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BK-series bevel-gear motors - Selection

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Energy Efficient Geared Motors

AC Line Operated / North America

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, $\phi N \geq 5^\circ$)

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 $\phi N < 5^\circ$)

Shock classification III:

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

- $FI > 4$
- $1.6 < M_x/M_N \leq 2.0$
- Shock-amplifying power transmission components (e.g. coupling with play or chain drive)

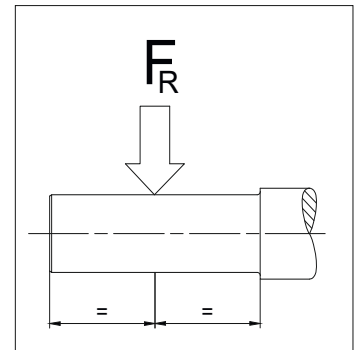
Key to abbreviations

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

Selection tables, bevel-gear motors

Key to abbreviations

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



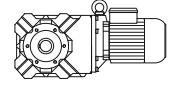
Use the selection tables to determine the size of geared motor required. The codes clearly define the Type of gear unit and output shaft (see chapter 12 "dimensional drawing bevel-gear motors").

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

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).

0.075 HP (0.055 kW)



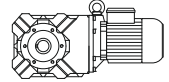
P _N			Output Torque		Type	i	Permissible Overhung Load				Weight	
			lbf-in	Nm			Standard Bearings		Reinforced Bearings		lb	kg
[kW]	RPM	SF					lb.f	N	lb.f	N		
0.075 HP (0.055 kW)	49	8.3	85	9.6	BK06-../D04LA4	33.33	297	1320	-	-	17	7.6
0.075 HP (0.055 kW)	42.5	7.2	98	11.1	BK06-../D04LA4	38.18	310	1380	-	-	17	7.6
0.075 HP (0.055 kW)	34	5.8	121	13.7	BK06-../D04LA4	47.78	337	1500	-	-	17	7.6
0.075 HP (0.055 kW)	30	4.4	137	15.5	BK06-../D04LA4	54.38	360	1600	-	-	17	7.6
0.075 HP (0.055 kW)	26	3.5	158	17.9	BK06-../D04LA4	63.33	382	1700	-	-	17	7.6
0.075 HP (0.055 kW)	6.3	2.9	602	68	BK10Z-../D04LA4	257.9	1574	7000	-	-	46	21
0.075 HP (0.055 kW)	5.4	2.4	690	78	BK10Z-../D04LA4	302.4	1574	7000	-	-	46	21
0.075 HP (0.055 kW)	4.5	3.1	823	93	BK20Z-../D04LA4	367.7	1956	8700	2023	9000	68	31
0.075 HP (0.055 kW)	4.4	1.7	850	96	BK10Z-../D04LA4	373.4	1574	7000	-	-	46	21
0.075 HP (0.055 kW)	3.8	1.35	974	110	BK10Z-../D04LA4	428.8	1574	7000	-	-	46	21
0.075 HP (0.055 kW)	3.6	2.3	832	94	BK10G06-../D04LA4	459.2	1574	7000	-	-	55	25
0.075 HP (0.055 kW)	3.3	2.1	912	103	BK10G06-../D04LA4	501.4	1574	7000	-	-	55	25
0.075 HP (0.055 kW)	3.1	3.3	974	110	BK20G06-../D04LA4	524.5	1956	8700	2023	9000	75	34
0.075 HP (0.055 kW)	3.0	1.9	1018	115	BK10G06-../D04LA4	552.3	1574	7000	-	-	55	25
0.075 HP (0.055 kW)	2.6	1.65	1186	134	BK10G06-../D04LA4	635.5	1574	7000	-	-	55	25
0.075 HP (0.055 kW)	2.6	2.7	1177	133	BK20G06-../D04LA4	630.0	1956	8700	2023	9000	75	34
0.075 HP (0.055 kW)	2.2	2.2	1425	161	BK20G06-../D04LA4	757.0	1956	8700	2023	9000	75	34
0.075 HP (0.055 kW)	2.2	3.0	1425	161	BK30G06-../D04LA4	743.0	2518	11200	2698	12000	88	40
0.075 HP (0.055 kW)	2.1	1.3	1505	170	BK10G06-../D04LA4	789.7	1574	7000	-	-	55	25
0.075 HP (0.055 kW)	2.0	2.8	1575	178	BK30G06-../D04LA4	810.9	2518	11200	2698	12000	88	40
0.075 HP (0.055 kW)	1.9	1.95	1646	186	BK20G06-../D04LA4	891.2	1956	8700	2023	9000	75	34
0.075 HP (0.055 kW)	1.8	1.1	1744	197	BK10G06-../D04LA4	929.3	1574	7000	-	-	55	25
0.075 HP (0.055 kW)	1.7	2.4	1814	205	BK30G06-../D04LA4	954.1	2518	11200	2698	12000	88	40
0.075 HP (0.055 kW)	1.6	1.65	1947	220	BK20G06-../D04LA4	1066	1956	8700	2023	9000	75	34
0.075 HP (0.055 kW)	1.5	0.94	2080	235	BK10G06-../D04LA4	1112	1574	7000	-	-	55	25
0.075 HP (0.055 kW)	1.5	2.1	2080	235	BK30G06-../D04LA4	1142	2518	11200	2698	12000	88	40
0.075 HP (0.055 kW)	1.3	1.3	2434	275	BK20G06-../D04LA4	1305	1956	8700	2023	9000	75	34
0.075 HP (0.055 kW)	1.3	1.8	2434	275	BK30G06-../D04LA4	1281	2518	11200	2698	12000	88	40
0.075 HP (0.055 kW)	1.2	1.0	1947*	220*	BK10G06-../D04LA4	1361	1574	7000	-	-	55	25
0.075 HP (0.055 kW)	1.2	1.2	2655	300	BK20G06-../D04LA4	1424	1956	8700	2023	9000	75	34
0.075 HