4	23	7000	-
0.18	15.5	96	1.85	89.30	BK10-../DSE06LA4	23	7000	-
0.18	13.5	108	1.45	102.5	BK10-../DSE06LA4	23	7000	-
0.18	11.5	127	1.1	120.3	BK10Z-../DSE06LA4	24	7000	-
0.18	9.5	151	1.1	143.2	BK10Z-../DSE06LA4	24	7000	-
0.18	8.0	178	1.1	170.6	BK10Z-../DSE06LA4	24	7000	-
0.18	6.6	210	0.95	204.7	BK10Z-../DSE06LA4	24	7000	-
0.18	12.5	118	2.7	108.6	BK20-../DSE06LA4	33	8700	9000
0.18	11	132	2.5	124.2	BK20Z-../DSE06LA4	34	8700	9000
0.18	9.4	153	2.2	144.5	BK20Z-../DSE06LA4	34	8700	9000
0.18	7.8	182	1.8	173.4	BK20Z-../DSE06LA4	34	8700	9000
0.18	6.6	210	1.55	207.5	BK20Z-../DSE06LA4	34	8700	9000
0.18	5.2	270	1.2	259.9	BK20Z-../DSE06LA4	34	8700	9000
0.18	4.6	300	1.05	298.2	BK20Z-../DSE06LA4	34	8700	9000
0.18	3.8	340	1.05	359.1	BK20G06-../DSE06LA4	38	8700	9000
0.18	3.2	405	0.89	429.7	BK20G06-../DSE06LA4	38	8700	9000
0.18	2.9	445	0.81	480.4	BK20G06-../DSE06LA4	38	8700	9000
0.18	9.4	153	2.9	145.1	BK30Z-../DSE06LA4	41	11200	12000
0.18	7.4	192	2.3	184.8	BK30Z-../DSE06LA4	41	11200	12000
0.18	6.3	220	2.0	216.5	BK30Z-../DSE06LA4	41	11200	12000
0.18	5.3	265	1.7	255.3	BK30Z-../DSE06LA4	41	11200	12000
0.18	4.4	320	1.2	308.3	BK30Z-../DSE06LA4	41	11200	12000
0.18	3.6	385	1.05	380.7	BK30Z-../DSE06LA4	41	11200	12000
0.18	3.1	440	0.87	441.3	BK30Z-../DSE06LA4	41	11200	12000
0.18	2.9	445	1.1	471.5	BK30G06-../DSE06LA4	44	11200	12000
0.18	2.4	540	0.91	567.0	BK30G06-../DSE06LA4	44	11200	12000
0.18	2.1	610	0.8	652.5	BK30G06-../DSE06LA4	44	11200	12000
0.18	5.5	250	3.1	246.6	BK40Z-../DSE06LA4	64	11700	17000
0.18	4.7	295	2.3	289.8	BK40Z-../DSE06LA4	64	11700	17000
0.18	3.9	355	1.65	348.7	BK40Z-../DSE06LA4	64	11700	17000
0.18	3.2	425	1.35	430.0	BK40Z-../DSE06LA4	64	11700	17000
0.18	2.8	420	2.0	487.3	BK40G10-../DSE06LA4	68	11700	17000
0.18	2.5	470	1.8	540.0	BK40G10-../DSE06LA4	68	11700	17000
0.18	2.1	560	1.5	660.2	BK40G10-../DSE06LA4	68	11700	17000
0.18	1.8	660	1.3	756.7	BK40G10-../DSE06LA4	68	11700	17000
0.18	1.7	710	1.2	838.4	BK40G10-../DSE06LA4	68	11700	17000
0.18	1.4	870	0.98	998.3	BK40G10-../DSE06LA4	68	11700	17000

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

BK-series bevel geared motors

Selection - bevel geared motors DSE - IE1

0.18 kW

P _N	50 Hz			i	Typ	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
0.18	1.2	1020	0.83	1189	BK40G10-../DSE06LA4	68	11700	17000
0.18	4.2	330	3.1	328.2	BK50Z-../DSE06LA4	92	14100	26000
0.18	3.3	415	2.0	414.8	BK50Z-../DSE06LA4	92	14100	26000
0.18	3.0	395	2.9	465.1	BK50G10-../DSE06LA4	96	14100	111000
0.18	2.7	440	2.6	513.4	BK50G10-../DSE06LA4	96	14100	111000
0.18	2.4	500	2.3	568.6	BK50G10-../DSE06LA4	96	14100	111000
0.18	2.1	570	2.0	651.7	BK50G10-../DSE06LA4	96	14100	111000
0.18	1.9	640	1.8	722.2	BK50G10-../DSE06LA4	96	14100	111000
0.18	1.6	760	1.5	859.8	BK50G10-../DSE06LA4	96	14100	111000
0.18	1.4	880	1.3	1024	BK50G10-../DSE06LA4	96	14100	111000
0.18	1.1	1120	1.05	1230	BK50G10-../DSE06LA4	96	14100	111000
0.18	1.0	1240	0.93	1398	BK50G10-../DSE06LA4	96	14100	111000
0.18	1.4	920	2.7	1016	BK60G20-../DSE06LA4	123	16600	34000
0.18	1.1	1220	2.0	1322	BK60G20-../DSE06LA4	123	16600	34000
0.18	0.85	1610	1.55	1618	BK60G20-../DSE06LA4	123	16600	34000
0.18	0.75	1830	1.35	1810	BK60G20-../DSE06LA4	123	16600	34000
0.18	0.7	1980	1.25	2010	BK60G20-../DSE06LA4	123	16600	34000
0.18	0.6	2350	1.05	2371	BK60G20-../DSE06LA4	123	16600	34000
0.18	0.8	1720	3.3	1696	BK70G20-../DSE06LA4	201	24100	50000
0.18	0.7	1940	2.9	2040	BK70G20-../DSE06LA4	201	24100	50000
0.18	0.55	2500	2.3	2578	BK70G20-../DSE06LA4	201	24100	50000
0.18	0.45	3150	1.8	3041	BK70G20-../DSE06LA4	201	24100	50000
0.18	0.39	3700	1.55	3505	BK70G20-../DSE06LA4	201	24100	50000
0.18	0.35	4200	1.35	3894	BK70G20-../DSE06LA4	201	24100	50000
0.18	0.3	5000	1.15	4531	BK70G20-../DSE06LA4	201	24100	50000

0.25 kW

P _N	50 Hz			i	Typ	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
0.25	140	15.6	5.1	9.71	BK06-../DSE05LA4	9.5	880	-
0.25	116	18.9	4.2	11.67	BK06-../DSE05LA4	9.5	930	-
0.25	89	24	3.3	15.29	BK06-../DSE05LA4	9.5	1020	-
0.25	75	28.5	2.8	18.00	BK06-../DSE05LA4	9.5	1080	-
0.25	63	34	2.4	21.54	BK06-../DSE05LA4	9.5	1150	-
0.25	52	41	1.95	26.36	BK06-../DSE05LA4	9.5	1230	-
0.25	41	52	1.55	33.33	BK06-../DSE05LA4	9.5	1320	-
0.25	35.5	60	1.35	38.18	BK06-../DSE05LA4	9.5	1380	-
0.25	28.5	74	1.1	47.78	BK06-../DSE05LA4	9.5	1500	-
0.25	25	84	0.81	54.38	BK06-../DSE05LA4	9.5	1600	-
0.25	33.5	64	3.1	40.79	BK10-../DSE06LA4	23	6000	-
0.25	28	75	2.7	48.96	BK10-../DSE06LA4	23	6400	-
0.25	22	96	2.1	61.68	BK10-../DSE06LA4	23	7000	-
0.25	19	110	1.8	72.31	BK10-../DSE06LA4	23	7000	-
0.25	15.5	134	1.35	89.30	BK10-../DSE06LA4	23	7000	-
0.25	13.5	150	1.05	102.5	BK10-../DSE06LA4	23	7000	-
0.25	8.0	245	0.82	170.6	BK10Z-../DSE06LA4	24	7000	-
0.25	18	116	2.8	76.79	BK20-../DSE06LA4	33	7500	9000
0.25	15.5	134	2.5	88.12	BK20-../DSE06LA4	33	8000	9000
0.25	12.5	164	1.9	108.6	BK20-../DSE06LA4	33	8700	9000
0.25	11	184	1.8	124.2	BK20Z-../DSE06LA4	34	8700	9000
0.25	9.4	210	1.55	144.5	BK20Z-../DSE06LA4	34	8700	9000
0.25	7.8	250	1.3	173.4	BK20Z-../DSE06LA4	34	8700	9000
0.25	6.6	295	1.1	207.5	BK20Z-../DSE06LA4	34	8700	9000
0.25	5.2	375	0.88	259.9	BK20Z-../DSE06LA4	34	8700	9000
0.25	13.5	150	3.0	102.4	BK30-../DSE06LA4	39	11200	12000
0.25	11	184	2.4	123.9	BK30Z-../DSE06LA4	41	11200	12000
0.25	9.4	210	2.1	145.1	BK30Z-../DSE06LA4	41	11200	12000
0.25	7.4	265	1.7	184.8	BK30Z-../DSE06LA4	41	11200	12000

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

BK-series bevel geared motors

Selection - bevel geared motors DSE - IE1

0.25 kW

P _N	50 Hz			i	Typ	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
0.25	6.3	310	1.45	216.5	BK30Z-../DSE06LA4	41	11200	12000
0.25	5.3	365	1.25	255.3	BK30Z-../DSE06LA4	41	11200	12000
0.25	4.4	440	0.88	308.3	BK30Z-../DSE06LA4	41	11200	12000
0.25	8.0	245	3.2	169.0	BK40Z-../DSE06LA4	64	11700	17000
0.25	6.4	305	2.6	211.5	BK40Z-../DSE06LA4	64	11700	17000
0.25	5.5	350	2.2	246.6	BK40Z-../DSE06LA4	64	11700	17000
0.25	4.7	410	1.65	289.8	BK40Z-../DSE06LA4	64	11700	17000
0.25	3.9	495	1.15	348.7	BK40Z-../DSE06LA4	64	11700	17000
0.25	3.2	590	0.97	430.0	BK40Z-../DSE06LA4	64	11700	17000
0.25	2.8	610	1.4	487.3	BK40G10-../DSE06LA4	68	11700	17000
0.25	2.5	680	1.25	540.0	BK40G10-../DSE06LA4	68	11700	17000
0.25	2.1	810	1.05	660.2	BK40G10-../DSE06LA4	68	11700	17000
0.25	1.8	950	0.89	756.7	BK40G10-../DSE06LA4	68	11700	17000
0.25	1.7	1020	0.83	838.4	BK40G10-../DSE06LA4	68	11700	17000
0.25	5.2	370	2.8	264.5	BK50Z-../DSE06LA4	92	14100	26000
0.25	4.2	460	2.2	328.2	BK50Z-../DSE06LA4	92	14100	26000
0.25	3.3	570	1.5	414.8	BK50Z-../DSE06LA4	92	14100	26000
0.25	3.0	570	2.0	465.1	BK50G10-../DSE06LA4	96	14100	111000
0.25	2.7	630	1.85	513.4	BK50G10-../DSE06LA4	96	14100	111000
0.25	2.4	720	1.6	568.6	BK50G10-../DSE06LA4	96	14100	111000
0.25	2.1	820	1.4	651.7	BK50G10-../DSE06LA4	96	14100	111000
0.25	1.9	910	1.25	722.2	BK50G10-../DSE06LA4	96	14100	111000
0.25	1.6	1090	1.05	859.8	BK50G10-../DSE06LA4	96	14100	111000
0.25	1.4	1250	0.92	1024	BK50G10-../DSE06LA4	96	14100	111000
0.25	2.2	820	3.0	621.5	BK60G20-../DSE06LA4	123	16600	34000
0.25	1.8	1010	2.5	752.1	BK60G20-../DSE06LA4	123	16600	34000
0.25	1.6	1150	2.2	887.8	BK60G20-../DSE06LA4	123	16600	34000
0.25	1.4	1400	1.8	1016	BK60G20-../DSE06LA4	123	16600	34000
0.25	1.1	1830	1.35	1322	BK60G20-../DSE06LA4	123	16600	34000
0.25	0.85	2350	1.05	1618	BK60G20-../DSE06LA4	123	16600	34000
0.25	1.1	1790	3.2	1280	BK70G20-../DSE06LA4	201	24100	50000
0.25	0.95	2050	2.8	1457	BK70G20-../DSE06LA4	201	24100	50000
0.25	0.8	2550	2.2	1696	BK70G20-../DSE06LA4	201	24100	50000
0.25	0.7	2850	2.0	2040	BK70G20-../DSE06LA4	201	24100	50000
0.25	0.55	3700	1.55	2578	BK70G20-../DSE06LA4	201	24100	50000
0.25	0.45	4650	1.25	3041	BK70G20-../DSE06LA4	201	24100	50000
0.25	0.39	5400	1.05	3505	BK70G20-../DSE06LA4	201	24100	50000

0.37 kW

P _N	50 Hz			i	Typ	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
0.37	140	23	3.5	9.71	BK06-../DSE07LA4	14	880	-
0.37	116	28	2.9	11.67	BK06-../DSE07LA4	14	930	-
0.37	89	36	2.2	15.29	BK06-../DSE07LA4	14	1020	-
0.37	75	42	1.9	18.00	BK06-../DSE07LA4	14	1080	-
0.37	63	50	1.6	21.54	BK06-../DSE07LA4	14	1150	-
0.37	52	61	1.3	26.36	BK06-../DSE07LA4	14	1230	-
0.37	41	77	1.05	33.33	BK06-../DSE07LA4	14	1320	-
0.37	35.5	89	0.9	38.18	BK06-../DSE07LA4	14	1380	-
0.37	47	67	3.0	28.76	BK10-../DSE07LA4	26	5200	-
0.37	39.5	80	2.5	34.25	BK10-../DSE07LA4	26	5600	-
0.37	33.5	94	2.1	40.79	BK10-../DSE07LA4	26	6000	-
0.37	28	112	1.8	48.96	BK10-../DSE07LA4	26	6400	-
0.37	22	142	1.4	61.68	BK10-../DSE07LA4	26	7000	-
0.37	19	163	1.25	72.31	BK10-../DSE07LA4	26	7000	-
0.37	15.5	198	0.9	89.30	BK10-../DSE07LA4	26	7000	-
0.37	32	99	3.3	42.70	BK20-../DSE07LA4	35	5800	9000
0.37	26.5	118	2.8	51.22	BK20-../DSE07LA4	35	6300	9000

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

BK-series bevel geared motors

Selection - bevel geared motors DSE - IE1

0.37 kW

P _N	50 Hz			i	Typ	m		
η_2	M ₂	f _B						
[kW]	[1/min]	[Nm]	[-]	[:1]		[kg]	[N]	[N]
0.37	22.5	139	2.4	61.30	BK20-../DSE07LA4	35	6500	9000
0.37	18	172	1.9	76.79	BK20-../DSE07LA4	35	7500	9000
0.37	15.5	198	1.65	88.12	BK20-../DSE07LA4	35	8000	9000
0.37	12.5	240	1.3	108.6	BK20-../DSE07LA4	35	8700	9000
0.37	11	270	1.2	124.2	BK20Z-../DSE07LA4	37	8700	9000
0.37	9.4	315	1.05	144.5	BK20Z-../DSE07LA4	37	8700	9000
0.37	7.8	375	0.88	173.4	BK20Z-../DSE07LA4	37	8700	9000
0.37	23	135	3.3	59.27	BK30-../DSE07LA4	41	8900	12000
0.37	19	161	2.8	71.56	BK30-../DSE07LA4	41	9700	12000
0.37	15.5	196	2.3	88.38	BK30-../DSE07LA4	41	10600	12000
0.37	13.5	220	2.0	102.4	BK30-../DSE07LA4	41	11200	12000
0.37	11	270	1.65	123.9	BK30Z-../DSE07LA4	44	11200	12000
0.37	9.4	315	1.45	145.1	BK30Z-../DSE07LA4	44	11200	12000
0.37	7.4	395	1.15	184.8	BK30Z-../DSE07LA4	44	11200	12000
0.37	6.3	455	0.99	216.5	BK30Z-../DSE07LA4	44	11200	12000
0.37	5.3	540	0.83	255.3	BK30Z-../DSE07LA4	44	11200	12000
0.37	11.5	260	3.0	118.2	BK40Z-../DSE07LA4	66	11700	17000
0.37	9.5	310	2.5	143.0	BK40Z-../DSE07LA4	66	11700	17000
0.37	8.0	365	2.1	169.0	BK40Z-../DSE07LA4	66	11700	17000
0.37	6.4	450	1.75	211.5	BK40Z-../DSE07LA4	66	11700	17000
0.37	5.5	520	1.5	246.6	BK40Z-../DSE07LA4	66	11700	17000
0.37	4.7	600	1.15	289.8	BK40Z-../DSE07LA4	66	11700	17000
0.37	3.9	730	0.8	348.7	BK40Z-../DSE07LA4	66	11700	17000
0.37	2.8	930	0.91	487.3	BK40G10-../DSE07LA4	71	11700	17000
0.37	2.5	1040	0.82	540.0	BK40G10-../DSE07LA4	71	11700	17000
0.37	8.9	325	3.2	153.3	BK50Z-../DSE07LA4	95	14100	26000
0.37	6.6	435	2.4	206.8	BK50Z-../DSE07LA4	95	14100	26000
0.37	5.2	550	1.9	264.5	BK50Z-../DSE07LA4	95	14100	26000
0.37	4.2	680	1.5	328.2	BK50Z-../DSE07LA4	95	14100	26000
0.37	3.3	850	0.99	414.8	BK50Z-../DSE07LA4	95	14100	26000
0.37	3.0	870	1.3	465.1	BK50G10-../DSE07LA4	99	14100	111000
0.37	2.7	970	1.2	513.4	BK50G10-../DSE07LA4	99	14100	111000
0.37	2.4	1090	1.05	568.6	BK50G10-../DSE07LA4	99	14100	111000
0.37	2.1	1250	0.92	651.7	BK50G10-../DSE07LA4	99	14100	111000
0.37	1.9	1380	0.83	722.2	BK50G10-../DSE07LA4	99	14100	111000
0.37	2.2	1340	1.85	621.5	BK60G20-../DSE07LA4	125	16600	34000
0.37	1.8	1640	1.5	752.1	BK60G20-../DSE07LA4	125	16600	34000
0.37	1.6	1870	1.35	887.8	BK60G20-../DSE07LA4	125	16600	34000
0.37	1.4	2200	1.15	1016	BK60G20-../DSE07LA4	125	16600	34000
0.37	1.1	2850	0.88	1322	BK60G20-../DSE07LA4	125	16600	34000
0.37	1.6	1850	3.1	847.7	BK70G20-../DSE07LA4	204	24100	50000
0.37	1.4	2100	2.7	964.6	BK70G20-../DSE07LA4	204	24100	50000
0.37	1.2	2500	2.3	1139	BK70G20-../DSE07LA4	204	24100	50000
0.37	1.1	2800	2.0	1280	BK70G20-../DSE07LA4	204	24100	50000
0.37	0.95	3250	1.75	1457	BK70G20-../DSE07LA4	204	24100	50000
0.37	0.8	3950	1.45	1696	BK70G20-../DSE07LA4	204	24100	50000
0.37	0.7	4500	1.25	2040	BK70G20-../DSE07LA4	204	24100	50000

0.55 kW

P _N	50 Hz			i	Typ	m		
η_2	M ₂	f _B						
[kW]	[1/min]	[Nm]	[-]	[:1]		[kg]	[N]	[N]
0.55	194	24.5	3.0	7.25	BK06-../DSE08MA4	15	800	-
0.55	145	33	2.4	9.71	BK06-../DSE08MA4	15	880	-
0.55	120	40	2.0	11.67	BK06-../DSE08MA4	15	930	-
0.55	92	51	1.55	15.29	BK06-../DSE08MA4	15	1020	-
0.55	78	60	1.35	18.00	BK06-../DSE08MA4	15	1080	-
0.55	65	72	1.1	21.54	BK06-../DSE08MA4	15	1150	-
0.55	54	87	0.92	26.36	BK06-../DSE08MA4	15	1230	-

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

BK-series bevel geared motors

Selection - bevel geared motors DSE - IE1

0.55 kW

P _N	50 Hz			i	Typ	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
0.55	118	40.5	2.8	11.93	BK10-../DSE08MA4	27	3100	-
0.55	83	56	2.4	16.92	BK10-../DSE08MA4	27	3700	-
0.55	76	62	3.2	18.52	BK10-../DSE08MA4	27	4300	-
0.55	62	76	2.6	22.65	BK10-../DSE08MA4	27	4650	-
0.55	49	96	2.1	28.76	BK10-../DSE08MA4	27	5200	-
0.55	41	115	1.75	34.25	BK10-../DSE08MA4	27	5600	-
0.55	34.5	137	1.45	40.79	BK10-../DSE08MA4	27	6000	-
0.55	29	161	1.25	48.96	BK10-../DSE08MA4	27	6400	-
0.55	23	200	1.0	61.68	BK10-../DSE08MA4	27	7000	-
0.55	19.5	235	0.85	72.31	BK10-../DSE08MA4	27	7000	-
0.55	38.5	122	2.7	36.69	BK20-../DSE08MA4	36	5400	9000
0.55	33	143	2.3	42.70	BK20-../DSE08MA4	36	5800	9000
0.55	27.5	169	1.95	51.22	BK20-../DSE08MA4	36	6300	9000
0.55	23	200	1.65	61.30	BK20-../DSE08MA4	36	6500	9000
0.55	18.5	245	1.35	76.79	BK20-../DSE08MA4	36	7500	9000
0.55	16	285	1.15	88.12	BK20-../DSE08MA4	36	8000	9000
0.55	13	345	0.91	108.6	BK20-../DSE08MA4	36	8700	9000
0.55	11.5	385	0.86	124.2	BK20Z-../DSE08MA4	38	8700	9000
0.55	33	141	3.2	42.89	BK30-../DSE08MA4	42	7800	12000
0.55	28	165	2.7	50.27	BK30-../DSE08MA4	42	8300	12000
0.55	24	192	2.3	59.27	BK30-../DSE08MA4	42	8900	12000
0.55	20	225	2.0	71.56	BK30-../DSE08MA4	42	9700	12000
0.55	16	280	1.6	88.38	BK30-../DSE08MA4	42	10600	12000
0.55	14	315	1.45	102.4	BK30-../DSE08MA4	42	11200	12000
0.55	11.5	385	1.15	123.9	BK30Z-../DSE08MA4	45	11200	12000
0.55	9.7	450	1.0	145.1	BK30Z-../DSE08MA4	45	11200	12000
0.55	17	265	2.9	84.36	BK40-../DSE08MA4	63	10700	17000
0.55	13.5	330	2.4	104.0	BK40-../DSE08MA4	63	11700	17000
0.55	12	370	2.1	118.2	BK40Z-../DSE08MA4	67	11700	17000
0.55	9.8	450	1.75	143.0	BK40Z-../DSE08MA4	67	11700	17000
0.55	8.3	520	1.5	169.0	BK40Z-../DSE08MA4	67	11700	17000
0.55	6.7	640	1.2	211.5	BK40Z-../DSE08MA4	67	11700	17000
0.55	5.7	740	1.05	246.6	BK40Z-../DSE08MA4	67	11700	17000
0.55	4.9	860	0.8	289.8	BK40Z-../DSE08MA4	67	11700	17000
0.55	12.5	355	3.0	115.4	BK50Z-../DSE08MA4	96	14100	26000
0.55	9.2	470	2.2	153.3	BK50Z-../DSE08MA4	96	14100	26000
0.55	6.8	630	1.65	206.8	BK50Z-../DSE08MA4	96	14100	26000
0.55	5.3	800	1.3	264.5	BK50Z-../DSE08MA4	96	14100	26000
0.55	4.3	980	1.05	328.2	BK50Z-../DSE08MA4	96	14100	26000
0.55	3.1	1290	0.89	465.1	BK50G10-../DSE08MA4	100	14100	111000
0.55	2.8	1420	0.81	513.4	BK50G10-../DSE08MA4	100	14100	111000
0.55	6.9	760	3.0	205.0	BK60Z-../DSE08MA4	119	16600	34000
0.55	5.9	890	2.6	239.7	BK60Z-../DSE08MA4	119	16600	34000
0.55	5.3	990	2.3	268.2	BK60Z-../DSE08MA4	119	16600	34000
0.55	4.5	1160	2.0	317.7	BK60Z-../DSE08MA4	119	16600	34000
0.55	4.0	1310	1.75	355.5	BK60Z-../DSE08MA4	119	16600	34000
0.55	3.5	1500	1.55	411.5	BK60Z-../DSE08MA4	119	16600	34000
0.55	3.1	1690	1.35	460.4	BK60Z-../DSE08MA4	119	16600	34000
0.55	2.9	1810	1.25	498.0	BK60Z-../DSE08MA4	119	16600	34000
0.55	2.6	2000	1.15	557.2	BK60Z-../DSE08MA4	119	16600	34000
0.55	2.3	2000	1.25	621.5	BK60G20-../DSE08MA4	126	16600	34000
0.55	1.9	2400	1.05	752.1	BK60G20-../DSE08MA4	126	16600	34000
0.55	1.6	2900	0.86	887.8	BK60G20-../DSE08MA4	126	16600	34000
0.55	3.3	1590	3.3	432.1	BK70Z-../DSE08MA4	207	24100	50000
0.55	2.8	1870	2.8	501.8	BK70Z-../DSE08MA4	207	24100	50000
0.55	2.5	2100	2.5	570.8	BK70Z-../DSE08MA4	207	24100	50000
0.55	2.2	2350	2.2	644.9	BK70Z-../DSE08MA4	207	24100	50000
0.55	2.0	2600	2.0	733.6	BK70Z-../DSE08MA4	207	24100	50000
0.55	1.7	2700	2.1	847.7	BK70G20-../DSE08MA4	205	24100	50000
0.55	1.5	3050	1.85	964.6	BK70G20-../DSE08MA4	205	24100	50000
0.55	1.3	3600	1.6	1139	BK70G20-../DSE08MA4	205	24100	50000
0.55	1.1	4350	1.3	1280	BK70G20-../DSE08MA4	205	24100	50000
0.55	1.0	4800	1.2	1457	BK70G20-../DSE08MA4	205	24100	50000

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

BK-series bevel geared motors

Selection - bevel geared motors DSE - IE1

0.55 kW

P _N	50 Hz			i	Typ	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
0.55	1.1	3750	3.1	1307	BK80G40-../DSE08MA4	347	30000	75000
0.55	1.0	4050	2.8	1425	BK80G40-../DSE08MA4	347	30000	75000
0.55	0.9	4600	2.5	1583	BK80G40-../DSE08MA4	347	30000	75000
0.55	0.8	5200	2.2	1775	BK80G40-../DSE08MA4	347	30000	75000
0.55	0.65	6600	1.75	2205	BK80G40-../DSE08MA4	347	30000	75000
0.55	0.6	7300	1.6	2449	BK80G40-../DSE08MA4	347	30000	75000
0.55	0.5	9000	1.3	2811	BK80G40-../DSE08MA4	347	30000	75000
0.55	0.45	10200	1.15	3120	BK80G40-../DSE08MA4	347	30000	75000
0.55	0.55	7400	2.5	2764	BK90G50-../DSE08MA4	620	49400	120000
0.55	0.46	9300	2.0	3065	BK90G50-../DSE08MA4	620	49400	120000
0.55	0.39	11300	1.65	3672	BK90G50-../DSE08MA4	620	49400	120000
0.55	0.35	12900	1.45	4070	BK90G50-../DSE08MA4	620	49400	120000
0.55	0.29	16000	1.15	4952	BK90G50-../DSE08MA4	620	49400	120000
0.55	0.26	18000	1.05	5491	BK90G50-../DSE08MA4	620	49400	120000

0.75 kW

P _N	50 Hz			i	Typ	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
0.75	194	33.5	2.2	7.25	BK06-../DSE08LA4	16	800	-
0.75	145	45	1.8	9.71	BK06-../DSE08LA4	16	880	-
0.75	120	54	1.5	11.67	BK06-../DSE08LA4	16	930	-
0.75	92	70	1.15	15.29	BK06-../DSE08LA4	16	1020	-
0.75	78	82	0.98	18.00	BK06-../DSE08LA4	16	1080	-
0.75	65	99	0.81	21.54	BK06-../DSE08LA4	16	1150	-
0.75	183	36	3.2	7.68	BK10-../DSE08LA4	28	2400	-
0.75	149	44	2.6	9.40	BK10-../DSE08LA4	28	2700	-
0.75	118	55	2.1	11.93	BK10-../DSE08LA4	28	3100	-
0.75	97	66	3.0	14.50	BK10-../DSE08LA4	28	3900	-
0.75	83	77	1.75	16.92	BK10-../DSE08LA4	28	3700	-
0.75	76	84	2.4	18.52	BK10-../DSE08LA4	28	4300	-
0.75	62	103	1.95	22.65	BK10-../DSE08LA4	28	4650	-
0.75	49	131	1.55	28.76	BK10-../DSE08LA4	28	5200	-
0.75	41	157	1.25	34.25	BK10-../DSE08LA4	28	5600	-
0.75	34.5	186	1.1	40.79	BK10-../DSE08LA4	28	6000	-
0.75	29	215	0.93	48.96	BK10-../DSE08LA4	28	6400	-
0.75	81	80	2.9	17.42	BK20-../DSE08LA4	38	3250	9000
0.75	58	111	3.0	24.29	BK20-../DSE08LA4	38	4500	9000
0.75	49	131	2.5	28.66	BK20-../DSE08LA4	38	4850	9000
0.75	38.5	167	2.0	36.69	BK20-../DSE08LA4	38	5400	9000
0.75	33	195	1.7	42.70	BK20-../DSE08LA4	38	5800	9000
0.75	27.5	230	1.45	51.22	BK20-../DSE08LA4	38	6300	9000
0.75	23	275	1.2	61.30	BK20-../DSE08LA4	38	6500	9000
0.75	18.5	340	0.97	76.79	BK20-../DSE08LA4	38	7500	9000
0.75	16	385	0.86	88.12	BK20-../DSE08LA4	38	8000	9000
0.75	42	153	2.9	33.70	BK30-../DSE08LA4	44	7000	12000
0.75	33	193	2.3	42.89	BK30-../DSE08LA4	44	7800	12000
0.75	28	225	2.0	50.27	BK30-../DSE08LA4	44	8300	12000
0.75	24	260	1.75	59.27	BK30-../DSE08LA4	44	8900	12000
0.75	20	310	1.45	71.56	BK30-../DSE08LA4	44	9700	12000
0.75	16	380	1.2	88.38	BK30-../DSE08LA4	44	10600	12000
0.75	14	430	1.05	102.4	BK30-../DSE08LA4	44	11200	12000
0.75	11.5	520	0.87	123.9	BK30Z-../DSE08LA4	46	11200	12000
0.75	23.5	265	2.9	59.66	BK40-../DSE08LA4	64	9100	17000
0.75	20	310	2.5	70.11	BK40-../DSE08LA4	64	9800	17000
0.75	17	365	2.1	84.36	BK40-../DSE08LA4	64	10700	17000
0.75	13.5	450	1.75	104.0	BK40-../DSE08LA4	64	11700	17000
0.75	12	500	1.55	118.2	BK40Z-../DSE08LA4	69	11700	17000
0.75	9.8	610	1.3	143.0	BK40Z-../DSE08LA4	69	11700	17000
0.75	8.3	710	1.1	169.0	BK40Z-../DSE08LA4	69	11700	17000

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

BK-series bevel geared motors

Selection - bevel geared motors DSE - IE1

0.75 kW

P _N	50 Hz			i	Typ	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
0.75	6.7	870	0.9	211.5	BK40Z-../DSE08LA4	69	11700	17000
0.75	19	325	3.2	75.40	BK50-../DSE08LA4	93	12600	26000
0.75	15	410	2.6	95.29	BK50-../DSE08LA4	93	14100	26000
0.75	12.5	485	2.2	115.4	BK50Z-../DSE08LA4	98	14100	26000
0.75	9.2	640	1.65	153.3	BK50Z-../DSE08LA4	98	14100	26000
0.75	6.8	860	1.2	206.8	BK50Z-../DSE08LA4	98	14100	26000
0.75	5.3	1090	0.96	264.5	BK50Z-../DSE08LA4	98	14100	26000
0.75	9.2	770	3.0	153.7	BK60Z-../DSE08LA4	120	16600	34000
0.75	7.7	930	2.5	183.2	BK60Z-../DSE08LA4	120	16600	34000
0.75	6.9	1030	2.2	205.0	BK60Z-../DSE08LA4	120	16600	34000
0.75	5.9	1210	1.9	239.7	BK60Z-../DSE08LA4	120	16600	34000
0.75	5.3	1350	1.7	268.2	BK60Z-../DSE08LA4	120	16600	34000
0.75	4.5	1590	1.45	317.7	BK60Z-../DSE08LA4	120	16600	34000
0.75	4.0	1790	1.3	355.5	BK60Z-../DSE08LA4	120	16600	34000
0.75	3.5	2000	1.15	411.5	BK60Z-../DSE08LA4	120	16600	34000
0.75	3.1	2300	1.0	460.4	BK60Z-../DSE08LA4	120	16600	34000
0.75	2.9	2450	0.94	498.0	BK60Z-../DSE08LA4	120	16600	34000
0.75	2.6	2750	0.84	557.2	BK60Z-../DSE08LA4	120	16600	34000
0.75	2.3	2850	0.88	621.5	BK60G20-../DSE08LA4	128	16600	34000
0.75	4.2	1700	3.1	333.6	BK70Z-../DSE08LA4	208	24100	50000
0.75	3.7	1930	2.7	379.9	BK70Z-../DSE08LA4	208	24100	50000
0.75	3.3	2150	2.4	432.1	BK70Z-../DSE08LA4	208	24100	50000
0.75	2.8	2550	2.0	501.8	BK70Z-../DSE08LA4	208	24100	50000
0.75	2.5	2850	1.8	570.8	BK70Z-../DSE08LA4	208	24100	50000
0.75	2.2	3250	1.6	644.9	BK70Z-../DSE08LA4	208	24100	50000
0.75	2.0	3550	1.45	733.6	BK70Z-../DSE08LA4	208	24100	50000
0.75	1.7	3850	1.5	847.7	BK70G20-../DSE08LA4	206	24100	50000
0.75	1.5	4350	1.3	964.6	BK70G20-../DSE08LA4	206	24100	50000
0.75	1.3	5000	1.15	1139	BK70G20-../DSE08LA4	206	24100	50000
0.75	1.1	6100	0.93	1280	BK70G20-../DSE08LA4	206	24100	50000
0.75	1.0	6700	0.85	1457	BK70G20-../DSE08LA4	206	24100	50000
0.75	1.5	3850	3.0	963.0	BK80G40-../DSE08LA4	348	30000	75000
0.75	1.3	4450	2.6	1079	BK80G40-../DSE08LA4	348	30000	75000
0.75	1.1	5400	2.1	1307	BK80G40-../DSE08LA4	348	30000	75000
0.75	1.0	5900	1.95	1425	BK80G40-../DSE08LA4	348	30000	75000
0.75	0.9	6700	1.7	1583	BK80G40-../DSE08LA4	348	30000	75000
0.75	0.8	7600	1.5	1775	BK80G40-../DSE08LA4	348	30000	75000
0.75	0.65	9600	1.2	2205	BK80G40-../DSE08LA4	348	30000	75000
0.75	0.6	10400	1.1	2449	BK80G40-../DSE08LA4	348	30000	75000
0.75	0.9	6400	2.9	1579	BK90G50-../DSE08LA4	621	49400	120000
0.75	0.8	7200	2.6	1803	BK90G50-../DSE08LA4	621	49400	120000
0.75	0.7	8300	2.2	2016	BK90G50-../DSE08LA4	621	49400	120000
0.75	0.55	10900	1.7	2764	BK90G50-../DSE08LA4	621	49400	120000
0.75	0.46	13400	1.4	3065	BK90G50-../DSE08LA4	621	49400	120000
0.75	0.39	16200	1.15	3672	BK90G50-../DSE08LA4	621	49400	120000
0.75	0.35	18300	1.0	4070	BK90G50-../DSE08LA4	621	49400	120000

1.1 kW

P _N	50 Hz			i	Typ	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
1.1	194	49.5	1.45	7.25	BK06-../DSE08XA4	18	800	-
1.1	145	66	1.2	9.71	BK06-../DSE08XA4	18	880	-
1.1	120	80	1.0	11.67	BK06-../DSE08XA4	18	930	-
1.1	320	30	3.2	4.44	BK10-../DSE08XA4	30	1900	-
1.1	235	41	2.6	6.02	BK10-../DSE08XA4	30	2100	-
1.1	183	52	2.2	7.68	BK10-../DSE08XA4	30	2400	-
1.1	149	64	1.8	9.40	BK10-../DSE08XA4	30	2700	-
1.1	131	72	2.5	10.70	BK10-../DSE08XA4	30	3500	-

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

BK-series bevel geared motors

Selection - bevel geared motors DSE - IE1

1.1 kW

P _N	50 Hz			i	Typ	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
1.1	118	81	1.4	11.93	BK10-../DSE08XA4	30	3100	-
1.1	97	97	2.1	14.50	BK10-../DSE08XA4	30	3900	-
1.1	83	113	1.2	16.92	BK10-../DSE08XA4	30	3700	-
1.1	76	124	1.6	18.52	BK10-../DSE08XA4	30	4300	-
1.1	62	152	1.3	22.65	BK10-../DSE08XA4	30	4650	-
1.1	49	192	1.05	28.76	BK10-../DSE08XA4	30	5200	-
1.1	41	230	0.87	34.25	BK10-../DSE08XA4	30	5600	-
1.1	120	80	2.9	11.69	BK20-../DSE08XA4	39	2400	8800
1.1	95	99	3.3	14.75	BK20-../DSE08XA4	39	3650	9000
1.1	81	118	1.95	17.42	BK20-../DSE08XA4	39	3250	9000
1.1	73	129	2.6	19.39	BK20-../DSE08XA4	39	4050	9000
1.1	58	163	2.0	24.29	BK20-../DSE08XA4	39	4500	9000
1.1	49	192	1.7	28.66	BK20-../DSE08XA4	39	4850	9000
1.1	38.5	245	1.35	36.69	BK20-../DSE08XA4	39	5400	9000
1.1	33	285	1.15	42.70	BK20-../DSE08XA4	39	5800	9000
1.1	27.5	335	0.99	51.22	BK20-../DSE08XA4	39	6300	9000
1.1	23	405	0.81	61.30	BK20-../DSE08XA4	39	6500	9000
1.1	68	140	2.3	20.85	BK30-../DSE08XA4	45	5000	12000
1.1	61	154	2.9	23.20	BK30-../DSE08XA4	45	5900	12000
1.1	49	192	2.3	28.76	BK30-../DSE08XA4	45	6500	12000
1.1	42	225	2.0	33.70	BK30-../DSE08XA4	45	7000	12000
1.1	33	280	1.6	42.89	BK30-../DSE08XA4	45	7800	12000
1.1	28	330	1.35	50.27	BK30-../DSE08XA4	45	8300	12000
1.1	24	385	1.15	59.27	BK30-../DSE08XA4	45	8900	12000
1.1	20	455	0.99	71.56	BK30-../DSE08XA4	45	9700	12000
1.1	16	560	0.8	88.38	BK30-../DSE08XA4	45	10600	12000
1.1	34.5	270	2.9	40.88	BK40-../DSE08XA4	65	7600	17000
1.1	27.5	335	2.3	51.18	BK40-../DSE08XA4	65	8400	17000
1.1	23.5	390	2.0	59.66	BK40-../DSE08XA4	65	9100	17000
1.1	20	455	1.7	70.11	BK40-../DSE08XA4	65	9800	17000
1.1	17	530	1.45	84.36	BK40-../DSE08XA4	65	10700	17000
1.1	13.5	660	1.2	104.0	BK40-../DSE08XA4	65	11700	17000
1.1	12	740	1.05	118.2	BK40Z-../DSE08XA4	70	11700	17000
1.1	9.8	900	0.87	143.0	BK40Z-../DSE08XA4	70	11700	17000
1.1	29.5	315	3.3	47.50	BK50-../DSE08XA4	94	10100	25700
1.1	23.5	390	2.7	60.76	BK50-../DSE08XA4	94	11400	26000
1.1	19	480	2.2	75.40	BK50-../DSE08XA4	94	12600	26000
1.1	15	600	1.75	95.29	BK50-../DSE08XA4	94	14100	26000
1.1	12.5	710	1.5	115.4	BK50Z-../DSE08XA4	98	14100	26000
1.1	9.2	940	1.1	153.3	BK50Z-../DSE08XA4	98	14100	26000
1.1	6.8	1260	0.83	206.8	BK50Z-../DSE08XA4	98	14100	26000
1.1	9.2	1140	2.0	153.7	BK60Z-../DSE08XA4	121	16600	34000
1.1	7.7	1360	1.7	183.2	BK60Z-../DSE08XA4	121	16600	34000
1.1	6.9	1520	1.5	205.0	BK60Z-../DSE08XA4	121	16600	34000
1.1	5.9	1780	1.3	239.7	BK60Z-../DSE08XA4	121	16600	34000
1.1	5.3	1980	1.15	268.2	BK60Z-../DSE08XA4	121	16600	34000
1.1	4.5	2300	1.0	317.7	BK60Z-../DSE08XA4	121	16600	34000
1.1	4.0	2600	0.88	355.5	BK60Z-../DSE08XA4	121	16600	34000
1.1	6.2	1690	3.1	226.2	BK70Z-../DSE08XA4	210	24100	50000
1.1	5.5	1910	2.7	257.3	BK70Z-../DSE08XA4	210	24100	50000
1.1	4.8	2150	2.4	293.3	BK70Z-../DSE08XA4	210	24100	50000
1.1	4.2	2500	2.1	333.6	BK70Z-../DSE08XA4	210	24100	50000
1.1	3.7	2800	1.85	379.9	BK70Z-../DSE08XA4	210	24100	50000
1.1	3.3	3150	1.65	432.1	BK70Z-../DSE08XA4	210	24100	50000
1.1	2.8	3750	1.4	501.8	BK70Z-../DSE08XA4	210	24100	50000
1.1	2.5	4200	1.25	570.8	BK70Z-../DSE08XA4	210	24100	50000
1.1	2.2	4750	1.1	644.9	BK70Z-../DSE08XA4	210	24100	50000
1.1	2.0	5200	1.0	733.6	BK70Z-../DSE08XA4	210	24100	50000
1.1	1.7	5800	0.98	847.7	BK70G20-../DSE08XA4	207	24100	50000
1.1	1.5	6500	0.88	964.6	BK70G20-../DSE08XA4	207	24100	50000
1.1	2.4	3600	3.2	607.8	BK80G40-../DSE08XA4	349	30000	75000
1.1	2.1	4150	2.8	680.9	BK80G40-../DSE08XA4	349	30000	75000
1.1	1.9	4700	2.4	756.3	BK80G40-../DSE08XA4	349	30000	75000

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

BK-series bevel geared motors

Selection - bevel geared motors DSE - IE1

1.1 kW

P _N	50 Hz			i	Typ	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
1.1	1.7	5200	2.2	847.2	BK80G40-../DSE08XA4	349	30000	75000
1.1	1.5	6100	1.9	963.0	BK80G40-../DSE08XA4	349	30000	75000
1.1	1.3	7000	1.65	1079	BK80G40-../DSE08XA4	349	30000	75000
1.1	1.1	8500	1.35	1307	BK80G40-../DSE08XA4	349	30000	75000
1.1	1.0	9300	1.25	1425	BK80G40-../DSE08XA4	349	30000	75000
1.1	0.9	10400	1.1	1583	BK80G40-../DSE08XA4	349	30000	75000
1.1	1.4	6100	3.0	1008	BK90G50-../DSE08XA4	622	49400	120000
1.1	1.3	6500	2.8	1127	BK90G50-../DSE08XA4	622	49400	120000
1.1	1.1	8300	2.2	1363	BK90G50-../DSE08XA4	622	49400	120000
1.1	0.9	10100	1.85	1579	BK90G50-../DSE08XA4	622	49400	120000
1.1	0.8	11400	1.6	1803	BK90G50-../DSE08XA4	622	49400	120000
1.1	0.7	13000	1.4	2016	BK90G50-../DSE08XA4	622	49400	120000
1.1	0.55	16900	1.1	2764	BK90G50-../DSE08XA4	622	49400	120000

1.5 kW

P _N	50 Hz			i	Typ	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
1.5	320	41	2.3	4.44	BK10-../DSE09LA4	36	1900	-
1.5	240	54	1.95	6.02	BK10-../DSE09LA4	36	2100	-
1.5	185	71	1.6	7.68	BK10-../DSE09LA4	36	2400	-
1.5	152	86	1.35	9.40	BK10-../DSE09LA4	36	2700	-
1.5	133	96	1.9	10.70	BK10-../DSE09LA4	36	3500	-
1.5	120	109	1.05	11.93	BK10-../DSE09LA4	36	3100	-
1.5	98	131	1.55	14.50	BK10-../DSE09LA4	36	3900	-
1.5	84	153	0.89	16.92	BK10-../DSE09LA4	36	3700	-
1.5	77	167	1.2	18.52	BK10-../DSE09LA4	36	4300	-
1.5	63	200	1.0	22.65	BK10-../DSE09LA4	36	4650	-
1.5	180	73	3.2	7.91	BK20-../DSE09LA4	46	1330	7600
1.5	144	91	2.5	9.91	BK20-../DSE09LA4	46	1910	8300
1.5	128	100	3.0	11.14	BK20-../DSE09LA4	46	3300	8100
1.5	122	108	2.1	11.69	BK20-../DSE09LA4	46	2400	8800
1.5	97	132	2.5	14.75	BK20-../DSE09LA4	46	3650	9000
1.5	82	158	1.45	17.42	BK20-../DSE09LA4	46	3250	9000
1.5	74	174	1.9	19.39	BK20-../DSE09LA4	46	4050	9000
1.5	59	215	1.55	24.29	BK20-../DSE09LA4	46	4500	9000
1.5	50	255	1.3	28.66	BK20-../DSE09LA4	46	4850	9000
1.5	39	330	1.0	36.69	BK20-../DSE09LA4	46	5400	9000
1.5	33.5	380	0.87	42.70	BK20-../DSE09LA4	46	5800	9000
1.5	120	109	2.9	11.93	BK30-../DSE09LA4	52	3650	12000
1.5	102	127	2.5	13.98	BK30-../DSE09LA4	52	4050	12000
1.5	80	161	2.8	17.95	BK30-../DSE09LA4	52	5300	12000
1.5	69	188	1.7	20.85	BK30-../DSE09LA4	52	5000	12000
1.5	62	205	2.2	23.20	BK30-../DSE09LA4	52	5900	12000
1.5	49.5	260	1.75	28.76	BK30-../DSE09LA4	52	6500	12000
1.5	42.5	300	1.5	33.70	BK30-../DSE09LA4	52	7000	12000
1.5	33.5	380	1.2	42.89	BK30-../DSE09LA4	52	7800	12000
1.5	28.5	440	1.0	50.27	BK30-../DSE09LA4	52	8300	12000
1.5	24	520	0.87	59.27	BK30-../DSE09LA4	52	8900	12000
1.5	50	255	3.1	28.59	BK40-../DSE09LA4	72	6300	17000
1.5	41.5	310	2.5	34.61	BK40-../DSE09LA4	72	6900	17000
1.5	35	365	2.1	40.88	BK40-../DSE09LA4	72	7600	17000
1.5	28	450	1.75	51.18	BK40-../DSE09LA4	72	8400	17000
1.5	24	520	1.5	59.66	BK40-../DSE09LA4	72	9100	17000
1.5	20.5	600	1.3	70.11	BK40-../DSE09LA4	72	9800	17000
1.5	17	730	1.05	84.36	BK40-../DSE09LA4	72	10700	17000
1.5	14	860	0.91	104.0	BK40-../DSE09LA4	72	11700	17000
1.5	12.5	970	0.8	118.2	BK40Z-../DSE09LA4	76	11700	17000
1.5	40.5	315	3.3	35.21	BK50-../DSE09LA4	100	8700	23100
1.5	30	420	2.5	47.50	BK50-../DSE09LA4	100	10100	25700

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

BK-series bevel geared motors

Selection - bevel geared motors DSE - IE1

1.5 kW

P _N	50 Hz			i	Typ	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
1.5	23.5	530	2.0	60.76	BK50-../DSE09LA4	100	11400	26000
1.5	19	650	1.6	75.40	BK50-../DSE09LA4	100	12600	26000
1.5	15	820	1.3	95.29	BK50-../DSE09LA4	100	14100	26000
1.5	12.5	970	1.1	115.4	BK50Z-../DSE09LA4	105	14100	26000
1.5	9.3	1270	0.83	153.3	BK50Z-../DSE09LA4	105	14100	26000
1.5	18.5	770	3.0	78.13	BK60-../DSE09LA4	109	11900	34000
1.5	16.5	860	2.7	87.41	BK60-../DSE09LA4	109	12900	34000
1.5	14.5	980	2.3	101.2	BK60-../DSE09LA4	109	13900	34000
1.5	13	1100	2.1	113.2	BK60-../DSE09LA4	109	15000	34000
1.5	12	1190	1.95	122.5	BK60-../DSE09LA4	109	15500	34000
1.5	10.5	1360	1.7	137.0	BK60-../DSE09LA4	109	16600	34000
1.5	9.3	1540	1.5	153.7	BK60Z-../DSE09LA4	128	16600	34000
1.5	7.8	1830	1.25	183.2	BK60Z-../DSE09LA4	128	16600	34000
1.5	7.0	2000	1.15	205.0	BK60Z-../DSE09LA4	128	16600	34000
1.5	6.0	2350	0.98	239.7	BK60Z-../DSE09LA4	128	16600	34000
1.5	5.3	2700	0.85	268.2	BK60Z-../DSE09LA4	128	16600	34000
1.5	8.1	1760	3.0	175.7	BK70-../DSE09LA4	195	24100	50000
1.5	7.5	1910	2.7	190.4	BK70Z-../DSE09LA4	216	24100	50000
1.5	6.3	2250	2.3	226.2	BK70Z-../DSE09LA4	216	24100	50000
1.5	5.6	2550	2.0	257.3	BK70Z-../DSE09LA4	216	24100	50000
1.5	4.9	2900	1.8	293.3	BK70Z-../DSE09LA4	216	24100	50000
1.5	4.3	3300	1.6	333.6	BK70Z-../DSE09LA4	216	24100	50000
1.5	3.8	3750	1.4	379.9	BK70Z-../DSE09LA4	216	24100	50000
1.5	3.3	4300	1.2	432.1	BK70Z-../DSE09LA4	216	24100	50000
1.5	2.9	4900	1.05	501.8	BK70Z-../DSE09LA4	216	24100	50000
1.5	2.5	5700	0.91	570.8	BK70Z-../DSE09LA4	216	24100	50000
1.5	2.3	6200	0.84	644.9	BK70Z-../DSE09LA4	216	24100	50000
1.5	3.7	3850	3.0	389.0	BK80Z-../DSE09LA4	345	30000	75000
1.5	3.3	4300	2.7	435.7	BK80Z-../DSE09LA4	345	30000	75000
1.5	2.9	4900	2.3	499.5	BK80Z-../DSE09LA4	345	30000	75000
1.5	2.6	5500	2.1	559.5	BK80Z-../DSE09LA4	345	30000	75000
1.5	2.4	5200	2.2	607.8	BK80G40-../DSE09LA4	356	30000	75000
1.5	2.1	5900	1.95	680.9	BK80G40-../DSE09LA4	356	30000	75000
1.5	1.9	6700	1.7	756.3	BK80G40-../DSE09LA4	356	30000	75000
1.5	1.7	7500	1.55	847.2	BK80G40-../DSE09LA4	356	30000	75000
1.5	1.5	8600	1.35	963.0	BK80G40-../DSE09LA4	356	30000	75000
1.5	1.4	9200	1.25	1079	BK80G40-../DSE09LA4	356	30000	75000
1.5	1.1	12000	0.96	1307	BK80G40-../DSE09LA4	356	30000	75000
1.5	1.0	13100	0.88	1425	BK80G40-../DSE09LA4	356	30000	75000
1.5	2.3	6200	3.0	637.7	BK90Z-../DSE09LA4	618	49400	120000
1.5	2.0	7100	2.6	713.5	BK90Z-../DSE09LA4	618	49400	120000
1.5	1.8	6600	2.8	821.0	BK90G50-../DSE09LA4	629	49400	120000
1.5	1.7	7200	2.6	882.3	BK90G50-../DSE09LA4	629	49400	120000
1.5	1.5	8200	2.3	1008	BK90G50-../DSE09LA4	629	49400	120000
1.5	1.3	9500	1.95	1127	BK90G50-../DSE09LA4	629	49400	120000
1.5	1.1	11800	1.55	1363	BK90G50-../DSE09LA4	629	49400	120000
1.5	0.9	14400	1.3	1579	BK90G50-../DSE09LA4	629	49400	120000
1.5	0.8	16100	1.15	1803	BK90G50-../DSE09LA4	629	49400	120000
1.5	0.75	17100	1.1	2016	BK90G50-../DSE09LA4	629	49400	120000

2.2 kW

P _N	50 Hz			i	Typ	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
2.2	320	60	1.6	4.44	BK10-../DSE09XA4	40	1900	-
2.2	240	80	1.3	6.02	BK10-../DSE09XA4	40	2100	-
2.2	185	104	1.1	7.68	BK10-../DSE09XA4	40	2400	-
2.2	152	127	0.91	9.40	BK10-../DSE09XA4	40	2700	-
2.2	133	142	1.25	10.70	BK10-../DSE09XA4	40	3500	-
2.2	98	192	1.05	14.50	BK10-../DSE09XA4	40	3900	-
2.2	77	245	0.82	18.52	BK10-../DSE09XA4	40	4300	-

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

BK-series bevel geared motors

Selection - bevel geared motors DSE - IE1

2.2 kW

P _N	50 Hz			i	Typ	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
2.2	315	61	3.2	4.54	BK20-../DSE09XA4	50	520	6100
2.2	240	80	2.7	6.02	BK20-../DSE09XA4	50	580	6800
2.2	180	107	2.2	7.91	BK20-../DSE09XA4	50	1330	7600
2.2	144	134	1.7	9.91	BK20-../DSE09XA4	50	1910	8300
2.2	128	147	2.0	11.14	BK20-../DSE09XA4	50	3300	8100
2.2	122	158	1.45	11.69	BK20-../DSE09XA4	50	2400	8800
2.2	97	194	1.7	14.75	BK20-../DSE09XA4	50	3650	9000
2.2	82	230	1.0	17.42	BK20-../DSE09XA4	50	3250	9000
2.2	74	255	1.3	19.39	BK20-../DSE09XA4	50	4050	9000
2.2	59	320	1.05	24.29	BK20-../DSE09XA4	50	4500	9000
2.2	50	375	0.88	28.66	BK20-../DSE09XA4	50	4850	9000
2.2	305	63	3.1	4.73	BK30-../DSE09XA4	56	1550	8800
2.2	240	80	2.7	6.02	BK30-../DSE09XA4	56	1690	9600
2.2	191	101	2.7	7.45	BK30-../DSE09XA4	56	2200	10400
2.2	148	130	2.5	9.63	BK30-../DSE09XA4	56	3150	11500
2.2	125	151	2.7	11.39	BK30-../DSE09XA4	56	4150	11000
2.2	120	161	2.0	11.93	BK30-../DSE09XA4	56	3650	12000
2.2	102	187	1.7	13.98	BK30-../DSE09XA4	56	4050	12000
2.2	98	192	2.3	14.50	BK30-../DSE09XA4	56	4900	12000
2.2	80	235	1.9	17.95	BK30-../DSE09XA4	56	5300	12000
2.2	69	275	1.15	20.85	BK30-../DSE09XA4	56	5000	12000
2.2	62	300	1.5	23.20	BK30-../DSE09XA4	56	5900	12000
2.2	49.5	380	1.2	28.76	BK30-../DSE09XA4	56	6500	12000
2.2	42.5	440	1.0	33.70	BK30-../DSE09XA4	56	7000	12000
2.2	33.5	550	0.82	42.89	BK30-../DSE09XA4	56	7800	12000
2.2	120	161	3.1	11.86	BK40-../DSE09XA4	76	1770	12200
2.2	79	235	3.3	18.05	BK40-../DSE09XA4	76	4900	15300
2.2	64	295	2.6	22.44	BK40-../DSE09XA4	76	5500	16500
2.2	50	375	2.1	28.59	BK40-../DSE09XA4	76	6300	17000
2.2	41.5	455	1.7	34.61	BK40-../DSE09XA4	76	6900	17000
2.2	35	540	1.45	40.88	BK40-../DSE09XA4	76	7600	17000
2.2	28	660	1.2	51.18	BK40-../DSE09XA4	76	8400	17000
2.2	24	770	1.0	59.66	BK40-../DSE09XA4	76	9100	17000
2.2	20.5	890	0.88	70.11	BK40-../DSE09XA4	76	9800	17000
2.2	80	235	3.1	17.92	BK50-../DSE09XA4	104	4600	16800
2.2	54	350	3.0	26.51	BK50-../DSE09XA4	104	7800	21200
2.2	40.5	465	2.3	35.21	BK50-../DSE09XA4	104	8700	23100
2.2	30	620	1.7	47.50	BK50-../DSE09XA4	104	10100	25700
2.2	23.5	780	1.35	60.76	BK50-../DSE09XA4	104	11400	26000
2.2	19	960	1.1	75.40	BK50-../DSE09XA4	104	12600	26000
2.2	15	1200	0.88	95.29	BK50-../DSE09XA4	104	14100	26000
2.2	28.5	730	3.2	50.40	BK60-../DSE09XA4	113	9100	29800
2.2	24.5	850	2.7	58.95	BK60-../DSE09XA4	113	9900	31500
2.2	22	950	2.4	65.95	BK60-../DSE09XA4	113	10900	33000
2.2	18.5	1130	2.0	78.13	BK60-../DSE09XA4	113	11900	34000
2.2	16.5	1270	1.8	87.41	BK60-../DSE09XA4	113	12900	34000
2.2	14.5	1440	1.6	101.2	BK60-../DSE09XA4	113	13900	34000
2.2	13	1610	1.45	113.2	BK60-../DSE09XA4	113	15000	34000
2.2	12	1750	1.3	122.5	BK60-../DSE09XA4	113	15500	34000
2.2	10.5	2000	1.15	137.0	BK60-../DSE09XA4	113	16600	34000
2.2	9.3	2250	1.0	153.7	BK60Z-../DSE09XA4	132	16600	34000
2.2	7.8	2650	0.87	183.2	BK60Z-../DSE09XA4	132	16600	34000
2.2	12	1750	3.0	120.2	BK70-../DSE09XA4	199	18600	50000
2.2	10.5	2000	2.6	136.7	BK70-../DSE09XA4	199	20700	50000
2.2	9.2	2250	2.3	154.4	BK70-../DSE09XA4	199	21900	50000
2.2	8.1	2550	2.0	175.7	BK70-../DSE09XA4	199	24100	50000
2.2	7.5	2800	1.85	190.4	BK70Z-../DSE09XA4	220	24100	50000
2.2	6.3	3300	1.6	226.2	BK70Z-../DSE09XA4	220	24100	50000
2.2	5.6	3750	1.4	257.3	BK70Z-../DSE09XA4	220	24100	50000
2.2	4.9	4250	1.2	293.3	BK70Z-../DSE09XA4	220	24100	50000
2.2	4.3	4850	1.05	333.6	BK70Z-../DSE09XA4	220	24100	50000
2.2	3.8	5500	0.95	379.9	BK70Z-../DSE09XA4	220	24100	50000
2.2	3.3	6300	0.83	432.1	BK70Z-../DSE09XA4	220	24100	50000
2.2	5.7	3650	3.2	253.3	BK80Z-../DSE09XA4	349	30000	75000

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

BK-series bevel geared motors

Selection - bevel geared motors DSE - IE1

2.2 kW

P _N	50 Hz			i	Typ	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
2.2	4.8	4350	2.6	300.6	BK80Z-../DSE09XA4	349	30000	75000
2.2	4.3	4850	2.4	336.7	BK80Z-../DSE09XA4	349	30000	75000
2.2	3.7	5600	2.1	389.0	BK80Z-../DSE09XA4	349	30000	75000
2.2	3.3	6300	1.85	435.7	BK80Z-../DSE09XA4	349	30000	75000
2.2	2.9	7200	1.6	499.5	BK80Z-../DSE09XA4	349	30000	75000
2.2	2.6	8000	1.45	559.5	BK80Z-../DSE09XA4	349	30000	75000
2.2	2.4	8000	1.45	607.8	BK80G40-../DSE09XA4	360	30000	75000
2.2	2.1	9100	1.25	680.9	BK80G40-../DSE09XA4	360	30000	75000
2.2	1.9	10200	1.15	756.3	BK80G40-../DSE09XA4	360	30000	75000
2.2	1.7	11400	1.0	847.2	BK80G40-../DSE09XA4	360	30000	75000
2.2	1.5	13100	0.88	963.0	BK80G40-../DSE09XA4	360	30000	75000
2.2	1.4	13900	0.83	1079	BK80G40-../DSE09XA4	360	30000	75000
2.2	3.7	5600	3.3	389.1	BK90Z-../DSE09XA4	622	49400	120000
2.2	3.3	6300	2.9	435.3	BK90Z-../DSE09XA4	622	49400	120000
2.2	2.9	7200	2.6	499.2	BK90Z-../DSE09XA4	622	49400	120000
2.2	2.6	8000	2.3	558.5	BK90Z-../DSE09XA4	622	49400	120000
2.2	2.3	9100	2.0	637.7	BK90Z-../DSE09XA4	622	49400	120000
2.2	2.0	10500	1.75	713.5	BK90Z-../DSE09XA4	622	49400	120000
2.2	1.8	10300	1.8	821.0	BK90G50-../DSE09XA4	633	49400	120000
2.2	1.7	11100	1.65	882.3	BK90G50-../DSE09XA4	633	49400	120000
2.2	1.5	12600	1.45	1008	BK90G50-../DSE09XA4	633	49400	120000
2.2	1.3	14600	1.25	1127	BK90G50-../DSE09XA4	633	49400	120000
2.2	1.1	17800	1.05	1363	BK90G50-../DSE09XA4	633	49400	120000

3 kW

P _N	50 Hz			i	Typ	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
3	305	86	2.3	4.73	BK30-../DSE11SA4	65	1550	8800
3	240	109	1.95	6.02	BK30-../DSE11SA4	65	1690	9600
3	191	138	1.95	7.45	BK30-../DSE11SA4	65	2200	10400
3	148	178	1.8	9.63	BK30-../DSE11SA4	65	3150	11500
3	125	205	2.0	11.39	BK30-../DSE11SA4	65	4150	11000
3	120	215	1.5	11.93	BK30-../DSE11SA4	65	3650	12000
3	102	255	1.25	13.98	BK30-../DSE11SA4	65	4050	12000
3	98	260	1.75	14.50	BK30-../DSE11SA4	65	4900	12000
3	80	320	1.4	17.95	BK30-../DSE11SA4	65	5300	12000
3	62	415	1.1	23.20	BK30-../DSE11SA4	65	5900	12000
3	49.5	520	0.87	28.76	BK30-../DSE11SA4	65	6500	12000
3	153	172	2.9	9.31	BK40-../DSE11SA4	90	1040	11200
3	120	215	2.3	11.86	BK40-../DSE11SA4	90	1770	12200
3	98	260	3.0	14.50	BK40-../DSE11SA4	90	4500	14300
3	79	325	2.4	18.05	BK40-../DSE11SA4	90	4900	15300
3	64	400	1.95	22.44	BK40-../DSE11SA4	90	5500	16500
3	50	510	1.55	28.59	BK40-../DSE11SA4	90	6300	17000
3	41.5	620	1.25	34.61	BK40-../DSE11SA4	90	6900	17000
3	35	730	1.05	40.88	BK40-../DSE11SA4	90	7600	17000
3	80	325	2.2	17.92	BK50-../DSE11SA4	120	4600	16800
3	74	345	3.0	19.33	BK50-../DSE11SA4	120	6900	19200
3	54	475	2.2	26.51	BK50-../DSE11SA4	120	7800	21200
3	40.5	630	1.65	35.21	BK50-../DSE11SA4	120	8700	23100
3	30	840	1.25	47.50	BK50-../DSE11SA4	120	10100	25700
3	23.5	1070	0.98	60.76	BK50-../DSE11SA4	120	11400	26000
3	19	1310	0.8	75.40	BK50-../DSE11SA4	120	12600	26000
3	38	750	3.1	37.80	BK60-../DSE11SA4	130	7300	26500
3	32	890	2.6	45.05	BK60-../DSE11SA4	130	8200	28300
3	28.5	1000	2.3	50.40	BK60-../DSE11SA4	130	9100	29800
3	24.5	1160	2.0	58.95	BK60-../DSE11SA4	130	9900	31500
3	22	1300	1.75	65.95	BK60-../DSE11SA4	130	10900	33000
3	18.5	1540	1.5	78.13	BK60-../DSE11SA4	130	11900	34000
3	16.5	1730	1.35	87.41	BK60-../DSE11SA4	130	12900	34000

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

BK-series bevel geared motors

Selection - bevel geared motors DSE - IE1

3 kW

P _N	50 Hz			i	Typ	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
3	14.5	1970	1.15	101.2	BK60-../DSE11SA4	130	13900	34000
3	13	2200	1.05	113.2	BK60-../DSE11SA4	130	15000	34000
3	12	2350	0.98	122.5	BK60-../DSE11SA4	130	15500	34000
3	10.5	2700	0.85	137.0	BK60-../DSE11SA4	130	16600	34000
3	18	1590	3.3	79.89	BK70-../DSE11SA4	209	14300	47600
3	16	1790	2.9	90.96	BK70-../DSE11SA4	209	15300	49900
3	14	2000	2.6	103.5	BK70-../DSE11SA4	209	17200	50000
3	12	2350	2.2	120.2	BK70-../DSE11SA4	209	18600	50000
3	10.5	2700	1.95	136.7	BK70-../DSE11SA4	209	20700	50000
3	9.2	3100	1.7	154.4	BK70-../DSE11SA4	209	21900	50000
3	8.1	3500	1.5	175.7	BK70-../DSE11SA4	209	24100	50000
3	7.5	3800	1.35	190.4	BK70Z-../DSE11SA4	236	24100	50000
3	6.3	4500	1.15	226.2	BK70Z-../DSE11SA4	236	24100	50000
3	5.6	5100	1.0	257.3	BK70Z-../DSE11SA4	236	24100	50000
3	4.9	5800	0.9	293.3	BK70Z-../DSE11SA4	236	24100	50000
3	8.3	3450	3.0	171.5	BK80-../DSE11SA4	324	30000	75000
3	8.0	3550	3.2	177.6	BK80Z-../DSE11SA4	366	30000	75000
3	7.2	3950	2.9	198.9	BK80Z-../DSE11SA4	366	30000	75000
3	6.3	4500	2.6	226.1	BK80Z-../DSE11SA4	366	30000	75000
3	5.7	5000	2.3	253.3	BK80Z-../DSE11SA4	366	30000	75000
3	4.8	5900	1.95	300.6	BK80Z-../DSE11SA4	366	30000	75000
3	4.3	6600	1.75	336.7	BK80Z-../DSE11SA4	366	30000	75000
3	3.7	7700	1.5	389.0	BK80Z-../DSE11SA4	366	30000	75000
3	3.3	8600	1.35	435.7	BK80Z-../DSE11SA4	366	30000	75000
3	2.9	9800	1.15	499.5	BK80Z-../DSE11SA4	366	30000	75000
3	2.6	11000	1.05	559.5	BK80Z-../DSE11SA4	366	30000	75000
3	2.4	11100	1.05	607.8	BK80G40-../DSE11SA4	374	30000	75000
3	2.1	12800	0.9	680.9	BK80G40-../DSE11SA4	374	30000	75000
3	1.9	14200	0.81	756.3	BK80G40-../DSE11SA4	374	30000	75000
3	4.9	5800	3.2	295.6	BK90Z-../DSE11SA4	632	49400	120000
3	4.3	6600	2.8	330.7	BK90Z-../DSE11SA4	632	49400	120000
3	3.7	7700	2.4	389.1	BK90Z-../DSE11SA4	632	49400	120000
3	3.3	8600	2.2	435.3	BK90Z-../DSE11SA4	632	49400	120000
3	2.9	9800	1.9	499.2	BK90Z-../DSE11SA4	632	49400	120000
3	2.6	11000	1.7	558.5	BK90Z-../DSE11SA4	632	49400	120000
3	2.3	12400	1.5	637.7	BK90Z-../DSE11SA4	632	49400	120000
3	2.0	14300	1.3	713.5	BK90Z-../DSE11SA4	632	49400	120000
3	1.8	14500	1.3	821.0	BK90G50-../DSE11SA4	648	49400	120000
3	1.7	15600	1.2	882.3	BK90G50-../DSE11SA4	648	49400	120000
3	1.5	17700	1.05	1008	BK90G50-../DSE11SA4	648	49400	120000
3	1.3	20500	0.9	1127	BK90G50-../DSE11SA4	648	49400	120000

4 kW

P _N	50 Hz			i	Typ	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
4	305	115	1.7	4.73	BK30-../DSE11MA4	65	1550	8800
4	240	146	1.45	6.02	BK30-../DSE11MA4	65	1690	9600
4	191	184	1.45	7.45	BK30-../DSE11MA4	65	2200	10400
4	148	235	1.35	9.63	BK30-../DSE11MA4	65	3150	11500
4	125	275	1.5	11.39	BK30-../DSE11MA4	65	4150	11000
4	120	290	1.1	11.93	BK30-../DSE11MA4	65	3650	12000
4	102	340	0.94	13.98	BK30-../DSE11MA4	65	4050	12000
4	98	350	1.3	14.50	BK30-../DSE11MA4	65	4900	12000
4	80	425	1.05	17.95	BK30-../DSE11MA4	65	5300	12000
4	62	550	0.82	23.20	BK30-../DSE11MA4	65	5900	12000
4	240	146	3.2	6.02	BK40-../DSE11MA4	90	470	9800
4	190	184	2.7	7.49	BK40-../DSE11MA4	90	750	10500
4	153	225	2.2	9.31	BK40-../DSE11MA4	90	1040	11200
4	128	265	2.7	11.17	BK40-../DSE11MA4	90	4100	13100
4	120	290	1.7	11.86	BK40-../DSE11MA4	90	1770	12200

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

BK-series bevel geared motors

Selection - bevel geared motors DSE - IE1

4 kW

P _N	50 Hz			i	Typ	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
4	98	350	2.2	14.50	BK40-../DSE11MA4	90	4500	14300
4	79	435	1.8	18.05	BK40-../DSE11MA4	90	4900	15300
4	64	530	1.45	22.44	BK40-../DSE11MA4	90	5500	16500
4	50	680	1.15	28.59	BK40-../DSE11MA4	90	6300	17000
4	41.5	820	0.95	34.61	BK40-../DSE11MA4	90	6900	17000
4	35	980	0.8	40.88	BK40-../DSE11MA4	90	7600	17000
4	142	245	3.3	10.00	BK50-../DSE11MA4	120	1220	13200
4	102	335	3.1	13.95	BK50-../DSE11MA4	120	6100	17400
4	94	365	2.9	15.19	BK50-../DSE11MA4	120	6300	18000
4	80	430	1.7	17.92	BK50-../DSE11MA4	120	4600	16800
4	74	460	2.3	19.33	BK50-../DSE11MA4	120	6900	19200
4	54	630	1.65	26.51	BK50-../DSE11MA4	120	7800	21200
4	40.5	840	1.25	35.21	BK50-../DSE11MA4	120	8700	23100
4	30	1130	0.93	47.50	BK50-../DSE11MA4	120	10100	25700
4	52	730	3.2	27.36	BK60-../DSE11MA4	130	5600	23200
4	42.5	890	2.6	33.78	BK60-../DSE11MA4	130	6500	25200
4	38	1000	2.3	37.80	BK60-../DSE11MA4	130	7300	26500
4	32	1190	1.95	45.05	BK60-../DSE11MA4	130	8200	28300
4	28.5	1340	1.7	50.40	BK60-../DSE11MA4	130	9100	29800
4	24.5	1550	1.5	58.95	BK60-../DSE11MA4	130	9900	31500
4	22	1730	1.35	65.95	BK60-../DSE11MA4	130	10900	33000
4	18.5	2050	1.1	78.13	BK60-../DSE11MA4	130	11900	34000
4	16.5	2300	1.0	87.41	BK60-../DSE11MA4	130	12900	34000
4	14.5	2600	0.88	101.2	BK60-../DSE11MA4	130	13900	34000
4	23.5	1620	3.2	61.60	BK70-../DSE11MA4	209	11500	42800
4	20.5	1860	2.8	70.23	BK70-../DSE11MA4	209	12500	44800
4	18	2100	2.5	79.89	BK70-../DSE11MA4	209	14300	47600
4	16	2350	2.2	90.96	BK70-../DSE11MA4	209	15300	49900
4	14	2700	1.95	103.5	BK70-../DSE11MA4	209	17200	50000
4	12	3150	1.65	120.2	BK70-../DSE11MA4	209	18600	50000
4	10.5	3600	1.45	136.7	BK70-../DSE11MA4	209	20700	50000
4	9.2	4150	1.25	154.4	BK70-../DSE11MA4	209	21900	50000
4	8.1	4700	1.1	175.7	BK70-../DSE11MA4	209	24100	50000
4	7.5	5000	1.05	190.4	BK70Z-../DSE11MA4	236	24100	50000
4	6.3	6000	0.87	226.2	BK70Z-../DSE11MA4	236	24100	50000
4	11	3450	3.0	131.6	BK80-../DSE11MA4	324	24900	75000
4	9.3	4100	2.6	153.1	BK80-../DSE11MA4	324	27200	75000
4	8.3	4600	2.3	171.5	BK80-../DSE11MA4	324	30000	75000
4	8.0	4750	2.4	177.6	BK80Z-../DSE11MA4	366	30000	75000
4	7.2	5300	2.2	198.9	BK80Z-../DSE11MA4	366	30000	75000
4	6.3	6000	1.9	226.1	BK80Z-../DSE11MA4	366	30000	75000
4	5.7	6700	1.7	253.3	BK80Z-../DSE11MA4	366	30000	75000
4	4.8	7900	1.45	300.6	BK80Z-../DSE11MA4	366	30000	75000
4	4.3	8800	1.3	336.7	BK80Z-../DSE11MA4	366	30000	75000
4	3.7	10300	1.1	389.0	BK80Z-../DSE11MA4	366	30000	75000
4	3.3	11500	1.0	435.7	BK80Z-../DSE11MA4	366	30000	75000
4	2.9	13100	0.88	499.5	BK80Z-../DSE11MA4	366	30000	75000
4	6.1	6200	3.0	234.6	BK90Z-../DSE11MA4	632	49400	120000
4	5.5	6900	2.7	262.5	BK90Z-../DSE11MA4	632	49400	120000
4	4.9	7700	2.4	295.6	BK90Z-../DSE11MA4	632	49400	120000
4	4.3	8800	2.1	330.7	BK90Z-../DSE11MA4	632	49400	120000
4	3.7	10300	1.8	389.1	BK90Z-../DSE11MA4	632	49400	120000
4	3.3	11500	1.6	435.3	BK90Z-../DSE11MA4	632	49400	120000
4	2.9	13100	1.4	499.2	BK90Z-../DSE11MA4	632	49400	120000
4	2.6	14600	1.25	558.5	BK90Z-../DSE11MA4	632	49400	120000
4	2.3	16600	1.1	637.7	BK90Z-../DSE11MA4	632	49400	120000
4	2.0	19100	0.97	713.5	BK90Z-../DSE11MA4	632	49400	120000
4	1.8	19800	0.93	821.0	BK90G50-../DSE11MA4	648	49400	120000
4	1.7	21200	0.87	882.3	BK90G50-../DSE11MA4	648	49400	120000

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

BK-series bevel geared motors

Selection - bevel geared motors DSE - IE1

5.5 kW

P _N	50 Hz			i	Typ	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:]		[kg]	[N]	[N]
5.5	305	158	1.25	4.73	BK30-../DSE11LA4	76	1550	8800
5.5	240	200	1.05	6.02	BK30-../DSE11LA4	76	1690	9600
5.5	191	250	1.05	7.45	BK30-../DSE11LA4	76	2200	10400
5.5	148	325	0.98	9.63	BK30-../DSE11LA4	76	3150	11500
5.5	125	375	1.1	11.39	BK30-../DSE11LA4	76	4150	11000
5.5	120	400	0.8	11.93	BK30-../DSE11LA4	76	3650	12000
5.5	98	480	0.94	14.50	BK30-../DSE11LA4	76	4900	12000
5.5	310	155	2.8	4.63	BK40-../DSE11LA4	102	430	8900
5.5	240	200	2.4	6.02	BK40-../DSE11LA4	102	470	9800
5.5	190	250	1.95	7.49	BK40-../DSE11LA4	102	750	10500
5.5	153	315	1.55	9.31	BK40-../DSE11LA4	102	1040	11200
5.5	128	365	1.95	11.17	BK40-../DSE11LA4	102	4100	13100
5.5	120	400	1.25	11.86	BK40-../DSE11LA4	102	1770	12200
5.5	98	480	1.65	14.50	BK40-../DSE11LA4	102	4500	14300
5.5	79	590	1.3	18.05	BK40-../DSE11LA4	102	4900	15300
5.5	64	730	1.05	22.44	BK40-../DSE11LA4	102	5500	16500
5.5	50	940	0.83	28.59	BK40-../DSE11LA4	102	6300	17000
5.5	195	245	3.3	7.29	BK50-../DSE11LA4	132	620	111000
5.5	146	320	2.9	9.73	BK50-../DSE11LA4	132	5400	15400
5.5	142	340	2.4	10.00	BK50-../DSE11LA4	132	1220	13200
5.5	102	460	2.3	13.95	BK50-../DSE11LA4	132	6100	17400
5.5	94	500	2.1	15.19	BK50-../DSE11LA4	132	6300	18000
5.5	80	590	1.25	17.92	BK50-../DSE11LA4	132	4600	16800
5.5	74	630	1.65	19.33	BK50-../DSE11LA4	132	6900	19200
5.5	54	870	1.2	26.51	BK50-../DSE11LA4	132	7800	21200
5.5	40.5	1160	0.91	35.21	BK50-../DSE11LA4	132	8700	23100
5.5	89	590	3.3	16.05	BK60-../DSE11LA4	142	4050	18800
5.5	78	670	3.3	18.36	BK60-../DSE11LA4	142	4000	19900
5.5	70	750	3.0	20.54	BK60-../DSE11LA4	142	4400	20600
5.5	59	890	2.6	24.45	BK60-../DSE11LA4	142	4850	22000
5.5	52	1010	2.3	27.36	BK60-../DSE11LA4	142	5600	23200
5.5	42.5	1230	1.85	33.78	BK60-../DSE11LA4	142	6500	25200
5.5	38	1380	1.65	37.80	BK60-../DSE11LA4	142	7300	26500
5.5	32	1640	1.4	45.05	BK60-../DSE11LA4	142	8200	28300
5.5	28.5	1840	1.25	50.40	BK60-../DSE11LA4	142	9100	29800
5.5	24.5	2100	1.1	58.95	BK60-../DSE11LA4	142	9900	31500
5.5	22	2350	0.98	65.95	BK60-../DSE11LA4	142	10900	33000
5.5	18.5	2800	0.82	78.13	BK60-../DSE11LA4	142	11900	34000
5.5	35.5	1470	3.3	40.08	BK70-../DSE11LA4	221	8300	36300
5.5	31.5	1660	3.1	45.59	BK70-../DSE11LA4	221	9000	37900
5.5	26.5	1980	2.6	54.15	BK70-../DSE11LA4	221	9900	40200
5.5	23.5	2200	2.4	61.60	BK70-../DSE11LA4	221	11500	42800
5.5	20.5	2550	2.0	70.23	BK70-../DSE11LA4	221	12500	44800
5.5	18	2900	1.8	79.89	BK70-../DSE11LA4	221	14300	47600
5.5	16	3250	1.6	90.96	BK70-../DSE11LA4	221	15300	49900
5.5	14	3750	1.4	103.5	BK70-../DSE11LA4	221	17200	50000
5.5	12	4350	1.2	120.2	BK70-../DSE11LA4	221	18600	50000
5.5	10.5	5000	1.05	136.7	BK70-../DSE11LA4	221	20700	50000
5.5	9.2	5700	0.91	154.4	BK70-../DSE11LA4	221	21900	50000
5.5	8.1	6400	0.81	175.7	BK70-../DSE11LA4	221	24100	50000
5.5	16	3250	3.2	91.53	BK80-../DSE11LA4	336	18300	74200
5.5	14	3750	2.8	102.5	BK80-../DSE11LA4	336	20500	75000
5.5	12.5	4200	2.5	117.5	BK80-../DSE11LA4	336	22300	75000
5.5	11	4750	2.2	131.6	BK80-../DSE11LA4	336	24900	75000
5.5	9.3	5600	1.9	153.1	BK80-../DSE11LA4	336	27200	75000
5.5	8.3	6300	1.65	171.5	BK80-../DSE11LA4	336	30000	75000
5.5	8.0	6500	1.75	177.6	BK80Z-../DSE11LA4	378	30000	75000
5.5	7.2	7200	1.6	198.9	BK80Z-../DSE11LA4	378	30000	75000
5.5	6.3	8300	1.4	226.1	BK80Z-../DSE11LA4	378	30000	75000
5.5	5.7	9200	1.25	253.3	BK80Z-../DSE11LA4	378	30000	75000
5.5	4.8	10900	1.05	300.6	BK80Z-../DSE11LA4	378	30000	75000
5.5	4.3	12200	0.94	336.7	BK80Z-../DSE11LA4	378	30000	75000
5.5	3.7	14100	0.82	389.0	BK80Z-../DSE11LA4	378	30000	75000
5.5	8.2	6400	2.9	174.7	BK90Z-../DSE11LA4	643	49400	120000

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

BK-series bevel geared motors

Selection - bevel geared motors DSE - IE1

5.5 kW

P _N	50 Hz			i	Typ	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
5.5	7.3	7100	2.6	195.4	BK90Z-../DSE11LA4	643	49400	120000
5.5	6.1	8600	2.2	234.6	BK90Z-../DSE11LA4	643	49400	120000
5.5	5.5	9500	1.95	262.5	BK90Z-../DSE11LA4	643	49400	120000
5.5	4.9	10700	1.75	295.6	BK90Z-../DSE11LA4	643	49400	120000
5.5	4.3	12200	1.5	330.7	BK90Z-../DSE11LA4	643	49400	120000
5.5	3.7	14100	1.3	389.1	BK90Z-../DSE11LA4	643	49400	120000
5.5	3.3	15900	1.15	435.3	BK90Z-../DSE11LA4	643	49400	120000
5.5	2.9	18100	1.0	499.2	BK90Z-../DSE11LA4	643	49400	120000
5.5	2.6	20200	0.92	558.5	BK90Z-../DSE11LA4	643	49400	120000
5.5	2.3	22800	0.81	637.7	BK90Z-../DSE11LA4	643	49400	120000

7.5 kW

P _N	50 Hz			i	Typ	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
7.5	395	166	4.3	3.67	BK50-../DSE13MA4	143	115	9400
7.5	275	235	3.5	5.26	BK50-../DSE13MA4	143	130	10700
7.5	198	330	2.5	7.29	BK50-../DSE13MA4	143	620	111000
7.5	148	435	2.1	9.73	BK50-../DSE13MA4	143	5400	15400
7.5	144	455	1.8	10.00	BK50-../DSE13MA4	143	1220	13200
7.5	104	610	1.7	13.95	BK50-../DSE13MA4	143	6100	17400
7.5	95	670	1.55	15.19	BK50-../DSE13MA4	143	6300	18000
7.5	81	800	0.91	17.92	BK50-../DSE13MA4	143	4600	16800
7.5	75	850	1.25	19.33	BK50-../DSE13MA4	143	6900	19200
7.5	55	1170	0.9	26.51	BK50-../DSE13MA4	143	7800	21200
7.5	134	530	3.2	10.82	BK60-../DSE13MA4	155	3200	17000
7.5	117	610	3.1	12.38	BK60-../DSE13MA4	155	3500	17400
7.5	104	680	2.9	13.85	BK60-../DSE13MA4	155	3850	18000
7.5	100	710	2.7	14.41	BK60-../DSE13MA4	155	3650	18600
7.5	90	790	2.5	16.05	BK60-../DSE13MA4	155	4050	18800
7.5	79	900	2.4	18.36	BK60-../DSE13MA4	155	4000	19900
7.5	71	1000	2.3	20.54	BK60-../DSE13MA4	155	4400	20600
7.5	59	1210	1.9	24.45	BK60-../DSE13MA4	155	4850	22000
7.5	53	1350	1.7	27.36	BK60-../DSE13MA4	155	5600	23200
7.5	43	1660	1.4	33.78	BK60-../DSE13MA4	155	6500	25200
7.5	38.5	1860	1.25	37.80	BK60-../DSE13MA4	155	7300	26500
7.5	32	2200	1.05	45.05	BK60-../DSE13MA4	155	8200	28300
7.5	29	2450	0.94	50.40	BK60-../DSE13MA4	155	9100	29800
7.5	47	1520	3.0	30.90	BK70-../DSE13MA4	234	7500	33600
7.5	41	1740	2.7	35.15	BK70-../DSE13MA4	234	8000	35000
7.5	36	1980	2.5	40.08	BK70-../DSE13MA4	234	8300	36300
7.5	32	2200	2.3	45.59	BK70-../DSE13MA4	234	9000	37900
7.5	27	2650	1.95	54.15	BK70-../DSE13MA4	234	9900	40200
7.5	23.5	3000	1.75	61.60	BK70-../DSE13MA4	234	11500	42800
7.5	21	3400	1.55	70.23	BK70-../DSE13MA4	234	12500	44800
7.5	18.5	3850	1.35	79.89	BK70-../DSE13MA4	234	14300	47600
7.5	16	4450	1.15	90.96	BK70-../DSE13MA4	234	15300	49900
7.5	14	5100	1.0	103.5	BK70-../DSE13MA4	234	17200	50000
7.5	12	5900	0.88	120.2	BK70-../DSE13MA4	234	18600	50000
7.5	11	6500	0.8	136.7	BK70-../DSE13MA4	234	20700	50000
7.5	24.5	2900	3.2	59.60	BK80-../DSE13MA4	348	15700	65500
7.5	20.5	3450	2.8	70.72	BK80-../DSE13MA4	348	16600	68700
7.5	18.5	3850	2.6	79.22	BK80-../DSE13MA4	348	17600	71300
7.5	16	4450	2.3	91.53	BK80-../DSE13MA4	348	18300	74200
7.5	14.5	4900	2.1	102.5	BK80-../DSE13MA4	348	20500	75000
7.5	12.5	5700	1.85	117.5	BK80-../DSE13MA4	348	22300	75000
7.5	11	6500	1.6	131.6	BK80-../DSE13MA4	348	24900	75000
7.5	9.5	7500	1.4	153.1	BK80-../DSE13MA4	348	27200	75000
7.5	8.4	8500	1.25	171.5	BK80-../DSE13MA4	348	30000	75000
7.5	8.2	8700	1.3	177.6	BK80Z-../DSE13MA4	391	30000	75000
7.5	7.3	9800	1.15	198.9	BK80Z-../DSE13MA4	391	30000	75000
7.5	6.4	11100	1.05	226.1	BK80Z-../DSE13MA4	391	30000	75000

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

BK-series bevel geared motors

Selection - bevel geared motors DSE - IE1

7.5 kW

P _N	50 Hz			i	Typ	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
7.5	5.7	12500	0.92	253.3	BK80Z-../DSE13MA4	391	30000	75000
7.5	12.5	5700	2.9	117.0	BK90-../DSE13MA4	600	39200	113000
7.5	11.5	6200	2.7	130.9	BK90-../DSE13MA4	600	42700	119400
7.5	9.7	7300	2.3	149.5	BK90-../DSE13MA4	600	45600	120000
7.5	8.7	8200	2.0	167.2	BK90-../DSE13MA4	600	49400	120000
7.5	8.3	8600	2.2	174.7	BK90Z-../DSE13MA4	656	49400	120000
7.5	7.4	9600	1.95	195.4	BK90Z-../DSE13MA4	656	49400	120000
7.5	6.2	11500	1.6	234.6	BK90Z-../DSE13MA4	656	49400	120000
7.5	5.5	13000	1.4	262.5	BK90Z-../DSE13MA4	656	49400	120000
7.5	4.9	14600	1.25	295.6	BK90Z-../DSE13MA4	656	49400	120000
7.5	4.4	16200	1.15	330.7	BK90Z-../DSE13MA4	656	49400	120000
7.5	3.8	18800	0.98	389.1	BK90Z-../DSE13MA4	656	49400	120000
7.5	3.4	21000	0.88	435.3	BK90Z-../DSE13MA4	656	49400	120000

9.5 kW

P _N	50 Hz			i	Typ	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
9.5	395	210	3.4	3.67	BK50-../DSE13LA4	146	115	9400
9.5	275	300	2.7	5.26	BK50-../DSE13LA4	146	130	10700
9.5	198	420	1.95	7.29	BK50-../DSE13LA4	146	620	111000
9.5	148	550	1.7	9.73	BK50-../DSE13LA4	146	5400	15400
9.5	144	570	1.4	10.00	BK50-../DSE13LA4	146	1220	13200
9.5	104	780	1.35	13.95	BK50-../DSE13LA4	146	6100	17400
9.5	95	850	1.25	15.19	BK50-../DSE13LA4	146	6300	18000
9.5	75	1080	0.97	19.33	BK50-../DSE13LA4	146	6900	19200
9.5	198	455	3.2	7.29	BK60-../DSE13LA4	158	2800	14900
9.5	134	670	2.5	10.82	BK60-../DSE13LA4	158	3200	17000
9.5	117	770	2.4	12.38	BK60-../DSE13LA4	158	3500	17400
9.5	104	870	2.3	13.85	BK60-../DSE13LA4	158	3850	18000
9.5	100	900	2.1	14.41	BK60-../DSE13LA4	158	3650	18600
9.5	90	1000	1.95	16.05	BK60-../DSE13LA4	158	4050	18800
9.5	79	1140	1.9	18.36	BK60-../DSE13LA4	158	4000	19900
9.5	71	1270	1.75	20.54	BK60-../DSE13LA4	158	4400	20600
9.5	59	1530	1.5	24.45	BK60-../DSE13LA4	158	4850	22000
9.5	53	1710	1.35	27.36	BK60-../DSE13LA4	158	5600	23200
9.5	43	2100	1.1	33.78	BK60-../DSE13LA4	158	6500	25200
9.5	38.5	2350	0.98	37.80	BK60-../DSE13LA4	158	7300	26500
9.5	32	2800	0.82	45.05	BK60-../DSE13LA4	158	8200	28300
9.5	95	950	3.2	15.16	BK70-../DSE13LA4	237	5600	25800
9.5	84	1080	3.2	17.24	BK70-../DSE13LA4	237	6500	29200
9.5	66	1370	3.0	21.88	BK70-../DSE13LA4	237	6500	30200
9.5	58	1560	2.7	24.89	BK70-../DSE13LA4	237	7000	31500
9.5	47	1930	2.3	30.90	BK70-../DSE13LA4	237	7500	33600
9.5	41	2200	2.2	35.15	BK70-../DSE13LA4	237	8000	35000
9.5	36	2500	1.95	40.08	BK70-../DSE13LA4	237	8300	36300
9.5	32	2800	1.85	45.59	BK70-../DSE13LA4	237	9000	37900
9.5	27	3350	1.55	54.15	BK70-../DSE13LA4	237	9900	40200
9.5	23.5	3850	1.35	61.60	BK70-../DSE13LA4	237	11500	42800
9.5	21	4300	1.2	70.23	BK70-../DSE13LA4	237	12500	44800
9.5	18.5	4900	1.05	79.89	BK70-../DSE13LA4	237	14300	47600
9.5	16	5600	0.93	90.96	BK70-../DSE13LA4	237	15300	49900
9.5	14	6400	0.81	103.5	BK70-../DSE13LA4	237	17200	50000
9.5	34.5	2600	3.2	41.78	BK80-../DSE13LA4	351	13500	58700
9.5	31	2900	3.0	46.80	BK80-../DSE13LA4	351	14300	60900
9.5	27.5	3250	2.7	53.21	BK80-../DSE13LA4	351	14800	63100
9.5	24.5	3700	2.5	59.60	BK80-../DSE13LA4	351	15700	65500
9.5	20.5	4400	2.2	70.72	BK80-../DSE13LA4	351	16600	68700
9.5	18.5	4900	2.1	79.22	BK80-../DSE13LA4	351	17600	71300
9.5	16	5600	1.85	91.53	BK80-../DSE13LA4	351	18300	74200
9.5	14.5	6200	1.7	102.5	BK80-../DSE13LA4	351	20500	75000

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

BK-series bevel geared motors

Selection - bevel geared motors DSE - IE1

9.5 kW

P _N	50 Hz			i	Typ	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
9.5	12.5	7200	1.45	117.5	BK80-../DSE13LA4	351	22300	75000
9.5	11	8200	1.3	131.6	BK80-../DSE13LA4	351	24900	75000
9.5	9.5	9500	1.1	153.1	BK80-../DSE13LA4	351	27200	75000
9.5	8.4	10800	0.97	171.5	BK80-../DSE13LA4	351	30000	75000
9.5	8.2	11000	1.05	177.6	BK80Z-../DSE13LA4	394	30000	75000
9.5	7.3	12400	0.93	198.9	BK80Z-../DSE13LA4	394	30000	75000
9.5	6.4	14100	0.82	226.1	BK80Z-../DSE13LA4	394	30000	75000
9.5	16	5600	3.0	91.19	BK90-../DSE13LA4	603	33300	101000
9.5	14.5	6200	2.7	102.0	BK90-../DSE13LA4	603	36600	107000
9.5	12.5	7200	2.3	117.0	BK90-../DSE13LA4	603	39200	113000
9.5	11.5	7800	2.2	130.9	BK90-../DSE13LA4	603	42700	119400
9.5	9.7	9300	1.8	149.5	BK90-../DSE13LA4	603	45600	120000
9.5	8.7	10400	1.6	167.2	BK90-../DSE13LA4	603	49400	120000
9.5	8.3	10900	1.7	174.7	BK90Z-../DSE13LA4	659	49400	120000
9.5	7.4	12200	1.5	195.4	BK90Z-../DSE13LA4	659	49400	120000
9.5	6.2	14600	1.25	234.6	BK90Z-../DSE13LA4	659	49400	120000
9.5	5.5	16400	1.15	262.5	BK90Z-../DSE13LA4	659	49400	120000
9.5	4.9	18500	1.0	295.6	BK90Z-../DSE13LA4	659	49400	120000
9.5	4.4	20600	0.9	330.7	BK90Z-../DSE13LA4	659	49400	120000

8

11 kW

P _N	50 Hz			i	Typ	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
11	400	240	3.0	3.67	BK50-../DSE16MB4	170	115	9400
11	280	345	2.4	5.26	BK50-../DSE16MB4	170	130	10700
11	205	470	1.75	7.29	BK50-../DSE16MB4	170	620	111000
11	151	620	1.5	9.73	BK50-../DSE16MB4	170	5400	15400
11	146	660	1.25	10.00	BK50-../DSE16MB4	170	1220	13200
11	105	900	1.15	13.95	BK50-../DSE16MB4	170	6100	17400
11	97	970	1.1	15.19	BK50-../DSE16MB4	170	6300	18000
11	76	1240	0.85	19.33	BK50-../DSE16MB4	170	6900	19200
11	205	510	2.9	7.29	BK60-../DSE16MB4	182	2800	14900
11	135	770	2.2	10.82	BK60-../DSE16MB4	182	3200	17000
11	118	890	2.1	12.38	BK60-../DSE16MB4	182	3500	17400
11	106	990	2.0	13.85	BK60-../DSE16MB4	182	3850	18000
11	102	1020	1.9	14.41	BK60-../DSE16MB4	182	3650	18600
11	91	1150	1.7	16.05	BK60-../DSE16MB4	182	4050	18800
11	80	1310	1.65	18.36	BK60-../DSE16MB4	182	4000	19900
11	72	1450	1.55	20.54	BK60-../DSE16MB4	182	4400	20600
11	60	1750	1.3	24.45	BK60-../DSE16MB4	182	4850	22000
11	54	1940	1.2	27.36	BK60-../DSE16MB4	182	5600	23200
11	43.5	2400	0.96	33.78	BK60-../DSE16MB4	182	6500	25200
11	39	2650	0.87	37.80	BK60-../DSE16MB4	182	7300	26500
11	107	980	3.1	13.70	BK70-../DSE16MB4	265	5400	24800
11	97	1080	2.8	15.16	BK70-../DSE16MB4	265	5600	25800
11	85	1230	2.8	17.24	BK70-../DSE16MB4	265	6500	29200
11	67	1560	2.6	21.88	BK70-../DSE16MB4	265	6500	30200
11	59	1780	2.4	24.89	BK70-../DSE16MB4	265	7000	31500
11	47.5	2200	2.1	30.90	BK70-../DSE16MB4	265	7500	33600
11	42	2500	1.9	35.15	BK70-../DSE16MB4	265	8000	35000
11	36.5	2850	1.7	40.08	BK70-../DSE16MB4	265	8300	36300
11	32.5	3200	1.6	45.59	BK70-../DSE16MB4	265	9000	37900
11	27	3850	1.35	54.15	BK70-../DSE16MB4	265	9900	40200
11	24	4350	1.2	61.60	BK70-../DSE16MB4	265	11500	42800
11	21	5000	1.05	70.23	BK70-../DSE16MB4	265	12500	44800
11	18.5	5600	0.93	79.89	BK70-../DSE16MB4	265	14300	47600
11	16.5	6300	0.83	90.96	BK70-../DSE16MB4	265	15300	49900
11	43	2400	3.3	34.22	BK80-../DSE16MB4	374	12600	55400
11	35	3000	2.7	41.78	BK80-../DSE16MB4	374	13500	58700
11	31.5	3300	2.6	46.80	BK80-../DSE16MB4	374	14300	60900

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

BK-series bevel geared motors

Selection - bevel geared motors DSE - IE1

11 kW

P _N	50 Hz			i	Typ	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
11	27.5	3800	2.3	53.21	BK80-../DSE16MB4	374	14800	63100
11	24.5	4250	2.2	59.60	BK80-../DSE16MB4	374	15700	65500
11	21	5000	1.95	70.72	BK80-../DSE16MB4	374	16600	68700
11	18.5	5600	1.8	79.22	BK80-../DSE16MB4	374	17600	71300
11	16	6500	1.6	91.53	BK80-../DSE16MB4	374	18300	74200
11	14.5	7200	1.45	102.5	BK80-../DSE16MB4	374	20500	75000
11	12.5	8400	1.25	117.5	BK80-../DSE16MB4	374	22300	75000
11	11.5	9100	1.15	131.6	BK80-../DSE16MB4	374	24900	75000
11	9.6	10900	0.96	153.1	BK80-../DSE16MB4	374	27200	75000
11	8.6	12200	0.86	171.5	BK80-../DSE16MB4	374	30000	75000
11	8.3	12600	0.91	177.6	BK80Z-../DSE16MB4	418	30000	75000
11	7.4	14100	0.82	198.9	BK80Z-../DSE16MB4	418	30000	75000
11	19	5500	3.1	77.51	BK90-../DSE16MB4	628	30300	94400
11	16.5	6300	2.7	91.19	BK90-../DSE16MB4	628	33300	101000
11	14.5	7200	2.3	102.0	BK90-../DSE16MB4	628	36600	107000
11	12.5	8400	2.0	117.0	BK90-../DSE16MB4	628	39200	113000
11	11.5	9100	1.85	130.9	BK90-../DSE16MB4	628	42700	119400
11	9.8	10700	1.55	149.5	BK90-../DSE16MB4	628	45600	120000
11	8.8	11900	1.4	167.2	BK90-../DSE16MB4	628	49400	120000
11	8.4	12500	1.5	174.7	BK90Z-../DSE16MB4	687	49400	120000
11	7.5	14000	1.3	195.4	BK90Z-../DSE16MB4	687	49400	120000
11	6.3	16600	1.1	234.6	BK90Z-../DSE16MB4	687	49400	120000
11	5.6	18700	0.99	262.5	BK90Z-../DSE16MB4	687	49400	120000
11	5.0	21000	0.88	295.6	BK90Z-../DSE16MB4	687	49400	120000

15 kW

P _N	50 Hz			i	Typ	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
15	400	325	2.2	3.67	BK50-../DSE16LB4	183	115	9400
15	280	470	1.75	5.26	BK50-../DSE16LB4	183	130	10700
15	205	640	1.25	7.29	BK50-../DSE16LB4	183	620	111000
15	151	850	1.1	9.73	BK50-../DSE16LB4	183	5400	15400
15	146	900	0.9	10.00	BK50-../DSE16LB4	183	1220	13200
15	105	1220	0.86	13.95	BK50-../DSE16LB4	183	6100	17400
15	97	1320	0.8	15.19	BK50-../DSE16LB4	183	6300	18000
15	205	690	2.1	7.29	BK60-../DSE16LB4	195	2800	14900
15	135	1060	1.6	10.82	BK60-../DSE16LB4	195	3200	17000
15	118	1210	1.55	12.38	BK60-../DSE16LB4	195	3500	17400
15	106	1350	1.45	13.85	BK60-../DSE16LB4	195	3850	18000
15	102	1400	1.4	14.41	BK60-../DSE16LB4	195	3650	18600
15	91	1570	1.25	16.05	BK60-../DSE16LB4	195	4050	18800
15	80	1790	1.2	18.36	BK60-../DSE16LB4	195	4000	19900
15	72	1980	1.15	20.54	BK60-../DSE16LB4	195	4400	20600
15	60	2350	0.98	24.45	BK60-../DSE16LB4	195	4850	22000
15	54	2650	0.87	27.36	BK60-../DSE16LB4	195	5600	23200
15	107	1330	2.3	13.70	BK70-../DSE16LB4	278	5400	24800
15	97	1470	2.1	15.16	BK70-../DSE16LB4	278	5600	25800
15	85	1680	2.1	17.24	BK70-../DSE16LB4	278	6500	29200
15	67	2100	1.95	21.88	BK70-../DSE16LB4	278	6500	30200
15	59	2400	1.8	24.89	BK70-../DSE16LB4	278	7000	31500
15	47.5	3000	1.5	30.90	BK70-../DSE16LB4	278	7500	33600
15	42	3400	1.4	35.15	BK70-../DSE16LB4	278	8000	35000
15	36.5	3900	1.25	40.08	BK70-../DSE16LB4	278	8300	36300
15	32.5	4400	1.15	45.59	BK70-../DSE16LB4	278	9000	37900
15	27	5300	0.98	54.15	BK70-../DSE16LB4	278	9900	40200
15	24	5900	0.88	61.60	BK70-../DSE16LB4	278	11500	42800
15	48	2950	2.5	30.56	BK80-../DSE16LB4	388	11900	53400
15	43	3300	2.4	34.22	BK80-../DSE16LB4	388	12600	55400
15	35	4050	2.0	41.78	BK80-../DSE16LB4	388	13500	58700
15	31.5	4500	1.9	46.80	BK80-../DSE16LB4	388	14300	60900

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

BK-series bevel geared motors

Selection - bevel geared motors DSE - IE1

15 kW

P _N	50 Hz			i	Typ	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
15	27.5	5200	1.7	53.21	BK80-../DSE16LB4	388	14800	63100
15	24.5	5800	1.6	59.60	BK80-../DSE16LB4	388	15700	65500
15	21	6800	1.4	70.72	BK80-../DSE16LB4	388	16600	68700
15	18.5	7700	1.3	79.22	BK80-../DSE16LB4	388	17600	71300
15	16	8900	1.15	91.53	BK80-../DSE16LB4	388	18300	74200
15	14.5	9800	1.05	102.5	BK80-../DSE16LB4	388	20500	75000
15	12.5	11400	0.92	117.5	BK80-../DSE16LB4	388	22300	75000
15	11.5	12400	0.85	131.6	BK80-../DSE16LB4	388	24900	75000
15	27	5300	3.0	54.98	BK90-../DSE16LB4	641	24000	81000
15	24	5900	2.8	61.52	BK90-../DSE16LB4	641	25500	84600
15	21.5	6600	2.5	69.27	BK90-../DSE16LB4	641	27200	88900
15	19	7500	2.2	77.51	BK90-../DSE16LB4	641	30300	94400
15	16.5	8600	1.95	91.19	BK90-../DSE16LB4	641	33300	101000
15	14.5	9800	1.7	102.0	BK90-../DSE16LB4	641	36600	107000
15	12.5	11400	1.45	117.0	BK90-../DSE16LB4	641	39200	113000
15	11.5	12400	1.35	130.9	BK90-../DSE16LB4	641	42700	119400
15	9.8	14600	1.15	149.5	BK90-../DSE16LB4	641	45600	120000
15	8.8	16200	1.05	167.2	BK90-../DSE16LB4	641	49400	120000
15	8.4	17000	1.1	174.7	BK90Z-../DSE16LB4	700	49400	120000
15	7.5	19100	0.97	195.4	BK90Z-../DSE16LB4	700	49400	120000
15	6.3	22700	0.81	234.6	BK90Z-../DSE16LB4	700	49400	120000

8

18.5 kW

P _N	50 Hz			i	Typ	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
18.5	400	405	1.75	3.67	BK50-../DSE16XB4	193	115	9400
18.5	280	580	1.4	5.26	BK50-../DSE16XB4	193	130	10700
18.5	205	790	1.05	7.29	BK50-../DSE16XB4	193	620	111000
18.5	151	1050	0.89	9.73	BK50-../DSE16XB4	193	5400	15400
18.5	205	860	1.7	7.29	BK60-../DSE16XB4	205	2800	14900
18.5	135	1300	1.3	10.82	BK60-../DSE16XB4	205	3200	17000
18.5	118	1490	1.25	12.38	BK60-../DSE16XB4	205	3500	17400
18.5	106	1660	1.2	13.85	BK60-../DSE16XB4	205	3850	18000
18.5	102	1730	1.1	14.41	BK60-../DSE16XB4	205	3650	18600
18.5	91	1940	1.0	16.05	BK60-../DSE16XB4	205	4050	18800
18.5	80	2200	0.99	18.36	BK60-../DSE16XB4	205	4000	19900
18.5	72	2450	0.92	20.54	BK60-../DSE16XB4	205	4400	20600
18.5	107	1650	1.85	13.70	BK70-../DSE16XB4	288	5400	24800
18.5	97	1820	1.7	15.16	BK70-../DSE16XB4	288	5600	25800
18.5	85	2050	1.7	17.24	BK70-../DSE16XB4	288	6500	29200
18.5	67	2600	1.55	21.88	BK70-../DSE16XB4	288	6500	30200
18.5	59	2950	1.45	24.89	BK70-../DSE16XB4	288	7000	31500
18.5	47.5	3700	1.2	30.90	BK70-../DSE16XB4	288	7500	33600
18.5	42	4200	1.15	35.15	BK70-../DSE16XB4	288	8000	35000
18.5	36.5	4800	1.0	40.08	BK70-../DSE16XB4	288	8300	36300
18.5	32.5	5400	0.95	45.59	BK70-../DSE16XB4	288	9000	37900
18.5	27	6500	0.8	54.15	BK70-../DSE16XB4	288	9900	40200
18.5	48	3650	2.1	30.56	BK80-../DSE16XB4	398	11900	53400
18.5	43	4100	1.9	34.22	BK80-../DSE16XB4	398	12600	55400
18.5	35	5000	1.65	41.78	BK80-../DSE16XB4	398	13500	58700
18.5	31.5	5600	1.55	46.80	BK80-../DSE16XB4	398	14300	60900
18.5	27.5	6400	1.4	53.21	BK80-../DSE16XB4	398	14800	63100
18.5	24.5	7200	1.3	59.60	BK80-../DSE16XB4	398	15700	65500
18.5	21	8400	1.15	70.72	BK80-../DSE16XB4	398	16600	68700
18.5	18.5	9500	1.05	79.22	BK80-../DSE16XB4	398	17600	71300
18.5	16	11000	0.95	91.53	BK80-../DSE16XB4	398	18300	74200
18.5	14.5	12100	0.87	102.5	BK80-../DSE16XB4	398	20500	75000
18.5	36	4900	3.0	40.94	BK90-../DSE16XB4	651	21400	73100
18.5	32	5500	2.8	45.80	BK90-../DSE16XB4	651	22700	76300

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

BK-series bevel geared motors

Selection - bevel geared motors DSE - IE1

18.5 kW

P _N	n ₂	50 Hz	f _B	i	Typ	m		
[kW]	[1/min]	M ₂ [Nm]	[—]	[:1]		[kg]	[N]	[N]
18.5	27	6500	2.5	54.98	BK90-../DSE16XB4	651	24000	81000
18.5	24	7300	2.3	61.52	BK90-../DSE16XB4	651	25500	84600
18.5	21.5	8200	2.0	69.27	BK90-../DSE16XB4	651	27200	88900
18.5	19	9200	1.85	77.51	BK90-../DSE16XB4	651	30300	94400
18.5	16.5	10700	1.55	91.19	BK90-../DSE16XB4	651	33300	101000
18.5	14.5	12100	1.4	102.0	BK90-../DSE16XB4	651	36600	107000
18.5	12.5	14100	1.2	117.0	BK90-../DSE16XB4	651	39200	113000
18.5	11.5	15300	1.1	130.9	BK90-../DSE16XB4	651	42700	119400
18.5	9.8	18000	0.93	149.5	BK90-../DSE16XB4	651	45600	120000
18.5	8.8	20000	0.84	167.2	BK90-../DSE16XB4	651	49400	120000
18.5	8.4	21000	0.88	174.7	BK90Z-../DSE16XB4	710	49400	120000

22 kW

P _N	n ₂	50 Hz	f _B	i	Typ	m		
[kW]	[1/min]	M ₂ [Nm]	[—]	[:1]		[kg]	[N]	[N]
22	400	480	1.5	3.67	BK50-../DSE18LB4	245	115	9400
22	280	690	1.2	5.26	BK50-../DSE18LB4	245	130	10700
22	205	940	0.86	7.29	BK50-../DSE18LB4	245	620	111000
22	205	1020	1.45	7.29	BK60-../DSE18LB4	252	2800	14900
22	135	1550	1.1	10.82	BK60-../DSE18LB4	252	3200	17000
22	102	2050	0.94	14.41	BK60-../DSE18LB4	252	3650	18600
22	80	2600	0.84	18.36	BK60-../DSE18LB4	252	4000	19900
22	97	2150	1.4	15.16	BK70-../DSE18LB4	329	5600	25800
22	85	2450	1.45	17.24	BK70-../DSE18LB4	329	6500	29200
22	67	3100	1.3	21.88	BK70-../DSE18LB4	329	6500	30200
22	59	3550	1.2	24.89	BK70-../DSE18LB4	329	7000	31500
22	47.5	4400	1.05	30.90	BK70-../DSE18LB4	329	7500	33600
22	42	5000	0.95	35.15	BK70-../DSE18LB4	329	8000	35000
22	36.5	5700	0.86	40.08	BK70-../DSE18LB4	329	8300	36300
22	32.5	6400	0.8	45.59	BK70-../DSE18LB4	329	9000	37900
22	102	2050	2.1	14.34	BK80-../DSE18LB4	443	7900	36200
22	92	2250	2.1	15.88	BK80-../DSE18LB4	443	8400	38600
22	83	2500	2.1	17.79	BK80-../DSE18LB4	443	9400	42100
22	76	2750	2.1	19.35	BK80-../DSE18LB4	443	9500	44000
22	66	3150	2.2	22.19	BK80-../DSE18LB4	443	10500	48500
22	59	3550	2.0	24.85	BK80-../DSE18LB4	443	11200	50400
22	48	4350	1.7	30.56	BK80-../DSE18LB4	443	11900	53400
22	43	4850	1.6	34.22	BK80-../DSE18LB4	443	12600	55400
22	35	6000	1.35	41.78	BK80-../DSE18LB4	443	13500	58700
22	31.5	6600	1.3	46.80	BK80-../DSE18LB4	443	14300	60900
22	27.5	7600	1.15	53.21	BK80-../DSE18LB4	443	14800	63100
22	24.5	8500	1.1	59.60	BK80-../DSE18LB4	443	15700	65500
22	21	10000	0.96	70.72	BK80-../DSE18LB4	443	16600	68700
22	18.5	11300	0.89	79.22	BK80-../DSE18LB4	443	17600	71300
22	48	4350	3.1	30.47	BK90-../DSE18LB4	698	19100	65900
22	43	4850	2.9	34.09	BK90-../DSE18LB4	698	20300	68800
22	36	5800	2.5	40.94	BK90-../DSE18LB4	698	21400	73100
22	32	6500	2.4	45.80	BK90-../DSE18LB4	698	22700	76300
22	27	7700	2.1	54.98	BK90-../DSE18LB4	698	24000	81000
22	24	8700	1.95	61.52	BK90-../DSE18LB4	698	25500	84600
22	21.5	9700	1.75	69.27	BK90-../DSE18LB4	698	27200	88900
22	19	11000	1.55	77.51	BK90-../DSE18LB4	698	30300	94400
22	16.5	12700	1.3	91.19	BK90-../DSE18LB4	698	33300	101000
22	14.5	14400	1.15	102.0	BK90-../DSE18LB4	698	36600	107000
22	12.5	16800	1.0	117.0	BK90-../DSE18LB4	698	39200	113000
22	11.5	18200	0.92	130.9	BK90-../DSE18LB4	698	42700	119400

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

BK-series bevel geared motors

Selection - bevel geared motors DSE - IE1

30 kW

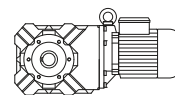
P _N	50 Hz			i	Typ	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
30	400	650	1.1	3.67	BK50-../DSE18XB4	263	115	9400
30	280	940	0.86	5.26	BK50-../DSE18XB4	263	130	10700
30	205	1390	1.05	7.29	BK60-../DSE18XB4	270	2800	14900
30	135	2100	0.8	10.82	BK60-../DSE18XB4	270	3200	17000
30	97	2950	1.05	15.16	BK70-../DSE18XB4	347	5600	25800
30	85	3350	1.05	17.24	BK70-../DSE18XB4	347	6500	29200
30	67	4250	0.96	21.88	BK70-../DSE18XB4	347	6500	30200
30	59	4850	0.88	24.89	BK70-../DSE18XB4	347	7000	31500
30	102	2800	1.55	14.34	BK80-../DSE18XB4	461	7900	36200
30	92	3100	1.55	15.88	BK80-../DSE18XB4	461	8400	38600
30	83	3450	1.5	17.79	BK80-../DSE18XB4	461	9400	42100
30	76	3750	1.55	19.35	BK80-../DSE18XB4	461	9500	44000
30	66	4300	1.6	22.19	BK80-../DSE18XB4	461	10500	48500
30	59	4850	1.45	24.85	BK80-../DSE18XB4	461	11200	50400
30	48	5900	1.25	30.56	BK80-../DSE18XB4	461	11900	53400
30	43	6600	1.2	34.22	BK80-../DSE18XB4	461	12600	55400
30	35	8100	1.0	41.78	BK80-../DSE18XB4	461	13500	58700
30	31.5	9000	0.95	46.80	BK80-../DSE18XB4	461	14300	60900
30	27.5	10400	0.85	53.21	BK80-../DSE18XB4	461	14800	63100
30	24.5	11600	0.8	59.60	BK80-../DSE18XB4	461	15700	65500
30	101	2800	3.3	14.49	BK90-../DSE18XB4	716	14500	50400
30	91	3100	3.3	16.21	BK90-../DSE18XB4	716	15400	52400
30	81	3500	3.3	18.07	BK90-../DSE18XB4	716	15600	54400
30	73	3900	3.1	20.21	BK90-../DSE18XB4	716	16600	56700
30	66	4300	2.9	22.29	BK90-../DSE18XB4	716	16900	59100
30	59	4850	2.6	24.94	BK90-../DSE18XB4	716	18000	61700
30	48	5900	2.3	30.47	BK90-../DSE18XB4	716	19100	65900
30	43	6600	2.1	34.09	BK90-../DSE18XB4	716	20300	68800
30	36	7900	1.85	40.94	BK90-../DSE18XB4	716	21400	73100
30	32	8900	1.75	45.80	BK90-../DSE18XB4	716	22700	76300
30	27	10600	1.5	54.98	BK90-../DSE18XB4	716	24000	81000
30	24	11900	1.4	61.52	BK90-../DSE18XB4	716	25500	84600
30	21.5	13300	1.25	69.27	BK90-../DSE18XB4	716	27200	88900
30	19	15000	1.1	77.51	BK90-../DSE18XB4	716	30300	94400
30	16.5	17300	0.97	91.19	BK90-../DSE18XB4	716	33300	101000
30	14.5	19700	0.85	102.0	BK90-../DSE18XB4	716	36600	107000

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

BK-series bevel geared motors

Selection - bevel geared motors DHE - IE2

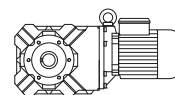
0.03 kW



P _N	50 Hz			i	Type	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
0.03	28.5	8.9	9.0	47.78	BK06-../D04LA4	7.6	1500	-
0.03	25	10.1	6.7	54.38	BK06-../D04LA4	7.6	1600	-
0.03	21.5	11.8	5.4	63.33	BK06-../D04LA4	7.6	1700	-
0.03	3.7	62	2.7	373.4	BK10Z-../D04LA4	21	7000	-
0.03	3.2	71	2.1	428.8	BK10Z-../D04LA4	21	7000	-
0.03	2.5	66	3.3	552.3	BK10G06-../D04LA4	25	7000	-
0.03	2.2	77	2.9	635.5	BK10G06-../D04LA4	25	7000	-
0.03	1.8	98	2.2	789.7	BK10G06-../D04LA4	25	7000	-
0.03	1.5	118	1.85	929.3	BK10G06-../D04LA4	25	7000	-
0.03	1.3	139	1.6	1112	BK10G06-../D04LA4	25	7000	-
0.03	1.0	184	1.2	1361	BK10G06-../D04LA4	25	7000	-
0.03	0.9	205	1.05	1577	BK10G06-../D04LA4	25	7000	-
0.03	0.7	220*	1.0	1971	BK10G06-../D04LA4	25	7000	-
0.03	0.6	220*	1.0	2261	BK10G06-../D04LA4	25	7000	-
0.03	0.55	220*	1.0	2467	BK10G06-../D04LA4	25	7000	-
0.03	0.48	220*	1.0	2849	BK10G06-../D04LA4	25	7000	-
0.03	0.44	220*	1.0	3107	BK10G06-../D04LA4	25	7000	-
0.03	0.39	220*	1.0	3537	BK10G06-../D04LA4	25	7000	-
0.03	0.33	220*	1.0	4120	BK10G06-../D04LA4	25	7000	-
0.03	1.6	110	3.3	891.2	BK20G06-../D04LA4	34	8700	9000
0.03	1.3	138	2.6	1066	BK20G06-../D04LA4	34	8700	9000
0.03	1.1	165	2.2	1305	BK20G06-../D04LA4	34	8700	9000
0.03	0.95	193	1.85	1424	BK20G06-../D04LA4	34	8700	9000
0.03	0.85	220	1.65	1650	BK20G06-../D04LA4	34	8700	9000
0.03	0.7	270	1.35	2062	BK20G06-../D04LA4	34	8700	9000
0.03	0.6	320	1.15	2366	BK20G06-../D04LA4	34	8700	9000
0.03	0.55	350	1.05	2580	BK20G06-../D04LA4	34	8700	9000
0.03	0.48	360*	1.0	2831	BK20G06-../D04LA4	34	8700	9000
0.03	0.44	360*	1.0	3088	BK20G06-../D04LA4	34	8700	9000
0.03	0.39	360*	1.0	3515	BK20G06-../D04LA4	34	8700	9000
0.03	0.33	360*	1.0	4094	BK20G06-../D04LA4	34	8700	9000
0.03	1.2	150	3.3	1142	BK30G06-../D04LA4	40	11200	12000
0.03	1.1	165	3.0	1281	BK30G06-../D04LA4	40	11200	12000
0.03	0.85	220	2.2	1620	BK30G06-../D04LA4	40	11200	12000
0.03	0.8	235	2.1	1767	BK30G06-../D04LA4	40	11200	12000
0.03	0.7	270	1.8	2024	BK30G06-../D04LA4	40	11200	12000
0.03	0.55	350	1.4	2533	BK30G06-../D04LA4	40	11200	12000
0.03	0.5	380	1.3	2738	BK30G06-../D04LA4	40	11200	12000
0.03	0.46	415	1.2	2986	BK30G06-../D04LA4	40	11200	12000
0.03	0.4	480	1.0	3399	BK30G06-../D04LA4	40	11200	12000
0.03	0.35	490*	1.0	3959	BK30G06-../D04LA4	40	11200	12000

8

0.04 kW



P _N	50 Hz			i	Type	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
0.04	41	8.3	9.6	33.33	BK06-../D04LA4	7.6	1320	-
0.04	35.5	9.6	8.3	38.18	BK06-../D04LA4	7.6	1380	-
0.04	28.5	11.9	6.7	47.78	BK06-../D04LA4	7.6	1500	-
0.04	25	13.5	5.0	54.38	BK06-../D04LA4	7.6	1600	-
0.04	21.5	15.8	4.0	63.33	BK06-../D04LA4	7.6	1700	-
0.04	4.5	68	2.7	302.4	BK10Z-../D04LA4	21	7000	-
0.04	3.7	83	2.0	373.4	BK10Z-../D04LA4	21	7000	-
0.04	3.2	95	1.55	428.8	BK10Z-../D04LA4	21	7000	-
0.04	3.0	78	2.8	459.2	BK10G06-../D04LA4	25	7000	-
0.04	2.7	88	2.5	501.4	BK10G06-../D04LA4	25	7000	-
0.04	2.5	96	2.3	552.3	BK10G06-../D04LA4	25	7000	-
0.04	2.2	112	1.95	635.5	BK10G06-../D04LA4	25	7000	-
0.04	1.8	140	1.55	789.7	BK10G06-../D04LA4	25	7000	-
0.04	1.5	167	1.3	929.3	BK10G06-../D04LA4	25	7000	-
0.04	1.3	195	1.15	1112	BK10G06-../D04LA4	25	7000	-

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

BK-series bevel geared motors

Selection - bevel geared motors DHE - IE2

0.04 kW

P _N	50 Hz			i	Type	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
0.04	1.0	255	0.86	1361	BK10G06-../D04LA4	25	7000	-
0.04	2.2	110	3.3	630.0	BK20G06-../D04LA4	34	8700	9000
0.04	1.8	138	2.6	757.0	BK20G06-../D04LA4	34	8700	9000
0.04	1.6	156	2.3	891.2	BK20G06-../D04LA4	34	8700	9000
0.04	1.3	195	1.85	1066	BK20G06-../D04LA4	34	8700	9000
0.04	1.1	230	1.55	1305	BK20G06-../D04LA4	34	8700	9000
0.04	0.95	270	1.35	1424	BK20G06-../D04LA4	34	8700	9000
0.04	0.85	305	1.2	1650	BK20G06-../D04LA4	34	8700	9000
0.04	1.7	147	3.3	810.9	BK30G06-../D04LA4	40	11200	12000
0.04	1.5	167	2.9	954.1	BK30G06-../D04LA4	40	11200	12000
0.04	1.2	210	2.3	1142	BK30G06-../D04LA4	40	11200	12000
0.04	1.1	230	2.1	1281	BK30G06-../D04LA4	40	11200	12000
0.04	0.85	305	1.6	1620	BK30G06-../D04LA4	40	11200	12000
0.04	0.8	325	1.5	1767	BK30G06-../D04LA4	40	11200	12000
0.04	0.7	375	1.3	2024	BK30G06-../D04LA4	40	11200	12000
0.04	0.55	480	1.0	2533	BK30G06-../D04LA4	40	11200	12000

0.06 kW

P _N	50 Hz			i	Type	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
0.06	63	8.1	9.9	21.54	BK06-../D04LA4	7.6	1150	-
0.06	52	9.9	8.1	26.36	BK06-../D04LA4	7.6	1230	-
0.06	41	12.5	6.4	33.33	BK06-../D04LA4	7.6	1320	-
0.06	35.5	14.5	5.5	38.18	BK06-../D04LA4	7.6	1380	-
0.06	28.5	17.8	4.5	47.78	BK06-../D04LA4	7.6	1500	-
0.06	25	20	3.4	54.38	BK06-../D04LA4	7.6	1600	-
0.06	21.5	23.5	2.7	63.33	BK06-../D04LA4	7.6	1700	-
0.06	11.5	42	3.3	120.3	BK10Z-../D06LA4	24	7000	-
0.06	9.5	50	3.3	143.2	BK10Z-../D06LA4	24	7000	-
0.06	6.6	71	2.8	204.7	BK10Z-../D06LA4	24	7000	-
0.06	5.3	88	2.3	257.9	BK10Z-../D06LA4	24	7000	-
0.06	4.5	103	1.8	302.4	BK10Z-../D06LA4	24	7000	-
0.06	3.7	125	1.3	373.4	BK10Z-../D06LA4	24	7000	-
0.06	3.2	143	1.05	428.8	BK10Z-../D06LA4	24	7000	-
0.06	3.0	129	1.7	459.2	BK10G06-../D06LA4	28	7000	-
0.06	2.7	144	1.55	501.4	BK10G06-../D06LA4	28	7000	-
0.06	2.5	157	1.4	552.3	BK10G06-../D06LA4	28	7000	-
0.06	2.2	180	1.2	635.5	BK10G06-../D06LA4	28	7000	-
0.06	1.8	220	1.0	789.7	BK10G06-../D06LA4	28	7000	-
0.06	1.5	265	0.83	929.3	BK10G06-../D06LA4	28	7000	-
0.06	4.6	100	3.1	298.2	BK20Z-../D06LA4	34	8700	9000
0.06	3.7	123	2.4	367.7	BK20Z-../D06LA4	34	8700	9000
0.06	3.2	120	3.0	429.7	BK20G06-../D06LA4	38	8700	9000
0.06	2.9	133	2.7	480.4	BK20G06-../D06LA4	38	8700	9000
0.06	2.6	149	2.4	524.5	BK20G06-../D06LA4	38	8700	9000
0.06	2.2	178	2.0	630.0	BK20G06-../D06LA4	38	8700	9000
0.06	1.8	220	1.65	757.0	BK20G06-../D06LA4	38	8700	9000
0.06	1.6	245	1.45	891.2	BK20G06-../D06LA4	38	8700	9000
0.06	1.3	305	1.2	1066	BK20G06-../D06LA4	38	8700	9000
0.06	1.1	360	1.0	1305	BK20G06-../D06LA4	38	8700	9000
0.06	3.6	128	3.1	380.7	BK30Z-../D06LA4	41	11200	12000
0.06	3.1	147	2.6	441.3	BK30Z-../D06LA4	41	11200	12000
0.06	2.4	163	3.0	567.0	BK30G06-../D06LA4	44	11200	12000
0.06	2.1	188	2.6	652.5	BK30G06-../D06LA4	44	11200	12000
0.06	1.9	210	2.3	743.0	BK30G06-../D06LA4	44	11200	12000
0.06	1.7	235	2.1	810.9	BK30G06-../D06LA4	44	11200	12000
0.06	1.5	265	1.85	954.1	BK30G06-../D06LA4	44	11200	12000
0.06	1.2	330	1.5	1142	BK30G06-../D06LA4	44	11200	12000
0.06	1.1	360	1.35	1281	BK30G06-../D06LA4	44	11200	12000

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

BK-series bevel geared motors

Selection - bevel geared motors DHE - IE2

0.06 kW

P _N	50 Hz			i	Type	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
0.06	0.85	475	1.05	1620	BK30G06-../D06LA4	44	11200	12000
0.06	1.2	290	2.9	1189	BK40G10-../D06LA4	68	11700	17000
0.06	0.95	380	2.2	1428	BK40G10-../D06LA4	68	11700	17000
0.06	0.8	465	1.85	1798	BK40G10-../D06LA4	68	11700	17000
0.06	0.65	580	1.45	2108	BK40G10-../D06LA4	68	11700	17000
0.06	0.6	640	1.35	2350	BK40G10-../D06LA4	68	11700	17000
0.06	0.55	700	1.2	2604	BK40G10-../D06LA4	68	11700	17000
0.06	1.0	370	3.1	1398	BK50G10-../D06LA4	96	14100	111000
0.06	0.9	415	2.8	1549	BK50G10-../D06LA4	96	14100	111000
0.06	0.75	510	2.3	1816	BK50G10-../D06LA4	96	14100	111000
0.06	0.7	550	2.1	2024	BK50G10-../D06LA4	96	14100	111000
0.06	0.6	630	1.85	2450	BK50G10-../D06LA4	96	14100	111000
0.06	0.5	760	1.5	2730	BK50G10-../D06LA4	96	14100	111000
0.06	0.45	850	1.35	3025	BK50G10-../D06LA4	96	14100	111000
0.06	0.39	960	1.2	3492	BK50G10-../D06LA4	96	14100	111000
0.06	0.35	1080	1.05	3870	BK50G10-../D06LA4	96	14100	111000
0.06	0.39	920	2.7	3533	BK60G20-../D06LA4	123	16600	34000
0.06	0.32	1240	2.0	4239	BK60G20-../D06LA4	123	16600	34000
0.06	0.27	1570	1.6	5072	BK60G20-../D06LA4	123	16600	34000
0.06	0.24	1830	1.35	5721	BK60G20-../D06LA4	123	16600	34000
0.06	0.21	2150	1.15	6565	BK60G20-../D06LA4	123	16600	34000
0.06	0.19	2450	1.0	7291	BK60G20-../D06LA4	123	16600	34000
0.06	0.21	2000	2.9	6504	BK70G20-../D06LA4	201	24100	50000
0.06	0.17	2650	2.2	8149	BK70G20-../D06LA4	201	24100	50000
0.06	0.15	3100	1.85	9351	BK70G20-../D06LA4	201	24100	50000

8

0.09 kW

P _N	50 Hz			i	Type	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
0.09	89	8.7	9.2	15.29	BK06-../D04LA4	7.6	1020	-
0.09	75	10.3	7.8	18.00	BK06-../D04LA4	7.6	1080	-
0.09	63	12.2	6.6	21.54	BK06-../D04LA4	7.6	1150	-
0.09	52	14.8	5.4	26.36	BK06-../D04LA4	7.6	1230	-
0.09	41	18.8	4.3	33.33	BK06-../D04LA4	7.6	1320	-
0.09	35.5	21.5	3.7	38.18	BK06-../D04LA4	7.6	1380	-
0.09	28.5	26.5	3.0	47.78	BK06-../D04LA4	7.6	1500	-
0.09	25	30.5	2.2	54.38	BK06-../D04LA4	7.6	1600	-
0.09	21.5	35.5	1.8	63.33	BK06-../D04LA4	7.6	1700	-
0.09	13.5	54	2.9	102.5	BK10-../D06LA4	23	7000	-
0.09	11.5	63	2.2	120.3	BK10Z-../D06LA4	24	7000	-
0.09	9.5	75	2.2	143.2	BK10Z-../D06LA4	24	7000	-
0.09	8.0	89	2.2	170.6	BK10Z-../D06LA4	24	7000	-
0.09	6.6	106	1.9	204.7	BK10Z-../D06LA4	24	7000	-
0.09	5.3	132	1.5	257.9	BK10Z-../D06LA4	24	7000	-
0.09	4.5	154	1.2	302.4	BK10Z-../D06LA4	24	7000	-
0.09	3.7	188	0.88	373.4	BK10Z-../D06LA4	24	7000	-
0.09	3.3	186	1.2	410.8	BK10G06-../D06LA4	28	7000	-
0.09	3.0	205	1.05	459.2	BK10G06-../D06LA4	28	7000	-
0.09	2.7	225	0.98	501.4	BK10G06-../D06LA4	28	7000	-
0.09	2.5	245	0.9	552.3	BK10G06-../D06LA4	28	7000	-
0.09	6.6	106	3.1	207.5	BK20Z-../D06LA4	34	8700	9000
0.09	5.2	135	2.4	259.9	BK20Z-../D06LA4	34	8700	9000
0.09	4.6	151	2.1	298.2	BK20Z-../D06LA4	34	8700	9000
0.09	3.7	185	1.6	367.7	BK20Z-../D06LA4	34	8700	9000
0.09	3.2	192	1.9	429.7	BK20G06-../D06LA4	38	8700	9000
0.09	2.9	210	1.7	480.4	BK20G06-../D06LA4	38	8700	9000
0.09	2.6	235	1.55	524.5	BK20G06-../D06LA4	38	8700	9000
0.09	2.2	280	1.3	630.0	BK20G06-../D06LA4	38	8700	9000

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

BK-series bevel geared motors

Selection - bevel geared motors DHE - IE2

0.09 kW

P _N	50 Hz			i	Type	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
0.09	1.8	345	1.05	757.0	BK20G06-../D06LA4	38	8700	9000
0.09	1.6	385	0.94	891.2	BK20G06-../D06LA4	38	8700	9000
0.09	4.4	160	2.4	308.3	BK30Z-../D06LA4	41	11200	12000
0.09	3.6	193	2.1	380.7	BK30Z-../D06LA4	41	11200	12000
0.09	3.1	220	1.75	441.3	BK30Z-../D06LA4	41	11200	12000
0.09	2.9	210	2.3	471.5	BK30G06-../D06LA4	44	11200	12000
0.09	2.4	255	1.9	567.0	BK30G06-../D06LA4	44	11200	12000
0.09	2.1	295	1.65	652.5	BK30G06-../D06LA4	44	11200	12000
0.09	1.9	325	1.5	743.0	BK30G06-../D06LA4	44	11200	12000
0.09	1.7	365	1.35	810.9	BK30G06-../D06LA4	44	11200	12000
0.09	1.5	410	1.2	954.1	BK30G06-../D06LA4	44	11200	12000
0.09	1.2	510	0.96	1142	BK30G06-../D06LA4	44	11200	12000
0.09	1.1	560	0.88	1281	BK30G06-../D06LA4	44	11200	12000
0.09	3.9	178	3.3	348.7	BK40Z-../D06LA4	64	11700	17000
0.09	3.2	210	2.7	430.0	BK40Z-../D06LA4	64	11700	17000
0.09	1.8	295	2.9	756.7	BK40G10-../D06LA4	68	11700	17000
0.09	1.7	320	2.7	838.4	BK40G10-../D06LA4	68	11700	17000
0.09	1.4	400	2.1	998.3	BK40G10-../D06LA4	68	11700	17000
0.09	1.2	475	1.8	1189	BK40G10-../D06LA4	68	11700	17000
0.09	0.95	610	1.4	1428	BK40G10-../D06LA4	68	11700	17000
0.09	0.8	730	1.15	1798	BK40G10-../D06LA4	68	11700	17000
0.09	1.6	350	3.3	859.8	BK50G10-../D06LA4	96	14100	111000
0.09	1.4	410	2.8	1024	BK50G10-../D06LA4	96	14100	111000
0.09	1.1	530	2.2	1230	BK50G10-../D06LA4	96	14100	111000
0.09	1.0	590	1.95	1398	BK50G10-../D06LA4	96	14100	111000
0.09	0.9	660	1.75	1549	BK50G10-../D06LA4	96	14100	111000
0.09	0.75	790	1.45	1816	BK50G10-../D06LA4	96	14100	111000
0.09	0.7	850	1.35	2024	BK50G10-../D06LA4	96	14100	111000
0.09	0.6	980	1.15	2450	BK50G10-../D06LA4	96	14100	111000
0.09	0.7	750	3.3	2010	BK60G20-../D06LA4	123	16600	34000
0.09	0.6	930	2.7	2371	BK60G20-../D06LA4	123	16600	34000
0.09	0.5	1180	2.1	2733	BK60G20-../D06LA4	123	16600	34000
0.09	0.45	1360	1.85	3036	BK60G20-../D06LA4	123	16600	34000
0.09	0.39	1650	1.5	3533	BK60G20-../D06LA4	123	16600	34000
0.09	0.32	2100	1.2	4239	BK60G20-../D06LA4	123	16600	34000
0.09	0.35	1750	3.3	3894	BK70G20-../D06LA4	201	24100	50000
0.09	0.3	2150	2.7	4531	BK70G20-../D06LA4	201	24100	50000
0.09	0.25	2700	2.1	5436	BK70G20-../D06LA4	201	24100	50000
0.09	0.21	3350	1.7	6504	BK70G20-../D06LA4	201	24100	50000
0.09	0.17	4350	1.3	8149	BK70G20-../D06LA4	201	24100	50000
0.09	0.15	5000	1.15	9351	BK70G20-../D06LA4	201	24100	50000

0.11 kW

P _N	50 Hz			i	Type	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
0.11	116	8.3	9.6	11.67	BK06-../D04LA4	7.6	930	-
0.11	89	10.7	7.5	15.29	BK06-../D04LA4	7.6	1020	-
0.11	75	12.6	6.3	18.00	BK06-../D04LA4	7.6	1080	-
0.11	63	15	5.3	21.54	BK06-../D04LA4	7.6	1150	-
0.11	52	18.1	4.4	26.36	BK06-../D04LA4	7.6	1230	-
0.11	41	23	3.5	33.33	BK06-../D04LA4	7.6	1320	-
0.11	35.5	26.5	3.0	38.18	BK06-../D04LA4	7.6	1380	-
0.11	28.5	32.5	2.5	47.78	BK06-../D04LA4	7.6	1500	-
0.11	25	37	1.85	54.38	BK06-../D04LA4	7.6	1600	-
0.11	21.5	43	1.5	63.33	BK06-../D04LA4	7.6	1700	-
0.11	11.5	77	1.8	120.3	BK10Z-../D04LA4	21	7000	-
0.11	9.5	92	1.75	143.2	BK10Z-../D04LA4	21	7000	-
0.11	8.0	108	1.85	170.6	BK10Z-../D04LA4	21	7000	-

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

BK-series bevel geared motors

Selection - bevel geared motors DHE - IE2

0.11 kW

P _N	50 Hz			i	Type	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
0.11	6.6	130	1.55	204.7	BK10Z-../D04LA4	21	7000	-
0.11	5.3	162	1.25	257.9	BK10Z-../D04LA4	21	7000	-
0.11	4.5	189	0.97	302.4	BK10Z-../D04LA4	21	7000	-
0.11	4.0	191	1.15	343.2	BK10G06-../D04LA4	25	7000	-
0.11	3.3	230	0.96	410.8	BK10G06-../D04LA4	25	7000	-
0.11	3.0	255	0.86	459.2	BK10G06-../D04LA4	25	7000	-
0.11	2.7	220*	1.0	501.4	BK10G06-../D04LA4	25	7000	-
0.11	2.5	220*	1.0	552.3	BK10G06-../D04LA4	25	7000	-
0.11	2.2	220*	1.0	635.5	BK10G06-../D04LA4	25	7000	-
0.11	1.8	220*	1.0	789.7	BK10G06-../D04LA4	25	7000	-
0.11	1.5	220*	1.0	929.3	BK10G06-../D04LA4	25	7000	-
0.11	1.3	220*	1.0	1112	BK10G06-../D04LA4	25	7000	-
0.11	1.0	220*	1.0	1361	BK10G06-../D04LA4	25	7000	-
0.11	0.9	220*	1.0	1577	BK10G06-../D04LA4	25	7000	-
0.11	0.7	220*	1.0	1971	BK10G06-../D04LA4	25	7000	-
0.11	0.6	220*	1.0	2261	BK10G06-../D04LA4	25	7000	-
0.11	0.55	220*	1.0	2467	BK10G06-../D04LA4	25	7000	-
0.11	0.48	220*	1.0	2849	BK10G06-../D04LA4	25	7000	-
0.11	0.44	220*	1.0	3107	BK10G06-../D04LA4	25	7000	-
0.11	0.39	220*	1.0	3537	BK10G06-../D04LA4	25	7000	-
0.11	0.33	220*	1.0	4120	BK10G06-../D04LA4	25	7000	-
0.11	7.8	111	3.0	173.4	BK20Z-../D04LA4	31	8700	9000
0.11	6.6	130	2.5	207.5	BK20Z-../D04LA4	31	8700	9000
0.11	5.2	165	2.0	259.9	BK20Z-../D04LA4	31	8700	9000
0.11	4.6	184	1.7	298.2	BK20Z-../D04LA4	31	8700	9000
0.11	3.7	225	1.3	367.7	BK20Z-../D04LA4	31	8700	9000
0.11	3.2	235	1.55	429.7	BK20G06-../D04LA4	34	8700	9000
0.11	2.9	260	1.4	480.4	BK20G06-../D04LA4	34	8700	9000
0.11	2.6	295	1.2	524.5	BK20G06-../D04LA4	34	8700	9000
0.11	2.2	345	1.05	630.0	BK20G06-../D04LA4	34	8700	9000
0.11	1.8	425	0.85	757.0	BK20G06-../D04LA4	34	8700	9000
0.11	1.6	360*	1.0	891.2	BK20G06-../D04LA4	34	8700	9000
0.11	1.3	360*	1.0	1066	BK20G06-../D04LA4	34	8700	9000
0.11	1.1	360*	1.0	1305	BK20G06-../D04LA4	34	8700	9000
0.11	0.95	360*	1.0	1424	BK20G06-../D04LA4	34	8700	9000
0.11	0.85	360*	1.0	1650	BK20G06-../D04LA4	34	8700	9000
0.11	0.7	360*	1.0	2062	BK20G06-../D04LA4	34	8700	9000
0.11	0.6	360*	1.0	2366	BK20G06-../D04LA4	34	8700	9000
0.11	0.55	360*	1.0	2580	BK20G06-../D04LA4	34	8700	9000
0.11	0.48	360*	1.0	2831	BK20G06-../D04LA4	34	8700	9000
0.11	0.44	360*	1.0	3088	BK20G06-../D04LA4	34	8700	9000
0.11	0.39	360*	1.0	3515	BK20G06-../D04LA4	34	8700	9000
0.11	0.33	360*	1.0	4094	BK20G06-../D04LA4	34	8700	9000
0.11	2.9	260	1.9	471.5	BK30G06-../D04LA4	40	11200	12000
0.11	2.4	320	1.55	567.0	BK30G06-../D04LA4	40	11200	12000
0.11	2.1	365	1.35	652.5	BK30G06-../D04LA4	40	11200	12000
0.11	1.9	405	1.2	743.0	BK30G06-../D04LA4	40	11200	12000
0.11	1.7	450	1.1	810.9	BK30G06-../D04LA4	40	11200	12000
0.11	1.5	510	0.96	954.1	BK30G06-../D04LA4	40	11200	12000
0.11	1.2	490*	1.0	1142	BK30G06-../D04LA4	40	11200	12000
0.11	1.1	490*	1.0	1281	BK30G06-../D04LA4	40	11200	12000
0.11	0.85	490*	1.0	1620	BK30G06-../D04LA4	40	11200	12000
0.11	0.8	490*	1.0	1767	BK30G06-../D04LA4	40	11200	12000
0.11	0.7	490*	1.0	2024	BK30G06-../D04LA4	40	11200	12000
0.11	0.55	490*	1.0	2533	BK30G06-../D04LA4	40	11200	12000
0.11	0.5	490*	1.0	2738	BK30G06-../D04LA4	40	11200	12000
0.11	0.46	490*	1.0	2986	BK30G06-../D04LA4	40	11200	12000
0.11	0.4	490*	1.0	3399	BK30G06-../D04LA4	40	11200	12000
0.11	0.35	490*	1.0	3959	BK30G06-../D04LA4	40	11200	12000

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

BK-series bevel geared motors

Selection - bevel geared motors DHE - IE2

0.12 kW

P _N	50 Hz			i	Type	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
0.12	120	8.7	9.2	11.67	BK06-../DHE05LA4	9.5	930	-
0.12	91	11.4	7.0	15.29	BK06-../DHE05LA4	9.5	1020	-
0.12	78	13.2	6.1	18.00	BK06-../DHE05LA4	9.5	1080	-
0.12	65	15.8	5.1	21.54	BK06-../DHE05LA4	9.5	1150	-
0.12	53	19.4	4.1	26.36	BK06-../DHE05LA4	9.5	1230	-
0.12	42	24.5	3.3	33.33	BK06-../DHE05LA4	9.5	1320	-
0.12	36.5	28	2.9	38.18	BK06-../DHE05LA4	9.5	1380	-
0.12	29.5	34.5	2.3	47.78	BK06-../DHE05LA4	9.5	1500	-
0.12	26	39	1.75	54.38	BK06-../DHE05LA4	9.5	1600	-
0.12	22	46	1.4	63.33	BK06-../DHE05LA4	9.5	1700	-
0.12	16	62	2.9	89.30	BK10-../DHE06LA4	23	7000	-
0.12	14	69	2.3	102.5	BK10-../DHE06LA4	23	7000	-
0.12	12	81	1.7	120.3	BK10Z-../DHE06LA4	24	7000	-
0.12	9.7	99	1.65	143.2	BK10Z-../DHE06LA4	24	7000	-
0.12	8.2	115	1.75	170.6	BK10Z-../DHE06LA4	24	7000	-
0.12	6.8	138	1.45	204.7	BK10Z-../DHE06LA4	24	7000	-
0.12	5.4	174	1.15	257.9	BK10Z-../DHE06LA4	24	7000	-
0.12	4.6	200	0.92	302.4	BK10Z-../DHE06LA4	24	7000	-
0.12	4.1	205	1.05	343.2	BK10G06-../DHE06LA4	28	7000	-
0.12	3.4	245	0.9	410.8	BK10G06-../DHE06LA4	28	7000	-
0.12	3.1	270	0.81	459.2	BK10G06-../DHE06LA4	28	7000	-
0.12	2.8	220*	1.0	501.4	BK10G06-../DHE06LA4	28	7000	-
0.12	2.6	220*	1.0	552.3	BK10G06-../DHE06LA4	28	7000	-
0.12	2.2	220*	1.0	635.5	BK10G06-../DHE06LA4	28	7000	-
0.12	1.8	220*	1.0	789.7	BK10G06-../DHE06LA4	28	7000	-
0.12	1.5	220*	1.0	929.3	BK10G06-../DHE06LA4	28	7000	-
0.12	1.3	220*	1.0	1112	BK10G06-../DHE06LA4	28	7000	-
0.12	1.1	220*	1.0	1361	BK10G06-../DHE06LA4	28	7000	-
0.12	0.9	220*	1.0	1577	BK10G06-../DHE06LA4	28	7000	-
0.12	0.75	220*	1.0	1971	BK10G06-../DHE06LA4	28	7000	-
0.12	0.65	220*	1.0	2261	BK10G06-../DHE06LA4	28	7000	-
0.12	0.6	220*	1.0	2467	BK10G06-../DHE06LA4	28	7000	-
0.12	0.49	220*	1.0	2849	BK10G06-../DHE06LA4	28	7000	-
0.12	0.45	220*	1.0	3107	BK10G06-../DHE06LA4	28	7000	-
0.12	0.4	220*	1.0	3537	BK10G06-../DHE06LA4	28	7000	-
0.12	0.34	220*	1.0	4120	BK10G06-../DHE06LA4	28	7000	-
0.12	9.6	100	3.3	144.5	BK20Z-../DHE06LA4	34	8700	9000
0.12	8.0	118	2.8	173.4	BK20Z-../DHE06LA4	34	8700	9000
0.12	6.7	140	2.4	207.5	BK20Z-../DHE06LA4	34	8700	9000
0.12	5.4	174	1.9	259.9	BK20Z-../DHE06LA4	34	8700	9000
0.12	4.7	197	1.6	298.2	BK20Z-../DHE06LA4	34	8700	9000
0.12	3.8	240	1.2	367.7	BK20Z-../DHE06LA4	34	8700	9000
0.12	3.3	255	1.4	429.7	BK20G06-../DHE06LA4	38	8700	9000
0.12	2.9	290	1.25	480.4	BK20G06-../DHE06LA4	38	8700	9000
0.12	2.7	310	1.15	524.5	BK20G06-../DHE06LA4	38	8700	9000
0.12	2.2	380	0.95	630.0	BK20G06-../DHE06LA4	38	8700	9000
0.12	1.9	445	0.81	757.0	BK20G06-../DHE06LA4	38	8700	9000
0.12	1.6	360*	1.0	891.2	BK20G06-../DHE06LA4	38	8700	9000
0.12	1.3	360*	1.0	1066	BK20G06-../DHE06LA4	38	8700	9000
0.12	1.1	360*	1.0	1305	BK20G06-../DHE06LA4	38	8700	9000
0.12	1.0	360*	1.0	1424	BK20G06-../DHE06LA4	38	8700	9000
0.12	0.85	360*	1.0	1650	BK20G06-../DHE06LA4	38	8700	9000
0.12	0.7	360*	1.0	2062	BK20G06-../DHE06LA4	38	8700	9000
0.12	0.6	360*	1.0	2366	BK20G06-../DHE06LA4	38	8700	9000
0.12	0.55	360*	1.0	2580	BK20G06-../DHE06LA4	38	8700	9000
0.12	0.49	360*	1.0	2831	BK20G06-../DHE06LA4	38	8700	9000
0.12	0.45	360*	1.0	3088	BK20G06-../DHE06LA4	38	8700	9000
0.12	0.4	360*	1.0	3515	BK20G06-../DHE06LA4	38	8700	9000
0.12	0.34	360*	1.0	4094	BK20G06-../DHE06LA4	38	8700	9000
0.12	6.4	146	3.1	216.5	BK30Z-../DHE06LA4	41	11200	12000
0.12	5.5	170	2.6	255.3	BK30Z-../DHE06LA4	41	11200	12000
0.12	4.5	205	1.9	308.3	BK30Z-../DHE06LA4	41	11200	12000
0.12	3.7	250	1.6	380.7	BK30Z-../DHE06LA4	41	11200	12000
0.12	3.2	285	1.35	441.3	BK30Z-../DHE06LA4	41	11200	12000
0.12	3.0	280	1.75	471.5	BK30G06-../DHE06LA4	44	11200	12000
0.12	2.5	335	1.45	567.0	BK30G06-../DHE06LA4	44	11200	12000
0.12	2.2	380	1.3	652.5	BK30G06-../DHE06LA4	44	11200	12000

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

BK-series bevel geared motors

Selection - bevel geared motors DHE - IE2

0.12 kW

P _N	50 Hz			i	Type	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
0.12	1.9	445	1.1	743.0	BK30G06-../DHE06LA4	44	11200	12000
0.12	1.8	470	1.05	810.9	BK30G06-../DHE06LA4	44	11200	12000
0.12	1.5	560	0.88	954.1	BK30G06-../DHE06LA4	44	11200	12000
0.12	1.3	490*	1.0	1142	BK30G06-../DHE06LA4	44	11200	12000
0.12	1.1	490*	1.0	1281	BK30G06-../DHE06LA4	44	11200	12000
0.12	0.9	490*	1.0	1620	BK30G06-../DHE06LA4	44	11200	12000
0.12	0.8	490*	1.0	1767	BK30G06-../DHE06LA4	44	11200	12000
0.12	0.7	490*	1.0	2024	BK30G06-../DHE06LA4	44	11200	12000
0.12	0.55	490*	1.0	2738	BK30G06-../DHE06LA4	44	11200	12000
0.12	0.47	490*	1.0	2986	BK30G06-../DHE06LA4	44	11200	12000
0.12	0.41	490*	1.0	3399	BK30G06-../DHE06LA4	44	11200	12000
0.12	0.35	490*	1.0	3959	BK30G06-../DHE06LA4	44	11200	12000
0.12	4.0	230	2.5	348.7	BK40Z-../DHE06LA4	64	11700	17000
0.12	3.3	275	2.1	430.0	BK40Z-../DHE06LA4	64	11700	17000
0.12	2.6	275	3.1	540.0	BK40G10-../DHE06LA4	68	11700	17000
0.12	2.1	350	2.4	660.2	BK40G10-../DHE06LA4	68	11700	17000
0.12	1.9	395	2.2	756.7	BK40G10-../DHE06LA4	68	11700	17000
0.12	1.7	450	1.9	838.4	BK40G10-../DHE06LA4	68	11700	17000
0.12	1.4	550	1.55	998.3	BK40G10-../DHE06LA4	68	11700	17000
0.12	1.2	650	1.3	1189	BK40G10-../DHE06LA4	68	11700	17000
0.12	1.0	790	1.1	1428	BK40G10-../DHE06LA4	68	11700	17000
0.12	0.8	850*	1.0	1798	BK40G10-../DHE06LA4	68	11700	17000
0.12	0.7	850*	1.0	2108	BK40G10-../DHE06LA4	68	11700	17000
0.12	0.6	850*	1.0	2350	BK40G10-../DHE06LA4	68	11700	17000
0.12	0.55	850*	1.0	2604	BK40G10-../DHE06LA4	68	11700	17000
0.12	0.46	850*	1.0	3077	BK40G10-../DHE06LA4	68	11700	17000
0.12	0.41	850*	1.0	3429	BK40G10-../DHE06LA4	68	11700	17000
0.12	0.37	850*	1.0	3800	BK40G10-../DHE06LA4	68	11700	17000
0.12	0.32	850*	1.0	4363	BK40G10-../DHE06LA4	68	11700	17000
0.12	3.4	265	3.2	414.8	BK50Z-../DHE06LA4	92	14100	26000
0.12	2.2	345	3.3	651.7	BK50G10-../DHE06LA4	96	14100	111000
0.12	2.0	385	3.0	722.2	BK50G10-../DHE06LA4	96	14100	111000
0.12	1.7	460	2.5	859.8	BK50G10-../DHE06LA4	96	14100	111000
0.12	1.4	560	2.1	1024	BK50G10-../DHE06LA4	96	14100	111000
0.12	1.2	670	1.7	1230	BK50G10-../DHE06LA4	96	14100	111000
0.12	1.0	800	1.45	1398	BK50G10-../DHE06LA4	96	14100	111000
0.12	0.9	890	1.3	1549	BK50G10-../DHE06LA4	96	14100	111000
0.12	0.8	1010	1.15	1816	BK50G10-../DHE06LA4	96	14100	111000
0.12	0.7	1150*	1.0	2024	BK50G10-../DHE06LA4	96	14100	111000
0.12	0.6	1150*	1.0	2450	BK50G10-../DHE06LA4	96	14100	111000
0.12	0.55	1150*	1.0	2730	BK50G10-../DHE06LA4	96	14100	111000
0.12	0.46	1150*	1.0	3025	BK50G10-../DHE06LA4	96	14100	111000
0.12	0.4	1150*	1.0	3492	BK50G10-../DHE06LA4	96	14100	111000
0.12	0.36	1150*	1.0	3870	BK50G10-../DHE06LA4	96	14100	111000
0.12	0.32	1150*	1.0	4443	BK50G10-../DHE06LA4	96	14100	111000
0.12	0.9	860	2.9	1618	BK60G20-../DHE06LA4	123	16600	34000
0.12	0.8	970	2.6	1810	BK60G20-../DHE06LA4	123	16600	34000
0.12	0.7	1160	2.2	2010	BK60G20-../DHE06LA4	123	16600	34000
0.12	0.6	1400	1.8	2371	BK60G20-../DHE06LA4	123	16600	34000
0.12	0.55	1540	1.6	2733	BK60G20-../DHE06LA4	123	16600	34000
0.12	0.46	1940	1.3	3036	BK60G20-../DHE06LA4	123	16600	34000
0.12	0.4	2300	1.1	3533	BK60G20-../DHE06LA4	123	16600	34000
0.12	0.33	2500*	1.0	4239	BK60G20-../DHE06LA4	123	16600	34000
0.12	0.28	2500*	1.0	5072	BK60G20-../DHE06LA4	123	16600	34000
0.12	0.25	2500*	1.0	5721	BK60G20-../DHE06LA4	123	16600	34000
0.12	0.22	2500*	1.0	6565	BK60G20-../DHE06LA4	123	16600	34000
0.12	0.19	2500*	1.0	7291	BK60G20-../DHE06LA4	123	16600	34000
0.12	0.18	2500*	1.0	8093	BK60G20-../DHE06LA4	123	16600	34000
0.12	0.16	2500*	1.0	8990	BK60G20-../DHE06LA4	123	16600	34000
0.12	0.46	1840	3.1	3041	BK70G20-../DHE06LA4	201	24100	50000
0.12	0.4	2150	2.7	3505	BK70G20-../DHE06LA4	201	24100	50000
0.12	0.36	2450	2.3	3894	BK70G20-../DHE06LA4	201	24100	50000
0.12	0.31	2950	1.95	4531	BK70G20-../DHE06LA4	201	24100	50000
0.12	0.26	3700	1.55	5436	BK70G20-../DHE06LA4	201	24100	50000
0.12	0.22	4500	1.25	6504	BK70G20-../DHE06LA4	201	24100	50000
0.12	0.17	5700*	1.0	8149	BK70G20-../DHE06LA4	201	24100	50000

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

BK-series bevel geared motors

Selection - bevel geared motors DHE - IE2

0.12 kW

P _N	50 Hz			i	Type	m		
n ₂	M ₂	f _B						
[kW]	[1/min]	[Nm]	[—]	[:1]		[kg]	[N]	[N]
0.12	0.15	5700*	1.0	9351	BK70G20-../DHE06LA4	201	24100	50000

0.18 kW

P _N	50 Hz			i	Type	m		
	n ₂	M ₂	f _B					
[kW]	[1/min]	[Nm]	[—]	[:1]		[kg]	[N]	[N]
0.18	142	11.1	7.2	9.71	BK06-../DHE05LA4	9.5	880	-
0.18	118	13.4	6.0	11.67	BK06-../DHE05LA4	9.5	930	-
0.18	90	17.3	4.6	15.29	BK06-../DHE05LA4	9.5	1020	-
0.18	77	20	4.0	18.00	BK06-../DHE05LA4	9.5	1080	-
0.18	64	24	3.3	21.54	BK06-../DHE05LA4	9.5	1150	-
0.18	53	29	2.8	26.36	BK06-../DHE05LA4	9.5	1230	-
0.18	41.5	37	2.2	33.33	BK06-../DHE05LA4	9.5	1320	-
0.18	36.5	42	1.9	38.18	BK06-../DHE05LA4	9.5	1380	-
0.18	29	52	1.55	47.78	BK06-../DHE05LA4	9.5	1500	-
0.18	25.5	59	1.15	54.38	BK06-../DHE05LA4	9.5	1600	-
0.18	22	69	0.92	63.33	BK06-../DHE05LA4	9.5	1700	-
0.18	22.5	67	3.0	61.68	BK10-../DHE06LA4	23	7000	-
0.18	19	79	2.5	72.31	BK10-../DHE06LA4	23	7000	-
0.18	15.5	96	1.85	89.30	BK10-../DHE06LA4	23	7000	-
0.18	13.5	108	1.45	102.5	BK10-../DHE06LA4	23	7000	-
0.18	11.5	127	1.1	120.3	BK10Z-../DHE06LA4	24	7000	-
0.18	9.6	150	1.1	143.2	BK10Z-../DHE06LA4	24	7000	-
0.18	8.1	176	1.15	170.6	BK10Z-../DHE06LA4	24	7000	-
0.18	6.7	210	0.95	204.7	BK10Z-../DHE06LA4	24	7000	-
0.18	13	113	2.8	108.6	BK20-../DHE06LA4	33	8700	9000
0.18	11.5	127	2.6	124.2	BK20Z-../DHE06LA4	34	8700	9000
0.18	9.5	151	2.2	144.5	BK20Z-../DHE06LA4	34	8700	9000
0.18	8.0	178	1.85	173.4	BK20Z-../DHE06LA4	34	8700	9000
0.18	6.7	210	1.55	207.5	BK20Z-../DHE06LA4	34	8700	9000
0.18	5.3	265	1.25	259.9	BK20Z-../DHE06LA4	34	8700	9000
0.18	4.6	300	1.05	298.2	BK20Z-../DHE06LA4	34	8700	9000
0.18	3.8	360	0.81	367.7	BK20Z-../DHE06LA4	34	8700	9000
0.18	3.2	405	0.89	429.7	BK20G06-../DHE06LA4	38	8700	9000
0.18	2.9	445	0.81	480.4	BK20G06-../DHE06LA4	38	8700	9000
0.18	9.5	151	3.0	145.1	BK30Z-../DHE06LA4	41	11200	12000
0.18	7.5	190	2.4	184.8	BK30Z-../DHE06LA4	41	11200	12000
0.18	6.4	220	2.0	216.5	BK30Z-../DHE06LA4	41	11200	12000
0.18	5.4	260	1.75	255.3	BK30Z-../DHE06LA4	41	11200	12000
0.18	4.5	310	1.25	308.3	BK30Z-../DHE06LA4	41	11200	12000
0.18	3.6	385	1.05	380.7	BK30Z-../DHE06LA4	41	11200	12000
0.18	3.2	425	0.9	441.3	BK30Z-../DHE06LA4	41	11200	12000
0.18	3.0	430	1.15	471.5	BK30G06-../DHE06LA4	44	11200	12000
0.18	2.5	510	0.96	567.0	BK30G06-../DHE06LA4	44	11200	12000
0.18	2.1	610	0.8	652.5	BK30G06-../DHE06LA4	44	11200	12000
0.18	5.6	245	3.2	246.6	BK40Z-../DHE06LA4	64	11700	17000
0.18	4.8	290	2.4	289.8	BK40Z-../DHE06LA4	64	11700	17000
0.18	4.0	345	1.7	348.7	BK40Z-../DHE06LA4	64	11700	17000
0.18	3.2	425	1.35	430.0	BK40Z-../DHE06LA4	64	11700	17000
0.18	2.9	405	2.1	487.3	BK40G10-../DHE06LA4	68	11700	17000
0.18	2.6	450	1.9	540.0	BK40G10-../DHE06LA4	68	11700	17000
0.18	2.1	560	1.5	660.2	BK40G10-../DHE06LA4	68	11700	17000
0.18	1.9	630	1.35	756.7	BK40G10-../DHE06LA4	68	11700	17000
0.18	1.7	710	1.2	838.4	BK40G10-../DHE06LA4	68	11700	17000
0.18	1.4	870	0.98	998.3	BK40G10-../DHE06LA4	68	11700	17000
0.18	1.2	1020	0.83	1189	BK40G10-../DHE06LA4	68	11700	17000
0.18	4.2	330	3.1	328.2	BK50Z-../DHE06LA4	92	14100	26000
0.18	3.4	400	2.1	414.8	BK50Z-../DHE06LA4	92	14100	26000
0.18	3.0	395	2.9	465.1	BK50G10-../DHE06LA4	96	14100	111000
0.18	2.7	440	2.6	513.4	BK50G10-../DHE06LA4	96	14100	111000

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

BK-series bevel geared motors

Selection - bevel geared motors DHE - IE2

0.18 kW

P _N	50 Hz			i	Type	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
0.18	2.5	480	2.4	568.6	BK50G10-../DHE06LA4	96	14100	111000
0.18	2.2	550	2.1	651.7	BK50G10-../DHE06LA4	96	14100	111000
0.18	1.9	640	1.8	722.2	BK50G10-../DHE06LA4	96	14100	111000
0.18	1.6	760	1.5	859.8	BK50G10-../DHE06LA4	96	14100	111000
0.18	1.4	880	1.3	1024	BK50G10-../DHE06LA4	96	14100	111000
0.18	1.2	1030	1.1	1230	BK50G10-../DHE06LA4	96	14100	111000
0.18	1.0	1240	0.93	1398	BK50G10-../DHE06LA4	96	14100	111000
0.18	1.4	920	2.7	1016	BK60G20-../DHE06LA4	123	16600	34000
0.18	1.1	1220	2.0	1322	BK60G20-../DHE06LA4	123	16600	34000
0.18	0.85	1610	1.55	1618	BK60G20-../DHE06LA4	123	16600	34000
0.18	0.8	1690	1.5	1810	BK60G20-../DHE06LA4	123	16600	34000
0.18	0.7	1980	1.25	2010	BK60G20-../DHE06LA4	123	16600	34000
0.18	0.6	2350	1.05	2371	BK60G20-../DHE06LA4	123	16600	34000
0.18	0.7	1940	2.9	2040	BK70G20-../DHE06LA4	201	24100	50000
0.18	0.55	2500	2.3	2578	BK70G20-../DHE06LA4	201	24100	50000
0.18	0.46	3050	1.85	3041	BK70G20-../DHE06LA4	201	24100	50000
0.18	0.4	3600	1.6	3505	BK70G20-../DHE06LA4	201	24100	50000
0.18	0.36	4050	1.4	3894	BK70G20-../DHE06LA4	201	24100	50000
0.18	0.31	4800	1.2	4531	BK70G20-../DHE06LA4	201	24100	50000

0.25 kW

P _N	50 Hz			i	Type	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
0.25	142	15.4	5.2	9.71	BK06-../DHE07LA4	14	880	-
0.25	118	18.6	4.3	11.67	BK06-../DHE07LA4	14	930	-
0.25	90	24	3.3	15.29	BK06-../DHE07LA4	14	1020	-
0.25	77	27.5	2.9	18.00	BK06-../DHE07LA4	14	1080	-
0.25	64	33.5	2.4	21.54	BK06-../DHE07LA4	14	1150	-
0.25	53	40.5	2.0	26.36	BK06-../DHE07LA4	14	1230	-
0.25	41.5	51	1.55	33.33	BK06-../DHE07LA4	14	1320	-
0.25	36.5	58	1.4	38.18	BK06-../DHE07LA4	14	1380	-
0.25	29	73	1.1	47.78	BK06-../DHE07LA4	14	1500	-
0.25	25.5	83	0.82	54.38	BK06-../DHE07LA4	14	1600	-
0.25	34	63	3.2	40.79	BK10-../DHE07LA4	26	6000	-
0.25	28.5	74	2.7	48.96	BK10-../DHE07LA4	26	6400	-
0.25	22.5	94	2.1	61.68	BK10-../DHE07LA4	26	7000	-
0.25	19.5	107	1.85	72.31	BK10-../DHE07LA4	26	7000	-
0.25	15.5	134	1.35	89.30	BK10-../DHE07LA4	26	7000	-
0.25	13.5	150	1.05	102.5	BK10-../DHE07LA4	26	7000	-
0.25	9.7	205	0.8	143.2	BK10Z-../DHE07LA4	27	7000	-
0.25	8.1	240	0.83	170.6	BK10Z-../DHE07LA4	27	7000	-
0.25	18	116	2.8	76.79	BK20-../DHE07LA4	35	7500	9000
0.25	16	129	2.6	88.12	BK20-../DHE07LA4	35	8000	9000
0.25	13	157	2.0	108.6	BK20-../DHE07LA4	35	8700	9000
0.25	11.5	176	1.9	124.2	BK20Z-../DHE07LA4	37	8700	9000
0.25	9.6	205	1.6	144.5	BK20Z-../DHE07LA4	37	8700	9000
0.25	8.0	245	1.35	173.4	BK20Z-../DHE07LA4	37	8700	9000
0.25	6.7	290	1.15	207.5	BK20Z-../DHE07LA4	37	8700	9000
0.25	5.3	365	0.9	259.9	BK20Z-../DHE07LA4	37	8700	9000
0.25	13.5	150	3.0	102.4	BK30-../DHE07LA4	41	11200	12000
0.25	11.5	176	2.6	123.9	BK30Z-../DHE07LA4	44	11200	12000
0.25	9.5	210	2.1	145.1	BK30Z-../DHE07LA4	44	11200	12000
0.25	7.5	260	1.75	184.8	BK30Z-../DHE07LA4	44	11200	12000
0.25	6.4	305	1.5	216.5	BK30Z-../DHE07LA4	44	11200	12000
0.25	5.4	360	1.25	255.3	BK30Z-../DHE07LA4	44	11200	12000
0.25	4.5	435	0.89	308.3	BK30Z-../DHE07LA4	44	11200	12000
0.25	3.0	610	0.8	471.5	BK30G06-../DHE07LA4	46	11200	12000
0.25	8.2	240	3.3	169.0	BK40Z-../DHE07LA4	66	11700	17000

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

BK-series bevel geared motors

Selection - bevel geared motors DHE - IE2

0.25 kW

P _N	50 Hz			i	Type	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
0.25	6.6	295	2.6	211.5	BK40Z-../DHE07LA4	66	11700	17000
0.25	5.6	345	2.3	246.6	BK40Z-../DHE07LA4	66	11700	17000
0.25	4.8	400	1.7	289.8	BK40Z-../DHE07LA4	66	11700	17000
0.25	4.0	480	1.2	348.7	BK40Z-../DHE07LA4	66	11700	17000
0.25	3.2	590	0.97	430.0	BK40Z-../DHE07LA4	66	11700	17000
0.25	2.9	580	1.45	487.3	BK40G10-../DHE07LA4	71	11700	17000
0.25	2.6	650	1.3	540.0	BK40G10-../DHE07LA4	71	11700	17000
0.25	2.1	810	1.05	660.2	BK40G10-../DHE07LA4	71	11700	17000
0.25	1.9	900	0.94	756.7	BK40G10-../DHE07LA4	71	11700	17000
0.25	1.7	1010	0.84	838.4	BK40G10-../DHE07LA4	71	11700	17000
0.25	5.2	370	2.8	264.5	BK50Z-../DHE07LA4	95	14100	26000
0.25	4.2	460	2.2	328.2	BK50Z-../DHE07LA4	95	14100	26000
0.25	3.4	560	1.5	414.8	BK50Z-../DHE07LA4	95	14100	26000
0.25	3.0	570	2.0	465.1	BK50G10-../DHE07LA4	99	14100	111000
0.25	2.7	630	1.85	513.4	BK50G10-../DHE07LA4	99	14100	111000
0.25	2.5	690	1.65	568.6	BK50G10-../DHE07LA4	99	14100	111000
0.25	2.2	780	1.45	651.7	BK50G10-../DHE07LA4	99	14100	111000
0.25	2.0	870	1.3	722.2	BK50G10-../DHE07LA4	99	14100	111000
0.25	1.6	1090	1.05	859.8	BK50G10-../DHE07LA4	99	14100	111000
0.25	1.4	1250	0.92	1024	BK50G10-../DHE07LA4	99	14100	111000
0.25	2.3	770	3.2	621.5	BK60G20-../DHE07LA4	125	16600	34000
0.25	1.9	940	2.7	752.1	BK60G20-../DHE07LA4	125	16600	34000
0.25	1.6	1150	2.2	887.8	BK60G20-../DHE07LA4	125	16600	34000
0.25	1.4	1400	1.8	1016	BK60G20-../DHE07LA4	125	16600	34000
0.25	1.1	1830	1.35	1322	BK60G20-../DHE07LA4	125	16600	34000
0.25	0.85	2350	1.05	1618	BK60G20-../DHE07LA4	125	16600	34000
0.25	1.1	1790	3.2	1280	BK70G20-../DHE07LA4	204	24100	50000
0.25	0.95	2050	2.8	1457	BK70G20-../DHE07LA4	204	24100	50000
0.25	0.85	2350	2.4	1696	BK70G20-../DHE07LA4	204	24100	50000
0.25	0.7	2850	2.0	2040	BK70G20-../DHE07LA4	204	24100	50000
0.25	0.55	3700	1.55	2578	BK70G20-../DHE07LA4	204	24100	50000
0.25	0.46	4500	1.25	3041	BK70G20-../DHE07LA4	204	24100	50000
0.25	0.4	5200	1.1	3505	BK70G20-../DHE07LA4	204	24100	50000

0.3 kW

P _N	50 Hz			i	Type	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
0.3	141	18.6	4.3	9.71	BK06-../DHE07LA4	14	880	-
0.3	117	22.5	3.6	11.67	BK06-../DHE07LA4	14	930	-
0.3	89	29	2.8	15.29	BK06-../DHE07LA4	14	1020	-
0.3	76	33.5	2.4	18.00	BK06-../DHE07LA4	14	1080	-
0.3	64	40	2.0	21.54	BK06-../DHE07LA4	14	1150	-
0.3	52	49.5	1.6	26.36	BK06-../DHE07LA4	14	1230	-
0.3	41	62	1.3	33.33	BK06-../DHE07LA4	14	1320	-
0.3	36	71	1.15	38.18	BK06-../DHE07LA4	14	1380	-
0.3	28.5	89	0.9	47.78	BK06-../DHE07LA4	14	1500	-
0.3	40	64	3.1	34.25	BK10-../DHE07LA4	26	5600	-
0.3	33.5	76	2.6	40.79	BK10-../DHE07LA4	26	6000	-
0.3	28	91	2.2	48.96	BK10-../DHE07LA4	26	6400	-
0.3	22.5	113	1.75	61.68	BK10-../DHE07LA4	26	7000	-
0.3	19	132	1.5	72.31	BK10-../DHE07LA4	26	7000	-
0.3	15.5	160	1.1	89.30	BK10-../DHE07LA4	26	7000	-
0.3	13.5	180	0.87	102.5	BK10-../DHE07LA4	26	7000	-
0.3	22.5	113	2.9	61.30	BK20-../DHE07LA4	35	6500	9000
0.3	18	140	2.4	76.79	BK20-../DHE07LA4	35	7500	9000
0.3	15.5	160	2.1	88.12	BK20-../DHE07LA4	35	8000	9000
0.3	13	189	1.65	108.6	BK20-../DHE07LA4	35	8700	9000
0.3	11	220	1.5	124.2	BK20Z-../DHE07LA4	37	8700	9000
0.3	9.5	250	1.3	144.5	BK20Z-../DHE07LA4	37	8700	9000

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

BK-series bevel geared motors

Selection - bevel geared motors DHE - IE2

0.3 kW

P _N	50 Hz			i	Type	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
0.3	7.9	300	1.1	173.4	BK20Z-../DHE07LA4	37	8700	9000
0.3	6.6	355	0.93	207.5	BK20Z-../DHE07LA4	37	8700	9000
0.3	15.5	158	2.8	88.38	BK30-../DHE07LA4	41	10600	12000
0.3	13.5	180	2.5	102.4	BK30-../DHE07LA4	41	11200	12000
0.3	11	220	2.0	123.9	BK30Z-../DHE07LA4	44	11200	12000
0.3	9.4	255	1.75	145.1	BK30Z-../DHE07LA4	44	11200	12000
0.3	7.4	320	1.4	184.8	BK30Z-../DHE07LA4	44	11200	12000
0.3	6.3	370	1.2	216.5	BK30Z-../DHE07LA4	44	11200	12000
0.3	5.4	435	1.05	255.3	BK30Z-../DHE07LA4	44	11200	12000
0.3	9.6	250	3.1	143.0	BK40Z-../DHE07LA4	66	11700	17000
0.3	8.1	290	2.7	169.0	BK40Z-../DHE07LA4	66	11700	17000
0.3	6.5	360	2.2	211.5	BK40Z-../DHE07LA4	66	11700	17000
0.3	5.6	410	1.9	246.6	BK40Z-../DHE07LA4	66	11700	17000
0.3	4.7	490	1.4	289.8	BK40Z-../DHE07LA4	66	11700	17000
0.3	4.0	580	1.0	348.7	BK40Z-../DHE07LA4	66	11700	17000
0.3	3.2	710	0.81	430.0	BK40Z-../DHE07LA4	66	11700	17000
0.3	2.8	740	1.15	487.3	BK40G10-../DHE07LA4	71	11700	17000
0.3	2.6	800	1.05	540.0	BK40G10-../DHE07LA4	71	11700	17000
0.3	2.1	990	0.86	660.2	BK40G10-../DHE07LA4	71	11700	17000
0.3	6.6	355	3.0	206.8	BK50Z-../DHE07LA4	95	14100	26000
0.3	5.2	445	2.4	264.5	BK50Z-../DHE07LA4	95	14100	26000
0.3	4.2	550	1.85	328.2	BK50Z-../DHE07LA4	95	14100	26000
0.3	3.3	690	1.2	414.8	BK50Z-../DHE07LA4	95	14100	26000
0.3	3.0	700	1.65	465.1	BK50G10-../DHE07LA4	99	14100	111000
0.3	2.7	770	1.5	513.4	BK50G10-../DHE07LA4	99	14100	111000
0.3	2.4	870	1.3	568.6	BK50G10-../DHE07LA4	99	14100	111000
0.3	2.1	1000	1.15	651.7	BK50G10-../DHE07LA4	99	14100	111000
0.3	1.9	1110	1.05	722.2	BK50G10-../DHE07LA4	99	14100	111000
0.3	1.6	1320	0.87	859.8	BK50G10-../DHE07LA4	99	14100	111000
0.3	2.2	1040	2.4	621.5	BK60G20-../DHE07LA4	125	16600	34000
0.3	1.9	1190	2.1	752.1	BK60G20-../DHE07LA4	125	16600	34000
0.3	1.6	1450	1.7	887.8	BK60G20-../DHE07LA4	125	16600	34000
0.3	1.4	1740	1.45	1016	BK60G20-../DHE07LA4	125	16600	34000
0.3	1.1	2250	1.1	1322	BK60G20-../DHE07LA4	125	16600	34000
0.3	1.2	1950	2.9	1139	BK70G20-../DHE07LA4	204	24100	50000
0.3	1.1	2200	2.6	1280	BK70G20-../DHE07LA4	204	24100	50000
0.3	0.95	2550	2.2	1457	BK70G20-../DHE07LA4	204	24100	50000
0.3	0.85	2900	1.95	1696	BK70G20-../DHE07LA4	204	24100	50000
0.3	0.7	3550	1.6	2040	BK70G20-../DHE07LA4	204	24100	50000
0.3	0.55	4600	1.25	2578	BK70G20-../DHE07LA4	204	24100	50000

0.37 kW

P _N	50 Hz			i	Type	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
0.37	198	16.4	4.5	7.25	BK06-../DHE08MA4	15	800	-
0.37	148	21.5	3.7	9.71	BK06-../DHE08MA4	15	880	-
0.37	123	26	3.1	11.67	BK06-../DHE08MA4	15	930	-
0.37	94	34	2.4	15.29	BK06-../DHE08MA4	15	1020	-
0.37	80	39.5	2.0	18.00	BK06-../DHE08MA4	15	1080	-
0.37	67	47	1.7	21.54	BK06-../DHE08MA4	15	1150	-
0.37	55	57	1.4	26.36	BK06-../DHE08MA4	15	1230	-
0.37	43	73	1.1	33.33	BK06-../DHE08MA4	15	1320	-
0.37	37.5	84	0.95	38.18	BK06-../DHE08MA4	15	1380	-
0.37	50	63	3.2	28.76	BK10-../DHE08MA4	27	5200	-
0.37	42	75	2.7	34.25	BK10-../DHE08MA4	27	5600	-
0.37	35.5	89	2.2	40.79	BK10-../DHE08MA4	27	6000	-
0.37	29.5	106	1.9	48.96	BK10-../DHE08MA4	27	6400	-
0.37	23.5	133	1.5	61.68	BK10-../DHE08MA4	27	7000	-

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

BK-series bevel geared motors

Selection - bevel geared motors DHE - IE2

0.37 kW

P _N	50 Hz			i	Type	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
0.37	20	155	1.3	72.31	BK10-../DHE08MA4	27	7000	-
0.37	16.5	186	0.96	89.30	BK10-../DHE08MA4	27	7000	-
0.37	28	112	2.9	51.22	BK20-../DHE08MA4	36	6300	9000
0.37	23.5	133	2.5	61.30	BK20-../DHE08MA4	36	6500	9000
0.37	19	163	2.0	76.79	BK20-../DHE08MA4	36	7500	9000
0.37	16.5	186	1.75	88.12	BK20-../DHE08MA4	36	8000	9000
0.37	13.5	225	1.4	108.6	BK20-../DHE08MA4	36	8700	9000
0.37	12	250	1.3	124.2	BK20Z-../DHE08MA4	38	8700	9000
0.37	9.9	295	1.1	144.5	BK20Z-../DHE08MA4	38	8700	9000
0.37	8.3	350	0.94	173.4	BK20Z-../DHE08MA4	38	8700	9000
0.37	6.9	415	0.8	207.5	BK20Z-../DHE08MA4	38	8700	9000
0.37	20	153	2.9	71.56	BK30-../DHE08MA4	42	9700	12000
0.37	16.5	184	2.4	88.38	BK30-../DHE08MA4	42	10600	12000
0.37	14	210	2.1	102.4	BK30-../DHE08MA4	42	11200	12000
0.37	12	250	1.8	123.9	BK30Z-../DHE08MA4	45	11200	12000
0.37	9.9	295	1.55	145.1	BK30Z-../DHE08MA4	45	11200	12000
0.37	7.8	375	1.2	184.8	BK30Z-../DHE08MA4	45	11200	12000
0.37	6.7	430	1.05	216.5	BK30Z-../DHE08MA4	45	11200	12000
0.37	5.7	500	0.9	255.3	BK30Z-../DHE08MA4	45	11200	12000
0.37	12.5	240	3.3	118.2	BK40Z-../DHE08MA4	67	11700	17000
0.37	10	295	2.6	143.0	BK40Z-../DHE08MA4	67	11700	17000
0.37	8.5	345	2.3	169.0	BK40Z-../DHE08MA4	67	11700	17000
0.37	6.8	425	1.85	211.5	BK40Z-../DHE08MA4	67	11700	17000
0.37	5.8	490	1.6	246.6	BK40Z-../DHE08MA4	67	11700	17000
0.37	5.0	570	1.2	289.8	BK40Z-../DHE08MA4	67	11700	17000
0.37	4.2	680	0.85	348.7	BK40Z-../DHE08MA4	67	11700	17000
0.37	3.0	870	0.98	487.3	BK40G10-../DHE08MA4	72	11700	17000
0.37	2.7	960	0.89	540.0	BK40G10-../DHE08MA4	72	11700	17000
0.37	7.0	410	2.6	206.8	BK50Z-../DHE08MA4	96	14100	26000
0.37	5.5	520	2.0	264.5	BK50Z-../DHE08MA4	96	14100	26000
0.37	4.4	650	1.55	328.2	BK50Z-../DHE08MA4	96	14100	26000
0.37	3.5	800	1.05	414.8	BK50Z-../DHE08MA4	96	14100	26000
0.37	3.1	840	1.35	465.1	BK50G10-../DHE08MA4	100	14100	111000
0.37	2.8	930	1.25	513.4	BK50G10-../DHE08MA4	100	14100	111000
0.37	2.6	1010	1.15	568.6	BK50G10-../DHE08MA4	100	14100	111000
0.37	2.2	1190	0.97	651.7	BK50G10-../DHE08MA4	100	14100	111000
0.37	2.0	1310	0.88	722.2	BK50G10-../DHE08MA4	100	14100	111000
0.37	4.6	760	3.0	317.7	BK60Z-../DHE08MA4	119	16600	34000
0.37	4.1	860	2.7	355.5	BK60Z-../DHE08MA4	119	16600	34000
0.37	3.5	1000	2.3	411.5	BK60Z-../DHE08MA4	119	16600	34000
0.37	3.2	1100	2.1	460.4	BK60Z-../DHE08MA4	119	16600	34000
0.37	2.9	1210	1.9	498.0	BK60Z-../DHE08MA4	119	16600	34000
0.37	2.6	1350	1.7	557.2	BK60Z-../DHE08MA4	119	16600	34000
0.37	2.4	1210	2.1	621.5	BK60G20-../DHE08MA4	126	16600	34000
0.37	2.0	1450	1.7	752.1	BK60G20-../DHE08MA4	126	16600	34000
0.37	1.7	1740	1.45	887.8	BK60G20-../DHE08MA4	126	16600	34000
0.37	1.5	2050	1.2	1016	BK60G20-../DHE08MA4	126	16600	34000
0.37	1.1	2850	0.88	1322	BK60G20-../DHE08MA4	126	16600	34000
0.37	2.0	1760	3.0	733.6	BK70Z-../DHE08MA4	207	24100	50000
0.37	1.7	1720	3.3	847.7	BK70G20-../DHE08MA4	205	24100	50000
0.37	1.5	1950	2.9	964.6	BK70G20-../DHE08MA4	205	24100	50000
0.37	1.3	2250	2.5	1139	BK70G20-../DHE08MA4	205	24100	50000
0.37	1.2	2550	2.2	1280	BK70G20-../DHE08MA4	205	24100	50000
0.37	1.0	3100	1.85	1457	BK70G20-../DHE08MA4	205	24100	50000
0.37	0.85	3700	1.55	1696	BK70G20-../DHE08MA4	205	24100	50000
0.37	0.75	4150	1.35	2040	BK70G20-../DHE08MA4	205	24100	50000
0.37	0.6	5200	1.1	2578	BK70G20-../DHE08MA4	205	24100	50000
0.37	0.65	4000	2.9	2205	BK80G40-../DHE08MA4	347	30000	75000
0.37	0.6	4400	2.6	2449	BK80G40-../DHE08MA4	347	30000	75000
0.37	0.55	4950	2.3	2811	BK80G40-../DHE08MA4	347	30000	75000
0.37	0.46	6200	1.85	3120	BK80G40-../DHE08MA4	347	30000	75000
0.37	0.38	7800	1.45	3776	BK80G40-../DHE08MA4	347	30000	75000
0.37	0.33	9200	1.25	4461	BK80G40-../DHE08MA4	347	30000	75000

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

BK-series bevel geared motors

Selection - bevel geared motors DHE - IE2

0.37 kW

P _N	n ₂	50 Hz	f _B	i	Type	m		
[kW]	[1/min]	M ₂ [Nm]	[—]	[:1]		[kg]	[N]	[N]
0.37	0.29	10700	1.05	5032	BK80G40-../DHE08MA4	347	30000	75000
0.37	0.39	6900	2.7	3672	BK90G50-../DHE08MA4	620	49400	120000
0.37	0.36	7700	2.4	4070	BK90G50-../DHE08MA4	620	49400	120000
0.37	0.29	10000	1.85	4952	BK90G50-../DHE08MA4	620	49400	120000
0.37	0.27	10900	1.7	5491	BK90G50-../DHE08MA4	620	49400	120000
0.37	0.23	13200	1.4	6335	BK90G50-../DHE08MA4	620	49400	120000
0.37	0.21	14700	1.25	7022	BK90G50-../DHE08MA4	620	49400	120000
0.37	0.19	16400	1.15	7862	BK90G50-../DHE08MA4	620	49400	120000

0.55 kW

P _N	n ₂	50 Hz	f _B	i	Type	m		
[kW]	[1/min]	M ₂ [Nm]	[—]	[:1]		[kg]	[N]	[N]
0.55	196	24.5	3.0	7.25	BK06-../DHE08LA4	16	800	-
0.55	146	33	2.4	9.71	BK06-../DHE08LA4	16	880	-
0.55	122	39.5	2.0	11.67	BK06-../DHE08LA4	16	930	-
0.55	93	51	1.55	15.29	BK06-../DHE08LA4	16	1020	-
0.55	79	59	1.35	18.00	BK06-../DHE08LA4	16	1080	-
0.55	66	71	1.15	21.54	BK06-../DHE08LA4	16	1150	-
0.55	54	87	0.92	26.36	BK06-../DHE08LA4	16	1230	-
0.55	119	40.5	2.8	11.93	BK10-../DHE08LA4	28	3100	-
0.55	84	56	2.4	16.92	BK10-../DHE08LA4	28	3700	-
0.55	77	61	3.3	18.52	BK10-../DHE08LA4	28	4300	-
0.55	63	75	2.7	22.65	BK10-../DHE08LA4	28	4650	-
0.55	49.5	95	2.1	28.76	BK10-../DHE08LA4	28	5200	-
0.55	41.5	113	1.75	34.25	BK10-../DHE08LA4	28	5600	-
0.55	35	135	1.5	40.79	BK10-../DHE08LA4	28	6000	-
0.55	29	161	1.25	48.96	BK10-../DHE08LA4	28	6400	-
0.55	23	200	1.0	61.68	BK10-../DHE08LA4	28	7000	-
0.55	20	230	0.87	72.31	BK10-../DHE08LA4	28	7000	-
0.55	39	121	2.7	36.69	BK20-../DHE08LA4	38	5400	9000
0.55	33.5	141	2.3	42.70	BK20-../DHE08LA4	38	5800	9000
0.55	28	166	2.0	51.22	BK20-../DHE08LA4	38	6300	9000
0.55	23.5	198	1.65	61.30	BK20-../DHE08LA4	38	6500	9000
0.55	18.5	245	1.35	76.79	BK20-../DHE08LA4	38	7500	9000
0.55	16.5	275	1.2	88.12	BK20-../DHE08LA4	38	8000	9000
0.55	13.5	330	0.95	108.6	BK20-../DHE08LA4	38	8700	9000
0.55	11.5	385	0.86	124.2	BK20Z-../DHE08LA4	40	8700	9000
0.55	33	141	3.2	42.89	BK30-../DHE08LA4	44	7800	12000
0.55	28.5	162	2.8	50.27	BK30-../DHE08LA4	44	8300	12000
0.55	24	192	2.3	59.27	BK30-../DHE08LA4	44	8900	12000
0.55	20	225	2.0	71.56	BK30-../DHE08LA4	44	9700	12000
0.55	16.5	270	1.65	88.38	BK30-../DHE08LA4	44	10600	12000
0.55	14	315	1.45	102.4	BK30-../DHE08LA4	44	11200	12000
0.55	11.5	385	1.15	123.9	BK30Z-../DHE08LA4	46	11200	12000
0.55	9.8	450	1.0	145.1	BK30Z-../DHE08LA4	46	11200	12000
0.55	7.7	560	0.8	184.8	BK30Z-../DHE08LA4	46	11200	12000
0.55	17	265	2.9	84.36	BK40-../DHE08LA4	64	10700	17000
0.55	14	315	2.5	104.0	BK40-../DHE08LA4	64	11700	17000
0.55	12	370	2.1	118.2	BK40Z-../DHE08LA4	69	11700	17000
0.55	9.9	445	1.75	143.0	BK40Z-../DHE08LA4	69	11700	17000
0.55	8.4	510	1.55	169.0	BK40Z-../DHE08LA4	69	11700	17000
0.55	6.7	640	1.2	211.5	BK40Z-../DHE08LA4	69	11700	17000
0.55	5.8	730	1.05	246.6	BK40Z-../DHE08LA4	69	11700	17000
0.55	4.9	860	0.8	289.8	BK40Z-../DHE08LA4	69	11700	17000
0.55	12.5	355	3.0	115.4	BK50Z-../DHE08LA4	98	14100	26000
0.55	9.3	465	2.3	153.3	BK50Z-../DHE08LA4	98	14100	26000
0.55	6.9	620	1.7	206.8	BK50Z-../DHE08LA4	98	14100	26000
0.55	5.4	780	1.35	264.5	BK50Z-../DHE08LA4	98	14100	26000

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

BK-series bevel geared motors

Selection - bevel geared motors DHE - IE2

0.55 kW

P _N	50 Hz			i	Type	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
0.55	4.4	960	1.05	328.2	BK50Z-../DHE08LA4	98	14100	26000
0.55	3.1	1290	0.89	465.1	BK50G10-../DHE08LA4	102	14100	111000
0.55	2.8	1420	0.81	513.4	BK50G10-../DHE08LA4	102	14100	111000
0.55	7.0	750	3.1	205.0	BK60Z-../DHE08LA4	120	16600	34000
0.55	6.0	870	2.6	239.7	BK60Z-../DHE08LA4	120	16600	34000
0.55	5.3	990	2.3	268.2	BK60Z-../DHE08LA4	120	16600	34000
0.55	4.5	1160	2.0	317.7	BK60Z-../DHE08LA4	120	16600	34000
0.55	4.0	1310	1.75	355.5	BK60Z-../DHE08LA4	120	16600	34000
0.55	3.5	1500	1.55	411.5	BK60Z-../DHE08LA4	120	16600	34000
0.55	3.1	1690	1.35	460.4	BK60Z-../DHE08LA4	120	16600	34000
0.55	2.9	1810	1.25	498.0	BK60Z-../DHE08LA4	120	16600	34000
0.55	2.6	2000	1.15	557.2	BK60Z-../DHE08LA4	120	16600	34000
0.55	2.3	2000	1.25	621.5	BK60G20-../DHE08LA4	128	16600	34000
0.55	1.9	2400	1.05	752.1	BK60G20-../DHE08LA4	128	16600	34000
0.55	1.6	2900	0.86	887.8	BK60G20-../DHE08LA4	128	16600	34000
0.55	3.3	1590	3.3	432.1	BK70Z-../DHE08LA4	208	24100	50000
0.55	2.9	1810	2.9	501.8	BK70Z-../DHE08LA4	208	24100	50000
0.55	2.5	2100	2.5	570.8	BK70Z-../DHE08LA4	208	24100	50000
0.55	2.2	2350	2.2	644.9	BK70Z-../DHE08LA4	208	24100	50000
0.55	2.0	2600	2.0	733.6	BK70Z-../DHE08LA4	208	24100	50000
0.55	1.7	2700	2.1	847.7	BK70G20-../DHE08LA4	206	24100	50000
0.55	1.5	3050	1.85	964.6	BK70G20-../DHE08LA4	206	24100	50000
0.55	1.3	3600	1.6	1139	BK70G20-../DHE08LA4	206	24100	50000
0.55	1.2	4000	1.45	1280	BK70G20-../DHE08LA4	206	24100	50000
0.55	1.0	4800	1.2	1457	BK70G20-../DHE08LA4	206	24100	50000
0.55	1.1	3750	3.1	1307	BK80G40-../DHE08LA4	348	30000	75000
0.55	1.0	4050	2.8	1425	BK80G40-../DHE08LA4	348	30000	75000
0.55	0.9	4600	2.5	1583	BK80G40-../DHE08LA4	348	30000	75000
0.55	0.8	5200	2.2	1775	BK80G40-../DHE08LA4	348	30000	75000
0.55	0.65	6600	1.75	2205	BK80G40-../DHE08LA4	348	30000	75000
0.55	0.6	7300	1.6	2449	BK80G40-../DHE08LA4	348	30000	75000
0.55	0.55	8000	1.45	2811	BK80G40-../DHE08LA4	348	30000	75000
0.55	0.46	9900	1.15	3120	BK80G40-../DHE08LA4	348	30000	75000
0.55	0.55	7400	2.5	2764	BK90G50-../DHE08LA4	621	49400	120000
0.55	0.47	9000	2.1	3065	BK90G50-../DHE08LA4	621	49400	120000
0.55	0.39	11300	1.65	3672	BK90G50-../DHE08LA4	621	49400	120000
0.55	0.35	12900	1.45	4070	BK90G50-../DHE08LA4	621	49400	120000
0.55	0.29	16000	1.15	4952	BK90G50-../DHE08LA4	621	49400	120000
0.55	0.26	18000	1.05	5491	BK90G50-../DHE08LA4	621	49400	120000

0.75 kW

P _N	50 Hz			i	Type	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
0.75	196	33.5	2.2	7.25	BK06-../DHE08XA4	18	800	-
0.75	147	44.5	1.8	9.71	BK06-../DHE08XA4	18	880	-
0.75	122	54	1.5	11.67	BK06-../DHE08XA4	18	930	-
0.75	93	70	1.15	15.29	BK06-../DHE08XA4	18	1020	-
0.75	79	81	0.99	18.00	BK06-../DHE08XA4	18	1080	-
0.75	66	97	0.82	21.54	BK06-../DHE08XA4	18	1150	-
0.75	185	35.5	3.2	7.68	BK10-../DHE08XA4	30	2400	-
0.75	152	43	2.7	9.40	BK10-../DHE08XA4	30	2700	-
0.75	120	54	2.1	11.93	BK10-../DHE08XA4	30	3100	-
0.75	98	65	3.1	14.50	BK10-../DHE08XA4	30	3900	-
0.75	84	76	1.8	16.92	BK10-../DHE08XA4	30	3700	-
0.75	77	83	2.4	18.52	BK10-../DHE08XA4	30	4300	-
0.75	63	102	1.95	22.65	BK10-../DHE08XA4	30	4650	-
0.75	49.5	130	1.55	28.76	BK10-../DHE08XA4	30	5200	-
0.75	41.5	155	1.3	34.25	BK10-../DHE08XA4	30	5600	-
0.75	35	184	1.1	40.79	BK10-../DHE08XA4	30	6000	-

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

BK-series bevel geared motors

Selection - bevel geared motors DHE - IE2

0.75 kW

P _N	50 Hz			i	Type	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
0.75	29.5	215	0.93	48.96	BK10-../DHE08XA4	30	6400	-
0.75	82	79	2.9	17.42	BK20-../DHE08XA4	39	3250	9000
0.75	59	109	3.0	24.29	BK20-../DHE08XA4	39	4500	9000
0.75	50	128	2.6	28.66	BK20-../DHE08XA4	39	4850	9000
0.75	39	165	2.0	36.69	BK20-../DHE08XA4	39	5400	9000
0.75	33.5	192	1.7	42.70	BK20-../DHE08XA4	39	5800	9000
0.75	28	225	1.45	51.22	BK20-../DHE08XA4	39	6300	9000
0.75	23.5	270	1.2	61.30	BK20-../DHE08XA4	39	6500	9000
0.75	18.5	340	0.97	76.79	BK20-../DHE08XA4	39	7500	9000
0.75	16.5	375	0.88	88.12	BK20-../DHE08XA4	39	8000	9000
0.75	42.5	151	3.0	33.70	BK30-../DHE08XA4	45	7000	12000
0.75	33.5	190	2.4	42.89	BK30-../DHE08XA4	45	7800	12000
0.75	28.5	220	2.0	50.27	BK30-../DHE08XA4	45	8300	12000
0.75	24	260	1.75	59.27	BK30-../DHE08XA4	45	8900	12000
0.75	20	310	1.45	71.56	BK30-../DHE08XA4	45	9700	12000
0.75	16.5	370	1.2	88.38	BK30-../DHE08XA4	45	10600	12000
0.75	14	430	1.05	102.4	BK30-../DHE08XA4	45	11200	12000
0.75	11.5	520	0.87	123.9	BK30Z-../DHE08XA4	48	11200	12000
0.75	24	260	3.0	59.66	BK40-../DHE08XA4	65	9100	17000
0.75	20.5	300	2.6	70.11	BK40-../DHE08XA4	65	9800	17000
0.75	17	365	2.1	84.36	BK40-../DHE08XA4	65	10700	17000
0.75	14	430	1.8	104.0	BK40-../DHE08XA4	65	11700	17000
0.75	12.5	485	1.6	118.2	BK40Z-../DHE08XA4	70	11700	17000
0.75	10	600	1.3	143.0	BK40Z-../DHE08XA4	70	11700	17000
0.75	8.5	690	1.15	169.0	BK40Z-../DHE08XA4	70	11700	17000
0.75	6.8	860	0.91	211.5	BK40Z-../DHE08XA4	70	11700	17000
0.75	19	325	3.2	75.40	BK50-../DHE08XA4	94	12600	26000
0.75	15	410	2.6	95.29	BK50-../DHE08XA4	94	14100	26000
0.75	12.5	485	2.2	115.4	BK50Z-../DHE08XA4	98	14100	26000
0.75	9.3	630	1.65	153.3	BK50Z-../DHE08XA4	98	14100	26000
0.75	6.9	850	1.25	206.8	BK50Z-../DHE08XA4	98	14100	26000
0.75	5.4	1070	0.98	264.5	BK50Z-../DHE08XA4	98	14100	26000
0.75	9.3	770	3.0	153.7	BK60Z-../DHE08XA4	121	16600	34000
0.75	7.8	910	2.5	183.2	BK60Z-../DHE08XA4	121	16600	34000
0.75	7.0	1020	2.3	205.0	BK60Z-../DHE08XA4	121	16600	34000
0.75	6.0	1190	1.95	239.7	BK60Z-../DHE08XA4	121	16600	34000
0.75	5.3	1350	1.7	268.2	BK60Z-../DHE08XA4	121	16600	34000
0.75	4.5	1590	1.45	317.7	BK60Z-../DHE08XA4	121	16600	34000
0.75	4.0	1790	1.3	355.5	BK60Z-../DHE08XA4	121	16600	34000
0.75	3.5	2000	1.15	411.5	BK60Z-../DHE08XA4	121	16600	34000
0.75	3.1	2300	1.0	460.4	BK60Z-../DHE08XA4	121	16600	34000
0.75	2.9	2450	0.94	498.0	BK60Z-../DHE08XA4	121	16600	34000
0.75	2.6	2750	0.84	557.2	BK60Z-../DHE08XA4	121	16600	34000
0.75	2.3	2850	0.88	621.5	BK60G20-../DHE08XA4	129	16600	34000
0.75	4.3	1660	3.1	333.6	BK70Z-../DHE08XA4	210	24100	50000
0.75	3.8	1880	2.8	379.9	BK70Z-../DHE08XA4	210	24100	50000
0.75	3.3	2150	2.4	432.1	BK70Z-../DHE08XA4	210	24100	50000
0.75	2.9	2450	2.1	501.8	BK70Z-../DHE08XA4	210	24100	50000
0.75	2.5	2850	1.8	570.8	BK70Z-../DHE08XA4	210	24100	50000
0.75	2.3	3100	1.7	644.9	BK70Z-../DHE08XA4	210	24100	50000
0.75	2.0	3550	1.45	733.6	BK70Z-../DHE08XA4	210	24100	50000
0.75	1.7	3850	1.5	847.7	BK70G20-../DHE08XA4	207	24100	50000
0.75	1.5	4350	1.3	964.6	BK70G20-../DHE08XA4	207	24100	50000
0.75	1.3	5000	1.15	1139	BK70G20-../DHE08XA4	207	24100	50000
0.75	1.2	5500	1.05	1280	BK70G20-../DHE08XA4	207	24100	50000
0.75	1.0	6700	0.85	1457	BK70G20-../DHE08XA4	207	24100	50000
0.75	1.5	3850	3.0	963.0	BK80G40-../DHE08XA4	349	30000	75000
0.75	1.4	4100	2.8	1079	BK80G40-../DHE08XA4	349	30000	75000
0.75	1.1	5400	2.1	1307	BK80G40-../DHE08XA4	349	30000	75000
0.75	1.0	5900	1.95	1425	BK80G40-../DHE08XA4	349	30000	75000
0.75	0.9	6700	1.7	1583	BK80G40-../DHE08XA4	349	30000	75000
0.75	0.8	7600	1.5	1775	BK80G40-../DHE08XA4	349	30000	75000
0.75	0.65	9600	1.2	2205	BK80G40-../DHE08XA4	349	30000	75000

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

BK-series bevel geared motors

Selection - bevel geared motors DHE - IE2

0.75 kW

P _N	n ₂	50 Hz	f _B	i	Type	m		
[kW]	[1/min]	M ₂ [Nm]	[—]	[:1]		[kg]	[N]	[N]
0.75	0.6	10400	1.1	2449	BK80G40-../DHE08XA4	349	30000	75000
0.75	0.9	6400	2.9	1579	BK90G50-../DHE08XA4	622	49400	120000
0.75	0.8	7200	2.6	1803	BK90G50-../DHE08XA4	622	49400	120000
0.75	0.75	7600	2.4	2016	BK90G50-../DHE08XA4	622	49400	120000
0.75	0.55	10900	1.7	2764	BK90G50-../DHE08XA4	622	49400	120000
0.75	0.47	13100	1.4	3065	BK90G50-../DHE08XA4	622	49400	120000
0.75	0.39	16200	1.15	3672	BK90G50-../DHE08XA4	622	49400	120000
0.75	0.35	18300	1.0	4070	BK90G50-../DHE08XA4	622	49400	120000

1.1 kW

P _N	n ₂	50 Hz	f _B	i	Type	m		
[kW]	[1/min]	M ₂ [Nm]	[—]	[:1]		[kg]	[N]	[N]
1.1	325	29.5	3.2	4.44	BK10-../DHE09LA4	36	1900	-
1.1	240	40	2.6	6.02	BK10-../DHE09LA4	36	2100	-
1.1	188	51	2.3	7.68	BK10-../DHE09LA4	36	2400	-
1.1	154	62	1.85	9.40	BK10-../DHE09LA4	36	2700	-
1.1	135	70	2.6	10.70	BK10-../DHE09LA4	36	3500	-
1.1	121	79	1.45	11.93	BK10-../DHE09LA4	36	3100	-
1.1	100	94	2.1	14.50	BK10-../DHE09LA4	36	3900	-
1.1	86	109	1.25	16.92	BK10-../DHE09LA4	36	3700	-
1.1	78	121	1.65	18.52	BK10-../DHE09LA4	36	4300	-
1.1	64	147	1.35	22.65	BK10-../DHE09LA4	36	4650	-
1.1	51	185	1.1	28.76	BK10-../DHE09LA4	36	5200	-
1.1	42.5	220	0.91	34.25	BK10-../DHE09LA4	36	5600	-
1.1	124	77	3.0	11.69	BK20-../DHE09LA4	46	2400	8800
1.1	83	115	2.0	17.42	BK20-../DHE09LA4	46	3250	9000
1.1	75	126	2.6	19.39	BK20-../DHE09LA4	46	4050	9000
1.1	60	157	2.1	24.29	BK20-../DHE09LA4	46	4500	9000
1.1	51	185	1.8	28.66	BK20-../DHE09LA4	46	4850	9000
1.1	39.5	235	1.4	36.69	BK20-../DHE09LA4	46	5400	9000
1.1	34	275	1.2	42.70	BK20-../DHE09LA4	46	5800	9000
1.1	28.5	325	1.0	51.22	BK20-../DHE09LA4	46	6300	9000
1.1	23.5	395	0.84	61.30	BK20-../DHE09LA4	46	6500	9000
1.1	70	136	2.4	20.85	BK30-../DHE09LA4	52	5000	12000
1.1	63	150	3.0	23.20	BK30-../DHE09LA4	52	5900	12000
1.1	51	185	2.4	28.76	BK30-../DHE09LA4	52	6500	12000
1.1	43	215	2.1	33.70	BK30-../DHE09LA4	52	7000	12000
1.1	34	270	1.65	42.89	BK30-../DHE09LA4	52	7800	12000
1.1	29	315	1.45	50.27	BK30-../DHE09LA4	52	8300	12000
1.1	24.5	375	1.2	59.27	BK30-../DHE09LA4	52	8900	12000
1.1	20.5	445	1.0	71.56	BK30-../DHE09LA4	52	9700	12000
1.1	16.5	540	0.83	88.38	BK30-../DHE09LA4	52	10600	12000
1.1	35.5	265	2.9	40.88	BK40-../DHE09LA4	72	7600	17000
1.1	28.5	320	2.4	51.18	BK40-../DHE09LA4	72	8400	17000
1.1	24.5	375	2.1	59.66	BK40-../DHE09LA4	72	9100	17000
1.1	21	435	1.8	70.11	BK40-../DHE09LA4	72	9800	17000
1.1	17.5	520	1.5	84.36	BK40-../DHE09LA4	72	10700	17000
1.1	14	630	1.25	104.0	BK40-../DHE09LA4	72	11700	17000
1.1	12.5	710	1.1	118.2	BK40Z-../DHE09LA4	76	11700	17000
1.1	10.5	840	0.93	143.0	BK40Z-../DHE09LA4	76	11700	17000
1.1	24	385	2.7	60.76	BK50-../DHE09LA4	100	11400	26000
1.1	19.5	465	2.3	75.40	BK50-../DHE09LA4	100	12600	26000
1.1	15.5	580	1.8	95.29	BK50-../DHE09LA4	100	14100	26000
1.1	12.5	710	1.5	115.4	BK50Z-../DHE09LA4	105	14100	26000
1.1	9.4	920	1.15	153.3	BK50Z-../DHE09LA4	105	14100	26000
1.1	7.0	1230	0.85	206.8	BK50Z-../DHE09LA4	105	14100	26000
1.1	14.5	720	3.2	101.2	BK60-../DHE09LA4	109	13900	34000
1.1	13	800	2.9	113.2	BK60-../DHE09LA4	109	15000	34000

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

BK-series bevel geared motors

Selection - bevel geared motors DHE - IE2

1.1 kW

P _N	50 Hz			i	Type	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
1.1	12	870	2.6	122.5	BK60-../DHE09LA4	109	15500	34000
1.1	11	950	2.4	137.0	BK60-../DHE09LA4	109	16600	34000
1.1	9.4	1110	2.1	153.7	BK60Z-../DHE09LA4	128	16600	34000
1.1	7.9	1320	1.75	183.2	BK60Z-../DHE09LA4	128	16600	34000
1.1	7.1	1470	1.55	205.0	BK60Z-../DHE09LA4	128	16600	34000
1.1	6.1	1720	1.35	239.7	BK60Z-../DHE09LA4	128	16600	34000
1.1	5.4	1940	1.2	268.2	BK60Z-../DHE09LA4	128	16600	34000
1.1	4.6	2250	1.0	317.7	BK60Z-../DHE09LA4	128	16600	34000
1.1	4.1	2550	0.9	355.5	BK60Z-../DHE09LA4	128	16600	34000
1.1	6.4	1640	3.2	226.2	BK70Z-../DHE09LA4	216	24100	50000
1.1	5.6	1870	2.8	257.3	BK70Z-../DHE09LA4	216	24100	50000
1.1	5.0	2100	2.5	293.3	BK70Z-../DHE09LA4	216	24100	50000
1.1	4.4	2350	2.2	333.6	BK70Z-../DHE09LA4	216	24100	50000
1.1	3.8	2750	1.9	379.9	BK70Z-../DHE09LA4	216	24100	50000
1.1	3.4	3050	1.7	432.1	BK70Z-../DHE09LA4	216	24100	50000
1.1	2.9	3600	1.45	501.8	BK70Z-../DHE09LA4	216	24100	50000
1.1	2.6	4000	1.3	570.8	BK70Z-../DHE09LA4	216	24100	50000
1.1	2.3	4550	1.15	644.9	BK70Z-../DHE09LA4	216	24100	50000
1.1	2.0	5200	1.0	733.6	BK70Z-../DHE09LA4	216	24100	50000
1.1	1.7	5800	0.98	847.7	BK70G20-../DHE09LA4	214	24100	50000
1.1	1.5	6500	0.88	964.6	BK70G20-../DHE09LA4	214	24100	50000
1.1	2.9	3600	3.2	499.5	BK80Z-../DHE09LA4	345	30000	75000
1.1	2.6	4000	2.9	559.5	BK80Z-../DHE09LA4	345	30000	75000
1.1	2.4	3600	3.2	607.8	BK80G40-../DHE09LA4	356	30000	75000
1.1	2.2	3900	2.9	680.9	BK80G40-../DHE09LA4	356	30000	75000
1.1	2.0	4400	2.6	756.3	BK80G40-../DHE09LA4	356	30000	75000
1.1	1.7	5200	2.2	847.2	BK80G40-../DHE09LA4	356	30000	75000
1.1	1.5	6100	1.9	963.0	BK80G40-../DHE09LA4	356	30000	75000
1.1	1.4	6400	1.8	1079	BK80G40-../DHE09LA4	356	30000	75000
1.1	1.2	7700	1.5	1307	BK80G40-../DHE09LA4	356	30000	75000
1.1	1.1	8300	1.4	1425	BK80G40-../DHE09LA4	356	30000	75000
1.1	0.95	9800	1.15	1583	BK80G40-../DHE09LA4	356	30000	75000
1.1	0.85	11000	1.05	1775	BK80G40-../DHE09LA4	356	30000	75000
1.1	1.5	5600	3.3	1008	BK90G50-../DHE09LA4	629	49400	120000
1.1	1.3	6500	2.8	1127	BK90G50-../DHE09LA4	629	49400	120000
1.1	1.1	8300	2.2	1363	BK90G50-../DHE09LA4	629	49400	120000
1.1	0.95	9500	1.95	1579	BK90G50-../DHE09LA4	629	49400	120000
1.1	0.8	11400	1.6	1803	BK90G50-../DHE09LA4	629	49400	120000
1.1	0.75	12000	1.55	2016	BK90G50-../DHE09LA4	629	49400	120000

1.5 kW

P _N	50 Hz			i	Type	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
1.5	325	40.5	2.3	4.44	BK10-../DHE09XA4	40	1900	-
1.5	240	54	1.95	6.02	BK10-../DHE09XA4	40	2100	-
1.5	188	70	1.65	7.68	BK10-../DHE09XA4	40	2400	-
1.5	154	85	1.35	9.40	BK10-../DHE09XA4	40	2700	-
1.5	135	95	1.9	10.70	BK10-../DHE09XA4	40	3500	-
1.5	121	108	1.05	11.93	BK10-../DHE09XA4	40	3100	-
1.5	100	128	1.55	14.50	BK10-../DHE09XA4	40	3900	-
1.5	86	149	0.91	16.92	BK10-../DHE09XA4	40	3700	-
1.5	78	165	1.2	18.52	BK10-../DHE09XA4	40	4300	-
1.5	64	200	1.0	22.65	BK10-../DHE09XA4	40	4650	-
1.5	51	250	0.8	28.76	BK10-../DHE09XA4	40	5200	-
1.5	183	72	3.2	7.91	BK20-../DHE09XA4	50	1330	7600
1.5	146	90	2.6	9.91	BK20-../DHE09XA4	50	1910	8300
1.5	130	99	3.0	11.14	BK20-../DHE09XA4	50	3300	8100
1.5	124	106	2.2	11.69	BK20-../DHE09XA4	50	2400	8800
1.5	98	131	2.5	14.75	BK20-../DHE09XA4	50	3650	9000
1.5	83	157	1.45	17.42	BK20-../DHE09XA4	50	3250	9000

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

BK-series bevel geared motors

Selection - bevel geared motors DHE - IE2

1.5 kW

P _N	50 Hz			i	Type	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
1.5	75	171	1.95	19.39	BK20-../DHE09XA4	50	4050	9000
1.5	60	210	1.55	24.29	BK20-../DHE09XA4	50	4500	9000
1.5	51	250	1.3	28.66	BK20-../DHE09XA4	50	4850	9000
1.5	39.5	325	1.0	36.69	BK20-../DHE09XA4	50	5400	9000
1.5	34	375	0.88	42.70	BK20-../DHE09XA4	50	5800	9000
1.5	121	108	3.0	11.93	BK30-../DHE09XA4	56	3650	12000
1.5	104	125	2.6	13.98	BK30-../DHE09XA4	56	4050	12000
1.5	81	159	2.8	17.95	BK30-../DHE09XA4	56	5300	12000
1.5	70	186	1.7	20.85	BK30-../DHE09XA4	56	5000	12000
1.5	63	200	2.3	23.20	BK30-../DHE09XA4	56	5900	12000
1.5	51	250	1.8	28.76	BK30-../DHE09XA4	56	6500	12000
1.5	43	295	1.55	33.70	BK30-../DHE09XA4	56	7000	12000
1.5	34	370	1.2	42.89	BK30-../DHE09XA4	56	7800	12000
1.5	29	430	1.05	50.27	BK30-../DHE09XA4	56	8300	12000
1.5	24.5	510	0.88	59.27	BK30-../DHE09XA4	56	8900	12000
1.5	51	250	3.1	28.59	BK40-../DHE09XA4	76	6300	17000
1.5	42	305	2.6	34.61	BK40-../DHE09XA4	76	6900	17000
1.5	35.5	360	2.2	40.88	BK40-../DHE09XA4	76	7600	17000
1.5	28.5	440	1.75	51.18	BK40-../DHE09XA4	76	8400	17000
1.5	24.5	510	1.55	59.66	BK40-../DHE09XA4	76	9100	17000
1.5	21	590	1.3	70.11	BK40-../DHE09XA4	76	9800	17000
1.5	17.5	710	1.1	84.36	BK40-../DHE09XA4	76	10700	17000
1.5	14	860	0.91	104.0	BK40-../DHE09XA4	76	11700	17000
1.5	12.5	970	0.8	118.2	BK40Z-../DHE09XA4	80	11700	17000
1.5	30.5	415	2.5	47.50	BK50-../DHE09XA4	104	10100	25700
1.5	24	520	2.0	60.76	BK50-../DHE09XA4	104	11400	26000
1.5	19.5	630	1.65	75.40	BK50-../DHE09XA4	104	12600	26000
1.5	15.5	790	1.35	95.29	BK50-../DHE09XA4	104	14100	26000
1.5	12.5	970	1.1	115.4	BK50Z-../DHE09XA4	109	14100	26000
1.5	9.4	1260	0.83	153.3	BK50Z-../DHE09XA4	109	14100	26000
1.5	18.5	770	3.0	78.13	BK60-../DHE09XA4	113	11900	34000
1.5	16.5	860	2.7	87.41	BK60-../DHE09XA4	113	12900	34000
1.5	14.5	980	2.3	101.2	BK60-../DHE09XA4	113	13900	34000
1.5	13	1100	2.1	113.2	BK60-../DHE09XA4	113	15000	34000
1.5	12	1190	1.95	122.5	BK60-../DHE09XA4	113	15500	34000
1.5	11	1300	1.75	137.0	BK60-../DHE09XA4	113	16600	34000
1.5	9.4	1520	1.5	153.7	BK60Z-../DHE09XA4	132	16600	34000
1.5	7.9	1810	1.25	183.2	BK60Z-../DHE09XA4	132	16600	34000
1.5	7.1	2000	1.15	205.0	BK60Z-../DHE09XA4	132	16600	34000
1.5	6.1	2300	1.0	239.7	BK60Z-../DHE09XA4	132	16600	34000
1.5	5.4	2650	0.87	268.2	BK60Z-../DHE09XA4	132	16600	34000
1.5	8.2	1740	3.0	175.7	BK70-../DHE09XA4	199	24100	50000
1.5	7.6	1880	2.8	190.4	BK70Z-../DHE09XA4	220	24100	50000
1.5	6.4	2200	2.4	226.2	BK70Z-../DHE09XA4	220	24100	50000
1.5	5.6	2550	2.0	257.3	BK70Z-../DHE09XA4	220	24100	50000
1.5	5.0	2850	1.8	293.3	BK70Z-../DHE09XA4	220	24100	50000
1.5	4.4	3250	1.6	333.6	BK70Z-../DHE09XA4	220	24100	50000
1.5	3.8	3750	1.4	379.9	BK70Z-../DHE09XA4	220	24100	50000
1.5	3.4	4200	1.25	432.1	BK70Z-../DHE09XA4	220	24100	50000
1.5	2.9	4900	1.05	501.8	BK70Z-../DHE09XA4	220	24100	50000
1.5	2.6	5500	0.95	570.8	BK70Z-../DHE09XA4	220	24100	50000
1.5	2.3	6200	0.84	644.9	BK70Z-../DHE09XA4	220	24100	50000
1.5	3.8	3750	3.1	389.0	BK80Z-../DHE09XA4	349	30000	75000
1.5	3.4	4200	2.7	435.7	BK80Z-../DHE09XA4	349	30000	75000
1.5	2.9	4900	2.3	499.5	BK80Z-../DHE09XA4	349	30000	75000
1.5	2.6	5500	2.1	559.5	BK80Z-../DHE09XA4	349	30000	75000
1.5	2.4	5200	2.2	607.8	BK80G40-../DHE09XA4	360	30000	75000
1.5	2.2	5600	2.1	680.9	BK80G40-../DHE09XA4	360	30000	75000
1.5	2.0	6300	1.85	756.3	BK80G40-../DHE09XA4	360	30000	75000
1.5	1.7	7500	1.55	847.2	BK80G40-../DHE09XA4	360	30000	75000
1.5	1.5	8600	1.35	963.0	BK80G40-../DHE09XA4	360	30000	75000
1.5	1.4	9200	1.25	1079	BK80G40-../DHE09XA4	360	30000	75000
1.5	1.2	10900	1.05	1307	BK80G40-../DHE09XA4	360	30000	75000
1.5	1.1	11800	0.97	1425	BK80G40-../DHE09XA4	360	30000	75000

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

BK-series bevel geared motors

Selection - bevel geared motors DHE - IE2

1.5 kW

P _N	n ₂	50 Hz	f _B	i	Type	m		
[kW]	[1/min]	M ₂ [Nm]	[—]	[:1]		[kg]	[N]	[N]
1.5	2.3	6200	3.0	637.7	BK90Z-../DHE09XA4	622	49400	120000
1.5	2.1	6800	2.7	713.5	BK90Z-../DHE09XA4	622	49400	120000
1.5	1.8	6600	2.8	821.0	BK90G50-../DHE09XA4	633	49400	120000
1.5	1.7	7200	2.6	882.3	BK90G50-../DHE09XA4	633	49400	120000
1.5	1.5	8200	2.3	1008	BK90G50-../DHE09XA4	633	49400	120000
1.5	1.3	9500	1.95	1127	BK90G50-../DHE09XA4	633	49400	120000
1.5	1.1	11800	1.55	1363	BK90G50-../DHE09XA4	633	49400	120000
1.5	0.95	13500	1.35	1579	BK90G50-../DHE09XA4	633	49400	120000
1.5	0.8	16100	1.15	1803	BK90G50-../DHE09XA4	633	49400	120000
1.5	0.75	17100	1.1	2016	BK90G50-../DHE09XA4	633	49400	120000

2.2 kW

P _N	n ₂	50 Hz	f _B	i	Type	m		
[kW]	[1/min]	M ₂ [Nm]	[—]	[:1]		[kg]	[N]	[N]
2.2	325	59	1.6	4.44	BK10-../DHE09XA4C	43	1900	-
2.2	240	80	1.3	6.02	BK10-../DHE09XA4C	43	2100	-
2.2	188	102	1.15	7.68	BK10-../DHE09XA4C	43	2400	-
2.2	154	125	0.92	9.40	BK10-../DHE09XA4C	43	2700	-
2.2	135	140	1.3	10.70	BK10-../DHE09XA4C	43	3500	-
2.2	100	189	1.05	14.50	BK10-../DHE09XA4C	43	3900	-
2.2	78	240	0.83	18.52	BK10-../DHE09XA4C	43	4300	-
2.2	320	60	3.3	4.54	BK20-../DHE09XA4C	52	520	6100
2.2	240	80	2.7	6.02	BK20-../DHE09XA4C	52	580	6800
2.2	183	105	2.2	7.91	BK20-../DHE09XA4C	52	1330	7600
2.2	146	132	1.75	9.91	BK20-../DHE09XA4C	52	1910	8300
2.2	130	145	2.1	11.14	BK20-../DHE09XA4C	52	3300	8100
2.2	124	155	1.5	11.69	BK20-../DHE09XA4C	52	2400	8800
2.2	98	192	1.7	14.75	BK20-../DHE09XA4C	52	3650	9000
2.2	83	230	1.0	17.42	BK20-../DHE09XA4C	52	3250	9000
2.2	75	250	1.3	19.39	BK20-../DHE09XA4C	52	4050	9000
2.2	60	315	1.05	24.29	BK20-../DHE09XA4C	52	4500	9000
2.2	51	370	0.89	28.66	BK20-../DHE09XA4C	52	4850	9000
2.2	305	63	3.1	4.73	BK30-../DHE09XA4C	58	1550	8800
2.2	240	80	2.7	6.02	BK30-../DHE09XA4C	58	1690	9600
2.2	194	99	2.7	7.45	BK30-../DHE09XA4C	58	2200	10400
2.2	150	128	2.5	9.63	BK30-../DHE09XA4C	58	3150	11500
2.2	127	148	2.8	11.39	BK30-../DHE09XA4C	58	4150	11000
2.2	121	159	2.0	11.93	BK30-../DHE09XA4C	58	3650	12000
2.2	104	183	1.75	13.98	BK30-../DHE09XA4C	58	4050	12000
2.2	100	189	2.4	14.50	BK30-../DHE09XA4C	58	4900	12000
2.2	81	230	1.95	17.95	BK30-../DHE09XA4C	58	5300	12000
2.2	70	270	1.2	20.85	BK30-../DHE09XA4C	58	5000	12000
2.2	63	300	1.5	23.20	BK30-../DHE09XA4C	58	5900	12000
2.2	51	370	1.2	28.76	BK30-../DHE09XA4C	58	6500	12000
2.2	43	435	1.05	33.70	BK30-../DHE09XA4C	58	7000	12000
2.2	34	540	0.83	42.89	BK30-../DHE09XA4C	58	7800	12000
2.2	122	158	3.1	11.86	BK40-../DHE09XA4C	79	1770	12200
2.2	80	235	3.3	18.05	BK40-../DHE09XA4C	79	4900	15300
2.2	65	290	2.7	22.44	BK40-../DHE09XA4C	79	5500	16500
2.2	51	370	2.1	28.59	BK40-../DHE09XA4C	79	6300	17000
2.2	42	450	1.75	34.61	BK40-../DHE09XA4C	79	6900	17000
2.2	35.5	530	1.45	40.88	BK40-../DHE09XA4C	79	7600	17000
2.2	28.5	640	1.2	51.18	BK40-../DHE09XA4C	79	8400	17000
2.2	24.5	750	1.05	59.66	BK40-../DHE09XA4C	79	9100	17000
2.2	21	870	0.9	70.11	BK40-../DHE09XA4C	79	9800	17000
2.2	81	235	3.1	17.92	BK50-../DHE09XA4C	107	4600	16800
2.2	55	340	3.1	26.51	BK50-../DHE09XA4C	107	7800	21200
2.2	41	460	2.3	35.21	BK50-../DHE09XA4C	107	8700	23100
2.2	30.5	610	1.7	47.50	BK50-../DHE09XA4C	107	10100	25700
2.2	24	770	1.35	60.76	BK50-../DHE09XA4C	107	11400	26000

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

BK-series bevel geared motors

Selection - bevel geared motors DHE - IE2

2.2 kW

P _N	50 Hz			i	Type	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
2.2	19.5	930	1.15	75.40	BK50-../DHE09XA4C	107	12600	26000
2.2	15.5	1160	0.91	95.29	BK50-../DHE09XA4C	107	14100	26000
2.2	29	720	3.2	50.40	BK60-../DHE09XA4C	115	9100	29800
2.2	24.5	850	2.7	58.95	BK60-../DHE09XA4C	115	9900	31500
2.2	22	950	2.4	65.95	BK60-../DHE09XA4C	115	10900	33000
2.2	18.5	1130	2.0	78.13	BK60-../DHE09XA4C	115	11900	34000
2.2	16.5	1270	1.8	87.41	BK60-../DHE09XA4C	115	12900	34000
2.2	14.5	1440	1.6	101.2	BK60-../DHE09XA4C	115	13900	34000
2.2	13	1610	1.45	113.2	BK60-../DHE09XA4C	115	15000	34000
2.2	12	1750	1.3	122.5	BK60-../DHE09XA4C	115	15500	34000
2.2	11	1910	1.2	137.0	BK60-../DHE09XA4C	115	16600	34000
2.2	9.4	2200	1.05	153.7	BK60Z-../DHE09XA4C	135	16600	34000
2.2	7.9	2650	0.87	183.2	BK60Z-../DHE09XA4C	135	16600	34000
2.2	12	1750	3.0	120.2	BK70-../DHE09XA4C	202	18600	50000
2.2	11	1910	2.7	136.7	BK70-../DHE09XA4C	202	20700	50000
2.2	9.4	2200	2.4	154.4	BK70-../DHE09XA4C	202	21900	50000
2.2	8.2	2550	2.0	175.7	BK70-../DHE09XA4C	202	24100	50000
2.2	7.6	2750	1.9	190.4	BK70Z-../DHE09XA4C	223	24100	50000
2.2	6.4	3250	1.6	226.2	BK70Z-../DHE09XA4C	223	24100	50000
2.2	5.6	3750	1.4	257.3	BK70Z-../DHE09XA4C	223	24100	50000
2.2	5.0	4200	1.25	293.3	BK70Z-../DHE09XA4C	223	24100	50000
2.2	4.4	4750	1.1	333.6	BK70Z-../DHE09XA4C	223	24100	50000
2.2	3.8	5500	0.95	379.9	BK70Z-../DHE09XA4C	223	24100	50000
2.2	3.4	6100	0.85	432.1	BK70Z-../DHE09XA4C	223	24100	50000
2.2	5.7	3650	3.2	253.3	BK80Z-../DHE09XA4C	351	30000	75000
2.2	4.8	4350	2.6	300.6	BK80Z-../DHE09XA4C	351	30000	75000
2.2	4.3	4850	2.4	336.7	BK80Z-../DHE09XA4C	351	30000	75000
2.2	3.8	5500	2.1	389.0	BK80Z-../DHE09XA4C	351	30000	75000
2.2	3.4	6100	1.9	435.7	BK80Z-../DHE09XA4C	351	30000	75000
2.2	2.9	7200	1.6	499.5	BK80Z-../DHE09XA4C	351	30000	75000
2.2	2.6	8000	1.45	559.5	BK80Z-../DHE09XA4C	351	30000	75000
2.2	2.4	8000	1.45	607.8	BK80G40-../DHE09XA4C	363	30000	75000
2.2	2.2	8700	1.3	680.9	BK80G40-../DHE09XA4C	363	30000	75000
2.2	2.0	9600	1.2	756.3	BK80G40-../DHE09XA4C	363	30000	75000
2.2	1.7	11400	1.0	847.2	BK80G40-../DHE09XA4C	363	30000	75000
2.2	1.5	13100	0.88	963.0	BK80G40-../DHE09XA4C	363	30000	75000
2.2	1.4	13900	0.83	1079	BK80G40-../DHE09XA4C	363	30000	75000
2.2	3.4	6100	3.0	435.3	BK90Z-../DHE09XA4C	624	49400	120000
2.2	2.9	7200	2.6	499.2	BK90Z-../DHE09XA4C	624	49400	120000
2.2	2.6	8000	2.3	558.5	BK90Z-../DHE09XA4C	624	49400	120000
2.2	2.3	9100	2.0	637.7	BK90Z-../DHE09XA4C	624	49400	120000
2.2	2.1	10000	1.85	713.5	BK90Z-../DHE09XA4C	624	49400	120000
2.2	1.8	10300	1.8	821.0	BK90G50-../DHE09XA4C	635	49400	120000
2.2	1.7	11100	1.65	882.3	BK90G50-../DHE09XA4C	635	49400	120000
2.2	1.5	12600	1.45	1008	BK90G50-../DHE09XA4C	635	49400	120000
2.2	1.3	14600	1.25	1127	BK90G50-../DHE09XA4C	635	49400	120000
2.2	1.1	17800	1.05	1363	BK90G50-../DHE09XA4C	635	49400	120000

3 kW

P _N	50 Hz			i	Type	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
3	305	86	2.3	4.73	BK30-../DHE11MA4	65	1550	8800
3	240	109	1.95	6.02	BK30-../DHE11MA4	65	1690	9600
3	194	135	2.0	7.45	BK30-../DHE11MA4	65	2200	10400
3	150	175	1.85	9.63	BK30-../DHE11MA4	65	3150	11500
3	127	200	2.1	11.39	BK30-../DHE11MA4	65	4150	11000
3	121	215	1.5	11.93	BK30-../DHE11MA4	65	3650	12000
3	104	250	1.3	13.98	BK30-../DHE11MA4	65	4050	12000
3	100	255	1.75	14.50	BK30-../DHE11MA4	65	4900	12000
3	81	315	1.45	17.95	BK30-../DHE11MA4	65	5300	12000

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

BK-series bevel geared motors

Selection - bevel geared motors DHE - IE2

3 kW

P _N	50 Hz			i	Type	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:]		[kg]	[N]	[N]
3	63	405	1.1	23.20	BK30-../DHE11MA4	65	5900	12000
3	51	500	0.9	28.76	BK30-../DHE11MA4	65	6500	12000
3	155	170	2.9	9.31	BK40-../DHE11MA4	90	1040	11200
3	122	215	2.3	11.86	BK40-../DHE11MA4	90	1770	12200
3	100	255	3.1	14.50	BK40-../DHE11MA4	90	4500	14300
3	80	320	2.4	18.05	BK40-../DHE11MA4	90	4900	15300
3	65	395	1.95	22.44	BK40-../DHE11MA4	90	5500	16500
3	51	500	1.55	28.59	BK40-../DHE11MA4	90	6300	17000
3	42	610	1.3	34.61	BK40-../DHE11MA4	90	6900	17000
3	35.5	720	1.1	40.88	BK40-../DHE11MA4	90	7600	17000
3	81	320	2.3	17.92	BK50-../DHE11MA4	120	4600	16800
3	75	340	3.1	19.33	BK50-../DHE11MA4	120	6900	19200
3	55	465	2.3	26.51	BK50-../DHE11MA4	120	7800	21200
3	41	620	1.7	35.21	BK50-../DHE11MA4	120	8700	23100
3	30.5	830	1.25	47.50	BK50-../DHE11MA4	120	10100	25700
3	24	1050	1.0	60.76	BK50-../DHE11MA4	120	11400	26000
3	19.5	1270	0.83	75.40	BK50-../DHE11MA4	120	12600	26000
3	38.5	740	3.1	37.80	BK60-../DHE11MA4	130	7300	26500
3	32	890	2.6	45.05	BK60-../DHE11MA4	130	8200	28300
3	29	980	2.3	50.40	BK60-../DHE11MA4	130	9100	29800
3	24.5	1160	2.0	58.95	BK60-../DHE11MA4	130	9900	31500
3	22	1300	1.75	65.95	BK60-../DHE11MA4	130	10900	33000
3	18.5	1540	1.5	78.13	BK60-../DHE11MA4	130	11900	34000
3	16.5	1730	1.35	87.41	BK60-../DHE11MA4	130	12900	34000
3	14.5	1970	1.15	101.2	BK60-../DHE11MA4	130	13900	34000
3	13	2200	1.05	113.2	BK60-../DHE11MA4	130	15000	34000
3	12	2350	0.98	122.5	BK60-../DHE11MA4	130	15500	34000
3	11	2600	0.88	137.0	BK60-../DHE11MA4	130	16600	34000
3	16	1790	2.9	90.96	BK70-../DHE11MA4	209	15300	49900
3	14	2000	2.6	103.5	BK70-../DHE11MA4	209	17200	50000
3	12	2350	2.2	120.2	BK70-../DHE11MA4	209	18600	50000
3	11	2600	2.0	136.7	BK70-../DHE11MA4	209	20700	50000
3	9.4	3000	1.75	154.4	BK70-../DHE11MA4	209	21900	50000
3	8.2	3450	1.5	175.7	BK70-../DHE11MA4	209	24100	50000
3	7.6	3750	1.4	190.4	BK70Z-../DHE11MA4	236	24100	50000
3	6.4	4450	1.15	226.2	BK70Z-../DHE11MA4	236	24100	50000
3	5.6	5100	1.0	257.3	BK70Z-../DHE11MA4	236	24100	50000
3	5.0	5700	0.91	293.3	BK70Z-../DHE11MA4	236	24100	50000
3	4.4	6500	0.8	333.6	BK70Z-../DHE11MA4	236	24100	50000
3	8.4	3400	3.1	171.5	BK80-../DHE11MA4	324	30000	75000
3	8.2	3450	3.3	177.6	BK80Z-../DHE11MA4	366	30000	75000
3	7.3	3900	2.9	198.9	BK80Z-../DHE11MA4	366	30000	75000
3	6.4	4450	2.6	226.1	BK80Z-../DHE11MA4	366	30000	75000
3	5.7	5000	2.3	253.3	BK80Z-../DHE11MA4	366	30000	75000
3	4.8	5900	1.95	300.6	BK80Z-../DHE11MA4	366	30000	75000
3	4.3	6600	1.75	336.7	BK80Z-../DHE11MA4	366	30000	75000
3	3.8	7500	1.55	389.0	BK80Z-../DHE11MA4	366	30000	75000
3	3.4	8400	1.35	435.7	BK80Z-../DHE11MA4	366	30000	75000
3	2.9	9800	1.15	499.5	BK80Z-../DHE11MA4	366	30000	75000
3	2.6	11000	1.05	559.5	BK80Z-../DHE11MA4	366	30000	75000
3	2.4	11100	1.05	607.8	BK80G40-../DHE11MA4	374	30000	75000
3	2.2	12100	0.95	680.9	BK80G40-../DHE11MA4	374	30000	75000
3	2.0	13500	0.85	756.3	BK80G40-../DHE11MA4	374	30000	75000
3	4.9	5800	3.2	295.6	BK90Z-../DHE11MA4	632	49400	120000
3	4.4	6500	2.8	330.7	BK90Z-../DHE11MA4	632	49400	120000
3	3.8	7500	2.5	389.1	BK90Z-../DHE11MA4	632	49400	120000
3	3.4	8400	2.2	435.3	BK90Z-../DHE11MA4	632	49400	120000
3	2.9	9800	1.9	499.2	BK90Z-../DHE11MA4	632	49400	120000
3	2.6	11000	1.7	558.5	BK90Z-../DHE11MA4	632	49400	120000
3	2.3	12400	1.5	637.7	BK90Z-../DHE11MA4	632	49400	120000
3	2.1	13600	1.35	713.5	BK90Z-../DHE11MA4	632	49400	120000
3	1.8	14500	1.3	821.0	BK90G50-../DHE11MA4	648	49400	120000
3	1.7	15600	1.2	882.3	BK90G50-../DHE11MA4	648	49400	120000
3	1.5	17700	1.05	1008	BK90G50-../DHE11MA4	648	49400	120000

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

BK-series bevel geared motors

Selection - bevel geared motors DHE - IE2

3 kW

P _N	n ₂	50 Hz	f _B	i	Type	m		
[kW]	[1/min]	M ₂ [Nm]	[—]	[:1]		[kg]	[N]	[N]
3	1.3	20500	0.9	1127	BK90G50-../DHE11MA4	648	49400	120000

4 kW

P _N	n ₂	50 Hz	f _B	i	Type	m		
[kW]	[1/min]	M ₂ [Nm]	[—]	[:1]		[kg]	[N]	[N]
4	305	115	1.7	4.73	BK30-../DHE11LA4	76	1550	8800
4	240	146	1.45	6.02	BK30-../DHE11LA4	76	1690	9600
4	194	181	1.5	7.45	BK30-../DHE11LA4	76	2200	10400
4	150	230	1.4	9.63	BK30-../DHE11LA4	76	3150	11500
4	127	270	1.55	11.39	BK30-../DHE11LA4	76	4150	11000
4	121	290	1.1	11.93	BK30-../DHE11LA4	76	3650	12000
4	104	330	0.97	13.98	BK30-../DHE11LA4	76	4050	12000
4	100	340	1.3	14.50	BK30-../DHE11LA4	76	4900	12000
4	81	420	1.05	17.95	BK30-../DHE11LA4	76	5300	12000
4	63	540	0.83	23.20	BK30-../DHE11LA4	76	5900	12000
4	240	146	3.2	6.02	BK40-../DHE11LA4	102	470	9800
4	193	182	2.7	7.49	BK40-../DHE11LA4	102	750	10500
4	155	225	2.2	9.31	BK40-../DHE11LA4	102	1040	11200
4	129	265	2.7	11.17	BK40-../DHE11LA4	102	4100	13100
4	122	285	1.75	11.86	BK40-../DHE11LA4	102	1770	12200
4	100	340	2.3	14.50	BK40-../DHE11LA4	102	4500	14300
4	80	425	1.85	18.05	BK40-../DHE11LA4	102	4900	15300
4	65	520	1.5	22.44	BK40-../DHE11LA4	102	5500	16500
4	51	670	1.15	28.59	BK40-../DHE11LA4	102	6300	17000
4	42	810	0.96	34.61	BK40-../DHE11LA4	102	6900	17000
4	35.5	960	0.81	40.88	BK40-../DHE11LA4	102	7600	17000
4	104	330	3.2	13.95	BK50-../DHE11LA4	132	6100	17400
4	95	360	2.9	15.19	BK50-../DHE11LA4	132	6300	18000
4	81	425	1.7	17.92	BK50-../DHE11LA4	132	4600	16800
4	75	455	2.3	19.33	BK50-../DHE11LA4	132	6900	19200
4	55	620	1.7	26.51	BK50-../DHE11LA4	132	7800	21200
4	41	830	1.25	35.21	BK50-../DHE11LA4	132	8700	23100
4	30.5	1110	0.95	47.50	BK50-../DHE11LA4	132	10100	25700
4	53	720	3.2	27.36	BK60-../DHE11LA4	142	5600	23200
4	43	880	2.6	33.78	BK60-../DHE11LA4	142	6500	25200
4	38.5	990	2.3	37.80	BK60-../DHE11LA4	142	7300	26500
4	32	1190	1.95	45.05	BK60-../DHE11LA4	142	8200	28300
4	29	1310	1.75	50.40	BK60-../DHE11LA4	142	9100	29800
4	24.5	1550	1.5	58.95	BK60-../DHE11LA4	142	9900	31500
4	22	1730	1.35	65.95	BK60-../DHE11LA4	142	10900	33000
4	18.5	2050	1.1	78.13	BK60-../DHE11LA4	142	11900	34000
4	16.5	2300	1.0	87.41	BK60-../DHE11LA4	142	12900	34000
4	14.5	2600	0.88	101.2	BK60-../DHE11LA4	142	13900	34000
4	23.5	1620	3.2	61.60	BK70-../DHE11LA4	221	11500	42800
4	21	1810	2.9	70.23	BK70-../DHE11LA4	221	12500	44800
4	18.5	2050	2.5	79.89	BK70-../DHE11LA4	221	14300	47600
4	16	2350	2.2	90.96	BK70-../DHE11LA4	221	15300	49900
4	14	2700	1.95	103.5	BK70-../DHE11LA4	221	17200	50000
4	12	3150	1.65	120.2	BK70-../DHE11LA4	221	18600	50000
4	11	3450	1.5	136.7	BK70-../DHE11LA4	221	20700	50000
4	9.4	4050	1.3	154.4	BK70-../DHE11LA4	221	21900	50000
4	8.2	4650	1.1	175.7	BK70-../DHE11LA4	221	24100	50000
4	7.6	5000	1.05	190.4	BK70Z-../DHE11LA4	247	24100	50000
4	6.4	5900	0.88	226.2	BK70Z-../DHE11LA4	247	24100	50000
4	11	3450	3.0	131.6	BK80-../DHE11LA4	336	24900	75000
4	9.5	4000	2.6	153.1	BK80-../DHE11LA4	336	27200	75000
4	8.4	4500	2.3	171.5	BK80-../DHE11LA4	336	30000	75000
4	8.2	4650	2.5	177.6	BK80Z-../DHE11LA4	378	30000	75000
4	7.3	5200	2.2	198.9	BK80Z-../DHE11LA4	378	30000	75000

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

BK-series bevel geared motors

Selection - bevel geared motors DHE - IE2

4 kW

P _N	n ₂	50 Hz	f _B	i	Type	m		
[kW]	[1/min]	M ₂ [Nm]	[—]	[:1]		[kg]	[N]	[N]
4	6.4	5900	1.95	226.1	BK80Z-../DHE11LA4	378	30000	75000
4	5.7	6700	1.7	253.3	BK80Z-../DHE11LA4	378	30000	75000
4	4.8	7900	1.45	300.6	BK80Z-../DHE11LA4	378	30000	75000
4	4.3	8800	1.3	336.7	BK80Z-../DHE11LA4	378	30000	75000
4	3.8	10000	1.15	389.0	BK80Z-../DHE11LA4	378	30000	75000
4	3.4	11200	1.05	435.7	BK80Z-../DHE11LA4	378	30000	75000
4	2.9	13100	0.88	499.5	BK80Z-../DHE11LA4	378	30000	75000
4	6.2	6100	3.0	234.6	BK90Z-../DHE11LA4	643	49400	120000
4	5.5	6900	2.7	262.5	BK90Z-../DHE11LA4	643	49400	120000
4	4.9	7700	2.4	295.6	BK90Z-../DHE11LA4	643	49400	120000
4	4.4	8600	2.2	330.7	BK90Z-../DHE11LA4	643	49400	120000
4	3.8	10000	1.85	389.1	BK90Z-../DHE11LA4	643	49400	120000
4	3.4	11200	1.65	435.3	BK90Z-../DHE11LA4	643	49400	120000
4	2.9	13100	1.4	499.2	BK90Z-../DHE11LA4	643	49400	120000
4	2.6	14600	1.25	558.5	BK90Z-../DHE11LA4	643	49400	120000
4	2.3	16600	1.1	637.7	BK90Z-../DHE11LA4	643	49400	120000
4	2.1	18100	1.0	713.5	BK90Z-../DHE11LA4	643	49400	120000
4	1.8	19800	0.93	821.0	BK90G50-../DHE11LA4	660	49400	120000
4	1.7	21200	0.87	882.3	BK90G50-../DHE11LA4	660	49400	120000

5.5 kW

P _N	n ₂	50 Hz	f _B	i	Type	m		
[kW]	[1/min]	M ₂ [Nm]	[—]	[:1]		[kg]	[N]	[N]
5.5	310	155	1.25	4.73	BK30-../DHE11LA4C	80	1550	8800
5.5	245	197	1.1	6.02	BK30-../DHE11LA4C	80	1690	9600
5.5	196	245	1.1	7.45	BK30-../DHE11LA4C	80	2200	10400
5.5	152	315	1.0	9.63	BK30-../DHE11LA4C	80	3150	11500
5.5	129	365	1.15	11.39	BK30-../DHE11LA4C	80	4150	11000
5.5	123	390	0.82	11.93	BK30-../DHE11LA4C	80	3650	12000
5.5	101	465	0.97	14.50	BK30-../DHE11LA4C	80	4900	12000
5.5	320	151	2.9	4.63	BK40-../DHE11LA4C	106	430	8900
5.5	245	197	2.4	6.02	BK40-../DHE11LA4C	106	470	9800
5.5	195	245	2.0	7.49	BK40-../DHE11LA4C	106	750	10500
5.5	157	305	1.6	9.31	BK40-../DHE11LA4C	106	1040	11200
5.5	131	360	2.0	11.17	BK40-../DHE11LA4C	106	4100	13100
5.5	124	385	1.3	11.86	BK40-../DHE11LA4C	106	1770	12200
5.5	101	465	1.7	14.50	BK40-../DHE11LA4C	106	4500	14300
5.5	81	580	1.35	18.05	BK40-../DHE11LA4C	106	4900	15300
5.5	66	710	1.1	22.44	BK40-../DHE11LA4C	106	5500	16500
5.5	52	900	0.87	28.59	BK40-../DHE11LA4C	106	6300	17000
5.5	151	310	3.0	9.73	BK50-../DHE11LA4C	136	5400	15400
5.5	146	330	2.5	10.00	BK50-../DHE11LA4C	136	1220	13200
5.5	105	450	2.3	13.95	BK50-../DHE11LA4C	136	6100	17400
5.5	97	485	2.2	15.19	BK50-../DHE11LA4C	136	6300	18000
5.5	82	580	1.25	17.92	BK50-../DHE11LA4C	136	4600	16800
5.5	76	620	1.7	19.33	BK50-../DHE11LA4C	136	6900	19200
5.5	56	840	1.25	26.51	BK50-../DHE11LA4C	136	7800	21200
5.5	41.5	1130	0.93	35.21	BK50-../DHE11LA4C	136	8700	23100
5.5	72	720	3.1	20.54	BK60-../DHE11LA4C	146	4400	20600
5.5	60	870	2.6	24.45	BK60-../DHE11LA4C	146	4850	22000
5.5	54	970	2.4	27.36	BK60-../DHE11LA4C	146	5600	23200
5.5	43.5	1200	1.9	33.78	BK60-../DHE11LA4C	146	6500	25200
5.5	39	1340	1.7	37.80	BK60-../DHE11LA4C	146	7300	26500
5.5	32.5	1610	1.45	45.05	BK60-../DHE11LA4C	146	8200	28300
5.5	29	1810	1.25	50.40	BK60-../DHE11LA4C	146	9100	29800
5.5	25	2100	1.1	58.95	BK60-../DHE11LA4C	146	9900	31500
5.5	22.5	2300	1.0	65.95	BK60-../DHE11LA4C	146	10900	33000
5.5	19	2750	0.84	78.13	BK60-../DHE11LA4C	146	11900	34000
5.5	32.5	1610	3.2	45.59	BK70-../DHE11LA4C	225	9000	37900

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

BK-series bevel geared motors

Selection - bevel geared motors DHE - IE2

5.5 kW

P _N	50 Hz			i	Type	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
5.5	27	1940	2.7	54.15	BK70-../DHE11LA4C	225	9900	40200
5.5	24	2150	2.4	61.60	BK70-../DHE11LA4C	225	11500	42800
5.5	21	2500	2.1	70.23	BK70-../DHE11LA4C	225	12500	44800
5.5	18.5	2800	1.85	79.89	BK70-../DHE11LA4C	225	14300	47600
5.5	16.5	3150	1.65	90.96	BK70-../DHE11LA4C	225	15300	49900
5.5	14.5	3600	1.45	103.5	BK70-../DHE11LA4C	225	17200	50000
5.5	12.5	4200	1.25	120.2	BK70-../DHE11LA4C	225	18600	50000
5.5	11	4750	1.1	136.7	BK70-../DHE11LA4C	225	20700	50000
5.5	9.5	5500	0.95	154.4	BK70-../DHE11LA4C	225	21900	50000
5.5	8.4	6200	0.84	175.7	BK70-../DHE11LA4C	225	24100	50000
5.5	16	3250	3.2	91.53	BK80-../DHE11LA4C	340	18300	74200
5.5	14.5	3600	2.9	102.5	BK80-../DHE11LA4C	340	20500	75000
5.5	12.5	4200	2.5	117.5	BK80-../DHE11LA4C	340	22300	75000
5.5	11.5	4550	2.3	131.6	BK80-../DHE11LA4C	340	24900	75000
5.5	9.6	5400	1.95	153.1	BK80-../DHE11LA4C	340	27200	75000
5.5	8.6	6100	1.7	171.5	BK80-../DHE11LA4C	340	30000	75000
5.5	8.3	6300	1.85	177.6	BK80Z-../DHE11LA4C	382	30000	75000
5.5	7.4	7000	1.65	198.9	BK80Z-../DHE11LA4C	382	30000	75000
5.5	6.5	8000	1.45	226.1	BK80Z-../DHE11LA4C	382	30000	75000
5.5	5.8	9000	1.3	253.3	BK80Z-../DHE11LA4C	382	30000	75000
5.5	4.9	10700	1.05	300.6	BK80Z-../DHE11LA4C	382	30000	75000
5.5	4.4	11900	0.97	336.7	BK80Z-../DHE11LA4C	382	30000	75000
5.5	3.8	13800	0.83	389.0	BK80Z-../DHE11LA4C	382	30000	75000
5.5	8.4	6200	3.0	174.7	BK90Z-../DHE11LA4C	647	49400	120000
5.5	7.5	7000	2.6	195.4	BK90Z-../DHE11LA4C	647	49400	120000
5.5	6.3	8300	2.2	234.6	BK90Z-../DHE11LA4C	647	49400	120000
5.5	5.6	9300	2.0	262.5	BK90Z-../DHE11LA4C	647	49400	120000
5.5	5.0	10500	1.75	295.6	BK90Z-../DHE11LA4C	647	49400	120000
5.5	4.5	11600	1.6	330.7	BK90Z-../DHE11LA4C	647	49400	120000
5.5	3.8	13800	1.35	389.1	BK90Z-../DHE11LA4C	647	49400	120000
5.5	3.4	15400	1.2	435.3	BK90Z-../DHE11LA4C	647	49400	120000
5.5	3.0	17500	1.05	499.2	BK90Z-../DHE11LA4C	647	49400	120000
5.5	2.7	19400	0.95	558.5	BK90Z-../DHE11LA4C	647	49400	120000
5.5	2.3	22800	0.81	637.7	BK90Z-../DHE11LA4C	647	49400	120000

7.5 kW

P _N	50 Hz			i	Type	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
7.5	400	164	4.4	3.67	BK50-../DHE13LA4	146	115	9400
7.5	280	235	3.5	5.26	BK50-../DHE13LA4	146	130	10700
7.5	205	320	2.5	7.29	BK50-../DHE13LA4	146	620	111000
7.5	151	425	2.2	9.73	BK50-../DHE13LA4	146	5400	15400
7.5	146	450	1.8	10.00	BK50-../DHE13LA4	146	1220	13200
7.5	105	610	1.7	13.95	BK50-../DHE13LA4	146	6100	17400
7.5	97	660	1.6	15.19	BK50-../DHE13LA4	146	6300	18000
7.5	82	790	0.92	17.92	BK50-../DHE13LA4	146	4600	16800
7.5	76	840	1.25	19.33	BK50-../DHE13LA4	146	6900	19200
7.5	56	1150	0.91	26.51	BK50-../DHE13LA4	146	7800	21200
7.5	135	530	3.2	10.82	BK60-../DHE13LA4	158	3200	17000
7.5	118	600	3.1	12.38	BK60-../DHE13LA4	158	3500	17400
7.5	106	670	2.9	13.85	BK60-../DHE13LA4	158	3850	18000
7.5	102	700	2.8	14.41	BK60-../DHE13LA4	158	3650	18600
7.5	91	780	2.5	16.05	BK60-../DHE13LA4	158	4050	18800
7.5	80	890	2.5	18.36	BK60-../DHE13LA4	158	4000	19900
7.5	72	990	2.3	20.54	BK60-../DHE13LA4	158	4400	20600
7.5	60	1190	1.95	24.45	BK60-../DHE13LA4	158	4850	22000
7.5	54	1320	1.75	27.36	BK60-../DHE13LA4	158	5600	23200
7.5	43.5	1640	1.4	33.78	BK60-../DHE13LA4	158	6500	25200
7.5	39	1830	1.25	37.80	BK60-../DHE13LA4	158	7300	26500
7.5	32.5	2200	1.05	45.05	BK60-../DHE13LA4	158	8200	28300
7.5	29	2450	0.94	50.40	BK60-../DHE13LA4	158	9100	29800

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

BK-series bevel geared motors

Selection - bevel geared motors DHE - IE2

7.5 kW

P _N	50 Hz			i	Type	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
7.5	25	2850	0.81	58.95	BK60-../DHE13LA4	158	9900	31500
7.5	47.5	1500	3.0	30.90	BK70-../DHE13LA4	237	7500	33600
7.5	42	1700	2.8	35.15	BK70-../DHE13LA4	237	8000	35000
7.5	36.5	1960	2.5	40.08	BK70-../DHE13LA4	237	8300	36300
7.5	32.5	2200	2.3	45.59	BK70-../DHE13LA4	237	9000	37900
7.5	27	2650	1.95	54.15	BK70-../DHE13LA4	237	9900	40200
7.5	24	2950	1.75	61.60	BK70-../DHE13LA4	237	11500	42800
7.5	21	3400	1.55	70.23	BK70-../DHE13LA4	237	12500	44800
7.5	18.5	3850	1.35	79.89	BK70-../DHE13LA4	237	14300	47600
7.5	16.5	4300	1.2	90.96	BK70-../DHE13LA4	237	15300	49900
7.5	14.5	4900	1.05	103.5	BK70-../DHE13LA4	237	17200	50000
7.5	12.5	5700	0.91	120.2	BK70-../DHE13LA4	237	18600	50000
7.5	11	6500	0.8	136.7	BK70-../DHE13LA4	237	20700	50000
7.5	24.5	2900	3.2	59.60	BK80-../DHE13LA4	351	15700	65500
7.5	21	3400	2.8	70.72	BK80-../DHE13LA4	351	16600	68700
7.5	18.5	3850	2.6	79.22	BK80-../DHE13LA4	351	17600	71300
7.5	16	4450	2.3	91.53	BK80-../DHE13LA4	351	18300	74200
7.5	14.5	4900	2.1	102.5	BK80-../DHE13LA4	351	20500	75000
7.5	12.5	5700	1.85	117.5	BK80-../DHE13LA4	351	22300	75000
7.5	11.5	6200	1.7	131.6	BK80-../DHE13LA4	351	24900	75000
7.5	9.6	7400	1.4	153.1	BK80-../DHE13LA4	351	27200	75000
7.5	8.6	8300	1.25	171.5	BK80-../DHE13LA4	351	30000	75000
7.5	8.3	8600	1.35	177.6	BK80Z-../DHE13LA4	394	30000	75000
7.5	7.4	9600	1.2	198.9	BK80Z-../DHE13LA4	394	30000	75000
7.5	6.5	11000	1.05	226.1	BK80Z-../DHE13LA4	394	30000	75000
7.5	5.8	12300	0.93	253.3	BK80Z-../DHE13LA4	394	30000	75000
7.5	12.5	5700	2.9	117.0	BK90-../DHE13LA4	603	39200	113000
7.5	11.5	6200	2.7	130.9	BK90-../DHE13LA4	603	42700	119400
7.5	9.8	7300	2.3	149.5	BK90-../DHE13LA4	603	45600	120000
7.5	8.8	8100	2.1	167.2	BK90-../DHE13LA4	603	49400	120000
7.5	8.4	8500	2.2	174.7	BK90Z-../DHE13LA4	659	49400	120000
7.5	7.5	9500	1.95	195.4	BK90Z-../DHE13LA4	659	49400	120000
7.5	6.3	11300	1.65	234.6	BK90Z-../DHE13LA4	659	49400	120000
7.5	5.6	12700	1.45	262.5	BK90Z-../DHE13LA4	659	49400	120000
7.5	5.0	14300	1.3	295.6	BK90Z-../DHE13LA4	659	49400	120000
7.5	4.5	15900	1.15	330.7	BK90Z-../DHE13LA4	659	49400	120000
7.5	3.8	18800	0.98	389.1	BK90Z-../DHE13LA4	659	49400	120000
7.5	3.4	21000	0.88	435.3	BK90Z-../DHE13LA4	659	49400	120000

9.5 kW

P _N	50 Hz			i	Type	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
9.5	405	205	3.5	3.67	BK50-../DHE16MB4	170	115	9400
9.5	280	295	2.8	5.26	BK50-../DHE16MB4	170	130	10700
9.5	205	405	2.0	7.29	BK50-../DHE16MB4	170	620	111000
9.5	152	530	1.75	9.73	BK50-../DHE16MB4	170	5400	15400
9.5	147	560	1.45	10.00	BK50-../DHE16MB4	170	1220	13200
9.5	106	770	1.35	13.95	BK50-../DHE16MB4	170	6100	17400
9.5	97	840	1.25	15.19	BK50-../DHE16MB4	170	6300	18000
9.5	77	1060	0.99	19.33	BK50-../DHE16MB4	170	6900	19200
9.5	205	440	3.3	7.29	BK60-../DHE16MB4	182	2800	14900
9.5	136	660	2.5	10.82	BK60-../DHE16MB4	182	3200	17000
9.5	119	760	2.5	12.38	BK60-../DHE16MB4	182	3500	17400
9.5	107	840	2.3	13.85	BK60-../DHE16MB4	182	3850	18000
9.5	103	880	2.2	14.41	BK60-../DHE16MB4	182	3650	18600
9.5	92	980	2.0	16.05	BK60-../DHE16MB4	182	4050	18800
9.5	81	1120	1.95	18.36	BK60-../DHE16MB4	182	4000	19900
9.5	72	1260	1.8	20.54	BK60-../DHE16MB4	182	4400	20600
9.5	61	1480	1.55	24.45	BK60-../DHE16MB4	182	4850	22000
9.5	54	1680	1.35	27.36	BK60-../DHE16MB4	182	5600	23200

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

BK-series bevel geared motors

Selection - bevel geared motors DHE - IE2

9.5 kW

P _N	50 Hz			i	Type	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
9.5	44	2050	1.1	33.78	BK60-../DHE16MB4	182	6500	25200
9.5	39	2300	1.0	37.80	BK60-../DHE16MB4	182	7300	26500
9.5	33	2700	0.85	45.05	BK60-../DHE16MB4	182	8200	28300
9.5	97	930	3.3	15.16	BK70-../DHE16MB4	265	5600	25800
9.5	86	1050	3.3	17.24	BK70-../DHE16MB4	265	6500	29200
9.5	68	1330	3.1	21.88	BK70-../DHE16MB4	265	6500	30200
9.5	60	1510	2.8	24.89	BK70-../DHE16MB4	265	7000	31500
9.5	48	1890	2.4	30.90	BK70-../DHE16MB4	265	7500	33600
9.5	42	2150	2.2	35.15	BK70-../DHE16MB4	265	8000	35000
9.5	37	2450	2.0	40.08	BK70-../DHE16MB4	265	8300	36300
9.5	32.5	2750	1.85	45.59	BK70-../DHE16MB4	265	9000	37900
9.5	27.5	3250	1.6	54.15	BK70-../DHE16MB4	265	9900	40200
9.5	24	3750	1.4	61.60	BK70-../DHE16MB4	265	11500	42800
9.5	21	4300	1.2	70.23	BK70-../DHE16MB4	265	12500	44800
9.5	18.5	4900	1.05	79.89	BK70-../DHE16MB4	265	14300	47600
9.5	16.5	5400	0.96	90.96	BK70-../DHE16MB4	265	15300	49900
9.5	14.5	6200	0.84	103.5	BK70-../DHE16MB4	265	17200	50000
9.5	35.5	2550	3.2	41.78	BK80-../DHE16MB4	374	13500	58700
9.5	31.5	2850	3.0	46.80	BK80-../DHE16MB4	374	14300	60900
9.5	28	3200	2.8	53.21	BK80-../DHE16MB4	374	14800	63100
9.5	25	3600	2.6	59.60	BK80-../DHE16MB4	374	15700	65500
9.5	21	4300	2.2	70.72	BK80-../DHE16MB4	374	16600	68700
9.5	19	4750	2.1	79.22	BK80-../DHE16MB4	374	17600	71300
9.5	16.5	5400	1.95	91.53	BK80-../DHE16MB4	374	18300	74200
9.5	14.5	6200	1.7	102.5	BK80-../DHE16MB4	374	20500	75000
9.5	13	6900	1.5	117.5	BK80-../DHE16MB4	374	22300	75000
9.5	11.5	7800	1.35	131.6	BK80-../DHE16MB4	374	24900	75000
9.5	9.7	9300	1.15	153.1	BK80-../DHE16MB4	374	27200	75000
9.5	8.6	10500	1.0	171.5	BK80-../DHE16MB4	374	30000	75000
9.5	8.3	10900	1.05	177.6	BK80Z-../DHE16MB4	418	30000	75000
9.5	7.4	12200	0.94	198.9	BK80Z-../DHE16MB4	418	30000	75000
9.5	6.6	13700	0.84	226.1	BK80Z-../DHE16MB4	418	30000	75000
9.5	16.5	5400	3.1	91.19	BK90-../DHE16MB4	628	33300	101000
9.5	14.5	6200	2.7	102.0	BK90-../DHE16MB4	628	36600	107000
9.5	13	6900	2.4	117.0	BK90-../DHE16MB4	628	39200	113000
9.5	11.5	7800	2.2	130.9	BK90-../DHE16MB4	628	42700	119400
9.5	9.9	9100	1.85	149.5	BK90-../DHE16MB4	628	45600	120000
9.5	8.8	10300	1.65	167.2	BK90-../DHE16MB4	628	49400	120000
9.5	8.5	10600	1.75	174.7	BK90Z-../DHE16MB4	687	49400	120000
9.5	7.6	11900	1.55	195.4	BK90Z-../DHE16MB4	687	49400	120000
9.5	6.3	14400	1.3	234.6	BK90Z-../DHE16MB4	687	49400	120000
9.5	5.6	16200	1.15	262.5	BK90Z-../DHE16MB4	687	49400	120000
9.5	5.0	18100	1.0	295.6	BK90Z-../DHE16MB4	687	49400	120000
9.5	4.5	20100	0.92	330.7	BK90Z-../DHE16MB4	687	49400	120000

11 kW

P _N	50 Hz			i	Type	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
11	405	235	3.1	3.67	BK50-../DHE16LB4	183	115	9400
11	280	345	2.4	5.26	BK50-../DHE16LB4	183	130	10700
11	205	470	1.75	7.29	BK50-../DHE16LB4	183	620	111000
11	152	620	1.5	9.73	BK50-../DHE16LB4	183	5400	15400
11	147	650	1.25	10.00	BK50-../DHE16LB4	183	1220	13200
11	106	890	1.2	13.95	BK50-../DHE16LB4	183	6100	17400
11	97	970	1.1	15.19	BK50-../DHE16LB4	183	6300	18000
11	77	1220	0.86	19.33	BK50-../DHE16LB4	183	6900	19200
11	205	510	2.9	7.29	BK60-../DHE16LB4	195	2800	14900
11	136	770	2.2	10.82	BK60-../DHE16LB4	195	3200	17000
11	119	880	2.1	12.38	BK60-../DHE16LB4	195	3500	17400
11	107	980	2.0	13.85	BK60-../DHE16LB4	195	3850	18000

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

BK-series bevel geared motors

Selection - bevel geared motors DHE - IE2

11 kW

P _N	50 Hz			i	Type	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
11	103	1010	1.9	14.41	BK60-../DHE16LB4	195	3650	18600
11	92	1140	1.75	16.05	BK60-../DHE16LB4	195	4050	18800
11	81	1290	1.7	18.36	BK60-../DHE16LB4	195	4000	19900
11	72	1450	1.55	20.54	BK60-../DHE16LB4	195	4400	20600
11	61	1720	1.35	24.45	BK60-../DHE16LB4	195	4850	22000
11	54	1940	1.2	27.36	BK60-../DHE16LB4	195	5600	23200
11	44	2350	0.98	33.78	BK60-../DHE16LB4	195	6500	25200
11	39	2650	0.87	37.80	BK60-../DHE16LB4	195	7300	26500
11	108	970	3.1	13.70	BK70-../DHE16LB4	278	5400	24800
11	97	1080	2.8	15.16	BK70-../DHE16LB4	278	5600	25800
11	86	1220	2.9	17.24	BK70-../DHE16LB4	278	6500	29200
11	68	1540	2.6	21.88	BK70-../DHE16LB4	278	6500	30200
11	60	1750	2.4	24.89	BK70-../DHE16LB4	278	7000	31500
11	48	2150	2.1	30.90	BK70-../DHE16LB4	278	7500	33600
11	42	2500	1.9	35.15	BK70-../DHE16LB4	278	8000	35000
11	37	2800	1.75	40.08	BK70-../DHE16LB4	278	8300	36300
11	32.5	3200	1.6	45.59	BK70-../DHE16LB4	278	9000	37900
11	27.5	3800	1.35	54.15	BK70-../DHE16LB4	278	9900	40200
11	24	4350	1.2	61.60	BK70-../DHE16LB4	278	11500	42800
11	21	5000	1.05	70.23	BK70-../DHE16LB4	278	12500	44800
11	18.5	5600	0.93	79.89	BK70-../DHE16LB4	278	14300	47600
11	16.5	6300	0.83	90.96	BK70-../DHE16LB4	278	15300	49900
11	43	2400	3.3	34.22	BK80-../DHE16LB4	388	12600	55400
11	35.5	2950	2.8	41.78	BK80-../DHE16LB4	388	13500	58700
11	31.5	3300	2.6	46.80	BK80-../DHE16LB4	388	14300	60900
11	28	3750	2.4	53.21	BK80-../DHE16LB4	388	14800	63100
11	25	4200	2.2	59.60	BK80-../DHE16LB4	388	15700	65500
11	21	5000	1.95	70.72	BK80-../DHE16LB4	388	16600	68700
11	19	5500	1.85	79.22	BK80-../DHE16LB4	388	17600	71300
11	16.5	6300	1.65	91.53	BK80-../DHE16LB4	388	18300	74200
11	14.5	7200	1.45	102.5	BK80-../DHE16LB4	388	20500	75000
11	13	8000	1.3	117.5	BK80-../DHE16LB4	388	22300	75000
11	11.5	9100	1.15	131.6	BK80-../DHE16LB4	388	24900	75000
11	9.7	10800	0.97	153.1	BK80-../DHE16LB4	388	27200	75000
11	8.6	12200	0.86	171.5	BK80-../DHE16LB4	388	30000	75000
11	8.3	12600	0.91	177.6	BK80Z-../DHE16LB4	431	30000	75000
11	7.4	14100	0.82	198.9	BK80Z-../DHE16LB4	431	30000	75000
11	19	5500	3.1	77.51	BK90-../DHE16LB4	641	30300	94400
11	16.5	6300	2.7	91.19	BK90-../DHE16LB4	641	33300	101000
11	14.5	7200	2.3	102.0	BK90-../DHE16LB4	641	36600	107000
11	13	8000	2.1	117.0	BK90-../DHE16LB4	641	39200	113000
11	11.5	9100	1.85	130.9	BK90-../DHE16LB4	641	42700	119400
11	9.9	10600	1.6	149.5	BK90-../DHE16LB4	641	45600	120000
11	8.8	11900	1.4	167.2	BK90-../DHE16LB4	641	49400	120000
11	8.5	12300	1.5	174.7	BK90Z-../DHE16LB4	700	49400	120000
11	7.6	13800	1.35	195.4	BK90Z-../DHE16LB4	700	49400	120000
11	6.3	16600	1.1	234.6	BK90Z-../DHE16LB4	700	49400	120000
11	5.6	18700	0.99	262.5	BK90Z-../DHE16LB4	700	49400	120000
11	5.0	21000	0.88	295.6	BK90Z-../DHE16LB4	700	49400	120000

15 kW

P _N	50 Hz			i	Type	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
15	405	325	2.2	3.67	BK50-../DHE16XB4	193	115	9400
15	280	470	1.75	5.26	BK50-../DHE16XB4	193	130	10700
15	205	640	1.25	7.29	BK50-../DHE16XB4	193	620	111000
15	152	840	1.1	9.73	BK50-../DHE16XB4	193	5400	15400
15	147	890	0.91	10.00	BK50-../DHE16XB4	193	1220	13200
15	106	1210	0.87	13.95	BK50-../DHE16XB4	193	6100	17400
15	97	1320	0.8	15.19	BK50-../DHE16XB4	193	6300	18000

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

BK-series bevel geared motors

Selection - bevel geared motors DHE - IE2

15 kW

P _N	50 Hz			i	Type	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
15	205	690	2.1	7.29	BK60-../DHE16XB4	205	2800	14900
15	136	1050	1.6	10.82	BK60-../DHE16XB4	205	3200	17000
15	119	1200	1.55	12.38	BK60-../DHE16XB4	205	3500	17400
15	107	1330	1.5	13.85	BK60-../DHE16XB4	205	3850	18000
15	103	1390	1.4	14.41	BK60-../DHE16XB4	205	3650	18600
15	92	1550	1.25	16.05	BK60-../DHE16XB4	205	4050	18800
15	81	1760	1.25	18.36	BK60-../DHE16XB4	205	4000	19900
15	72	1980	1.15	20.54	BK60-../DHE16XB4	205	4400	20600
15	61	2300	1.0	24.45	BK60-../DHE16XB4	205	4850	22000
15	54	2650	0.87	27.36	BK60-../DHE16XB4	205	5600	23200
15	108	1320	2.3	13.70	BK70-../DHE16XB4	288	5400	24800
15	97	1470	2.1	15.16	BK70-../DHE16XB4	288	5600	25800
15	86	1660	2.1	17.24	BK70-../DHE16XB4	288	6500	29200
15	68	2100	1.95	21.88	BK70-../DHE16XB4	288	6500	30200
15	60	2350	1.8	24.89	BK70-../DHE16XB4	288	7000	31500
15	48	2950	1.55	30.90	BK70-../DHE16XB4	288	7500	33600
15	42	3400	1.4	35.15	BK70-../DHE16XB4	288	8000	35000
15	37	3850	1.25	40.08	BK70-../DHE16XB4	288	8300	36300
15	32.5	4400	1.15	45.59	BK70-../DHE16XB4	288	9000	37900
15	27.5	5200	1.0	54.15	BK70-../DHE16XB4	288	9900	40200
15	24	5900	0.88	61.60	BK70-../DHE16XB4	288	11500	42800
15	48.5	2950	2.5	30.56	BK80-../DHE16XB4	398	11900	53400
15	43	3300	2.4	34.22	BK80-../DHE16XB4	398	12600	55400
15	35.5	4000	2.1	41.78	BK80-../DHE16XB4	398	13500	58700
15	31.5	4500	1.9	46.80	BK80-../DHE16XB4	398	14300	60900
15	28	5100	1.75	53.21	BK80-../DHE16XB4	398	14800	63100
15	25	5700	1.6	59.60	BK80-../DHE16XB4	398	15700	65500
15	21	6800	1.4	70.72	BK80-../DHE16XB4	398	16600	68700
15	19	7500	1.35	79.22	BK80-../DHE16XB4	398	17600	71300
15	16.5	8600	1.2	91.53	BK80-../DHE16XB4	398	18300	74200
15	14.5	9800	1.05	102.5	BK80-../DHE16XB4	398	20500	75000
15	13	11000	0.95	117.5	BK80-../DHE16XB4	398	22300	75000
15	11.5	12400	0.85	131.6	BK80-../DHE16XB4	398	24900	75000
15	27	5300	3.0	54.98	BK90-../DHE16XB4	651	24000	81000
15	24	5900	2.8	61.52	BK90-../DHE16XB4	651	25500	84600
15	21.5	6600	2.5	69.27	BK90-../DHE16XB4	651	27200	88900
15	19	7500	2.2	77.51	BK90-../DHE16XB4	651	30300	94400
15	16.5	8600	1.95	91.19	BK90-../DHE16XB4	651	33300	101000
15	14.5	9800	1.7	102.0	BK90-../DHE16XB4	651	36600	107000
15	13	11000	1.55	117.0	BK90-../DHE16XB4	651	39200	113000
15	11.5	12400	1.35	130.9	BK90-../DHE16XB4	651	42700	119400
15	9.9	14400	1.15	149.5	BK90-../DHE16XB4	651	45600	120000
15	8.8	16200	1.05	167.2	BK90-../DHE16XB4	651	49400	120000
15	8.5	16800	1.1	174.7	BK90Z-../DHE16XB4	710	49400	120000
15	7.6	18800	0.98	195.4	BK90Z-../DHE16XB4	710	49400	120000
15	6.3	22700	0.81	234.6	BK90Z-../DHE16XB4	710	49400	120000

18.5 kW

P _N	50 Hz			i	Type	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
18.5	405	400	1.8	3.67	BK50-../DHE18LB4	245	115	9400
18.5	280	580	1.4	5.26	BK50-../DHE18LB4	245	130	10700
18.5	205	790	1.05	7.29	BK50-../DHE18LB4	245	620	111000
18.5	205	860	1.7	7.29	BK60-../DHE18LB4	252	2800	14900
18.5	136	1290	1.3	10.82	BK60-../DHE18LB4	252	3200	17000
18.5	103	1710	1.15	14.41	BK60-../DHE18LB4	252	3650	18600
18.5	81	2150	1.0	18.36	BK60-../DHE18LB4	252	4000	19900
18.5	72	2450	0.92	20.54	BK60-../DHE18LB4	252	4400	20600
18.5	61	2850	0.81	24.45	BK60-../DHE18LB4	252	4850	22000

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

BK-series bevel geared motors

Selection - bevel geared motors DHE - IE2

18.5 kW

P _N	50 Hz			i	Type	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
18.5	97	1820	1.7	15.16	BK70-../DHE18LB4	329	5600	25800
18.5	86	2050	1.7	17.24	BK70-../DHE18LB4	329	6500	29200
18.5	68	2550	1.6	21.88	BK70-../DHE18LB4	329	6500	30200
18.5	60	2900	1.45	24.89	BK70-../DHE18LB4	329	7000	31500
18.5	48	3650	1.25	30.90	BK70-../DHE18LB4	329	7500	33600
18.5	42	4200	1.15	35.15	BK70-../DHE18LB4	329	8000	35000
18.5	37	4750	1.05	40.08	BK70-../DHE18LB4	329	8300	36300
18.5	32.5	5400	0.95	45.59	BK70-../DHE18LB4	329	9000	37900
18.5	27.5	6400	0.81	54.15	BK70-../DHE18LB4	329	9900	40200
18.5	103	1710	2.5	14.34	BK80-../DHE18LB4	443	7900	36200
18.5	93	1890	2.5	15.88	BK80-../DHE18LB4	443	8400	38600
18.5	83	2100	2.5	17.79	BK80-../DHE18LB4	443	9400	42100
18.5	76	2300	2.5	19.35	BK80-../DHE18LB4	443	9500	44000
18.5	67	2600	2.6	22.19	BK80-../DHE18LB4	443	10500	48500
18.5	60	2900	2.4	24.85	BK80-../DHE18LB4	443	11200	50400
18.5	48.5	3600	2.1	30.56	BK80-../DHE18LB4	443	11900	53400
18.5	43	4100	1.9	34.22	BK80-../DHE18LB4	443	12600	55400
18.5	35.5	4950	1.65	41.78	BK80-../DHE18LB4	443	13500	58700
18.5	31.5	5600	1.55	46.80	BK80-../DHE18LB4	443	14300	60900
18.5	28	6300	1.4	53.21	BK80-../DHE18LB4	443	14800	63100
18.5	25	7000	1.3	59.60	BK80-../DHE18LB4	443	15700	65500
18.5	21	8400	1.15	70.72	BK80-../DHE18LB4	443	16600	68700
18.5	19	9200	1.1	79.22	BK80-../DHE18LB4	443	17600	71300
18.5	16.5	10700	0.97	91.53	BK80-../DHE18LB4	443	18300	74200
18.5	14.5	12100	0.87	102.5	BK80-../DHE18LB4	443	20500	75000
18.5	36	4900	3.0	40.94	BK90-../DHE18LB4	698	21400	73100
18.5	32.5	5400	2.9	45.80	BK90-../DHE18LB4	698	22700	76300
18.5	27	6500	2.5	54.98	BK90-../DHE18LB4	698	24000	81000
18.5	24	7300	2.3	61.52	BK90-../DHE18LB4	698	25500	84600
18.5	21.5	8200	2.0	69.27	BK90-../DHE18LB4	698	27200	88900
18.5	19	9200	1.85	77.51	BK90-../DHE18LB4	698	30300	94400
18.5	16.5	10700	1.55	91.19	BK90-../DHE18LB4	698	33300	101000
18.5	14.5	12100	1.4	102.0	BK90-../DHE18LB4	698	36600	107000
18.5	13	13500	1.25	117.0	BK90-../DHE18LB4	698	39200	113000
18.5	11.5	15300	1.1	130.9	BK90-../DHE18LB4	698	42700	119400
18.5	9.9	17800	0.94	149.5	BK90-../DHE18LB4	698	45600	120000
18.5	8.8	20000	0.84	167.2	BK90-../DHE18LB4	698	49400	120000
18.5	8.5	20700	0.89	174.7	BK90Z-../DHE18LB4	751	49400	120000
18.5	7.6	23200	0.8	195.4	BK90Z-../DHE18LB4	751	49400	120000

22 kW

P _N	50 Hz			i	Type	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
22	405	475	1.5	3.67	BK50-../DHE18XB4	263	115	9400
22	280	690	1.2	5.26	BK50-../DHE18XB4	263	130	10700
22	205	940	0.86	7.29	BK50-../DHE18XB4	263	620	111000
22	205	1020	1.45	7.29	BK60-../DHE18XB4	270	2800	14900
22	136	1540	1.1	10.82	BK60-../DHE18XB4	270	3200	17000
22	103	2000	0.96	14.41	BK60-../DHE18XB4	270	3650	18600
22	81	2550	0.86	18.36	BK60-../DHE18XB4	270	4000	19900
22	97	2150	1.4	15.16	BK70-../DHE18XB4	347	5600	25800
22	86	2400	1.45	17.24	BK70-../DHE18XB4	347	6500	29200
22	68	3050	1.35	21.88	BK70-../DHE18XB4	347	6500	30200
22	60	3500	1.2	24.89	BK70-../DHE18XB4	347	7000	31500
22	48	4350	1.05	30.90	BK70-../DHE18XB4	347	7500	33600
22	42	5000	0.95	35.15	BK70-../DHE18XB4	347	8000	35000
22	37	5600	0.87	40.08	BK70-../DHE18XB4	347	8300	36300
22	32.5	6400	0.8	45.59	BK70-../DHE18XB4	347	9000	37900
22	103	2000	2.1	14.34	BK80-../DHE18XB4	461	7900	36200

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

BK-series bevel geared motors

Selection - bevel geared motors DHE - IE2

22 kW

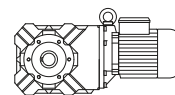
P _N	50 Hz			i	Type	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
22	93	2250	2.1	15.88	BK80-../DHE18XB4	461	8400	38600
22	83	2500	2.1	17.79	BK80-../DHE18XB4	461	9400	42100
22	76	2750	2.1	19.35	BK80-../DHE18XB4	461	9500	44000
22	67	3100	2.2	22.19	BK80-../DHE18XB4	461	10500	48500
22	60	3500	2.0	24.85	BK80-../DHE18XB4	461	11200	50400
22	48.5	4300	1.75	30.56	BK80-../DHE18XB4	461	11900	53400
22	43	4850	1.6	34.22	BK80-../DHE18XB4	461	12600	55400
22	35.5	5900	1.4	41.78	BK80-../DHE18XB4	461	13500	58700
22	31.5	6600	1.3	46.80	BK80-../DHE18XB4	461	14300	60900
22	28	7500	1.2	53.21	BK80-../DHE18XB4	461	14800	63100
22	25	8400	1.1	59.60	BK80-../DHE18XB4	461	15700	65500
22	21	10000	0.96	70.72	BK80-../DHE18XB4	461	16600	68700
22	19	11000	0.91	79.22	BK80-../DHE18XB4	461	17600	71300
22	16.5	12700	0.82	91.53	BK80-../DHE18XB4	461	18300	74200
22	48.5	4300	3.1	30.47	BK90-../DHE18XB4	716	19100	65900
22	43.5	4800	2.9	34.09	BK90-../DHE18XB4	716	20300	68800
22	36	5800	2.5	40.94	BK90-../DHE18XB4	716	21400	73100
22	32.5	6400	2.4	45.80	BK90-../DHE18XB4	716	22700	76300
22	27	7700	2.1	54.98	BK90-../DHE18XB4	716	24000	81000
22	24	8700	1.95	61.52	BK90-../DHE18XB4	716	25500	84600
22	21.5	9700	1.75	69.27	BK90-../DHE18XB4	716	27200	88900
22	19	11000	1.55	77.51	BK90-../DHE18XB4	716	30300	94400
22	16.5	12700	1.3	91.19	BK90-../DHE18XB4	716	33300	101000
22	14.5	14400	1.15	102.0	BK90-../DHE18XB4	716	36600	107000
22	13	16100	1.05	117.0	BK90-../DHE18XB4	716	39200	113000
22	11.5	18200	0.92	130.9	BK90-../DHE18XB4	716	42700	119400

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

BK-series bevel geared motors

Selection - bevel geared motors DPE - IE3

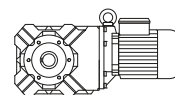
0.03 kW



P _N	50 Hz			i	Type	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
0.03	28.5	8.9	9.0	47.78	BK06-../D04LA4	7.6	1500	-
0.03	25	10.1	6.7	54.38	BK06-../D04LA4	7.6	1600	-
0.03	21.5	11.8	5.4	63.33	BK06-../D04LA4	7.6	1700	-
0.03	3.7	62	2.7	373.4	BK10Z-../D04LA4	21	7000	-
0.03	3.2	71	2.1	428.8	BK10Z-../D04LA4	21	7000	-
0.03	2.5	66	3.3	552.3	BK10G06-../D04LA4	25	7000	-
0.03	2.2	77	2.9	635.5	BK10G06-../D04LA4	25	7000	-
0.03	1.8	98	2.2	789.7	BK10G06-../D04LA4	25	7000	-
0.03	1.5	118	1.85	929.3	BK10G06-../D04LA4	25	7000	-
0.03	1.3	139	1.6	1112	BK10G06-../D04LA4	25	7000	-
0.03	1.0	184	1.2	1361	BK10G06-../D04LA4	25	7000	-
0.03	0.9	205	1.05	1577	BK10G06-../D04LA4	25	7000	-
0.03	0.7	220*	1.0	1971	BK10G06-../D04LA4	25	7000	-
0.03	0.6	220*	1.0	2261	BK10G06-../D04LA4	25	7000	-
0.03	0.55	220*	1.0	2467	BK10G06-../D04LA4	25	7000	-
0.03	0.48	220*	1.0	2849	BK10G06-../D04LA4	25	7000	-
0.03	0.44	220*	1.0	3107	BK10G06-../D04LA4	25	7000	-
0.03	0.39	220*	1.0	3537	BK10G06-../D04LA4	25	7000	-
0.03	0.33	220*	1.0	4120	BK10G06-../D04LA4	25	7000	-
0.03	1.6	110	3.3	891.2	BK20G06-../D04LA4	34	8700	9000
0.03	1.3	138	2.6	1066	BK20G06-../D04LA4	34	8700	9000
0.03	1.1	165	2.2	1305	BK20G06-../D04LA4	34	8700	9000
0.03	0.95	193	1.85	1424	BK20G06-../D04LA4	34	8700	9000
0.03	0.85	220	1.65	1650	BK20G06-../D04LA4	34	8700	9000
0.03	0.7	270	1.35	2062	BK20G06-../D04LA4	34	8700	9000
0.03	0.6	320	1.15	2366	BK20G06-../D04LA4	34	8700	9000
0.03	0.55	350	1.05	2580	BK20G06-../D04LA4	34	8700	9000
0.03	0.48	360*	1.0	2831	BK20G06-../D04LA4	34	8700	9000
0.03	0.44	360*	1.0	3088	BK20G06-../D04LA4	34	8700	9000
0.03	0.39	360*	1.0	3515	BK20G06-../D04LA4	34	8700	9000
0.03	0.33	360*	1.0	4094	BK20G06-../D04LA4	34	8700	9000
0.03	1.2	150	3.3	1142	BK30G06-../D04LA4	40	11200	12000
0.03	1.1	165	3.0	1281	BK30G06-../D04LA4	40	11200	12000
0.03	0.85	220	2.2	1620	BK30G06-../D04LA4	40	11200	12000
0.03	0.8	235	2.1	1767	BK30G06-../D04LA4	40	11200	12000
0.03	0.7	270	1.8	2024	BK30G06-../D04LA4	40	11200	12000
0.03	0.55	350	1.4	2533	BK30G06-../D04LA4	40	11200	12000
0.03	0.5	380	1.3	2738	BK30G06-../D04LA4	40	11200	12000
0.03	0.46	415	1.2	2986	BK30G06-../D04LA4	40	11200	12000
0.03	0.4	480	1.0	3399	BK30G06-../D04LA4	40	11200	12000
0.03	0.35	490*	1.0	3959	BK30G06-../D04LA4	40	11200	12000

8

0.04 kW



P _N	50 Hz			i	Type	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
0.04	41	8.3	9.6	33.33	BK06-../D04LA4	7.6	1320	-
0.04	35.5	9.6	8.3	38.18	BK06-../D04LA4	7.6	1380	-
0.04	28.5	11.9	6.7	47.78	BK06-../D04LA4	7.6	1500	-
0.04	25	13.5	5.0	54.38	BK06-../D04LA4	7.6	1600	-
0.04	21.5	15.8	4.0	63.33	BK06-../D04LA4	7.6	1700	-
0.04	4.5	68	2.7	302.4	BK10Z-../D04LA4	21	7000	-
0.04	3.7	83	2.0	373.4	BK10Z-../D04LA4	21	7000	-
0.04	3.2	95	1.55	428.8	BK10Z-../D04LA4	21	7000	-
0.04	3.0	78	2.8	459.2	BK10G06-../D04LA4	25	7000	-
0.04	2.7	88	2.5	501.4	BK10G06-../D04LA4	25	7000	-
0.04	2.5	96	2.3	552.3	BK10G06-../D04LA4	25	7000	-
0.04	2.2	112	1.95	635.5	BK10G06-../D04LA4	25	7000	-
0.04	1.8	140	1.55	789.7	BK10G06-../D04LA4	25	7000	-
0.04	1.5	167	1.3	929.3	BK10G06-../D04LA4	25	7000	-
0.04	1.3	195	1.15	1112	BK10G06-../D04LA4	25	7000	-

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

BK-series bevel geared motors

Selection - bevel geared motors DPE - IE3

0.04 kW

P _N	50 Hz			i	Type	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
0.04	1.0	255	0.86	1361	BK10G06-../D04LA4	25	7000	-
0.04	2.2	110	3.3	630.0	BK20G06-../D04LA4	34	8700	9000
0.04	1.8	138	2.6	757.0	BK20G06-../D04LA4	34	8700	9000
0.04	1.6	156	2.3	891.2	BK20G06-../D04LA4	34	8700	9000
0.04	1.3	195	1.85	1066	BK20G06-../D04LA4	34	8700	9000
0.04	1.1	230	1.55	1305	BK20G06-../D04LA4	34	8700	9000
0.04	0.95	270	1.35	1424	BK20G06-../D04LA4	34	8700	9000
0.04	0.85	305	1.2	1650	BK20G06-../D04LA4	34	8700	9000
0.04	1.7	147	3.3	810.9	BK30G06-../D04LA4	40	11200	12000
0.04	1.5	167	2.9	954.1	BK30G06-../D04LA4	40	11200	12000
0.04	1.2	210	2.3	1142	BK30G06-../D04LA4	40	11200	12000
0.04	1.1	230	2.1	1281	BK30G06-../D04LA4	40	11200	12000
0.04	0.85	305	1.6	1620	BK30G06-../D04LA4	40	11200	12000
0.04	0.8	325	1.5	1767	BK30G06-../D04LA4	40	11200	12000
0.04	0.7	375	1.3	2024	BK30G06-../D04LA4	40	11200	12000
0.04	0.55	480	1.0	2533	BK30G06-../D04LA4	40	11200	12000

0.06 kW

P _N	50 Hz			i	Type	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
0.06	63	8.1	9.9	21.54	BK06-../D04LA4	7.6	1150	-
0.06	52	9.9	8.1	26.36	BK06-../D04LA4	7.6	1230	-
0.06	41	12.5	6.4	33.33	BK06-../D04LA4	7.6	1320	-
0.06	35.5	14.5	5.5	38.18	BK06-../D04LA4	7.6	1380	-
0.06	28.5	17.8	4.5	47.78	BK06-../D04LA4	7.6	1500	-
0.06	25	20	3.4	54.38	BK06-../D04LA4	7.6	1600	-
0.06	21.5	23.5	2.7	63.33	BK06-../D04LA4	7.6	1700	-
0.06	11.5	42	3.3	120.3	BK10Z-../D06LA4	24	7000	-
0.06	9.5	50	3.3	143.2	BK10Z-../D06LA4	24	7000	-
0.06	6.6	71	2.8	204.7	BK10Z-../D06LA4	24	7000	-
0.06	5.3	88	2.3	257.9	BK10Z-../D06LA4	24	7000	-
0.06	4.5	103	1.8	302.4	BK10Z-../D06LA4	24	7000	-
0.06	3.7	125	1.3	373.4	BK10Z-../D06LA4	24	7000	-
0.06	3.2	143	1.05	428.8	BK10Z-../D06LA4	24	7000	-
0.06	3.0	129	1.7	459.2	BK10G06-../D06LA4	28	7000	-
0.06	2.7	144	1.55	501.4	BK10G06-../D06LA4	28	7000	-
0.06	2.5	157	1.4	552.3	BK10G06-../D06LA4	28	7000	-
0.06	2.2	180	1.2	635.5	BK10G06-../D06LA4	28	7000	-
0.06	1.8	220	1.0	789.7	BK10G06-../D06LA4	28	7000	-
0.06	1.5	265	0.83	929.3	BK10G06-../D06LA4	28	7000	-
0.06	4.6	100	3.1	298.2	BK20Z-../D06LA4	34	8700	9000
0.06	3.7	123	2.4	367.7	BK20Z-../D06LA4	34	8700	9000
0.06	3.2	120	3.0	429.7	BK20G06-../D06LA4	38	8700	9000
0.06	2.9	133	2.7	480.4	BK20G06-../D06LA4	38	8700	9000
0.06	2.6	149	2.4	524.5	BK20G06-../D06LA4	38	8700	9000
0.06	2.2	178	2.0	630.0	BK20G06-../D06LA4	38	8700	9000
0.06	1.8	220	1.65	757.0	BK20G06-../D06LA4	38	8700	9000
0.06	1.6	245	1.45	891.2	BK20G06-../D06LA4	38	8700	9000
0.06	1.3	305	1.2	1066	BK20G06-../D06LA4	38	8700	9000
0.06	1.1	360	1.0	1305	BK20G06-../D06LA4	38	8700	9000
0.06	3.6	128	3.1	380.7	BK30Z-../D06LA4	41	11200	12000
0.06	3.1	147	2.6	441.3	BK30Z-../D06LA4	41	11200	12000
0.06	2.4	163	3.0	567.0	BK30G06-../D06LA4	44	11200	12000
0.06	2.1	188	2.6	652.5	BK30G06-../D06LA4	44	11200	12000
0.06	1.9	210	2.3	743.0	BK30G06-../D06LA4	44	11200	12000
0.06	1.7	235	2.1	810.9	BK30G06-../D06LA4	44	11200	12000
0.06	1.5	265	1.85	954.1	BK30G06-../D06LA4	44	11200	12000
0.06	1.2	330	1.5	1142	BK30G06-../D06LA4	44	11200	12000
0.06	1.1	360	1.35	1281	BK30G06-../D06LA4	44	11200	12000

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

BK-series bevel geared motors

Selection - bevel geared motors DPE - IE3

0.06 kW

P _N	50 Hz			i	Type	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
0.06	0.85	475	1.05	1620	BK30G06-../D06LA4	44	11200	12000
0.06	1.2	290	2.9	1189	BK40G10-../D06LA4	68	11700	17000
0.06	0.95	380	2.2	1428	BK40G10-../D06LA4	68	11700	17000
0.06	0.8	465	1.85	1798	BK40G10-../D06LA4	68	11700	17000
0.06	0.65	580	1.45	2108	BK40G10-../D06LA4	68	11700	17000
0.06	0.6	640	1.35	2350	BK40G10-../D06LA4	68	11700	17000
0.06	0.55	700	1.2	2604	BK40G10-../D06LA4	68	11700	17000
0.06	1.0	370	3.1	1398	BK50G10-../D06LA4	96	14100	111000
0.06	0.9	415	2.8	1549	BK50G10-../D06LA4	96	14100	111000
0.06	0.75	510	2.3	1816	BK50G10-../D06LA4	96	14100	111000
0.06	0.7	550	2.1	2024	BK50G10-../D06LA4	96	14100	111000
0.06	0.6	630	1.85	2450	BK50G10-../D06LA4	96	14100	111000
0.06	0.5	760	1.5	2730	BK50G10-../D06LA4	96	14100	111000
0.06	0.45	850	1.35	3025	BK50G10-../D06LA4	96	14100	111000
0.06	0.39	960	1.2	3492	BK50G10-../D06LA4	96	14100	111000
0.06	0.35	1080	1.05	3870	BK50G10-../D06LA4	96	14100	111000
0.06	0.39	920	2.7	3533	BK60G20-../D06LA4	123	16600	34000
0.06	0.32	1240	2.0	4239	BK60G20-../D06LA4	123	16600	34000
0.06	0.27	1570	1.6	5072	BK60G20-../D06LA4	123	16600	34000
0.06	0.24	1830	1.35	5721	BK60G20-../D06LA4	123	16600	34000
0.06	0.21	2150	1.15	6565	BK60G20-../D06LA4	123	16600	34000
0.06	0.19	2450	1.0	7291	BK60G20-../D06LA4	123	16600	34000
0.06	0.21	2000	2.9	6504	BK70G20-../D06LA4	201	24100	50000
0.06	0.17	2650	2.2	8149	BK70G20-../D06LA4	201	24100	50000
0.06	0.15	3100	1.85	9351	BK70G20-../D06LA4	201	24100	50000

8

0.09 kW

P _N	50 Hz			i	Type	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
0.09	89	8.7	9.2	15.29	BK06-../D04LA4	7.6	1020	-
0.09	75	10.3	7.8	18.00	BK06-../D04LA4	7.6	1080	-
0.09	63	12.2	6.6	21.54	BK06-../D04LA4	7.6	1150	-
0.09	52	14.8	5.4	26.36	BK06-../D04LA4	7.6	1230	-
0.09	41	18.8	4.3	33.33	BK06-../D04LA4	7.6	1320	-
0.09	35.5	21.5	3.7	38.18	BK06-../D04LA4	7.6	1380	-
0.09	28.5	26.5	3.0	47.78	BK06-../D04LA4	7.6	1500	-
0.09	25	30.5	2.2	54.38	BK06-../D04LA4	7.6	1600	-
0.09	21.5	35.5	1.8	63.33	BK06-../D04LA4	7.6	1700	-
0.09	13.5	54	2.9	102.5	BK10-../D06LA4	23	7000	-
0.09	11.5	63	2.2	120.3	BK10Z-../D06LA4	24	7000	-
0.09	9.5	75	2.2	143.2	BK10Z-../D06LA4	24	7000	-
0.09	8.0	89	2.2	170.6	BK10Z-../D06LA4	24	7000	-
0.09	6.6	106	1.9	204.7	BK10Z-../D06LA4	24	7000	-
0.09	5.3	132	1.5	257.9	BK10Z-../D06LA4	24	7000	-
0.09	4.5	154	1.2	302.4	BK10Z-../D06LA4	24	7000	-
0.09	3.7	188	0.88	373.4	BK10Z-../D06LA4	24	7000	-
0.09	3.3	186	1.2	410.8	BK10G06-../D06LA4	28	7000	-
0.09	3.0	205	1.05	459.2	BK10G06-../D06LA4	28	7000	-
0.09	2.7	225	0.98	501.4	BK10G06-../D06LA4	28	7000	-
0.09	2.5	245	0.9	552.3	BK10G06-../D06LA4	28	7000	-
0.09	6.6	106	3.1	207.5	BK20Z-../D06LA4	34	8700	9000
0.09	5.2	135	2.4	259.9	BK20Z-../D06LA4	34	8700	9000
0.09	4.6	151	2.1	298.2	BK20Z-../D06LA4	34	8700	9000
0.09	3.7	185	1.6	367.7	BK20Z-../D06LA4	34	8700	9000
0.09	3.2	192	1.9	429.7	BK20G06-../D06LA4	38	8700	9000
0.09	2.9	210	1.7	480.4	BK20G06-../D06LA4	38	8700	9000
0.09	2.6	235	1.55	524.5	BK20G06-../D06LA4	38	8700	9000
0.09	2.2	280	1.3	630.0	BK20G06-../D06LA4	38	8700	9000

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

BK-series bevel geared motors

Selection - bevel geared motors DPE - IE3

0.09 kW

P _N	50 Hz			i	Type	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
0.09	1.8	345	1.05	757.0	BK20G06-../D06LA4	38	8700	9000
0.09	1.6	385	0.94	891.2	BK20G06-../D06LA4	38	8700	9000
0.09	4.4	160	2.4	308.3	BK30Z-../D06LA4	41	11200	12000
0.09	3.6	193	2.1	380.7	BK30Z-../D06LA4	41	11200	12000
0.09	3.1	220	1.75	441.3	BK30Z-../D06LA4	41	11200	12000
0.09	2.9	210	2.3	471.5	BK30G06-../D06LA4	44	11200	12000
0.09	2.4	255	1.9	567.0	BK30G06-../D06LA4	44	11200	12000
0.09	2.1	295	1.65	652.5	BK30G06-../D06LA4	44	11200	12000
0.09	1.9	325	1.5	743.0	BK30G06-../D06LA4	44	11200	12000
0.09	1.7	365	1.35	810.9	BK30G06-../D06LA4	44	11200	12000
0.09	1.5	410	1.2	954.1	BK30G06-../D06LA4	44	11200	12000
0.09	1.2	510	0.96	1142	BK30G06-../D06LA4	44	11200	12000
0.09	1.1	560	0.88	1281	BK30G06-../D06LA4	44	11200	12000
0.09	3.9	178	3.3	348.7	BK40Z-../D06LA4	64	11700	17000
0.09	3.2	210	2.7	430.0	BK40Z-../D06LA4	64	11700	17000
0.09	1.8	295	2.9	756.7	BK40G10-../D06LA4	68	11700	17000
0.09	1.7	320	2.7	838.4	BK40G10-../D06LA4	68	11700	17000
0.09	1.4	400	2.1	998.3	BK40G10-../D06LA4	68	11700	17000
0.09	1.2	475	1.8	1189	BK40G10-../D06LA4	68	11700	17000
0.09	0.95	610	1.4	1428	BK40G10-../D06LA4	68	11700	17000
0.09	0.8	730	1.15	1798	BK40G10-../D06LA4	68	11700	17000
0.09	1.6	350	3.3	859.8	BK50G10-../D06LA4	96	14100	111000
0.09	1.4	410	2.8	1024	BK50G10-../D06LA4	96	14100	111000
0.09	1.1	530	2.2	1230	BK50G10-../D06LA4	96	14100	111000
0.09	1.0	590	1.95	1398	BK50G10-../D06LA4	96	14100	111000
0.09	0.9	660	1.75	1549	BK50G10-../D06LA4	96	14100	111000
0.09	0.75	790	1.45	1816	BK50G10-../D06LA4	96	14100	111000
0.09	0.7	850	1.35	2024	BK50G10-../D06LA4	96	14100	111000
0.09	0.6	980	1.15	2450	BK50G10-../D06LA4	96	14100	111000
0.09	0.7	750	3.3	2010	BK60G20-../D06LA4	123	16600	34000
0.09	0.6	930	2.7	2371	BK60G20-../D06LA4	123	16600	34000
0.09	0.5	1180	2.1	2733	BK60G20-../D06LA4	123	16600	34000
0.09	0.45	1360	1.85	3036	BK60G20-../D06LA4	123	16600	34000
0.09	0.39	1650	1.5	3533	BK60G20-../D06LA4	123	16600	34000
0.09	0.32	2100	1.2	4239	BK60G20-../D06LA4	123	16600	34000
0.09	0.35	1750	3.3	3894	BK70G20-../D06LA4	201	24100	50000
0.09	0.3	2150	2.7	4531	BK70G20-../D06LA4	201	24100	50000
0.09	0.25	2700	2.1	5436	BK70G20-../D06LA4	201	24100	50000
0.09	0.21	3350	1.7	6504	BK70G20-../D06LA4	201	24100	50000
0.09	0.17	4350	1.3	8149	BK70G20-../D06LA4	201	24100	50000
0.09	0.15	5000	1.15	9351	BK70G20-../D06LA4	201	24100	50000

0.11 kW

P _N	50 Hz			i	Type	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
0.11	116	8.3	9.6	11.67	BK06-../D04LA4	7.6	930	-
0.11	89	10.7	7.5	15.29	BK06-../D04LA4	7.6	1020	-
0.11	75	12.6	6.3	18.00	BK06-../D04LA4	7.6	1080	-
0.11	63	15	5.3	21.54	BK06-../D04LA4	7.6	1150	-
0.11	52	18.1	4.4	26.36	BK06-../D04LA4	7.6	1230	-
0.11	41	23	3.5	33.33	BK06-../D04LA4	7.6	1320	-
0.11	35.5	26.5	3.0	38.18	BK06-../D04LA4	7.6	1380	-
0.11	28.5	32.5	2.5	47.78	BK06-../D04LA4	7.6	1500	-
0.11	25	37	1.85	54.38	BK06-../D04LA4	7.6	1600	-
0.11	21.5	43	1.5	63.33	BK06-../D04LA4	7.6	1700	-
0.11	11.5	77	1.8	120.3	BK10Z-../D04LA4	21	7000	-
0.11	9.5	92	1.75	143.2	BK10Z-../D04LA4	21	7000	-
0.11	8.0	108	1.85	170.6	BK10Z-../D04LA4	21	7000	-

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

BK-series bevel geared motors

Selection - bevel geared motors DPE - IE3

0.11 kW

P _N	50 Hz			i	Type	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
0.11	6.6	130	1.55	204.7	BK10Z-../D04LA4	21	7000	-
0.11	5.3	162	1.25	257.9	BK10Z-../D04LA4	21	7000	-
0.11	4.5	189	0.97	302.4	BK10Z-../D04LA4	21	7000	-
0.11	4.0	191	1.15	343.2	BK10G06-../D04LA4	25	7000	-
0.11	3.3	230	0.96	410.8	BK10G06-../D04LA4	25	7000	-
0.11	3.0	255	0.86	459.2	BK10G06-../D04LA4	25	7000	-
0.11	2.7	220*	1.0	501.4	BK10G06-../D04LA4	25	7000	-
0.11	2.5	220*	1.0	552.3	BK10G06-../D04LA4	25	7000	-
0.11	2.2	220*	1.0	635.5	BK10G06-../D04LA4	25	7000	-
0.11	1.8	220*	1.0	789.7	BK10G06-../D04LA4	25	7000	-
0.11	1.5	220*	1.0	929.3	BK10G06-../D04LA4	25	7000	-
0.11	1.3	220*	1.0	1112	BK10G06-../D04LA4	25	7000	-
0.11	1.0	220*	1.0	1361	BK10G06-../D04LA4	25	7000	-
0.11	0.9	220*	1.0	1577	BK10G06-../D04LA4	25	7000	-
0.11	0.7	220*	1.0	1971	BK10G06-../D04LA4	25	7000	-
0.11	0.6	220*	1.0	2261	BK10G06-../D04LA4	25	7000	-
0.11	0.55	220*	1.0	2467	BK10G06-../D04LA4	25	7000	-
0.11	0.48	220*	1.0	2849	BK10G06-../D04LA4	25	7000	-
0.11	0.44	220*	1.0	3107	BK10G06-../D04LA4	25	7000	-
0.11	0.39	220*	1.0	3537	BK10G06-../D04LA4	25	7000	-
0.11	0.33	220*	1.0	4120	BK10G06-../D04LA4	25	7000	-
0.11	7.8	111	3.0	173.4	BK20Z-../D04LA4	31	8700	9000
0.11	6.6	130	2.5	207.5	BK20Z-../D04LA4	31	8700	9000
0.11	5.2	165	2.0	259.9	BK20Z-../D04LA4	31	8700	9000
0.11	4.6	184	1.7	298.2	BK20Z-../D04LA4	31	8700	9000
0.11	3.7	225	1.3	367.7	BK20Z-../D04LA4	31	8700	9000
0.11	3.2	235	1.55	429.7	BK20G06-../D04LA4	34	8700	9000
0.11	2.9	260	1.4	480.4	BK20G06-../D04LA4	34	8700	9000
0.11	2.6	295	1.2	524.5	BK20G06-../D04LA4	34	8700	9000
0.11	2.2	345	1.05	630.0	BK20G06-../D04LA4	34	8700	9000
0.11	1.8	425	0.85	757.0	BK20G06-../D04LA4	34	8700	9000
0.11	1.6	360*	1.0	891.2	BK20G06-../D04LA4	34	8700	9000
0.11	1.3	360*	1.0	1066	BK20G06-../D04LA4	34	8700	9000
0.11	1.1	360*	1.0	1305	BK20G06-../D04LA4	34	8700	9000
0.11	0.95	360*	1.0	1424	BK20G06-../D04LA4	34	8700	9000
0.11	0.85	360*	1.0	1650	BK20G06-../D04LA4	34	8700	9000
0.11	0.7	360*	1.0	2062	BK20G06-../D04LA4	34	8700	9000
0.11	0.6	360*	1.0	2366	BK20G06-../D04LA4	34	8700	9000
0.11	0.55	360*	1.0	2580	BK20G06-../D04LA4	34	8700	9000
0.11	0.48	360*	1.0	2831	BK20G06-../D04LA4	34	8700	9000
0.11	0.44	360*	1.0	3088	BK20G06-../D04LA4	34	8700	9000
0.11	0.39	360*	1.0	3515	BK20G06-../D04LA4	34	8700	9000
0.11	0.33	360*	1.0	4094	BK20G06-../D04LA4	34	8700	9000
0.11	2.9	260	1.9	471.5	BK30G06-../D04LA4	40	11200	12000
0.11	2.4	320	1.55	567.0	BK30G06-../D04LA4	40	11200	12000
0.11	2.1	365	1.35	652.5	BK30G06-../D04LA4	40	11200	12000
0.11	1.9	405	1.2	743.0	BK30G06-../D04LA4	40	11200	12000
0.11	1.7	450	1.1	810.9	BK30G06-../D04LA4	40	11200	12000
0.11	1.5	510	0.96	954.1	BK30G06-../D04LA4	40	11200	12000
0.11	1.2	490*	1.0	1142	BK30G06-../D04LA4	40	11200	12000
0.11	1.1	490*	1.0	1281	BK30G06-../D04LA4	40	11200	12000
0.11	0.85	490*	1.0	1620	BK30G06-../D04LA4	40	11200	12000
0.11	0.8	490*	1.0	1767	BK30G06-../D04LA4	40	11200	12000
0.11	0.7	490*	1.0	2024	BK30G06-../D04LA4	40	11200	12000
0.11	0.55	490*	1.0	2533	BK30G06-../D04LA4	40	11200	12000
0.11	0.5	490*	1.0	2738	BK30G06-../D04LA4	40	11200	12000
0.11	0.46	490*	1.0	2986	BK30G06-../D04LA4	40	11200	12000
0.11	0.4	490*	1.0	3399	BK30G06-../D04LA4	40	11200	12000
0.11	0.35	490*	1.0	3959	BK30G06-../D04LA4	40	11200	12000

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

BK-series bevel geared motors

Selection - bevel geared motors DPE - IE3

0.12 kW

P _N	50 Hz			i	Type	m		
	n ₂	M ₂	f _B					
[kW]	[1/min]	[Nm]	[—]	[:1]		[kg]	[N]	[N]
0.12	121	8.7	9.2	11.67	BK06-../DPE05LA4	9.5	930	-
0.12	92	11.3	7.1	15.29	BK06-../DPE05LA4	9.5	1020	-
0.12	79	13	6.2	18.00	BK06-../DPE05LA4	9.5	1080	-
0.12	66	15.6	5.1	21.54	BK06-../DPE05LA4	9.5	1150	-
0.12	54	19.1	4.2	26.36	BK06-../DPE05LA4	9.5	1230	-
0.12	42.5	24	3.3	33.33	BK06-../DPE05LA4	9.5	1320	-
0.12	37	27.5	2.9	38.18	BK06-../DPE05LA4	9.5	1380	-
0.12	29.5	34.5	2.3	47.78	BK06-../DPE05LA4	9.5	1500	-
0.12	26	39	1.75	54.38	BK06-../DPE05LA4	9.5	1600	-
0.12	22.5	45	1.4	63.33	BK06-../DPE05LA4	9.5	1700	-
0.12	16	62	2.9	89.30	BK10-../DPE06LA4	23	7000	-
0.12	14	69	2.3	102.5	BK10-../DPE06LA4	23	7000	-
0.12	12	81	1.7	120.3	BK10Z-../DPE06LA4	24	7000	-
0.12	9.8	98	1.65	143.2	BK10Z-../DPE06LA4	24	7000	-
0.12	8.3	114	1.75	170.6	BK10Z-../DPE06LA4	24	7000	-
0.12	6.9	136	1.45	204.7	BK10Z-../DPE06LA4	24	7000	-
0.12	5.5	170	1.2	257.9	BK10Z-../DPE06LA4	24	7000	-
0.12	4.7	197	0.93	302.4	BK10Z-../DPE06LA4	24	7000	-
0.12	4.1	205	1.05	343.2	BK10G06-../DPE06LA4	28	7000	-
0.12	3.5	240	0.92	410.8	BK10G06-../DPE06LA4	28	7000	-
0.12	3.1	270	0.81	459.2	BK10G06-../DPE06LA4	28	7000	-
0.12	2.8	220*	1.0	501.4	BK10G06-../DPE06LA4	28	7000	-
0.12	2.6	220*	1.0	552.3	BK10G06-../DPE06LA4	28	7000	-
0.12	2.3	220*	1.0	635.5	BK10G06-../DPE06LA4	28	7000	-
0.12	1.8	220*	1.0	789.7	BK10G06-../DPE06LA4	28	7000	-
0.12	1.6	220*	1.0	929.3	BK10G06-../DPE06LA4	28	7000	-
0.12	1.3	220*	1.0	1112	BK10G06-../DPE06LA4	28	7000	-
0.12	1.1	220*	1.0	1361	BK10G06-../DPE06LA4	28	7000	-
0.12	0.9	220*	1.0	1577	BK10G06-../DPE06LA4	28	7000	-
0.12	0.75	220*	1.0	1971	BK10G06-../DPE06LA4	28	7000	-
0.12	0.65	220*	1.0	2261	BK10G06-../DPE06LA4	28	7000	-
0.12	0.6	220*	1.0	2467	BK10G06-../DPE06LA4	28	7000	-
0.12	0.5	220*	1.0	2849	BK10G06-../DPE06LA4	28	7000	-
0.12	0.46	220*	1.0	3107	BK10G06-../DPE06LA4	28	7000	-
0.12	0.4	220*	1.0	3537	BK10G06-../DPE06LA4	28	7000	-
0.12	0.34	220*	1.0	4120	BK10G06-../DPE06LA4	28	7000	-
0.12	9.7	99	3.3	144.5	BK20Z-../DPE06LA4	34	8700	9000
0.12	8.1	117	2.8	173.4	BK20Z-../DPE06LA4	34	8700	9000
0.12	6.8	138	2.4	207.5	BK20Z-../DPE06LA4	34	8700	9000
0.12	5.4	174	1.9	259.9	BK20Z-../DPE06LA4	34	8700	9000
0.12	4.7	197	1.6	298.2	BK20Z-../DPE06LA4	34	8700	9000
0.12	3.9	235	1.25	367.7	BK20Z-../DPE06LA4	34	8700	9000
0.12	3.3	255	1.4	429.7	BK20G06-../DPE06LA4	38	8700	9000
0.12	3.0	280	1.3	480.4	BK20G06-../DPE06LA4	38	8700	9000
0.12	2.7	310	1.15	524.5	BK20G06-../DPE06LA4	38	8700	9000
0.12	2.3	365	0.99	630.0	BK20G06-../DPE06LA4	38	8700	9000
0.12	1.9	440	0.82	757.0	BK20G06-../DPE06LA4	38	8700	9000
0.12	1.6	360*	1.0	891.2	BK20G06-../DPE06LA4	38	8700	9000
0.12	1.4	360*	1.0	1066	BK20G06-../DPE06LA4	38	8700	9000
0.12	1.1	360*	1.0	1305	BK20G06-../DPE06LA4	38	8700	9000
0.12	1.0	360*	1.0	1424	BK20G06-../DPE06LA4	38	8700	9000
0.12	0.85	360*	1.0	1650	BK20G06-../DPE06LA4	38	8700	9000
0.12	0.7	360*	1.0	2062	BK20G06-../DPE06LA4	38	8700	9000
0.12	0.6	360*	1.0	2366	BK20G06-../DPE06LA4	38	8700	9000
0.12	0.55	360*	1.0	2580	BK20G06-../DPE06LA4	38	8700	9000
0.12	0.5	360*	1.0	2831	BK20G06-../DPE06LA4	38	8700	9000
0.12	0.46	360*	1.0	3088	BK20G06-../DPE06LA4	38	8700	9000
0.12	0.4	360*	1.0	3515	BK20G06-../DPE06LA4	38	8700	9000
0.12	0.35	360*	1.0	4094	BK20G06-../DPE06LA4	38	8700	9000
0.12	6.5	144	3.1	216.5	BK30Z-../DPE06LA4	41	11200	12000
0.12	5.5	170	2.6	255.3	BK30Z-../DPE06LA4	41	11200	12000
0.12	4.6	200	1.95	308.3	BK30Z-../DPE06LA4	41	11200	12000
0.12	3.7	250	1.6	380.7	BK30Z-../DPE06LA4	41	11200	12000
0.12	3.2	285	1.35	441.3	BK30Z-../DPE06LA4	41	11200	12000
0.12	3.0	280	1.75	471.5	BK30G06-../DPE06LA4	44	11200	12000
0.12	2.5	335	1.45	567.0	BK30G06-../DPE06LA4	44	11200	12000
0.12	2.2	380	1.3	652.5	BK30G06-../DPE06LA4	44	11200	12000

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

BK-series bevel geared motors

Selection - bevel geared motors DPE - IE3

0.12 kW

P _N	50 Hz			i	Type	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
0.12	1.9	440	1.1	743.0	BK30G06-../DPE06LA4	44	11200	12000
0.12	1.8	470	1.05	810.9	BK30G06-../DPE06LA4	44	11200	12000
0.12	1.5	560	0.88	954.1	BK30G06-../DPE06LA4	44	11200	12000
0.12	1.3	490*	1.0	1142	BK30G06-../DPE06LA4	44	11200	12000
0.12	1.1	490*	1.0	1281	BK30G06-../DPE06LA4	44	11200	12000
0.12	0.9	490*	1.0	1620	BK30G06-../DPE06LA4	44	11200	12000
0.12	0.8	490*	1.0	1767	BK30G06-../DPE06LA4	44	11200	12000
0.12	0.7	490*	1.0	2024	BK30G06-../DPE06LA4	44	11200	12000
0.12	0.6	490*	1.0	2533	BK30G06-../DPE06LA4	44	11200	12000
0.12	0.55	490*	1.0	2738	BK30G06-../DPE06LA4	44	11200	12000
0.12	0.47	490*	1.0	2986	BK30G06-../DPE06LA4	44	11200	12000
0.12	0.42	490*	1.0	3399	BK30G06-../DPE06LA4	44	11200	12000
0.12	0.36	490*	1.0	3959	BK30G06-../DPE06LA4	44	11200	12000
0.12	4.1	225	2.6	348.7	BK40Z-../DPE06LA4	64	11700	17000
0.12	3.3	275	2.1	430.0	BK40Z-../DPE06LA4	64	11700	17000
0.12	2.6	275	3.1	540.0	BK40G10-../DPE06LA4	68	11700	17000
0.12	2.2	335	2.5	660.2	BK40G10-../DPE06LA4	68	11700	17000
0.12	1.9	395	2.2	756.7	BK40G10-../DPE06LA4	68	11700	17000
0.12	1.7	445	1.9	838.4	BK40G10-../DPE06LA4	68	11700	17000
0.12	1.5	520	1.65	998.3	BK40G10-../DPE06LA4	68	11700	17000
0.12	1.2	650	1.3	1189	BK40G10-../DPE06LA4	68	11700	17000
0.12	1.0	790	1.1	1428	BK40G10-../DPE06LA4	68	11700	17000
0.12	0.8	850*	1.0	1798	BK40G10-../DPE06LA4	68	11700	17000
0.12	0.7	850*	1.0	2108	BK40G10-../DPE06LA4	68	11700	17000
0.12	0.6	850*	1.0	2350	BK40G10-../DPE06LA4	68	11700	17000
0.12	0.55	850*	1.0	2604	BK40G10-../DPE06LA4	68	11700	17000
0.12	0.46	850*	1.0	3077	BK40G10-../DPE06LA4	68	11700	17000
0.12	0.41	850*	1.0	3429	BK40G10-../DPE06LA4	68	11700	17000
0.12	0.37	850*	1.0	3800	BK40G10-../DPE06LA4	68	11700	17000
0.12	0.33	850*	1.0	4363	BK40G10-../DPE06LA4	68	11700	17000
0.12	3.4	265	3.2	414.8	BK50Z-../DPE06LA4	92	14100	26000
0.12	2.0	380	3.0	722.2	BK50G10-../DPE06LA4	96	14100	111000
0.12	1.7	460	2.5	859.8	BK50G10-../DPE06LA4	96	14100	111000
0.12	1.4	560	2.1	1024	BK50G10-../DPE06LA4	96	14100	111000
0.12	1.2	670	1.7	1230	BK50G10-../DPE06LA4	96	14100	111000
0.12	1.1	730	1.6	1398	BK50G10-../DPE06LA4	96	14100	111000
0.12	0.95	850	1.35	1549	BK50G10-../DPE06LA4	96	14100	111000
0.12	0.8	1010	1.15	1816	BK50G10-../DPE06LA4	96	14100	111000
0.12	0.7	1150*	1.0	2024	BK50G10-../DPE06LA4	96	14100	111000
0.12	0.6	1150*	1.0	2450	BK50G10-../DPE06LA4	96	14100	111000
0.12	0.55	1150*	1.0	2730	BK50G10-../DPE06LA4	96	14100	111000
0.12	0.47	1150*	1.0	3025	BK50G10-../DPE06LA4	96	14100	111000
0.12	0.41	1150*	1.0	3492	BK50G10-../DPE06LA4	96	14100	111000
0.12	0.37	1150*	1.0	3870	BK50G10-../DPE06LA4	96	14100	111000
0.12	0.32	1150*	1.0	4443	BK50G10-../DPE06LA4	96	14100	111000
0.12	0.9	860	2.9	1618	BK60G20-../DPE06LA4	123	16600	34000
0.12	0.8	970	2.6	1810	BK60G20-../DPE06LA4	123	16600	34000
0.12	0.7	1160	2.2	2010	BK60G20-../DPE06LA4	123	16600	34000
0.12	0.6	1400	1.8	2371	BK60G20-../DPE06LA4	123	16600	34000
0.12	0.55	1540	1.6	2733	BK60G20-../DPE06LA4	123	16600	34000
0.12	0.47	1890	1.3	3036	BK60G20-../DPE06LA4	123	16600	34000
0.12	0.4	2300	1.1	3533	BK60G20-../DPE06LA4	123	16600	34000
0.12	0.34	2500*	1.0	4239	BK60G20-../DPE06LA4	123	16600	34000
0.12	0.28	2500*	1.0	5072	BK60G20-../DPE06LA4	123	16600	34000
0.12	0.25	2500*	1.0	5721	BK60G20-../DPE06LA4	123	16600	34000
0.12	0.22	2500*	1.0	6565	BK60G20-../DPE06LA4	123	16600	34000
0.12	0.2	2500*	1.0	7291	BK60G20-../DPE06LA4	123	16600	34000
0.12	0.18	2500*	1.0	8093	BK60G20-../DPE06LA4	123	16600	34000
0.12	0.16	2500*	1.0	8990	BK60G20-../DPE06LA4	123	16600	34000
0.12	0.47	1790	3.2	3041	BK70G20-../DPE06LA4	201	24100	50000
0.12	0.4	2150	2.7	3505	BK70G20-../DPE06LA4	201	24100	50000
0.12	0.36	2450	2.3	3894	BK70G20-../DPE06LA4	201	24100	50000
0.12	0.31	2950	1.95	4531	BK70G20-../DPE06LA4	201	24100	50000
0.12	0.26	3700	1.55	5436	BK70G20-../DPE06LA4	201	24100	50000
0.12	0.22	4500	1.25	6504	BK70G20-../DPE06LA4	201	24100	50000
0.12	0.18	5600	1.0	8149	BK70G20-../DPE06LA4	201	24100	50000

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

BK-series bevel geared motors

Selection - bevel geared motors DPE - IE3

0.12 kW

P _N	50 Hz	i		Type	m		
η_2	M ₂	f _B					
[kW]	[1/min]	[Nm]	[—]	[:1]	[kg]	[N]	[N]
0.12	0.15	5700*	1.0	9351	BK70G20-../DPE06LA4	201	24100 50000

0.18 kW

P _N	50 Hz	i		Type	m		
η_2	M ₂	f _B					
[kW]	[1/min]	[Nm]	[—]	[:1]	[kg]	[N]	[N]
0.18	145	10.9	7.3	9.71	BK06-../DPE07LA4	14	880 -
0.18	120	13.1	6.1	11.67	BK06-../DPE07LA4	14	930 -
0.18	92	17	4.7	15.29	BK06-../DPE07LA4	14	1020 -
0.18	78	19.8	4.0	18.00	BK06-../DPE07LA4	14	1080 -
0.18	65	23.5	3.4	21.54	BK06-../DPE07LA4	14	1150 -
0.18	54	28.5	2.8	26.36	BK06-../DPE07LA4	14	1230 -
0.18	42.5	36	2.2	33.33	BK06-../DPE07LA4	14	1320 -
0.18	37	41.5	1.95	38.18	BK06-../DPE07LA4	14	1380 -
0.18	29.5	51	1.55	47.78	BK06-../DPE07LA4	14	1500 -
0.18	26	58	1.15	54.38	BK06-../DPE07LA4	14	1600 -
0.18	22.5	67	0.95	63.33	BK06-../DPE07LA4	14	1700 -
0.18	23	66	3.0	61.68	BK10-../DPE07LA4	26	7000 -
0.18	19.5	77	2.6	72.31	BK10-../DPE07LA4	26	7000 -
0.18	16	93	1.9	89.30	BK10-../DPE07LA4	26	7000 -
0.18	14	104	1.5	102.5	BK10-../DPE07LA4	26	7000 -
0.18	12	121	1.15	120.3	BK10Z-../DPE07LA4	27	7000 -
0.18	9.8	147	1.1	143.2	BK10Z-../DPE07LA4	27	7000 -
0.18	8.3	171	1.15	170.6	BK10Z-../DPE07LA4	27	7000 -
0.18	6.9	200	1.0	204.7	BK10Z-../DPE07LA4	27	7000 -
0.18	13	113	2.8	108.6	BK20-../DPE07LA4	35	8700 9000
0.18	11.5	127	2.6	124.2	BK20Z-../DPE07LA4	37	8700 9000
0.18	9.7	148	2.2	144.5	BK20Z-../DPE07LA4	37	8700 9000
0.18	8.1	176	1.9	173.4	BK20Z-../DPE07LA4	37	8700 9000
0.18	6.8	205	1.6	207.5	BK20Z-../DPE07LA4	37	8700 9000
0.18	5.4	260	1.25	259.9	BK20Z-../DPE07LA4	37	8700 9000
0.18	4.7	295	1.05	298.2	BK20Z-../DPE07LA4	37	8700 9000
0.18	3.9	350	0.83	367.7	BK20Z-../DPE07LA4	37	8700 9000
0.18	3.3	390	0.92	429.7	BK20G06-../DPE07LA4	40	8700 9000
0.18	3.0	430	0.84	480.4	BK20G06-../DPE07LA4	40	8700 9000
0.18	9.7	148	3.0	145.1	BK30Z-../DPE07LA4	44	11200 12000
0.18	7.6	187	2.4	184.8	BK30Z-../DPE07LA4	44	11200 12000
0.18	6.5	215	2.1	216.5	BK30Z-../DPE07LA4	44	11200 12000
0.18	5.5	255	1.75	255.3	BK30Z-../DPE07LA4	44	11200 12000
0.18	4.6	305	1.25	308.3	BK30Z-../DPE07LA4	44	11200 12000
0.18	3.7	375	1.05	380.7	BK30Z-../DPE07LA4	44	11200 12000
0.18	3.2	425	0.9	441.3	BK30Z-../DPE07LA4	44	11200 12000
0.18	3.0	430	1.15	471.5	BK30G06-../DPE07LA4	46	11200 12000
0.18	2.5	510	0.96	567.0	BK30G06-../DPE07LA4	46	11200 12000
0.18	2.2	580	0.84	652.5	BK30G06-../DPE07LA4	46	11200 12000
0.18	5.7	240	3.3	246.6	BK40Z-../DPE07LA4	66	11700 17000
0.18	4.9	280	2.4	289.8	BK40Z-../DPE07LA4	66	11700 17000
0.18	4.1	335	1.75	348.7	BK40Z-../DPE07LA4	66	11700 17000
0.18	3.3	415	1.4	430.0	BK40Z-../DPE07LA4	66	11700 17000
0.18	2.9	400	2.1	487.3	BK40G10-../DPE07LA4	71	11700 17000
0.18	2.6	450	1.9	540.0	BK40G10-../DPE07LA4	71	11700 17000
0.18	2.2	540	1.55	660.2	BK40G10-../DPE07LA4	71	11700 17000
0.18	1.9	630	1.35	756.7	BK40G10-../DPE07LA4	71	11700 17000
0.18	1.7	710	1.2	838.4	BK40G10-../DPE07LA4	71	11700 17000
0.18	1.5	810	1.05	998.3	BK40G10-../DPE07LA4	71	11700 17000
0.18	1.2	1020	0.83	1189	BK40G10-../DPE07LA4	71	11700 17000
0.18	4.3	320	3.2	328.2	BK50Z-../DPE07LA4	95	14100 26000
0.18	3.4	400	2.1	414.8	BK50Z-../DPE07LA4	95	14100 26000
0.18	3.1	380	3.0	465.1	BK50G10-../DPE07LA4	99	14100 111000
0.18	2.8	425	2.7	513.4	BK50G10-../DPE07LA4	99	14100 111000

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

BK-series bevel geared motors

Selection - bevel geared motors DPE - IE3

0.18 kW

P _N	50 Hz			i	Type	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
0.18	2.5	475	2.4	568.6	BK50G10-../DPE07LA4	99	14100	111000
0.18	2.2	540	2.1	651.7	BK50G10-../DPE07LA4	99	14100	111000
0.18	2.0	600	1.9	722.2	BK50G10-../DPE07LA4	99	14100	111000
0.18	1.7	720	1.6	859.8	BK50G10-../DPE07LA4	99	14100	111000
0.18	1.4	880	1.3	1024	BK50G10-../DPE07LA4	99	14100	111000
0.18	1.2	1030	1.1	1230	BK50G10-../DPE07LA4	99	14100	111000
0.18	1.1	1130	1.0	1398	BK50G10-../DPE07LA4	99	14100	111000
0.18	1.4	920	2.7	1016	BK60G20-../DPE07LA4	125	16600	34000
0.18	1.1	1220	2.0	1322	BK60G20-../DPE07LA4	125	16600	34000
0.18	0.9	1500	1.65	1618	BK60G20-../DPE07LA4	125	16600	34000
0.18	0.8	1690	1.5	1810	BK60G20-../DPE07LA4	125	16600	34000
0.18	0.7	1980	1.25	2010	BK60G20-../DPE07LA4	125	16600	34000
0.18	0.6	2350	1.05	2371	BK60G20-../DPE07LA4	125	16600	34000
0.18	0.7	1940	2.9	2040	BK70G20-../DPE07LA4	204	24100	50000
0.18	0.55	2500	2.3	2578	BK70G20-../DPE07LA4	204	24100	50000
0.18	0.47	3000	1.9	3041	BK70G20-../DPE07LA4	204	24100	50000
0.18	0.4	3600	1.6	3505	BK70G20-../DPE07LA4	204	24100	50000
0.18	0.36	4050	1.4	3894	BK70G20-../DPE07LA4	204	24100	50000
0.18	0.31	4800	1.2	4531	BK70G20-../DPE07LA4	204	24100	50000

0.25 kW

P _N	50 Hz			i	Type	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
0.25	199	11	6.6	7.25	BK06-../DPE08MA4	15	800	-
0.25	149	14.7	5.4	9.71	BK06-../DPE08MA4	15	880	-
0.25	124	17.7	4.5	11.67	BK06-../DPE08MA4	15	930	-
0.25	95	22.5	3.6	15.29	BK06-../DPE08MA4	15	1020	-
0.25	80	26.5	3.0	18.00	BK06-../DPE08MA4	15	1080	-
0.25	67	32	2.5	21.54	BK06-../DPE08MA4	15	1150	-
0.25	55	39	2.1	26.36	BK06-../DPE08MA4	15	1230	-
0.25	43.5	49	1.65	33.33	BK06-../DPE08MA4	15	1320	-
0.25	38	56	1.45	38.18	BK06-../DPE08MA4	15	1380	-
0.25	30.5	69	1.15	47.78	BK06-../DPE08MA4	15	1500	-
0.25	35.5	60	3.3	40.79	BK10-../DPE08MA4	27	6000	-
0.25	29.5	72	2.8	48.96	BK10-../DPE08MA4	27	6400	-
0.25	23.5	90	2.2	61.68	BK10-../DPE08MA4	27	7000	-
0.25	20	105	1.9	72.31	BK10-../DPE08MA4	27	7000	-
0.25	16.5	125	1.4	89.30	BK10-../DPE08MA4	27	7000	-
0.25	12	169	0.81	120.3	BK10Z-../DPE08MA4	28	7000	-
0.25	10.5	191	0.85	143.2	BK10Z-../DPE08MA4	28	7000	-
0.25	8.5	230	0.87	170.6	BK10Z-../DPE08MA4	28	7000	-
0.25	19	110	3.0	76.79	BK20-../DPE08MA4	36	7500	9000
0.25	16.5	125	2.6	88.12	BK20-../DPE08MA4	36	8000	9000
0.25	13.5	152	2.1	108.6	BK20-../DPE08MA4	36	8700	9000
0.25	12	169	1.95	124.2	BK20Z-../DPE08MA4	38	8700	9000
0.25	10	200	1.65	144.5	BK20Z-../DPE08MA4	38	8700	9000
0.25	8.4	235	1.4	173.4	BK20Z-../DPE08MA4	38	8700	9000
0.25	7.0	275	1.2	207.5	BK20Z-../DPE08MA4	38	8700	9000
0.25	5.6	345	0.96	259.9	BK20Z-../DPE08MA4	38	8700	9000
0.25	4.9	390	0.8	298.2	BK20Z-../DPE08MA4	38	8700	9000
0.25	4.1	445	0.81	359.1	BK20G06-../DPE08MA4	44	8700	9000
0.25	14.5	139	3.2	102.4	BK30-../DPE08MA4	42	11200	12000
0.25	12	169	2.7	123.9	BK30Z-../DPE08MA4	45	11200	12000
0.25	10	200	2.3	145.1	BK30Z-../DPE08MA4	45	11200	12000
0.25	7.8	250	1.8	184.8	BK30Z-../DPE08MA4	45	11200	12000
0.25	6.7	290	1.55	216.5	BK30Z-../DPE08MA4	45	11200	12000
0.25	5.7	340	1.3	255.3	BK30Z-../DPE08MA4	45	11200	12000
0.25	4.7	415	0.93	308.3	BK30Z-../DPE08MA4	45	11200	12000
0.25	3.8	500	0.81	380.7	BK30Z-../DPE08MA4	45	11200	12000

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

BK-series bevel geared motors

Selection - bevel geared motors DPE - IE3

0.25 kW

P _N	50 Hz			i	Type	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
0.25	3.1	590	0.83	471.5	BK30G06-../DPE08MA4	50	11200	12000
0.25	6.9	280	2.8	211.5	BK40Z-../DPE08MA4	67	11700	17000
0.25	5.9	325	2.4	246.6	BK40Z-../DPE08MA4	67	11700	17000
0.25	5.0	385	1.8	289.8	BK40Z-../DPE08MA4	67	11700	17000
0.25	4.2	460	1.25	348.7	BK40Z-../DPE08MA4	67	11700	17000
0.25	3.4	560	1.0	430.0	BK40Z-../DPE08MA4	67	11700	17000
0.25	3.0	560	1.5	487.3	BK40G10-../DPE08MA4	72	11700	17000
0.25	2.7	630	1.35	540.0	BK40G10-../DPE08MA4	72	11700	17000
0.25	2.2	770	1.1	660.2	BK40G10-../DPE08MA4	72	11700	17000
0.25	2.0	860	0.99	756.7	BK40G10-../DPE08MA4	72	11700	17000
0.25	1.8	960	0.89	838.4	BK40G10-../DPE08MA4	72	11700	17000
0.25	5.5	350	3.0	264.5	BK50Z-../DPE08MA4	96	14100	26000
0.25	4.4	435	2.3	328.2	BK50Z-../DPE08MA4	96	14100	26000
0.25	3.5	540	1.55	414.8	BK50Z-../DPE08MA4	96	14100	26000
0.25	3.1	550	2.1	465.1	BK50G10-../DPE08MA4	100	14100	111000
0.25	2.9	590	1.95	513.4	BK50G10-../DPE08MA4	100	14100	111000
0.25	2.6	660	1.75	568.6	BK50G10-../DPE08MA4	100	14100	111000
0.25	2.3	750	1.55	651.7	BK50G10-../DPE08MA4	100	14100	111000
0.25	2.0	860	1.35	722.2	BK50G10-../DPE08MA4	100	14100	111000
0.25	1.7	1020	1.15	859.8	BK50G10-../DPE08MA4	100	14100	111000
0.25	1.5	1170	0.98	1024	BK50G10-../DPE08MA4	100	14100	111000
0.25	3.2	740	3.1	460.4	BK60Z-../DPE08MA4	119	16600	34000
0.25	2.9	820	2.8	498.0	BK60Z-../DPE08MA4	119	16600	34000
0.25	2.6	910	2.5	557.2	BK60Z-../DPE08MA4	119	16600	34000
0.25	2.0	870	2.9	752.1	BK60G20-../DPE08MA4	126	16600	34000
0.25	1.7	1070	2.3	887.8	BK60G20-../DPE08MA4	126	16600	34000
0.25	1.5	1290	1.95	1016	BK60G20-../DPE08MA4	126	16600	34000
0.25	1.1	1830	1.35	1322	BK60G20-../DPE08MA4	126	16600	34000
0.25	0.9	2200	1.15	1618	BK60G20-../DPE08MA4	126	16600	34000
0.25	1.0	1950	2.9	1457	BK70G20-../DPE08MA4	205	24100	50000
0.25	0.85	2350	2.4	1696	BK70G20-../DPE08MA4	205	24100	50000
0.25	0.75	2650	2.2	2040	BK70G20-../DPE08MA4	205	24100	50000
0.25	0.6	3350	1.7	2578	BK70G20-../DPE08MA4	205	24100	50000
0.25	0.48	4300	1.35	3041	BK70G20-../DPE08MA4	205	24100	50000
0.25	0.42	4950	1.15	3505	BK70G20-../DPE08MA4	205	24100	50000
0.25	0.47	3600	3.2	3120	BK80G40-../DPE08MA4	347	30000	75000
0.25	0.39	4650	2.5	3776	BK80G40-../DPE08MA4	347	30000	75000
0.25	0.33	5700	2.0	4461	BK80G40-../DPE08MA4	347	30000	75000
0.25	0.29	6700	1.7	5032	BK80G40-../DPE08MA4	347	30000	75000
0.25	0.25	8000	1.45	5865	BK80G40-../DPE08MA4	347	30000	75000
0.25	0.21	9900	1.15	6893	BK80G40-../DPE08MA4	347	30000	75000
0.25	0.19	11100	1.05	7652	BK80G40-../DPE08MA4	347	30000	75000
0.25	0.3	5800	3.2	4952	BK90G50-../DPE08MA4	620	49400	120000
0.25	0.27	6700	2.8	5491	BK90G50-../DPE08MA4	620	49400	120000
0.25	0.23	8200	2.3	6335	BK90G50-../DPE08MA4	620	49400	120000
0.25	0.21	9200	2.0	7022	BK90G50-../DPE08MA4	620	49400	120000
0.25	0.19	10400	1.8	7862	BK90G50-../DPE08MA4	620	49400	120000
0.25	0.15	13800	1.35	9935	BK90G50-../DPE08MA4	620	49400	120000

0.37 kW

P _N	50 Hz			i	Type	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
0.37	200	16.2	4.5	7.25	BK06-../DPE08LA4	16	800	-
0.37	149	21.5	3.7	9.71	BK06-../DPE08LA4	16	880	-
0.37	124	26	3.1	11.67	BK06-../DPE08LA4	16	930	-
0.37	95	33.5	2.4	15.29	BK06-../DPE08LA4	16	1020	-
0.37	81	39	2.1	18.00	BK06-../DPE08LA4	16	1080	-
0.37	68	46.5	1.7	21.54	BK06-../DPE08LA4	16	1150	-

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

BK-series bevel geared motors

Selection - bevel geared motors DPE - IE3

0.37 kW

P _N	50 Hz			i	Type	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
0.37	55	57	1.4	26.36	BK06-../DPE08LA4	16	1230	-
0.37	43.5	73	1.1	33.33	BK06-../DPE08LA4	16	1320	-
0.37	38	83	0.96	38.18	BK06-../DPE08LA4	16	1380	-
0.37	51	62	3.2	28.76	BK10-../DPE08LA4	28	5200	-
0.37	42.5	74	2.7	34.25	BK10-../DPE08LA4	28	5600	-
0.37	35.5	89	2.2	40.79	BK10-../DPE08LA4	28	6000	-
0.37	30	104	1.9	48.96	BK10-../DPE08LA4	28	6400	-
0.37	23.5	133	1.5	61.68	BK10-../DPE08LA4	28	7000	-
0.37	20	155	1.3	72.31	BK10-../DPE08LA4	28	7000	-
0.37	16.5	186	0.96	89.30	BK10-../DPE08LA4	28	7000	-
0.37	28.5	110	3.0	51.22	BK20-../DPE08LA4	38	6300	9000
0.37	24	131	2.5	61.30	BK20-../DPE08LA4	38	6500	9000
0.37	19	163	2.0	76.79	BK20-../DPE08LA4	38	7500	9000
0.37	16.5	186	1.75	88.12	BK20-../DPE08LA4	38	8000	9000
0.37	13.5	225	1.4	108.6	BK20-../DPE08LA4	38	8700	9000
0.37	12	250	1.3	124.2	BK20Z-../DPE08LA4	40	8700	9000
0.37	10	295	1.1	144.5	BK20Z-../DPE08LA4	40	8700	9000
0.37	8.4	345	0.96	173.4	BK20Z-../DPE08LA4	40	8700	9000
0.37	7.0	410	0.8	207.5	BK20Z-../DPE08LA4	40	8700	9000
0.37	20.5	149	3.0	71.56	BK30-../DPE08LA4	44	9700	12000
0.37	16.5	184	2.4	88.38	BK30-../DPE08LA4	44	10600	12000
0.37	14.5	205	2.2	102.4	BK30-../DPE08LA4	44	11200	12000
0.37	12	250	1.8	123.9	BK30Z-../DPE08LA4	46	11200	12000
0.37	10	295	1.55	145.1	BK30Z-../DPE08LA4	46	11200	12000
0.37	7.9	370	1.2	184.8	BK30Z-../DPE08LA4	46	11200	12000
0.37	6.7	430	1.05	216.5	BK30Z-../DPE08LA4	46	11200	12000
0.37	5.7	500	0.9	255.3	BK30Z-../DPE08LA4	46	11200	12000
0.37	12.5	240	3.3	118.2	BK40Z-../DPE08LA4	69	11700	17000
0.37	10.5	280	2.8	143.0	BK40Z-../DPE08LA4	69	11700	17000
0.37	8.6	340	2.3	169.0	BK40Z-../DPE08LA4	69	11700	17000
0.37	6.9	415	1.9	211.5	BK40Z-../DPE08LA4	69	11700	17000
0.37	5.9	485	1.6	246.6	BK40Z-../DPE08LA4	69	11700	17000
0.37	5.0	570	1.2	289.8	BK40Z-../DPE08LA4	69	11700	17000
0.37	4.2	680	0.85	348.7	BK40Z-../DPE08LA4	69	11700	17000
0.37	3.0	870	0.98	487.3	BK40G10-../DPE08LA4	73	11700	17000
0.37	2.7	960	0.89	540.0	BK40G10-../DPE08LA4	73	11700	17000
0.37	7.0	410	2.6	206.8	BK50Z-../DPE08LA4	98	14100	26000
0.37	5.5	520	2.0	264.5	BK50Z-../DPE08LA4	98	14100	26000
0.37	4.5	630	1.6	328.2	BK50Z-../DPE08LA4	98	14100	26000
0.37	3.5	800	1.05	414.8	BK50Z-../DPE08LA4	98	14100	26000
0.37	3.2	820	1.4	465.1	BK50G10-../DPE08LA4	102	14100	111000
0.37	2.9	900	1.3	513.4	BK50G10-../DPE08LA4	102	14100	111000
0.37	2.6	1010	1.15	568.6	BK50G10-../DPE08LA4	102	14100	111000
0.37	2.3	1140	1.0	651.7	BK50G10-../DPE08LA4	102	14100	111000
0.37	2.1	1250	0.92	722.2	BK50G10-../DPE08LA4	102	14100	111000
0.37	4.6	760	3.0	317.7	BK60Z-../DPE08LA4	120	16600	34000
0.37	4.1	860	2.7	355.5	BK60Z-../DPE08LA4	120	16600	34000
0.37	3.6	980	2.3	411.5	BK60Z-../DPE08LA4	120	16600	34000
0.37	3.2	1100	2.1	460.4	BK60Z-../DPE08LA4	120	16600	34000
0.37	3.0	1170	1.95	498.0	BK60Z-../DPE08LA4	120	16600	34000
0.37	2.6	1350	1.7	557.2	BK60Z-../DPE08LA4	120	16600	34000
0.37	2.4	1210	2.1	621.5	BK60G20-../DPE08LA4	128	16600	34000
0.37	2.0	1450	1.7	752.1	BK60G20-../DPE08LA4	128	16600	34000
0.37	1.7	1740	1.45	887.8	BK60G20-../DPE08LA4	128	16600	34000
0.37	1.5	2050	1.2	1016	BK60G20-../DPE08LA4	128	16600	34000
0.37	1.1	2850	0.88	1322	BK60G20-../DPE08LA4	128	16600	34000
0.37	2.0	1760	3.0	733.6	BK70Z-../DPE08LA4	208	24100	50000
0.37	1.5	1950	2.9	964.6	BK70G20-../DPE08LA4	206	24100	50000
0.37	1.3	2250	2.5	1139	BK70G20-../DPE08LA4	206	24100	50000
0.37	1.2	2550	2.2	1280	BK70G20-../DPE08LA4	206	24100	50000
0.37	1.0	3100	1.85	1457	BK70G20-../DPE08LA4	206	24100	50000
0.37	0.9	3450	1.65	1696	BK70G20-../DPE08LA4	206	24100	50000
0.37	0.75	4150	1.35	2040	BK70G20-../DPE08LA4	206	24100	50000

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

BK-series bevel geared motors

Selection - bevel geared motors DPE - IE3

0.37 kW

P _N	50 Hz			i	Type	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
0.37	0.6	5200	1.1	2578	BK70G20-../DPE08LA4	206	24100	50000
0.37	0.7	3600	3.2	2205	BK80G40-../DPE08LA4	348	30000	75000
0.37	0.6	4400	2.6	2449	BK80G40-../DPE08LA4	348	30000	75000
0.37	0.55	4950	2.3	2811	BK80G40-../DPE08LA4	348	30000	75000
0.37	0.47	6000	1.9	3120	BK80G40-../DPE08LA4	348	30000	75000
0.37	0.39	7600	1.5	3776	BK80G40-../DPE08LA4	348	30000	75000
0.37	0.33	9200	1.25	4461	BK80G40-../DPE08LA4	348	30000	75000
0.37	0.29	10700	1.05	5032	BK80G40-../DPE08LA4	348	30000	75000
0.37	0.4	6700	2.8	3672	BK90G50-../DPE08LA4	621	49400	120000
0.37	0.36	7700	2.4	4070	BK90G50-../DPE08LA4	621	49400	120000
0.37	0.3	9600	1.95	4952	BK90G50-../DPE08LA4	621	49400	120000
0.37	0.27	10900	1.7	5491	BK90G50-../DPE08LA4	621	49400	120000
0.37	0.23	13200	1.4	6335	BK90G50-../DPE08LA4	621	49400	120000
0.37	0.21	14700	1.25	7022	BK90G50-../DPE08LA4	621	49400	120000
0.37	0.19	16400	1.15	7862	BK90G50-../DPE08LA4	621	49400	120000

0.55 kW

P _N	50 Hz			i	Type	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
0.55	198	24	3.0	7.25	BK06-../DPE08XA4	18	800	-
0.55	148	32.5	2.5	9.71	BK06-../DPE08XA4	18	880	-
0.55	123	39	2.1	11.67	BK06-../DPE08XA4	18	930	-
0.55	94	50	1.6	15.29	BK06-../DPE08XA4	18	1020	-
0.55	80	59	1.35	18.00	BK06-../DPE08XA4	18	1080	-
0.55	67	70	1.15	21.54	BK06-../DPE08XA4	18	1150	-
0.55	55	85	0.94	26.36	BK06-../DPE08XA4	18	1230	-
0.55	120	40	2.9	11.93	BK10-../DPE08XA4	30	3100	-
0.55	85	55	2.5	16.92	BK10-../DPE08XA4	30	3700	-
0.55	78	60	3.3	18.52	BK10-../DPE08XA4	30	4300	-
0.55	64	73	2.7	22.65	BK10-../DPE08XA4	30	4650	-
0.55	50	94	2.1	28.76	BK10-../DPE08XA4	30	5200	-
0.55	42	112	1.8	34.25	BK10-../DPE08XA4	30	5600	-
0.55	35.5	133	1.5	40.79	BK10-../DPE08XA4	30	6000	-
0.55	29.5	158	1.25	48.96	BK10-../DPE08XA4	30	6400	-
0.55	23.5	198	1.0	61.68	BK10-../DPE08XA4	30	7000	-
0.55	20	230	0.87	72.31	BK10-../DPE08XA4	30	7000	-
0.55	39	121	2.7	36.69	BK20-../DPE08XA4	39	5400	9000
0.55	33.5	141	2.3	42.70	BK20-../DPE08XA4	39	5800	9000
0.55	28	166	2.0	51.22	BK20-../DPE08XA4	39	6300	9000
0.55	23.5	198	1.65	61.30	BK20-../DPE08XA4	39	6500	9000
0.55	19	240	1.4	76.79	BK20-../DPE08XA4	39	7500	9000
0.55	16.5	275	1.2	88.12	BK20-../DPE08XA4	39	8000	9000
0.55	13.5	330	0.95	108.6	BK20-../DPE08XA4	39	8700	9000
0.55	12	370	0.89	124.2	BK20Z-../DPE08XA4	41	8700	9000
0.55	33.5	139	3.2	42.89	BK30-../DPE08XA4	45	7800	12000
0.55	28.5	162	2.8	50.27	BK30-../DPE08XA4	45	8300	12000
0.55	24.5	188	2.4	59.27	BK30-../DPE08XA4	45	8900	12000
0.55	20	225	2.0	71.56	BK30-../DPE08XA4	45	9700	12000
0.55	16.5	270	1.65	88.38	BK30-../DPE08XA4	45	10600	12000
0.55	14	315	1.45	102.4	BK30-../DPE08XA4	45	11200	12000
0.55	12	370	1.2	123.9	BK30Z-../DPE08XA4	48	11200	12000
0.55	9.9	445	1.0	145.1	BK30Z-../DPE08XA4	48	11200	12000
0.55	7.8	550	0.82	184.8	BK30Z-../DPE08XA4	48	11200	12000
0.55	17	265	2.9	84.36	BK40-../DPE08XA4	65	10700	17000
0.55	14	315	2.5	104.0	BK40-../DPE08XA4	65	11700	17000
0.55	12.5	355	2.2	118.2	BK40Z-../DPE08XA4	70	11700	17000
0.55	10	440	1.75	143.0	BK40Z-../DPE08XA4	70	11700	17000
0.55	8.5	510	1.55	169.0	BK40Z-../DPE08XA4	70	11700	17000

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

BK-series bevel geared motors

Selection - bevel geared motors DPE - IE3

0.55 kW

P _N	50 Hz			i	Type	m		
	n ₂	M ₂	f _B					
[kW]	[1/min]	[Nm]	[-]	[:1]		[kg]	[N]	[N]
0.55	6.8	630	1.25	211.5	BK40Z-../DPE08XA4	70	11700	17000
0.55	5.8	730	1.05	246.6	BK40Z-../DPE08XA4	70	11700	17000
0.55	5.0	850	0.81	289.8	BK40Z-../DPE08XA4	70	11700	17000
0.55	12.5	355	3.0	115.4	BK50Z-../DPE08XA4	98	14100	26000
0.55	9.4	460	2.3	153.3	BK50Z-../DPE08XA4	98	14100	26000
0.55	7.0	610	1.7	206.8	BK50Z-../DPE08XA4	98	14100	26000
0.55	5.5	770	1.35	264.5	BK50Z-../DPE08XA4	98	14100	26000
0.55	4.4	960	1.05	328.2	BK50Z-../DPE08XA4	98	14100	26000
0.55	3.1	1290	0.89	465.1	BK50G10-../DPE08XA4	103	14100	111000
0.55	2.8	1420	0.81	513.4	BK50G10-../DPE08XA4	103	14100	111000
0.55	7.0	750	3.1	205.0	BK60Z-../DPE08XA4	121	16600	34000
0.55	6.0	870	2.6	239.7	BK60Z-../DPE08XA4	121	16600	34000
0.55	5.4	970	2.4	268.2	BK60Z-../DPE08XA4	121	16600	34000
0.55	4.6	1140	2.0	317.7	BK60Z-../DPE08XA4	121	16600	34000
0.55	4.1	1280	1.8	355.5	BK60Z-../DPE08XA4	121	16600	34000
0.55	3.5	1500	1.55	411.5	BK60Z-../DPE08XA4	121	16600	34000
0.55	3.2	1640	1.4	460.4	BK60Z-../DPE08XA4	121	16600	34000
0.55	2.9	1810	1.25	498.0	BK60Z-../DPE08XA4	121	16600	34000
0.55	2.6	2000	1.15	557.2	BK60Z-../DPE08XA4	121	16600	34000
0.55	2.4	1920	1.3	621.5	BK60G20-../DPE08XA4	129	16600	34000
0.55	2.0	2300	1.1	752.1	BK60G20-../DPE08XA4	129	16600	34000
0.55	1.7	2750	0.91	887.8	BK60G20-../DPE08XA4	129	16600	34000
0.55	2.9	1810	2.9	501.8	BK70Z-../DPE08XA4	210	24100	50000
0.55	2.6	2000	2.6	570.8	BK70Z-../DPE08XA4	210	24100	50000
0.55	2.3	2250	2.3	644.9	BK70Z-../DPE08XA4	210	24100	50000
0.55	2.0	2600	2.0	733.6	BK70Z-../DPE08XA4	210	24100	50000
0.55	1.7	2700	2.1	847.7	BK70G20-../DPE08XA4	207	24100	50000
0.55	1.5	3050	1.85	964.6	BK70G20-../DPE08XA4	207	24100	50000
0.55	1.3	3600	1.6	1139	BK70G20-../DPE08XA4	207	24100	50000
0.55	1.2	4000	1.45	1280	BK70G20-../DPE08XA4	207	24100	50000
0.55	1.0	4800	1.2	1457	BK70G20-../DPE08XA4	207	24100	50000
0.55	1.1	3550	3.2	1425	BK80G40-../DPE08XA4	349	30000	75000
0.55	0.95	4300	2.7	1583	BK80G40-../DPE08XA4	349	30000	75000
0.55	0.85	4850	2.4	1775	BK80G40-../DPE08XA4	349	30000	75000
0.55	0.65	6600	1.75	2205	BK80G40-../DPE08XA4	349	30000	75000
0.55	0.6	7300	1.6	2449	BK80G40-../DPE08XA4	349	30000	75000
0.55	0.55	8000	1.45	2811	BK80G40-../DPE08XA4	349	30000	75000
0.55	0.46	9900	1.15	3120	BK80G40-../DPE08XA4	349	30000	75000
0.55	0.55	7400	2.5	2764	BK90G50-../DPE08XA4	622	49400	120000
0.55	0.47	9000	2.1	3065	BK90G50-../DPE08XA4	622	49400	120000
0.55	0.39	11300	1.65	3672	BK90G50-../DPE08XA4	622	49400	120000
0.55	0.36	12400	1.5	4070	BK90G50-../DPE08XA4	622	49400	120000
0.55	0.29	16000	1.15	4952	BK90G50-../DPE08XA4	622	49400	120000
0.55	0.27	17300	1.05	5491	BK90G50-../DPE08XA4	622	49400	120000

0.75 kW

P _N	50 Hz			i	Type	m		
	n ₂	M ₂	f _B					
[kW]	[1/min]	[Nm]	[-]	[:1]		[kg]	[N]	[N]
0.75	197	33	2.2	7.25	BK06-../DPE08XB4	18	800	-
0.75	147	44.5	1.8	9.71	BK06-../DPE08XB4	18	880	-
0.75	123	53	1.5	11.67	BK06-../DPE08XB4	18	930	-
0.75	94	69	1.15	15.29	BK06-../DPE08XB4	18	1020	-
0.75	80	80	1.0	18.00	BK06-../DPE08XB4	18	1080	-
0.75	67	96	0.83	21.54	BK06-../DPE08XB4	18	1150	-
0.75	186	35	3.3	7.68	BK10-../DPE08XB4	30	2400	-
0.75	152	43	2.7	9.40	BK10-../DPE08XB4	30	2700	-
0.75	120	54	2.1	11.93	BK10-../DPE08XB4	30	3100	-
0.75	99	65	3.1	14.50	BK10-../DPE08XB4	30	3900	-

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

BK-series bevel geared motors

Selection - bevel geared motors DPE - IE3

0.75 kW

P _N	50 Hz			i	Type	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
0.75	85	75	1.8	16.92	BK10-../DPE08XB4	30	3700	-
0.75	77	83	2.4	18.52	BK10-../DPE08XB4	30	4300	-
0.75	63	102	1.95	22.65	BK10-../DPE08XB4	30	4650	-
0.75	50	128	1.55	28.76	BK10-../DPE08XB4	30	5200	-
0.75	42	153	1.3	34.25	BK10-../DPE08XB4	30	5600	-
0.75	35	184	1.1	40.79	BK10-../DPE08XB4	30	6000	-
0.75	29.5	215	0.93	48.96	BK10-../DPE08XB4	30	6400	-
0.75	82	79	2.9	17.42	BK20-../DPE08XB4	39	3250	9000
0.75	59	109	3.0	24.29	BK20-../DPE08XB4	39	4500	9000
0.75	50	128	2.6	28.66	BK20-../DPE08XB4	39	4850	9000
0.75	39	165	2.0	36.69	BK20-../DPE08XB4	39	5400	9000
0.75	33.5	192	1.7	42.70	BK20-../DPE08XB4	39	5800	9000
0.75	28	225	1.45	51.22	BK20-../DPE08XB4	39	6300	9000
0.75	23.5	270	1.2	61.30	BK20-../DPE08XB4	39	6500	9000
0.75	19	330	1.0	76.79	BK20-../DPE08XB4	39	7500	9000
0.75	16.5	375	0.88	88.12	BK20-../DPE08XB4	39	8000	9000
0.75	42.5	151	3.0	33.70	BK30-../DPE08XB4	45	7000	12000
0.75	33.5	190	2.4	42.89	BK30-../DPE08XB4	45	7800	12000
0.75	28.5	220	2.0	50.27	BK30-../DPE08XB4	45	8300	12000
0.75	24.5	255	1.75	59.27	BK30-../DPE08XB4	45	8900	12000
0.75	20	310	1.45	71.56	BK30-../DPE08XB4	45	9700	12000
0.75	16.5	370	1.2	88.38	BK30-../DPE08XB4	45	10600	12000
0.75	14	430	1.05	102.4	BK30-../DPE08XB4	45	11200	12000
0.75	12	500	0.9	123.9	BK30Z-../DPE08XB4	48	11200	12000
0.75	24	260	3.0	59.66	BK40-../DPE08XB4	66	9100	17000
0.75	20.5	300	2.6	70.11	BK40-../DPE08XB4	66	9800	17000
0.75	17	365	2.1	84.36	BK40-../DPE08XB4	66	10700	17000
0.75	14	430	1.8	104.0	BK40-../DPE08XB4	66	11700	17000
0.75	12.5	485	1.6	118.2	BK40Z-../DPE08XB4	70	11700	17000
0.75	10	600	1.3	143.0	BK40Z-../DPE08XB4	70	11700	17000
0.75	8.5	690	1.15	169.0	BK40Z-../DPE08XB4	70	11700	17000
0.75	6.8	860	0.91	211.5	BK40Z-../DPE08XB4	70	11700	17000
0.75	19	325	3.2	75.40	BK50-../DPE08XB4	94	12600	26000
0.75	15	410	2.6	95.29	BK50-../DPE08XB4	94	14100	26000
0.75	12.5	485	2.2	115.4	BK50Z-../DPE08XB4	99	14100	26000
0.75	9.3	630	1.65	153.3	BK50Z-../DPE08XB4	99	14100	26000
0.75	6.9	850	1.25	206.8	BK50Z-../DPE08XB4	99	14100	26000
0.75	5.4	1070	0.98	264.5	BK50Z-../DPE08XB4	99	14100	26000
0.75	9.3	770	3.0	153.7	BK60Z-../DPE08XB4	122	16600	34000
0.75	7.8	910	2.5	183.2	BK60Z-../DPE08XB4	122	16600	34000
0.75	7.0	1020	2.3	205.0	BK60Z-../DPE08XB4	122	16600	34000
0.75	6.0	1190	1.95	239.7	BK60Z-../DPE08XB4	122	16600	34000
0.75	5.4	1320	1.75	268.2	BK60Z-../DPE08XB4	122	16600	34000
0.75	4.5	1590	1.45	317.7	BK60Z-../DPE08XB4	122	16600	34000
0.75	4.1	1740	1.3	355.5	BK60Z-../DPE08XB4	122	16600	34000
0.75	3.5	2000	1.15	411.5	BK60Z-../DPE08XB4	122	16600	34000
0.75	3.1	2300	1.0	460.4	BK60Z-../DPE08XB4	122	16600	34000
0.75	2.9	2450	0.94	498.0	BK60Z-../DPE08XB4	122	16600	34000
0.75	2.6	2750	0.84	557.2	BK60Z-../DPE08XB4	122	16600	34000
0.75	2.3	2850	0.88	621.5	BK60G20-../DPE08XB4	129	16600	34000
0.75	4.3	1660	3.1	333.6	BK70Z-../DPE08XB4	210	24100	50000
0.75	3.8	1880	2.8	379.9	BK70Z-../DPE08XB4	210	24100	50000
0.75	3.3	2150	2.4	432.1	BK70Z-../DPE08XB4	210	24100	50000
0.75	2.9	2450	2.1	501.8	BK70Z-../DPE08XB4	210	24100	50000
0.75	2.5	2850	1.8	570.8	BK70Z-../DPE08XB4	210	24100	50000
0.75	2.3	3100	1.7	644.9	BK70Z-../DPE08XB4	210	24100	50000
0.75	2.0	3550	1.45	733.6	BK70Z-../DPE08XB4	210	24100	50000
0.75	1.7	3850	1.5	847.7	BK70G20-../DPE08XB4	208	24100	50000
0.75	1.5	4350	1.3	964.6	BK70G20-../DPE08XB4	208	24100	50000
0.75	1.3	5000	1.15	1139	BK70G20-../DPE08XB4	208	24100	50000
0.75	1.2	5500	1.05	1280	BK70G20-../DPE08XB4	208	24100	50000
0.75	1.0	6700	0.85	1457	BK70G20-../DPE08XB4	208	24100	50000
0.75	1.5	3850	3.0	963.0	BK80G40-../DPE08XB4	350	30000	75000

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

BK-series bevel geared motors

Selection - bevel geared motors DPE - IE3

0.75 kW

P _N	50 Hz			i	Type	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
0.75	1.4	4100	2.8	1079	BK80G40-../DPE08XB4	350	30000	75000
0.75	1.1	5400	2.1	1307	BK80G40-../DPE08XB4	350	30000	75000
0.75	1.0	5900	1.95	1425	BK80G40-../DPE08XB4	350	30000	75000
0.75	0.95	6300	1.85	1583	BK80G40-../DPE08XB4	350	30000	75000
0.75	0.85	7100	1.6	1775	BK80G40-../DPE08XB4	350	30000	75000
0.75	0.65	9600	1.2	2205	BK80G40-../DPE08XB4	350	30000	75000
0.75	0.6	10400	1.1	2449	BK80G40-../DPE08XB4	350	30000	75000
0.75	0.95	6000	3.1	1579	BK90G50-../DPE08XB4	622	49400	120000
0.75	0.8	7200	2.6	1803	BK90G50-../DPE08XB4	622	49400	120000
0.75	0.75	7600	2.4	2016	BK90G50-../DPE08XB4	622	49400	120000
0.75	0.55	10900	1.7	2764	BK90G50-../DPE08XB4	622	49400	120000
0.75	0.47	13100	1.4	3065	BK90G50-../DPE08XB4	622	49400	120000
0.75	0.39	16200	1.15	3672	BK90G50-../DPE08XB4	622	49400	120000
0.75	0.36	17700	1.05	4070	BK90G50-../DPE08XB4	622	49400	120000

1.1 kW

P _N	50 Hz			i	Type	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
1.1	325	29.5	3.2	4.44	BK10-../DPE09XA4	40	1900	-
1.1	240	40	2.6	6.02	BK10-../DPE09XA4	40	2100	-
1.1	188	51	2.3	7.68	BK10-../DPE09XA4	40	2400	-
1.1	154	62	1.85	9.40	BK10-../DPE09XA4	40	2700	-
1.1	135	70	2.6	10.70	BK10-../DPE09XA4	40	3500	-
1.1	121	79	1.45	11.93	BK10-../DPE09XA4	40	3100	-
1.1	100	94	2.1	14.50	BK10-../DPE09XA4	40	3900	-
1.1	86	109	1.25	16.92	BK10-../DPE09XA4	40	3700	-
1.1	78	121	1.65	18.52	BK10-../DPE09XA4	40	4300	-
1.1	64	147	1.35	22.65	BK10-../DPE09XA4	40	4650	-
1.1	51	185	1.1	28.76	BK10-../DPE09XA4	40	5200	-
1.1	42.5	220	0.91	34.25	BK10-../DPE09XA4	40	5600	-
1.1	124	77	3.0	11.69	BK20-../DPE09XA4	50	2400	8800
1.1	83	115	2.0	17.42	BK20-../DPE09XA4	50	3250	9000
1.1	75	126	2.6	19.39	BK20-../DPE09XA4	50	4050	9000
1.1	60	157	2.1	24.29	BK20-../DPE09XA4	50	4500	9000
1.1	51	185	1.8	28.66	BK20-../DPE09XA4	50	4850	9000
1.1	39.5	235	1.4	36.69	BK20-../DPE09XA4	50	5400	9000
1.1	34	275	1.2	42.70	BK20-../DPE09XA4	50	5800	9000
1.1	28.5	325	1.0	51.22	BK20-../DPE09XA4	50	6300	9000
1.1	23.5	395	0.84	61.30	BK20-../DPE09XA4	50	6500	9000
1.1	70	136	2.4	20.85	BK30-../DPE09XA4	56	5000	12000
1.1	63	150	3.0	23.20	BK30-../DPE09XA4	56	5900	12000
1.1	51	185	2.4	28.76	BK30-../DPE09XA4	56	6500	12000
1.1	43	215	2.1	33.70	BK30-../DPE09XA4	56	7000	12000
1.1	34	270	1.65	42.89	BK30-../DPE09XA4	56	7800	12000
1.1	29	315	1.45	50.27	BK30-../DPE09XA4	56	8300	12000
1.1	24.5	375	1.2	59.27	BK30-../DPE09XA4	56	8900	12000
1.1	20.5	445	1.0	71.56	BK30-../DPE09XA4	56	9700	12000
1.1	16.5	540	0.83	88.38	BK30-../DPE09XA4	56	10600	12000
1.1	35.5	265	2.9	40.88	BK40-../DPE09XA4	76	7600	17000
1.1	28.5	320	2.4	51.18	BK40-../DPE09XA4	76	8400	17000
1.1	24.5	375	2.1	59.66	BK40-../DPE09XA4	76	9100	17000
1.1	21	435	1.8	70.11	BK40-../DPE09XA4	76	9800	17000
1.1	17.5	520	1.5	84.36	BK40-../DPE09XA4	76	10700	17000
1.1	14	630	1.25	104.0	BK40-../DPE09XA4	76	11700	17000
1.1	12.5	710	1.1	118.2	BK40Z-../DPE09XA4	80	11700	17000
1.1	10.5	840	0.93	143.0	BK40Z-../DPE09XA4	80	11700	17000
1.1	24	385	2.7	60.76	BK50-../DPE09XA4	104	11400	26000
1.1	19.5	465	2.3	75.40	BK50-../DPE09XA4	104	12600	26000
1.1	15.5	580	1.8	95.29	BK50-../DPE09XA4	104	14100	26000

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

BK-series bevel geared motors

Selection - bevel geared motors DPE - IE3

1.1 kW

P _N	50 Hz			i	Type	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
1.1	12.5	710	1.5	115.4	BK50Z-../DPE09XA4	109	14100	26000
1.1	9.4	920	1.15	153.3	BK50Z-../DPE09XA4	109	14100	26000
1.1	7.0	1230	0.85	206.8	BK50Z-../DPE09XA4	109	14100	26000
1.1	14.5	720	3.2	101.2	BK60-../DPE09XA4	113	13900	34000
1.1	13	800	2.9	113.2	BK60-../DPE09XA4	113	15000	34000
1.1	12	870	2.6	122.5	BK60-../DPE09XA4	113	15500	34000
1.1	11	950	2.4	137.0	BK60-../DPE09XA4	113	16600	34000
1.1	9.4	1110	2.1	153.7	BK60Z-../DPE09XA4	132	16600	34000
1.1	7.9	1320	1.75	183.2	BK60Z-../DPE09XA4	132	16600	34000
1.1	7.1	1470	1.55	205.0	BK60Z-../DPE09XA4	132	16600	34000
1.1	6.1	1720	1.35	239.7	BK60Z-../DPE09XA4	132	16600	34000
1.1	5.4	1940	1.2	268.2	BK60Z-../DPE09XA4	132	16600	34000
1.1	4.6	2250	1.0	317.7	BK60Z-../DPE09XA4	132	16600	34000
1.1	4.1	2550	0.9	355.5	BK60Z-../DPE09XA4	132	16600	34000
1.1	6.4	1640	3.2	226.2	BK70Z-../DPE09XA4	220	24100	50000
1.1	5.6	1870	2.8	257.3	BK70Z-../DPE09XA4	220	24100	50000
1.1	5.0	2100	2.5	293.3	BK70Z-../DPE09XA4	220	24100	50000
1.1	4.4	2350	2.2	333.6	BK70Z-../DPE09XA4	220	24100	50000
1.1	3.8	2750	1.9	379.9	BK70Z-../DPE09XA4	220	24100	50000
1.1	3.4	3050	1.7	432.1	BK70Z-../DPE09XA4	220	24100	50000
1.1	2.9	3600	1.45	501.8	BK70Z-../DPE09XA4	220	24100	50000
1.1	2.6	4000	1.3	570.8	BK70Z-../DPE09XA4	220	24100	50000
1.1	2.3	4550	1.15	644.9	BK70Z-../DPE09XA4	220	24100	50000
1.1	2.0	5200	1.0	733.6	BK70Z-../DPE09XA4	220	24100	50000
1.1	1.7	5800	0.98	847.7	BK70G20-../DPE09XA4	218	24100	50000
1.1	1.5	6500	0.88	964.6	BK70G20-../DPE09XA4	218	24100	50000
1.1	2.9	3600	3.2	499.5	BK80Z-../DPE09XA4	349	30000	75000
1.1	2.6	4000	2.9	559.5	BK80Z-../DPE09XA4	349	30000	75000
1.1	2.4	3600	3.2	607.8	BK80G40-../DPE09XA4	360	30000	75000
1.1	2.2	3900	2.9	680.9	BK80G40-../DPE09XA4	360	30000	75000
1.1	2.0	4400	2.6	756.3	BK80G40-../DPE09XA4	360	30000	75000
1.1	1.7	5200	2.2	847.2	BK80G40-../DPE09XA4	360	30000	75000
1.1	1.5	6100	1.9	963.0	BK80G40-../DPE09XA4	360	30000	75000
1.1	1.4	6400	1.8	1079	BK80G40-../DPE09XA4	360	30000	75000
1.1	1.2	7700	1.5	1307	BK80G40-../DPE09XA4	360	30000	75000
1.1	1.1	8300	1.4	1425	BK80G40-../DPE09XA4	360	30000	75000
1.1	0.95	9800	1.15	1583	BK80G40-../DPE09XA4	360	30000	75000
1.1	0.85	11000	1.05	1775	BK80G40-../DPE09XA4	360	30000	75000
1.1	1.5	5600	3.3	1008	BK90G50-../DPE09XA4	633	49400	120000
1.1	1.3	6500	2.8	1127	BK90G50-../DPE09XA4	633	49400	120000
1.1	1.1	8300	2.2	1363	BK90G50-../DPE09XA4	633	49400	120000
1.1	0.95	9500	1.95	1579	BK90G50-../DPE09XA4	633	49400	120000
1.1	0.8	11400	1.6	1803	BK90G50-../DPE09XA4	633	49400	120000
1.1	0.75	12000	1.55	2016	BK90G50-../DPE09XA4	633	49400	120000
1.1	0.55	16900	1.1	2764	BK90G50-../DPE09XA4	633	49400	120000

1.5 kW

P _N	50 Hz			i	Type	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
1.5	325	40.5	2.3	4.44	BK10-../DPE09XB4	40	1900	-
1.5	240	54	1.95	6.02	BK10-../DPE09XB4	40	2100	-
1.5	187	70	1.65	7.68	BK10-../DPE09XB4	40	2400	-
1.5	153	86	1.35	9.40	BK10-../DPE09XB4	40	2700	-
1.5	135	95	1.9	10.70	BK10-../DPE09XB4	40	3500	-
1.5	121	108	1.05	11.93	BK10-../DPE09XB4	40	3100	-
1.5	99	130	1.55	14.50	BK10-../DPE09XB4	40	3900	-
1.5	85	151	0.9	16.92	BK10-../DPE09XB4	40	3700	-
1.5	78	165	1.2	18.52	BK10-../DPE09XB4	40	4300	-
1.5	64	200	1.0	22.65	BK10-../DPE09XB4	40	4650	-

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

BK-series bevel geared motors

Selection - bevel geared motors DPE - IE3

1.5 kW

P _N	50 Hz			i	Type	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
1.5	182	72	3.2	7.91	BK20-../DPE09XB4	50	1330	7600
1.5	145	90	2.6	9.91	BK20-../DPE09XB4	50	1910	8300
1.5	129	99	3.0	11.14	BK20-../DPE09XB4	50	3300	8100
1.5	123	107	2.2	11.69	BK20-../DPE09XB4	50	2400	8800
1.5	98	131	2.5	14.75	BK20-../DPE09XB4	50	3650	9000
1.5	83	157	1.45	17.42	BK20-../DPE09XB4	50	3250	9000
1.5	75	171	1.95	19.39	BK20-../DPE09XB4	50	4050	9000
1.5	60	210	1.55	24.29	BK20-../DPE09XB4	50	4500	9000
1.5	51	250	1.3	28.66	BK20-../DPE09XB4	50	4850	9000
1.5	39.5	325	1.0	36.69	BK20-../DPE09XB4	50	5400	9000
1.5	34	375	0.88	42.70	BK20-../DPE09XB4	50	5800	9000
1.5	121	108	3.0	11.93	BK30-../DPE09XB4	56	3650	12000
1.5	103	126	2.5	13.98	BK30-../DPE09XB4	56	4050	12000
1.5	80	161	2.8	17.95	BK30-../DPE09XB4	56	5300	12000
1.5	69	188	1.7	20.85	BK30-../DPE09XB4	56	5000	12000
1.5	62	205	2.2	23.20	BK30-../DPE09XB4	56	5900	12000
1.5	50	255	1.75	28.76	BK30-../DPE09XB4	56	6500	12000
1.5	43	295	1.55	33.70	BK30-../DPE09XB4	56	7000	12000
1.5	33.5	380	1.2	42.89	BK30-../DPE09XB4	56	7800	12000
1.5	29	430	1.05	50.27	BK30-../DPE09XB4	56	8300	12000
1.5	24.5	510	0.88	59.27	BK30-../DPE09XB4	56	8900	12000
1.5	51	250	3.1	28.59	BK40-../DPE09XB4	76	6300	17000
1.5	41.5	310	2.5	34.61	BK40-../DPE09XB4	76	6900	17000
1.5	35.5	360	2.2	40.88	BK40-../DPE09XB4	76	7600	17000
1.5	28.5	440	1.75	51.18	BK40-../DPE09XB4	76	8400	17000
1.5	24.5	510	1.55	59.66	BK40-../DPE09XB4	76	9100	17000
1.5	20.5	600	1.3	70.11	BK40-../DPE09XB4	76	9800	17000
1.5	17.5	710	1.1	84.36	BK40-../DPE09XB4	76	10700	17000
1.5	14	860	0.91	104.0	BK40-../DPE09XB4	76	11700	17000
1.5	12.5	970	0.8	118.2	BK40Z-../DPE09XB4	80	11700	17000
1.5	30.5	415	2.5	47.50	BK50-../DPE09XB4	104	10100	25700
1.5	24	520	2.0	60.76	BK50-../DPE09XB4	104	11400	26000
1.5	19.5	630	1.65	75.40	BK50-../DPE09XB4	104	12600	26000
1.5	15.5	790	1.35	95.29	BK50-../DPE09XB4	104	14100	26000
1.5	12.5	970	1.1	115.4	BK50Z-../DPE09XB4	109	14100	26000
1.5	9.4	1260	0.83	153.3	BK50Z-../DPE09XB4	109	14100	26000
1.5	18.5	770	3.0	78.13	BK60-../DPE09XB4	113	11900	34000
1.5	16.5	860	2.7	87.41	BK60-../DPE09XB4	113	12900	34000
1.5	14.5	980	2.3	101.2	BK60-../DPE09XB4	113	13900	34000
1.5	13	1100	2.1	113.2	BK60-../DPE09XB4	113	15000	34000
1.5	12	1190	1.95	122.5	BK60-../DPE09XB4	113	15500	34000
1.5	10.5	1360	1.7	137.0	BK60-../DPE09XB4	113	16600	34000
1.5	9.4	1520	1.5	153.7	BK60Z-../DPE09XB4	132	16600	34000
1.5	7.9	1810	1.25	183.2	BK60Z-../DPE09XB4	132	16600	34000
1.5	7.0	2000	1.15	205.0	BK60Z-../DPE09XB4	132	16600	34000
1.5	6.0	2350	0.98	239.7	BK60Z-../DPE09XB4	132	16600	34000
1.5	5.4	2650	0.87	268.2	BK60Z-../DPE09XB4	132	16600	34000
1.5	8.2	1740	3.0	175.7	BK70-../DPE09XB4	199	24100	50000
1.5	7.6	1880	2.8	190.4	BK70Z-../DPE09XB4	220	24100	50000
1.5	6.4	2200	2.4	226.2	BK70Z-../DPE09XB4	220	24100	50000
1.5	5.6	2550	2.0	257.3	BK70Z-../DPE09XB4	220	24100	50000
1.5	4.9	2900	1.8	293.3	BK70Z-../DPE09XB4	220	24100	50000
1.5	4.4	3250	1.6	333.6	BK70Z-../DPE09XB4	220	24100	50000
1.5	3.8	3750	1.4	379.9	BK70Z-../DPE09XB4	220	24100	50000
1.5	3.4	4200	1.25	432.1	BK70Z-../DPE09XB4	220	24100	50000
1.5	2.9	4900	1.05	501.8	BK70Z-../DPE09XB4	220	24100	50000
1.5	2.6	5500	0.95	570.8	BK70Z-../DPE09XB4	220	24100	50000
1.5	2.3	6200	0.84	644.9	BK70Z-../DPE09XB4	220	24100	50000
1.5	3.7	3850	3.0	389.0	BK80Z-../DPE09XB4	349	30000	75000
1.5	3.3	4300	2.7	435.7	BK80Z-../DPE09XB4	349	30000	75000
1.5	2.9	4900	2.3	499.5	BK80Z-../DPE09XB4	349	30000	75000
1.5	2.6	5500	2.1	559.5	BK80Z-../DPE09XB4	349	30000	75000
1.5	2.4	5200	2.2	607.8	BK80G40-../DPE09XB4	360	30000	75000

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

BK-series bevel geared motors

Selection - bevel geared motors DPE - IE3

1.5 kW

P _N	50 Hz			i	Type	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
1.5	2.2	5600	2.1	680.9	BK80G40-../DPE09XB4	360	30000	75000
1.5	1.9	6700	1.7	756.3	BK80G40-../DPE09XB4	360	30000	75000
1.5	1.7	7500	1.55	847.2	BK80G40-../DPE09XB4	360	30000	75000
1.5	1.5	8600	1.35	963.0	BK80G40-../DPE09XB4	360	30000	75000
1.5	1.4	9200	1.25	1079	BK80G40-../DPE09XB4	360	30000	75000
1.5	1.1	11800	0.97	1425	BK80G40-../DPE09XB4	360	30000	75000
1.5	2.3	6200	3.0	637.7	BK90Z-../DPE09XB4	622	49400	120000
1.5	2.1	6800	2.7	713.5	BK90Z-../DPE09XB4	622	49400	120000
1.5	1.8	6600	2.8	821.0	BK90G50-../DPE09XB4	633	49400	120000
1.5	1.7	7200	2.6	882.3	BK90G50-../DPE09XB4	633	49400	120000
1.5	1.5	8200	2.3	1008	BK90G50-../DPE09XB4	633	49400	120000
1.5	1.3	9500	1.95	1127	BK90G50-../DPE09XB4	633	49400	120000
1.5	1.1	11800	1.55	1363	BK90G50-../DPE09XB4	633	49400	120000
1.5	0.95	13500	1.35	1579	BK90G50-../DPE09XB4	633	49400	120000
1.5	0.8	16100	1.15	1803	BK90G50-../DPE09XB4	633	49400	120000
1.5	0.75	17100	1.1	2016	BK90G50-../DPE09XB4	633	49400	120000

2.2 kW

P _N	50 Hz			i	Type	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
2.2	330	58	1.65	4.44	BK10-../DPE09XB4C	40	1900	-
2.2	245	78	1.35	6.02	BK10-../DPE09XB4C	40	2100	-
2.2	189	102	1.15	7.68	BK10-../DPE09XB4C	40	2400	-
2.2	155	124	0.93	9.40	BK10-../DPE09XB4C	40	2700	-
2.2	136	139	1.3	10.70	BK10-../DPE09XB4C	40	3500	-
2.2	100	189	1.05	14.50	BK10-../DPE09XB4C	40	3900	-
2.2	79	235	0.85	18.52	BK10-../DPE09XB4C	40	4300	-
2.2	320	60	3.3	4.54	BK20-../DPE09XB4C	50	520	6100
2.2	245	78	2.8	6.02	BK20-../DPE09XB4C	50	580	6800
2.2	184	105	2.2	7.91	BK20-../DPE09XB4C	50	1330	7600
2.2	147	131	1.75	9.91	BK20-../DPE09XB4C	50	1910	8300
2.2	131	144	2.1	11.14	BK20-../DPE09XB4C	50	3300	8100
2.2	125	154	1.5	11.69	BK20-../DPE09XB4C	50	2400	8800
2.2	99	191	1.75	14.75	BK20-../DPE09XB4C	50	3650	9000
2.2	84	225	1.05	17.42	BK20-../DPE09XB4C	50	3250	9000
2.2	75	250	1.3	19.39	BK20-../DPE09XB4C	50	4050	9000
2.2	60	315	1.05	24.29	BK20-../DPE09XB4C	50	4500	9000
2.2	51	370	0.89	28.66	BK20-../DPE09XB4C	50	4850	9000
2.2	310	62	3.1	4.73	BK30-../DPE09XB4C	56	1550	8800
2.2	245	78	2.7	6.02	BK30-../DPE09XB4C	56	1690	9600
2.2	195	99	2.7	7.45	BK30-../DPE09XB4C	56	2200	10400
2.2	151	128	2.5	9.63	BK30-../DPE09XB4C	56	3150	11500
2.2	128	147	2.8	11.39	BK30-../DPE09XB4C	56	4150	11000
2.2	122	158	2.0	11.93	BK30-../DPE09XB4C	56	3650	12000
2.2	104	183	1.75	13.98	BK30-../DPE09XB4C	56	4050	12000
2.2	100	189	2.4	14.50	BK30-../DPE09XB4C	56	4900	12000
2.2	81	230	1.95	17.95	BK30-../DPE09XB4C	56	5300	12000
2.2	70	270	1.2	20.85	BK30-../DPE09XB4C	56	5000	12000
2.2	63	300	1.5	23.20	BK30-../DPE09XB4C	56	5900	12000
2.2	51	370	1.2	28.76	BK30-../DPE09XB4C	56	6500	12000
2.2	43.5	430	1.05	33.70	BK30-../DPE09XB4C	56	7000	12000
2.2	34	540	0.83	42.89	BK30-../DPE09XB4C	56	7800	12000
2.2	123	157	3.1	11.86	BK40-../DPE09XB4C	76	1770	12200
2.2	65	290	2.7	22.44	BK40-../DPE09XB4C	76	5500	16500
2.2	51	370	2.1	28.59	BK40-../DPE09XB4C	76	6300	17000
2.2	42	450	1.75	34.61	BK40-../DPE09XB4C	76	6900	17000
2.2	35.5	530	1.45	40.88	BK40-../DPE09XB4C	76	7600	17000
2.2	28.5	640	1.2	51.18	BK40-../DPE09XB4C	76	8400	17000
2.2	24.5	750	1.05	59.66	BK40-../DPE09XB4C	76	9100	17000
2.2	21	870	0.9	70.11	BK40-../DPE09XB4C	76	9800	17000

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

BK-series bevel geared motors

Selection - bevel geared motors DPE - IE3

2.2 kW

P _N	50 Hz			i	Type	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
2.2	81	235	3.1	17.92	BK50-../DPE09XB4C	104	4600	16800
2.2	55	340	3.1	26.51	BK50-../DPE09XB4C	104	7800	21200
2.2	41.5	455	2.3	35.21	BK50-../DPE09XB4C	104	8700	23100
2.2	31	600	1.75	47.50	BK50-../DPE09XB4C	104	10100	25700
2.2	24	770	1.35	60.76	BK50-../DPE09XB4C	104	11400	26000
2.2	19.5	930	1.15	75.40	BK50-../DPE09XB4C	104	12600	26000
2.2	15.5	1160	0.91	95.29	BK50-../DPE09XB4C	104	14100	26000
2.2	29	720	3.2	50.40	BK60-../DPE09XB4C	113	9100	29800
2.2	25	840	2.7	58.95	BK60-../DPE09XB4C	113	9900	31500
2.2	22	950	2.4	65.95	BK60-../DPE09XB4C	113	10900	33000
2.2	19	1100	2.1	78.13	BK60-../DPE09XB4C	113	11900	34000
2.2	17	1230	1.85	87.41	BK60-../DPE09XB4C	113	12900	34000
2.2	14.5	1440	1.6	101.2	BK60-../DPE09XB4C	113	13900	34000
2.2	13	1610	1.45	113.2	BK60-../DPE09XB4C	113	15000	34000
2.2	12	1750	1.3	122.5	BK60-../DPE09XB4C	113	15500	34000
2.2	11	1910	1.2	137.0	BK60-../DPE09XB4C	113	16600	34000
2.2	9.5	2200	1.05	153.7	BK60Z-../DPE09XB4C	132	16600	34000
2.2	8.0	2600	0.88	183.2	BK60Z-../DPE09XB4C	132	16600	34000
2.2	12.5	1680	3.1	120.2	BK70-../DPE09XB4C	199	18600	50000
2.2	11	1910	2.7	136.7	BK70-../DPE09XB4C	199	20700	50000
2.2	9.4	2200	2.4	154.4	BK70-../DPE09XB4C	199	21900	50000
2.2	8.3	2500	2.1	175.7	BK70-../DPE09XB4C	199	24100	50000
2.2	7.7	2700	1.95	190.4	BK70Z-../DPE09XB4C	220	24100	50000
2.2	6.5	3200	1.65	226.2	BK70Z-../DPE09XB4C	220	24100	50000
2.2	5.7	3650	1.4	257.3	BK70Z-../DPE09XB4C	220	24100	50000
2.2	5.0	4200	1.25	293.3	BK70Z-../DPE09XB4C	220	24100	50000
2.2	4.4	4750	1.1	333.6	BK70Z-../DPE09XB4C	220	24100	50000
2.2	3.9	5300	0.98	379.9	BK70Z-../DPE09XB4C	220	24100	50000
2.2	3.4	6100	0.85	432.1	BK70Z-../DPE09XB4C	220	24100	50000
2.2	5.8	3600	3.2	253.3	BK80Z-../DPE09XB4C	349	30000	75000
2.2	4.9	4250	2.7	300.6	BK80Z-../DPE09XB4C	349	30000	75000
2.2	4.4	4750	2.4	336.7	BK80Z-../DPE09XB4C	349	30000	75000
2.2	3.8	5500	2.1	389.0	BK80Z-../DPE09XB4C	349	30000	75000
2.2	3.4	6100	1.9	435.7	BK80Z-../DPE09XB4C	349	30000	75000
2.2	3.0	7000	1.65	499.5	BK80Z-../DPE09XB4C	349	30000	75000
2.2	2.6	8000	1.45	559.5	BK80Z-../DPE09XB4C	349	30000	75000
2.2	2.4	8000	1.45	607.8	BK80G40-../DPE09XB4C	360	30000	75000
2.2	2.2	8700	1.3	680.9	BK80G40-../DPE09XB4C	360	30000	75000
2.2	2.0	9600	1.2	756.3	BK80G40-../DPE09XB4C	360	30000	75000
2.2	1.8	10700	1.05	847.2	BK80G40-../DPE09XB4C	360	30000	75000
2.2	1.6	12200	0.94	963.0	BK80G40-../DPE09XB4C	360	30000	75000
2.2	1.4	13900	0.83	1079	BK80G40-../DPE09XB4C	360	30000	75000
2.2	3.4	6100	3.0	435.3	BK90Z-../DPE09XB4C	622	49400	120000
2.2	3.0	7000	2.6	499.2	BK90Z-../DPE09XB4C	622	49400	120000
2.2	2.6	8000	2.3	558.5	BK90Z-../DPE09XB4C	622	49400	120000
2.2	2.3	9100	2.0	637.7	BK90Z-../DPE09XB4C	622	49400	120000
2.2	2.1	10000	1.85	713.5	BK90Z-../DPE09XB4C	622	49400	120000
2.2	1.8	10300	1.8	821.0	BK90G50-../DPE09XB4C	633	49400	120000
2.2	1.7	11100	1.65	882.3	BK90G50-../DPE09XB4C	633	49400	120000
2.2	1.5	12600	1.45	1008	BK90G50-../DPE09XB4C	633	49400	120000
2.2	1.3	14600	1.25	1127	BK90G50-../DPE09XB4C	633	49400	120000
2.2	1.1	17800	1.05	1363	BK90G50-../DPE09XB4C	633	49400	120000

3 kW

P _N	50 Hz			i	Type	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
3	310	85	2.3	4.73	BK30-../DPE11LA4	76	1550	8800
3	245	107	2.0	6.02	BK30-../DPE11LA4	76	1690	9600
3	196	134	2.0	7.45	BK30-../DPE11LA4	76	2200	10400
3	152	173	1.85	9.63	BK30-../DPE11LA4	76	3150	11500

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

BK-series bevel geared motors

Selection - bevel geared motors DPE - IE3

3 kW

P _N	50 Hz			i	Type	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
3	128	200	2.1	11.39	BK30-../DPE11LA4	76	4150	11000
3	122	215	1.5	11.93	BK30-../DPE11LA4	76	3650	12000
3	105	245	1.3	13.98	BK30-../DPE11LA4	76	4050	12000
3	101	255	1.75	14.50	BK30-../DPE11LA4	76	4900	12000
3	82	310	1.45	17.95	BK30-../DPE11LA4	76	5300	12000
3	63	405	1.1	23.20	BK30-../DPE11LA4	76	5900	12000
3	51	500	0.9	28.76	BK30-../DPE11LA4	76	6500	12000
3	157	167	3.0	9.31	BK40-../DPE11LA4	102	1040	11200
3	123	210	2.3	11.86	BK40-../DPE11LA4	102	1770	12200
3	101	255	3.1	14.50	BK40-../DPE11LA4	102	4500	14300
3	81	315	2.5	18.05	BK40-../DPE11LA4	102	4900	15300
3	65	395	1.95	22.44	BK40-../DPE11LA4	102	5500	16500
3	51	500	1.55	28.59	BK40-../DPE11LA4	102	6300	17000
3	42.5	600	1.3	34.61	BK40-../DPE11LA4	102	6900	17000
3	36	710	1.1	40.88	BK40-../DPE11LA4	102	7600	17000
3	82	315	2.3	17.92	BK50-../DPE11LA4	132	4600	16800
3	76	335	3.1	19.33	BK50-../DPE11LA4	132	6900	19200
3	55	465	2.3	26.51	BK50-../DPE11LA4	132	7800	21200
3	41.5	620	1.7	35.21	BK50-../DPE11LA4	132	8700	23100
3	31	820	1.3	47.50	BK50-../DPE11LA4	132	10100	25700
3	24	1050	1.0	60.76	BK50-../DPE11LA4	132	11400	26000
3	19.5	1270	0.83	75.40	BK50-../DPE11LA4	132	12600	26000
3	38.5	740	3.1	37.80	BK60-../DPE11LA4	142	7300	26500
3	32.5	880	2.6	45.05	BK60-../DPE11LA4	142	8200	28300
3	29	980	2.3	50.40	BK60-../DPE11LA4	142	9100	29800
3	25	1140	2.0	58.95	BK60-../DPE11LA4	142	9900	31500
3	22.5	1270	1.8	65.95	BK60-../DPE11LA4	142	10900	33000
3	19	1500	1.55	78.13	BK60-../DPE11LA4	142	11900	34000
3	17	1680	1.35	87.41	BK60-../DPE11LA4	142	12900	34000
3	14.5	1970	1.15	101.2	BK60-../DPE11LA4	142	13900	34000
3	13	2200	1.05	113.2	BK60-../DPE11LA4	142	15000	34000
3	12	2350	0.98	122.5	BK60-../DPE11LA4	142	15500	34000
3	11	2600	0.88	137.0	BK60-../DPE11LA4	142	16600	34000
3	16	1790	2.9	90.96	BK70-../DPE11LA4	221	15300	49900
3	14.5	1970	2.6	103.5	BK70-../DPE11LA4	221	17200	50000
3	12.5	2250	2.3	120.2	BK70-../DPE11LA4	221	18600	50000
3	11	2600	2.0	136.7	BK70-../DPE11LA4	221	20700	50000
3	9.5	3000	1.75	154.4	BK70-../DPE11LA4	221	21900	50000
3	8.3	3450	1.5	175.7	BK70-../DPE11LA4	221	24100	50000
3	7.7	3700	1.4	190.4	BK70Z-../DPE11LA4	247	24100	50000
3	6.5	4400	1.2	226.2	BK70Z-../DPE11LA4	247	24100	50000
3	5.7	5000	1.05	257.3	BK70Z-../DPE11LA4	247	24100	50000
3	5.0	5700	0.91	293.3	BK70Z-../DPE11LA4	247	24100	50000
3	4.4	6500	0.8	333.6	BK70Z-../DPE11LA4	247	24100	50000
3	8.5	3350	3.1	171.5	BK80-../DPE11LA4	336	30000	75000
3	8.2	3450	3.3	177.6	BK80Z-../DPE11LA4	378	30000	75000
3	7.4	3850	3.0	198.9	BK80Z-../DPE11LA4	378	30000	75000
3	6.5	4400	2.6	226.1	BK80Z-../DPE11LA4	378	30000	75000
3	5.8	4900	2.3	253.3	BK80Z-../DPE11LA4	378	30000	75000
3	4.9	5800	2.0	300.6	BK80Z-../DPE11LA4	378	30000	75000
3	4.4	6500	1.75	336.7	BK80Z-../DPE11LA4	378	30000	75000
3	3.8	7500	1.55	389.0	BK80Z-../DPE11LA4	378	30000	75000
3	3.4	8400	1.35	435.7	BK80Z-../DPE11LA4	378	30000	75000
3	3.0	9500	1.2	499.5	BK80Z-../DPE11LA4	378	30000	75000
3	2.7	10600	1.1	559.5	BK80Z-../DPE11LA4	378	30000	75000
3	2.4	11100	1.05	607.8	BK80G40-../DPE11LA4	386	30000	75000
3	2.2	12100	0.95	680.9	BK80G40-../DPE11LA4	386	30000	75000
3	2.0	13500	0.85	756.3	BK80G40-../DPE11LA4	386	30000	75000
3	5.0	5700	3.2	295.6	BK90Z-../DPE11LA4	643	49400	120000
3	4.4	6500	2.8	330.7	BK90Z-../DPE11LA4	643	49400	120000
3	3.8	7500	2.5	389.1	BK90Z-../DPE11LA4	643	49400	120000
3	3.4	8400	2.2	435.3	BK90Z-../DPE11LA4	643	49400	120000
3	3.0	9500	1.95	499.2	BK90Z-../DPE11LA4	643	49400	120000
3	2.7	10600	1.75	558.5	BK90Z-../DPE11LA4	643	49400	120000

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

BK-series bevel geared motors

Selection - bevel geared motors DPE - IE3

3 kW

P _N	n ₂	50 Hz	f _B	i	Type	m		
[kW]	[1/min]	M ₂ [Nm]	[—]	[:1]		[kg]	[N]	[N]
3	2.3	12400	1.5	637.7	BK90Z-../DPE11LA4	643	49400	120000
3	2.1	13600	1.35	713.5	BK90Z-../DPE11LA4	643	49400	120000
3	1.8	14500	1.3	821.0	BK90G50-../DPE11LA4	660	49400	120000
3	1.7	15600	1.2	882.3	BK90G50-../DPE11LA4	660	49400	120000
3	1.5	17700	1.05	1008	BK90G50-../DPE11LA4	660	49400	120000
3	1.3	20500	0.9	1127	BK90G50-../DPE11LA4	660	49400	120000

4 kW

P _N	n ₂	50 Hz	f _B	i	Type	m		
[kW]	[1/min]	M ₂ [Nm]	[—]	[:1]		[kg]	[N]	[N]
4	310	113	1.7	4.73	BK30-../DPE11LB4	76	1550	8800
4	245	143	1.5	6.02	BK30-../DPE11LB4	76	1690	9600
4	195	180	1.5	7.45	BK30-../DPE11LB4	76	2200	10400
4	151	230	1.4	9.63	BK30-../DPE11LB4	76	3150	11500
4	128	265	1.55	11.39	BK30-../DPE11LB4	76	4150	11000
4	122	285	1.1	11.93	BK30-../DPE11LB4	76	3650	12000
4	104	330	0.97	13.98	BK30-../DPE11LB4	76	4050	12000
4	100	340	1.3	14.50	BK30-../DPE11LB4	76	4900	12000
4	81	420	1.05	17.95	BK30-../DPE11LB4	76	5300	12000
4	63	540	0.83	23.20	BK30-../DPE11LB4	76	5900	12000
4	245	143	3.3	6.02	BK40-../DPE11LB4	102	470	9800
4	194	181	2.7	7.49	BK40-../DPE11LB4	102	750	10500
4	156	225	2.2	9.31	BK40-../DPE11LB4	102	1040	11200
4	130	260	2.8	11.17	BK40-../DPE11LB4	102	4100	13100
4	123	285	1.75	11.86	BK40-../DPE11LB4	102	1770	12200
4	100	340	2.3	14.50	BK40-../DPE11LB4	102	4500	14300
4	81	420	1.85	18.05	BK40-../DPE11LB4	102	4900	15300
4	65	520	1.5	22.44	BK40-../DPE11LB4	102	5500	16500
4	51	670	1.15	28.59	BK40-../DPE11LB4	102	6300	17000
4	42	810	0.96	34.61	BK40-../DPE11LB4	102	6900	17000
4	35.5	960	0.81	40.88	BK40-../DPE11LB4	102	7600	17000
4	104	330	3.2	13.95	BK50-../DPE11LB4	132	6100	17400
4	96	355	3.0	15.19	BK50-../DPE11LB4	132	6300	18000
4	81	425	1.7	17.92	BK50-../DPE11LB4	132	4600	16800
4	76	450	2.3	19.33	BK50-../DPE11LB4	132	6900	19200
4	55	620	1.7	26.51	BK50-../DPE11LB4	132	7800	21200
4	41.5	820	1.3	35.21	BK50-../DPE11LB4	132	8700	23100
4	31	1090	0.96	47.50	BK50-../DPE11LB4	132	10100	25700
4	53	720	3.2	27.36	BK60-../DPE11LB4	142	5600	23200
4	43	880	2.6	33.78	BK60-../DPE11LB4	142	6500	25200
4	38.5	990	2.3	37.80	BK60-../DPE11LB4	142	7300	26500
4	32.5	1170	1.95	45.05	BK60-../DPE11LB4	142	8200	28300
4	29	1310	1.75	50.40	BK60-../DPE11LB4	142	9100	29800
4	25	1520	1.5	58.95	BK60-../DPE11LB4	142	9900	31500
4	22	1730	1.35	65.95	BK60-../DPE11LB4	142	10900	33000
4	19	2000	1.15	78.13	BK60-../DPE11LB4	142	11900	34000
4	17	2200	1.05	87.41	BK60-../DPE11LB4	142	12900	34000
4	14.5	2600	0.88	101.2	BK60-../DPE11LB4	142	13900	34000
4	24	1590	3.3	61.60	BK70-../DPE11LB4	221	11500	42800
4	21	1810	2.9	70.23	BK70-../DPE11LB4	221	12500	44800
4	18.5	2050	2.5	79.89	BK70-../DPE11LB4	221	14300	47600
4	16	2350	2.2	90.96	BK70-../DPE11LB4	221	15300	49900
4	14.5	2600	2.0	103.5	BK70-../DPE11LB4	221	17200	50000
4	12.5	3050	1.7	120.2	BK70-../DPE11LB4	221	18600	50000
4	11	3450	1.5	136.7	BK70-../DPE11LB4	221	20700	50000
4	9.4	4050	1.3	154.4	BK70-../DPE11LB4	221	21900	50000
4	8.3	4600	1.15	175.7	BK70-../DPE11LB4	221	24100	50000
4	7.7	4950	1.05	190.4	BK70Z-../DPE11LB4	247	24100	50000
4	6.5	5800	0.9	226.2	BK70Z-../DPE11LB4	247	24100	50000

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

BK-series bevel geared motors

Selection - bevel geared motors DPE - IE3

4 kW

P _N	n ₂	50 Hz		i	Type	m		
[kW]		M ₂	f _B					
	[1/min]	[Nm]	[-]	[:1]		[kg]	[N]	[N]
4	11.5	3300	3.2	131.6	BK80-../DPE11LB4	336	24900	75000
4	9.5	4000	2.6	153.1	BK80-../DPE11LB4	336	27200	75000
4	8.5	4450	2.4	171.5	BK80-../DPE11LB4	336	30000	75000
4	8.2	4650	2.5	177.6	BK80Z-../DPE11LB4	378	30000	75000
4	7.3	5200	2.2	198.9	BK80Z-../DPE11LB4	378	30000	75000
4	6.5	5800	2.0	226.1	BK80Z-../DPE11LB4	378	30000	75000
4	5.8	6500	1.75	253.3	BK80Z-../DPE11LB4	378	30000	75000
4	4.9	7700	1.5	300.6	BK80Z-../DPE11LB4	378	30000	75000
4	4.4	8600	1.35	336.7	BK80Z-../DPE11LB4	378	30000	75000
4	3.8	10000	1.15	389.0	BK80Z-../DPE11LB4	378	30000	75000
4	3.4	11200	1.05	435.7	BK80Z-../DPE11LB4	378	30000	75000
4	3.0	12700	0.91	499.5	BK80Z-../DPE11LB4	378	30000	75000
4	6.2	6100	3.0	234.6	BK90Z-../DPE11LB4	643	49400	120000
4	5.6	6800	2.7	262.5	BK90Z-../DPE11LB4	643	49400	120000
4	5.0	7600	2.4	295.6	BK90Z-../DPE11LB4	643	49400	120000
4	4.4	8600	2.2	330.7	BK90Z-../DPE11LB4	643	49400	120000
4	3.8	10000	1.85	389.1	BK90Z-../DPE11LB4	643	49400	120000
4	3.4	11200	1.65	435.3	BK90Z-../DPE11LB4	643	49400	120000
4	3.0	12700	1.45	499.2	BK90Z-../DPE11LB4	643	49400	120000
4	2.6	14600	1.25	558.5	BK90Z-../DPE11LB4	643	49400	120000
4	2.3	16600	1.1	637.7	BK90Z-../DPE11LB4	643	49400	120000
4	2.1	18100	1.0	713.5	BK90Z-../DPE11LB4	643	49400	120000
4	1.8	19800	0.93	821.0	BK90G50-../DPE11LB4	660	49400	120000
4	1.7	21200	0.87	882.3	BK90G50-../DPE11LB4	660	49400	120000

5.5 kW

P _N	n ₂	50 Hz		i	Type	m		
[kW]		M ₂	f _B					
	[1/min]	[Nm]	[-]	[:1]		[kg]	[N]	[N]
5.5	310	155	1.25	4.73	BK30-../DPE11LB4C	80	1550	8800
5.5	245	197	1.1	6.02	BK30-../DPE11LB4C	80	1690	9600
5.5	197	245	1.1	7.45	BK30-../DPE11LB4C	80	2200	10400
5.5	153	315	1.0	9.63	BK30-../DPE11LB4C	80	3150	11500
5.5	129	365	1.15	11.39	BK30-../DPE11LB4C	80	4150	11000
5.5	123	390	0.82	11.93	BK30-../DPE11LB4C	80	3650	12000
5.5	102	460	0.98	14.50	BK30-../DPE11LB4C	80	4900	12000
5.5	320	151	2.9	4.63	BK40-../DPE11LB4C	106	430	8900
5.5	245	197	2.4	6.02	BK40-../DPE11LB4C	106	470	9800
5.5	196	245	2.0	7.49	BK40-../DPE11LB4C	106	750	10500
5.5	158	305	1.6	9.31	BK40-../DPE11LB4C	106	1040	11200
5.5	132	355	2.0	11.17	BK40-../DPE11LB4C	106	4100	13100
5.5	124	385	1.3	11.86	BK40-../DPE11LB4C	106	1770	12200
5.5	102	460	1.7	14.50	BK40-../DPE11LB4C	106	4500	14300
5.5	82	570	1.35	18.05	BK40-../DPE11LB4C	106	4900	15300
5.5	66	710	1.1	22.44	BK40-../DPE11LB4C	106	5500	16500
5.5	52	900	0.87	28.59	BK40-../DPE11LB4C	106	6300	17000
5.5	151	310	3.0	9.73	BK50-../DPE11LB4C	136	5400	15400
5.5	147	325	2.5	10.00	BK50-../DPE11LB4C	136	1220	13200
5.5	106	445	2.4	13.95	BK50-../DPE11LB4C	136	6100	17400
5.5	97	485	2.2	15.19	BK50-../DPE11LB4C	136	6300	18000
5.5	82	580	1.25	17.92	BK50-../DPE11LB4C	136	4600	16800
5.5	76	620	1.7	19.33	BK50-../DPE11LB4C	136	6900	19200
5.5	56	840	1.25	26.51	BK50-../DPE11LB4C	136	7800	21200
5.5	42	1120	0.94	35.21	BK50-../DPE11LB4C	136	8700	23100
5.5	72	720	3.1	20.54	BK60-../DPE11LB4C	146	4400	20600
5.5	60	870	2.6	24.45	BK60-../DPE11LB4C	146	4850	22000
5.5	54	970	2.4	27.36	BK60-../DPE11LB4C	146	5600	23200
5.5	43.5	1200	1.9	33.78	BK60-../DPE11LB4C	146	6500	25200
5.5	39	1340	1.7	37.80	BK60-../DPE11LB4C	146	7300	26500
5.5	33	1590	1.45	45.05	BK60-../DPE11LB4C	146	8200	28300
5.5	29.5	1780	1.3	50.40	BK60-../DPE11LB4C	146	9100	29800

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

BK-series bevel geared motors

Selection - bevel geared motors DPE - IE3

5.5 kW

P _N	50 Hz			i	Type	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
5.5	25	2100	1.1	58.95	BK60-../DPE11LB4C	146	9900	31500
5.5	22.5	2300	1.0	65.95	BK60-../DPE11LB4C	146	10900	33000
5.5	19	2750	0.84	78.13	BK60-../DPE11LB4C	146	11900	34000
5.5	32.5	1610	3.2	45.59	BK70-../DPE11LB4C	225	9000	37900
5.5	27.5	1910	2.7	54.15	BK70-../DPE11LB4C	225	9900	40200
5.5	24	2150	2.4	61.60	BK70-../DPE11LB4C	225	11500	42800
5.5	21	2500	2.1	70.23	BK70-../DPE11LB4C	225	12500	44800
5.5	18.5	2800	1.85	79.89	BK70-../DPE11LB4C	225	14300	47600
5.5	16.5	3150	1.65	90.96	BK70-../DPE11LB4C	225	15300	49900
5.5	14.5	3600	1.45	103.5	BK70-../DPE11LB4C	225	17200	50000
5.5	12.5	4200	1.25	120.2	BK70-../DPE11LB4C	225	18600	50000
5.5	11	4750	1.1	136.7	BK70-../DPE11LB4C	225	20700	50000
5.5	9.5	5500	0.95	154.4	BK70-../DPE11LB4C	225	21900	50000
5.5	8.4	6200	0.84	175.7	BK70-../DPE11LB4C	225	24100	50000
5.5	16.5	3150	3.3	91.53	BK80-../DPE11LB4C	340	18300	74200
5.5	14.5	3600	2.9	102.5	BK80-../DPE11LB4C	340	20500	75000
5.5	12.5	4200	2.5	117.5	BK80-../DPE11LB4C	340	22300	75000
5.5	11.5	4550	2.3	131.6	BK80-../DPE11LB4C	340	24900	75000
5.5	9.6	5400	1.95	153.1	BK80-../DPE11LB4C	340	27200	75000
5.5	8.6	6100	1.7	171.5	BK80-../DPE11LB4C	340	30000	75000
5.5	8.3	6300	1.85	177.6	BK80Z-../DPE11LB4C	382	30000	75000
5.5	7.4	7000	1.65	198.9	BK80Z-../DPE11LB4C	382	30000	75000
5.5	6.5	8000	1.45	226.1	BK80Z-../DPE11LB4C	382	30000	75000
5.5	5.8	9000	1.3	253.3	BK80Z-../DPE11LB4C	382	30000	75000
5.5	4.9	10700	1.05	300.6	BK80Z-../DPE11LB4C	382	30000	75000
5.5	4.4	11900	0.97	336.7	BK80Z-../DPE11LB4C	382	30000	75000
5.5	3.8	13800	0.83	389.0	BK80Z-../DPE11LB4C	382	30000	75000
5.5	8.4	6200	3.0	174.7	BK90Z-../DPE11LB4C	647	49400	120000
5.5	7.5	7000	2.6	195.4	BK90Z-../DPE11LB4C	647	49400	120000
5.5	6.3	8300	2.2	234.6	BK90Z-../DPE11LB4C	647	49400	120000
5.5	5.6	9300	2.0	262.5	BK90Z-../DPE11LB4C	647	49400	120000
5.5	5.0	10500	1.75	295.6	BK90Z-../DPE11LB4C	647	49400	120000
5.5	4.5	11600	1.6	330.7	BK90Z-../DPE11LB4C	647	49400	120000
5.5	3.8	13800	1.35	389.1	BK90Z-../DPE11LB4C	647	49400	120000
5.5	3.4	15400	1.2	435.3	BK90Z-../DPE11LB4C	647	49400	120000
5.5	3.0	17500	1.05	499.2	BK90Z-../DPE11LB4C	647	49400	120000
5.5	2.7	19400	0.95	558.5	BK90Z-../DPE11LB4C	647	49400	120000
5.5	2.3	22800	0.81	637.7	BK90Z-../DPE11LB4C	647	49400	120000

7.5 kW

P _N	50 Hz			i	Type	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
7.5	400	164	4.4	3.67	BK50-../DPE13XA4	147	115	9400
7.5	280	235	3.5	5.26	BK50-../DPE13XA4	147	130	10700
7.5	205	320	2.5	7.29	BK50-../DPE13XA4	147	620	111000
7.5	151	425	2.2	9.73	BK50-../DPE13XA4	147	5400	15400
7.5	146	450	1.8	10.00	BK50-../DPE13XA4	147	1220	13200
7.5	105	610	1.7	13.95	BK50-../DPE13XA4	147	6100	17400
7.5	97	660	1.6	15.19	BK50-../DPE13XA4	147	6300	18000
7.5	82	790	0.92	17.92	BK50-../DPE13XA4	147	4600	16800
7.5	76	840	1.25	19.33	BK50-../DPE13XA4	147	6900	19200
7.5	56	1150	0.91	26.51	BK50-../DPE13XA4	147	7800	21200
7.5	135	530	3.2	10.82	BK60-../DPE13XA4	159	3200	17000
7.5	118	600	3.1	12.38	BK60-../DPE13XA4	159	3500	17400
7.5	106	670	2.9	13.85	BK60-../DPE13XA4	159	3850	18000
7.5	102	700	2.8	14.41	BK60-../DPE13XA4	159	3650	18600
7.5	91	780	2.5	16.05	BK60-../DPE13XA4	159	4050	18800
7.5	80	890	2.5	18.36	BK60-../DPE13XA4	159	4000	19900
7.5	72	990	2.3	20.54	BK60-../DPE13XA4	159	4400	20600
7.5	60	1190	1.95	24.45	BK60-../DPE13XA4	159	4850	22000

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

BK-series bevel geared motors

Selection - bevel geared motors DPE - IE3

7.5 kW

P _N [kW]	n ₂ [1/min]	50 Hz		i [:1]	Type	m [kg]	[N]	[N]
		M ₂ [Nm]	f _B [—]					
7.5	54	1320	1.75	27.36	BK60-../DPE13XA4	159	5600	23200
7.5	43.5	1640	1.4	33.78	BK60-../DPE13XA4	159	6500	25200
7.5	39	1830	1.25	37.80	BK60-../DPE13XA4	159	7300	26500
7.5	32.5	2200	1.05	45.05	BK60-../DPE13XA4	159	8200	28300
7.5	29	2450	0.94	50.40	BK60-../DPE13XA4	159	9100	29800
7.5	25	2850	0.81	58.95	BK60-../DPE13XA4	159	9900	31500
7.5	47.5	1500	3.0	30.90	BK70-../DPE13XA4	238	7500	33600
7.5	42	1700	2.8	35.15	BK70-../DPE13XA4	238	8000	35000
7.5	36.5	1960	2.5	40.08	BK70-../DPE13XA4	238	8300	36300
7.5	32.5	2200	2.3	45.59	BK70-../DPE13XA4	238	9000	37900
7.5	27	2650	1.95	54.15	BK70-../DPE13XA4	238	9900	40200
7.5	24	2950	1.75	61.60	BK70-../DPE13XA4	238	11500	42800
7.5	21	3400	1.55	70.23	BK70-../DPE13XA4	238	12500	44800
7.5	18.5	3850	1.35	79.89	BK70-../DPE13XA4	238	14300	47600
7.5	16.5	4300	1.2	90.96	BK70-../DPE13XA4	238	15300	49900
7.5	14.5	4900	1.05	103.5	BK70-../DPE13XA4	238	17200	50000
7.5	12.5	5700	0.91	120.2	BK70-../DPE13XA4	238	18600	50000
7.5	11	6500	0.8	136.7	BK70-../DPE13XA4	238	20700	50000
7.5	24.5	2900	3.2	59.60	BK80-../DPE13XA4	352	15700	65500
7.5	21	3400	2.8	70.72	BK80-../DPE13XA4	352	16600	68700
7.5	18.5	3850	2.6	79.22	BK80-../DPE13XA4	352	17600	71300
7.5	16	4450	2.3	91.53	BK80-../DPE13XA4	352	18300	74200
7.5	14.5	4900	2.1	102.5	BK80-../DPE13XA4	352	20500	75000
7.5	12.5	5700	1.85	117.5	BK80-../DPE13XA4	352	22300	75000
7.5	11.5	6200	1.7	131.6	BK80-../DPE13XA4	352	24900	75000
7.5	9.6	7400	1.4	153.1	BK80-../DPE13XA4	352	27200	75000
7.5	8.6	8300	1.25	171.5	BK80-../DPE13XA4	352	30000	75000
7.5	8.3	8600	1.35	177.6	BK80Z-../DPE13XA4	395	30000	75000
7.5	7.4	9600	1.2	198.9	BK80Z-../DPE13XA4	395	30000	75000
7.5	6.5	11000	1.05	226.1	BK80Z-../DPE13XA4	395	30000	75000
7.5	5.8	12300	0.93	253.3	BK80Z-../DPE13XA4	395	30000	75000
7.5	12.5	5700	2.9	117.0	BK90-../DPE13XA4	604	39200	113000
7.5	11.5	6200	2.7	130.9	BK90-../DPE13XA4	604	42700	119400
7.5	9.8	7300	2.3	149.5	BK90-../DPE13XA4	604	45600	120000
7.5	8.8	8100	2.1	167.2	BK90-../DPE13XA4	604	49400	120000
7.5	8.4	8500	2.2	174.7	BK90Z-../DPE13XA4	660	49400	120000
7.5	7.5	9500	1.95	195.4	BK90Z-../DPE13XA4	660	49400	120000
7.5	6.3	11300	1.65	234.6	BK90Z-../DPE13XA4	660	49400	120000
7.5	5.6	12700	1.45	262.5	BK90Z-../DPE13XA4	660	49400	120000
7.5	5.0	14300	1.3	295.6	BK90Z-../DPE13XA4	660	49400	120000
7.5	4.5	15900	1.15	330.7	BK90Z-../DPE13XA4	660	49400	120000
7.5	3.8	18800	0.98	389.1	BK90Z-../DPE13XA4	660	49400	120000
7.5	3.4	21000	0.88	435.3	BK90Z-../DPE13XA4	660	49400	120000

9.5 kW

P _N [kW]	n ₂ [1/min]	50 Hz		i [:1]	Type	m [kg]	[N]	[N]
		M ₂ [Nm]	f _B [—]					
9.5	405	205	3.5	3.67	BK50-../DPE16LB4	183	115	9400
9.5	285	290	2.8	5.26	BK50-../DPE16LB4	183	130	10700
9.5	205	405	2.0	7.29	BK50-../DPE16LB4	183	620	111000
9.5	152	530	1.75	9.73	BK50-../DPE16LB4	183	5400	15400
9.5	148	560	1.45	10.00	BK50-../DPE16LB4	183	1220	13200
9.5	106	770	1.35	13.95	BK50-../DPE16LB4	183	6100	17400
9.5	98	830	1.25	15.19	BK50-../DPE16LB4	183	6300	18000
9.5	77	1060	0.99	19.33	BK50-../DPE16LB4	183	6900	19200
9.5	205	440	3.3	7.29	BK60-../DPE16LB4	195	2800	14900
9.5	137	660	2.5	10.82	BK60-../DPE16LB4	195	3200	17000
9.5	120	750	2.5	12.38	BK60-../DPE16LB4	195	3500	17400
9.5	107	840	2.3	13.85	BK60-../DPE16LB4	195	3850	18000
9.5	103	880	2.2	14.41	BK60-../DPE16LB4	195	3650	18600

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

BK-series bevel geared motors

Selection - bevel geared motors DPE - IE3

9.5 kW

P _N	50 Hz			i	Type	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
9.5	92	980	2.0	16.05	BK60-../DPE16LB4	195	4050	18800
9.5	81	1120	1.95	18.36	BK60-../DPE16LB4	195	4000	19900
9.5	72	1260	1.8	20.54	BK60-../DPE16LB4	195	4400	20600
9.5	61	1480	1.55	24.45	BK60-../DPE16LB4	195	4850	22000
9.5	54	1680	1.35	27.36	BK60-../DPE16LB4	195	5600	23200
9.5	44	2050	1.1	33.78	BK60-../DPE16LB4	195	6500	25200
9.5	39.5	2250	1.0	37.80	BK60-../DPE16LB4	195	7300	26500
9.5	33	2700	0.85	45.05	BK60-../DPE16LB4	195	8200	28300
9.5	98	920	3.3	15.16	BK70-../DPE16LB4	278	5600	25800
9.5	86	1050	3.3	17.24	BK70-../DPE16LB4	278	6500	29200
9.5	68	1330	3.1	21.88	BK70-../DPE16LB4	278	6500	30200
9.5	60	1510	2.8	24.89	BK70-../DPE16LB4	278	7000	31500
9.5	48	1890	2.4	30.90	BK70-../DPE16LB4	278	7500	33600
9.5	42	2150	2.2	35.15	BK70-../DPE16LB4	278	8000	35000
9.5	37	2450	2.0	40.08	BK70-../DPE16LB4	278	8300	36300
9.5	32.5	2750	1.85	45.59	BK70-../DPE16LB4	278	9000	37900
9.5	27.5	3250	1.6	54.15	BK70-../DPE16LB4	278	9900	40200
9.5	24	3750	1.4	61.60	BK70-../DPE16LB4	278	11500	42800
9.5	21.5	4200	1.25	70.23	BK70-../DPE16LB4	278	12500	44800
9.5	18.5	4900	1.05	79.89	BK70-../DPE16LB4	278	14300	47600
9.5	16.5	5400	0.96	90.96	BK70-../DPE16LB4	278	15300	49900
9.5	14.5	6200	0.84	103.5	BK70-../DPE16LB4	278	17200	50000
9.5	35.5	2550	3.2	41.78	BK80-../DPE16LB4	388	13500	58700
9.5	32	2800	3.1	46.80	BK80-../DPE16LB4	388	14300	60900
9.5	28	3200	2.8	53.21	BK80-../DPE16LB4	388	14800	63100
9.5	25	3600	2.6	59.60	BK80-../DPE16LB4	388	15700	65500
9.5	21	4300	2.2	70.72	BK80-../DPE16LB4	388	16600	68700
9.5	19	4750	2.1	79.22	BK80-../DPE16LB4	388	17600	71300
9.5	16.5	5400	1.95	91.53	BK80-../DPE16LB4	388	18300	74200
9.5	14.5	6200	1.7	102.5	BK80-../DPE16LB4	388	20500	75000
9.5	13	6900	1.5	117.5	BK80-../DPE16LB4	388	22300	75000
9.5	11.5	7800	1.35	131.6	BK80-../DPE16LB4	388	24900	75000
9.5	9.7	9300	1.15	153.1	BK80-../DPE16LB4	388	27200	75000
9.5	8.7	10400	1.0	171.5	BK80-../DPE16LB4	388	30000	75000
9.5	8.4	10800	1.05	177.6	BK80Z-../DPE16LB4	431	30000	75000
9.5	7.5	12000	0.96	198.9	BK80Z-../DPE16LB4	431	30000	75000
9.5	6.6	13700	0.84	226.1	BK80Z-../DPE16LB4	431	30000	75000
9.5	16.5	5400	3.1	91.19	BK90-../DPE16LB4	641	33300	101000
9.5	14.5	6200	2.7	102.0	BK90-../DPE16LB4	641	36600	107000
9.5	13	6900	2.4	117.0	BK90-../DPE16LB4	641	39200	113000
9.5	11.5	7800	2.2	130.9	BK90-../DPE16LB4	641	42700	119400
9.5	9.9	9100	1.85	149.5	BK90-../DPE16LB4	641	45600	120000
9.5	8.9	10100	1.65	167.2	BK90-../DPE16LB4	641	49400	120000
9.5	8.5	10600	1.75	174.7	BK90Z-../DPE16LB4	700	49400	120000
9.5	7.6	11900	1.55	195.4	BK90Z-../DPE16LB4	700	49400	120000
9.5	6.3	14400	1.3	234.6	BK90Z-../DPE16LB4	700	49400	120000
9.5	5.7	15900	1.15	262.5	BK90Z-../DPE16LB4	700	49400	120000
9.5	5.0	18100	1.0	295.6	BK90Z-../DPE16LB4	700	49400	120000
9.5	4.5	20100	0.92	330.7	BK90Z-../DPE16LB4	700	49400	120000

11 kW

P _N	50 Hz			i	Type	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
11	405	235	3.1	3.67	BK50-../DPE16LB4	183	115	9400
11	285	335	2.4	5.26	BK50-../DPE16LB4	183	130	10700
11	205	470	1.75	7.29	BK50-../DPE16LB4	183	620	111000
11	152	620	1.5	9.73	BK50-../DPE16LB4	183	5400	15400
11	148	650	1.25	10.00	BK50-../DPE16LB4	183	1220	13200
11	106	890	1.2	13.95	BK50-../DPE16LB4	183	6100	17400
11	98	960	1.1	15.19	BK50-../DPE16LB4	183	6300	18000
11	77	1220	0.86	19.33	BK50-../DPE16LB4	183	6900	19200

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

BK-series bevel geared motors

Selection - bevel geared motors DPE - IE3

11 kW

P _N	50 Hz			i	Type	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
11	205	510	2.9	7.29	BK60-../DPE16LB4	195	2800	14900
11	137	760	2.2	10.82	BK60-../DPE16LB4	195	3200	17000
11	120	870	2.2	12.38	BK60-../DPE16LB4	195	3500	17400
11	107	980	2.0	13.85	BK60-../DPE16LB4	195	3850	18000
11	103	1010	1.9	14.41	BK60-../DPE16LB4	195	3650	18600
11	92	1140	1.75	16.05	BK60-../DPE16LB4	195	4050	18800
11	81	1290	1.7	18.36	BK60-../DPE16LB4	195	4000	19900
11	72	1450	1.55	20.54	BK60-../DPE16LB4	195	4400	20600
11	61	1720	1.35	24.45	BK60-../DPE16LB4	195	4850	22000
11	54	1940	1.2	27.36	BK60-../DPE16LB4	195	5600	23200
11	44	2350	0.98	33.78	BK60-../DPE16LB4	195	6500	25200
11	39.5	2650	0.87	37.80	BK60-../DPE16LB4	195	7300	26500
11	108	970	3.1	13.70	BK70-../DPE16LB4	278	5400	24800
11	98	1070	2.9	15.16	BK70-../DPE16LB4	278	5600	25800
11	86	1220	2.9	17.24	BK70-../DPE16LB4	278	6500	29200
11	68	1540	2.6	21.88	BK70-../DPE16LB4	278	6500	30200
11	60	1750	2.4	24.89	BK70-../DPE16LB4	278	7000	31500
11	48	2150	2.1	30.90	BK70-../DPE16LB4	278	7500	33600
11	42	2500	1.9	35.15	BK70-../DPE16LB4	278	8000	35000
11	37	2800	1.75	40.08	BK70-../DPE16LB4	278	8300	36300
11	32.5	3200	1.6	45.59	BK70-../DPE16LB4	278	9000	37900
11	27.5	3800	1.35	54.15	BK70-../DPE16LB4	278	9900	40200
11	24	4350	1.2	61.60	BK70-../DPE16LB4	278	11500	42800
11	21.5	4850	1.05	70.23	BK70-../DPE16LB4	278	12500	44800
11	18.5	5600	0.93	79.89	BK70-../DPE16LB4	278	14300	47600
11	16.5	6300	0.83	90.96	BK70-../DPE16LB4	278	15300	49900
11	43.5	2400	3.3	34.22	BK80-../DPE16LB4	388	12600	55400
11	35.5	2950	2.8	41.78	BK80-../DPE16LB4	388	13500	58700
11	32	3250	2.6	46.80	BK80-../DPE16LB4	388	14300	60900
11	28	3750	2.4	53.21	BK80-../DPE16LB4	388	14800	63100
11	25	4200	2.2	59.60	BK80-../DPE16LB4	388	15700	65500
11	21	5000	1.95	70.72	BK80-../DPE16LB4	388	16600	68700
11	19	5500	1.85	79.22	BK80-../DPE16LB4	388	17600	71300
11	16.5	6300	1.65	91.53	BK80-../DPE16LB4	388	18300	74200
11	14.5	7200	1.45	102.5	BK80-../DPE16LB4	388	20500	75000
11	13	8000	1.3	117.5	BK80-../DPE16LB4	388	22300	75000
11	11.5	9100	1.15	131.6	BK80-../DPE16LB4	388	24900	75000
11	9.7	10800	0.97	153.1	BK80-../DPE16LB4	388	27200	75000
11	8.7	12000	0.88	171.5	BK80-../DPE16LB4	388	30000	75000
11	8.4	12500	0.92	177.6	BK80Z-../DPE16LB4	431	30000	75000
11	7.5	14000	0.82	198.9	BK80Z-../DPE16LB4	431	30000	75000
11	19.5	5300	3.2	77.51	BK90-../DPE16LB4	641	30300	94400
11	16.5	6300	2.7	91.19	BK90-../DPE16LB4	641	33300	101000
11	14.5	7200	2.3	102.0	BK90-../DPE16LB4	641	36600	107000
11	13	8000	2.1	117.0	BK90-../DPE16LB4	641	39200	113000
11	11.5	9100	1.85	130.9	BK90-../DPE16LB4	641	42700	119400
11	9.9	10600	1.6	149.5	BK90-../DPE16LB4	641	45600	120000
11	8.9	11800	1.4	167.2	BK90-../DPE16LB4	641	49400	120000
11	8.5	12300	1.5	174.7	BK90Z-../DPE16LB4	700	49400	120000
11	7.6	13800	1.35	195.4	BK90Z-../DPE16LB4	700	49400	120000
11	6.3	16600	1.1	234.6	BK90Z-../DPE16LB4	700	49400	120000
11	5.7	18400	1.0	262.5	BK90Z-../DPE16LB4	700	49400	120000
11	5.0	21000	0.88	295.6	BK90Z-../DPE16LB4	700	49400	120000

15 kW

P _N	50 Hz			i	Type	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
15	405	325	2.2	3.67	BK50-../DPE16XB4	193	115	9400
15	285	460	1.75	5.26	BK50-../DPE16XB4	193	130	10700
15	205	640	1.25	7.29	BK50-../DPE16XB4	193	620	111000
15	152	840	1.1	9.73	BK50-../DPE16XB4	193	5400	15400

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

BK-series bevel geared motors

Selection - bevel geared motors DPE - IE3

15 kW

P _N	50 Hz			i	Type	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
15	148	890	0.91	10.00	BK50-../DPE16XB4	193	1220	13200
15	106	1210	0.87	13.95	BK50-../DPE16XB4	193	6100	17400
15	98	1310	0.8	15.19	BK50-../DPE16XB4	193	6300	18000
15	205	690	2.1	7.29	BK60-../DPE16XB4	205	2800	14900
15	137	1040	1.6	10.82	BK60-../DPE16XB4	205	3200	17000
15	120	1190	1.6	12.38	BK60-../DPE16XB4	205	3500	17400
15	107	1330	1.5	13.85	BK60-../DPE16XB4	205	3850	18000
15	103	1390	1.4	14.41	BK60-../DPE16XB4	205	3650	18600
15	92	1550	1.25	16.05	BK60-../DPE16XB4	205	4050	18800
15	81	1760	1.25	18.36	BK60-../DPE16XB4	205	4000	19900
15	72	1980	1.15	20.54	BK60-../DPE16XB4	205	4400	20600
15	61	2300	1.0	24.45	BK60-../DPE16XB4	205	4850	22000
15	54	2650	0.87	27.36	BK60-../DPE16XB4	205	5600	23200
15	108	1320	2.3	13.70	BK70-../DPE16XB4	288	5400	24800
15	98	1460	2.1	15.16	BK70-../DPE16XB4	288	5600	25800
15	86	1660	2.1	17.24	BK70-../DPE16XB4	288	6500	29200
15	68	2100	1.95	21.88	BK70-../DPE16XB4	288	6500	30200
15	60	2350	1.8	24.89	BK70-../DPE16XB4	288	7000	31500
15	48	2950	1.55	30.90	BK70-../DPE16XB4	288	7500	33600
15	42	3400	1.4	35.15	BK70-../DPE16XB4	288	8000	35000
15	37	3850	1.25	40.08	BK70-../DPE16XB4	288	8300	36300
15	32.5	4400	1.15	45.59	BK70-../DPE16XB4	288	9000	37900
15	27.5	5200	1.0	54.15	BK70-../DPE16XB4	288	9900	40200
15	24	5900	0.88	61.60	BK70-../DPE16XB4	288	11500	42800
15	48.5	2950	2.5	30.56	BK80-../DPE16XB4	398	11900	53400
15	43.5	3250	2.4	34.22	BK80-../DPE16XB4	398	12600	55400
15	35.5	4000	2.1	41.78	BK80-../DPE16XB4	398	13500	58700
15	32	4450	1.95	46.80	BK80-../DPE16XB4	398	14300	60900
15	28	5100	1.75	53.21	BK80-../DPE16XB4	398	14800	63100
15	25	5700	1.6	59.60	BK80-../DPE16XB4	398	15700	65500
15	21	6800	1.4	70.72	BK80-../DPE16XB4	398	16600	68700
15	19	7500	1.35	79.22	BK80-../DPE16XB4	398	17600	71300
15	16.5	8600	1.2	91.53	BK80-../DPE16XB4	398	18300	74200
15	14.5	9800	1.05	102.5	BK80-../DPE16XB4	398	20500	75000
15	13	11000	0.95	117.5	BK80-../DPE16XB4	398	22300	75000
15	11.5	12400	0.85	131.6	BK80-../DPE16XB4	398	24900	75000
15	27	5300	3.0	54.98	BK90-../DPE16XB4	651	24000	81000
15	24	5900	2.8	61.52	BK90-../DPE16XB4	651	25500	84600
15	21.5	6600	2.5	69.27	BK90-../DPE16XB4	651	27200	88900
15	19.5	7300	2.3	77.51	BK90-../DPE16XB4	651	30300	94400
15	16.5	8600	1.95	91.19	BK90-../DPE16XB4	651	33300	101000
15	14.5	9800	1.7	102.0	BK90-../DPE16XB4	651	36600	107000
15	13	11000	1.55	117.0	BK90-../DPE16XB4	651	39200	113000
15	11.5	12400	1.35	130.9	BK90-../DPE16XB4	651	42700	119400
15	9.9	14400	1.15	149.5	BK90-../DPE16XB4	651	45600	120000
15	8.9	16000	1.05	167.2	BK90-../DPE16XB4	651	49400	120000
15	8.5	16800	1.1	174.7	BK90Z-../DPE16XB4	710	49400	120000
15	7.6	18800	0.98	195.4	BK90Z-../DPE16XB4	710	49400	120000
15	6.3	22700	0.81	234.6	BK90Z-../DPE16XB4	710	49400	120000

18.5 kW

P _N	50 Hz			i	Type	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
18.5	405	400	1.8	3.67	BK50-../DPE18LB4	245	115	9400
18.5	285	570	1.4	5.26	BK50-../DPE18LB4	245	130	10700
18.5	205	790	1.05	7.29	BK50-../DPE18LB4	245	620	111000
18.5	205	860	1.7	7.29	BK60-../DPE18LB4	252	2800	14900
18.5	137	1280	1.3	10.82	BK60-../DPE18LB4	252	3200	17000
18.5	103	1710	1.15	14.41	BK60-../DPE18LB4	252	3650	18600

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

BK-series bevel geared motors

Selection - bevel geared motors DPE - IE3

18.5 kW

P _N	50 Hz			i	Type	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
18.5	81	2150	1.0	18.36	BK60-../DPE18LB4	252	4000	19900
18.5	73	2400	0.94	20.54	BK60-../DPE18LB4	252	4400	20600
18.5	61	2850	0.81	24.45	BK60-../DPE18LB4	252	4850	22000
18.5	98	1800	1.7	15.16	BK70-../DPE18LB4	329	5600	25800
18.5	86	2050	1.7	17.24	BK70-../DPE18LB4	329	6500	29200
18.5	68	2550	1.6	21.88	BK70-../DPE18LB4	329	6500	30200
18.5	60	2900	1.45	24.89	BK70-../DPE18LB4	329	7000	31500
18.5	48	3650	1.25	30.90	BK70-../DPE18LB4	329	7500	33600
18.5	42.5	4150	1.15	35.15	BK70-../DPE18LB4	329	8000	35000
18.5	37	4750	1.05	40.08	BK70-../DPE18LB4	329	8300	36300
18.5	32.5	5400	0.95	45.59	BK70-../DPE18LB4	329	9000	37900
18.5	27.5	6400	0.81	54.15	BK70-../DPE18LB4	329	9900	40200
18.5	104	1690	2.5	14.34	BK80-../DPE18LB4	443	7900	36200
18.5	94	1870	2.6	15.88	BK80-../DPE18LB4	443	8400	38600
18.5	84	2100	2.5	17.79	BK80-../DPE18LB4	443	9400	42100
18.5	77	2250	2.6	19.35	BK80-../DPE18LB4	443	9500	44000
18.5	67	2600	2.6	22.19	BK80-../DPE18LB4	443	10500	48500
18.5	60	2900	2.4	24.85	BK80-../DPE18LB4	443	11200	50400
18.5	48.5	3600	2.1	30.56	BK80-../DPE18LB4	443	11900	53400
18.5	43.5	4050	1.95	34.22	BK80-../DPE18LB4	443	12600	55400
18.5	35.5	4950	1.65	41.78	BK80-../DPE18LB4	443	13500	58700
18.5	32	5500	1.55	46.80	BK80-../DPE18LB4	443	14300	60900
18.5	28	6300	1.4	53.21	BK80-../DPE18LB4	443	14800	63100
18.5	25	7000	1.3	59.60	BK80-../DPE18LB4	443	15700	65500
18.5	21	8400	1.15	70.72	BK80-../DPE18LB4	443	16600	68700
18.5	19	9200	1.1	79.22	BK80-../DPE18LB4	443	17600	71300
18.5	16.5	10700	0.97	91.53	BK80-../DPE18LB4	443	18300	74200
18.5	14.5	12100	0.87	102.5	BK80-../DPE18LB4	443	20500	75000
18.5	36.5	4800	3.1	40.94	BK90-../DPE18LB4	698	21400	73100
18.5	32.5	5400	2.9	45.80	BK90-../DPE18LB4	698	22700	76300
18.5	27	6500	2.5	54.98	BK90-../DPE18LB4	698	24000	81000
18.5	24.5	7200	2.3	61.52	BK90-../DPE18LB4	698	25500	84600
18.5	21.5	8200	2.0	69.27	BK90-../DPE18LB4	698	27200	88900
18.5	19.5	9000	1.85	77.51	BK90-../DPE18LB4	698	30300	94400
18.5	16.5	10700	1.55	91.19	BK90-../DPE18LB4	698	33300	101000
18.5	15	11700	1.45	102.0	BK90-../DPE18LB4	698	36600	107000
18.5	13	13500	1.25	117.0	BK90-../DPE18LB4	698	39200	113000
18.5	11.5	15300	1.1	130.9	BK90-../DPE18LB4	698	42700	119400
18.5	9.9	17800	0.94	149.5	BK90-../DPE18LB4	698	45600	120000
18.5	8.9	19800	0.85	167.2	BK90-../DPE18LB4	698	49400	120000
18.5	8.5	20700	0.89	174.7	BK90Z-../DPE18LB4	751	49400	120000
18.5	7.6	23200	0.8	195.4	BK90Z-../DPE18LB4	751	49400	120000

22 kW

P _N	50 Hz			i	Type	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
22	405	475	1.5	3.67	BK50-../DPE18XB4	263	115	9400
22	285	670	1.2	5.26	BK50-../DPE18XB4	263	130	10700
22	205	940	0.86	7.29	BK50-../DPE18XB4	263	620	111000
22	205	1020	1.45	7.29	BK60-../DPE18XB4	270	2800	14900
22	137	1530	1.1	10.82	BK60-../DPE18XB4	270	3200	17000
22	103	2000	0.96	14.41	BK60-../DPE18XB4	270	3650	18600
22	81	2550	0.86	18.36	BK60-../DPE18XB4	270	4000	19900
22	98	2100	1.45	15.16	BK70-../DPE18XB4	347	5600	25800
22	86	2400	1.45	17.24	BK70-../DPE18XB4	347	6500	29200
22	68	3050	1.35	21.88	BK70-../DPE18XB4	347	6500	30200
22	60	3500	1.2	24.89	BK70-../DPE18XB4	347	7000	31500
22	48	4350	1.05	30.90	BK70-../DPE18XB4	347	7500	33600
22	42	5000	0.95	35.15	BK70-../DPE18XB4	347	8000	35000

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

BK-series bevel geared motors

Selection - bevel geared motors DPE - IE3

22 kW

P _N	50 Hz			i	Type	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
22	37	5600	0.87	40.08	BK70-../DPE18XB4	347	8300	36300
22	32.5	6400	0.8	45.59	BK70-../DPE18XB4	347	9000	37900
22	103	2000	2.1	14.34	BK80-../DPE18XB4	461	7900	36200
22	93	2250	2.1	15.88	BK80-../DPE18XB4	461	8400	38600
22	83	2500	2.1	17.79	BK80-../DPE18XB4	461	9400	42100
22	77	2700	2.1	19.35	BK80-../DPE18XB4	461	9500	44000
22	67	3100	2.2	22.19	BK80-../DPE18XB4	461	10500	48500
22	60	3500	2.0	24.85	BK80-../DPE18XB4	461	11200	50400
22	48.5	4300	1.75	30.56	BK80-../DPE18XB4	461	11900	53400
22	43.5	4800	1.65	34.22	BK80-../DPE18XB4	461	12600	55400
22	35.5	5900	1.4	41.78	BK80-../DPE18XB4	461	13500	58700
22	32	6500	1.3	46.80	BK80-../DPE18XB4	461	14300	60900
22	28	7500	1.2	53.21	BK80-../DPE18XB4	461	14800	63100
22	25	8400	1.1	59.60	BK80-../DPE18XB4	461	15700	65500
22	21	10000	0.96	70.72	BK80-../DPE18XB4	461	16600	68700
22	19	11000	0.91	79.22	BK80-../DPE18XB4	461	17600	71300
22	16.5	12700	0.82	91.53	BK80-../DPE18XB4	461	18300	74200
22	48.5	4300	3.1	30.47	BK90-../DPE18XB4	716	19100	65900
22	43.5	4800	2.9	34.09	BK90-../DPE18XB4	716	20300	68800
22	36.5	5700	2.6	40.94	BK90-../DPE18XB4	716	21400	73100
22	32.5	6400	2.4	45.80	BK90-../DPE18XB4	716	22700	76300
22	27	7700	2.1	54.98	BK90-../DPE18XB4	716	24000	81000
22	24	8700	1.95	61.52	BK90-../DPE18XB4	716	25500	84600
22	21.5	9700	1.75	69.27	BK90-../DPE18XB4	716	27200	88900
22	19.5	10700	1.55	77.51	BK90-../DPE18XB4	716	30300	94400
22	16.5	12700	1.3	91.19	BK90-../DPE18XB4	716	33300	101000
22	14.5	14400	1.15	102.0	BK90-../DPE18XB4	716	36600	107000
22	13	16100	1.05	117.0	BK90-../DPE18XB4	716	39200	113000
22	11.5	18200	0.92	130.9	BK90-../DPE18XB4	716	42700	119400

8

30 kW

P _N	50 Hz			i	Type	m		
[kW]	n ₂ [1/min]	M ₂ [Nm]	f _B [—]	[:1]		[kg]	[N]	[N]
30	98	2900	1.05	15.16	BK70-../DPE20XA4	502	5600	25800
30	86	3300	1.05	17.24	BK70-../DPE20XA4	502	6500	29200
30	68	4200	0.97	21.88	BK70-../DPE20XA4	502	6500	30200
30	60	4750	0.9	24.89	BK70-../DPE20XA4	502	7000	31500
30	104	2750	1.55	14.34	BK80-../DPE20XA4	614	7900	36200
30	94	3000	1.6	15.88	BK80-../DPE20XA4	614	8400	38600
30	84	3400	1.55	17.79	BK80-../DPE20XA4	614	9400	42100
30	77	3700	1.55	19.35	BK80-../DPE20XA4	614	9500	44000
30	67	4250	1.6	22.19	BK80-../DPE20XA4	614	10500	48500
30	60	4750	1.5	24.85	BK80-../DPE20XA4	614	11200	50400
30	48.5	5900	1.25	30.56	BK80-../DPE20XA4	614	11900	53400
30	43.5	6500	1.2	34.22	BK80-../DPE20XA4	614	12600	55400
30	35.5	8000	1.05	41.78	BK80-../DPE20XA4	614	13500	58700
30	32	8900	0.96	46.80	BK80-../DPE20XA4	614	14300	60900
30	28	10200	0.87	53.21	BK80-../DPE20XA4	614	14800	63100
30	25	11400	0.81	59.60	BK80-../DPE20XA4	614	15700	65500
30	92	3100	3.3	16.21	BK90-../DPE20XA4	869	15400	52400
30	82	3450	3.3	18.07	BK90-../DPE20XA4	869	15600	54400
30	74	3850	3.1	20.21	BK90-../DPE20XA4	869	16600	56700
30	67	4250	2.9	22.29	BK90-../DPE20XA4	869	16900	59100
30	60	4750	2.7	24.94	BK90-../DPE20XA4	869	18000	61700
30	49	5800	2.3	30.47	BK90-../DPE20XA4	869	19100	65900
30	43.5	6500	2.2	34.09	BK90-../DPE20XA4	869	20300	68800
30	36.5	7800	1.9	40.94	BK90-../DPE20XA4	869	21400	73100
30	32.5	8800	1.75	45.80	BK90-../DPE20XA4	869	22700	76300
30	27	10600	1.5	54.98	BK90-../DPE20XA4	869	24000	81000
30	24.5	11600	1.45	61.52	BK90-../DPE20XA4	869	25500	84600

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

Energy Efficient Geared Motors

AC Line Operated

30 kW

P _N	n ₂	50 Hz M ₂	f _B	i	Type	m		
[kW]	[1/min]	[Nm]	[—]	[:1]		[kg]	[N]	[N]
30	21.5	13300	1.25	69.27	BK90-../DPE20XA4	869	27200	88900
30	19.5	14600	1.15	77.51	BK90-../DPE20XA4	869	30300	94400
30	16.5	17300	0.97	91.19	BK90-../DPE20XA4	869	33300	101000
30	15	19100	0.88	102.0	BK90-../DPE20XA4	869	36600	107000

37 kW

P _N	n ₂	50 Hz M ₂	f _B	i	Type	m		
[kW]	[1/min]	[Nm]	[—]	[:1]		[kg]	[N]	[N]
37	104	3350	1.3	14.34	BK80-../DPE22MA4	670	7900	36200
37	94	3750	1.3	15.88	BK80-../DPE22MA4	670	8400	38600
37	84	4200	1.25	17.79	BK80-../DPE22MA4	670	9400	42100
37	77	4550	1.25	19.35	BK80-../DPE22MA4	670	9500	44000
37	67	5200	1.3	22.19	BK80-../DPE22MA4	670	10500	48500
37	60	5800	1.2	24.85	BK80-../DPE22MA4	670	11200	50400
37	48.5	7200	1.05	30.56	BK80-../DPE22MA4	670	11900	53400
37	103	3400	2.7	14.49	BK90-../DPE22MA4	925	14500	50400
37	92	3800	2.7	16.21	BK90-../DPE22MA4	925	15400	52400
37	82	4300	2.7	18.07	BK90-../DPE22MA4	925	15600	54400
37	74	4750	2.5	20.21	BK90-../DPE22MA4	925	16600	56700
37	67	5200	2.4	22.29	BK90-../DPE22MA4	925	16900	59100
37	60	5800	2.2	24.94	BK90-../DPE22MA4	925	18000	61700
37	49	7200	1.9	30.47	BK90-../DPE22MA4	925	19100	65900
37	43.5	8100	1.75	34.09	BK90-../DPE22MA4	925	20300	68800
37	36.5	9600	1.55	40.94	BK90-../DPE22MA4	925	21400	73100
37	32.5	10800	1.45	45.80	BK90-../DPE22MA4	925	22700	76300
37	27	13000	1.25	54.98	BK90-../DPE22MA4	925	24000	81000
37	24.5	14400	1.15	61.52	BK90-../DPE22MA4	925	25500	84600
37	21.5	16400	1.0	69.27	BK90-../DPE22MA4	925	27200	88900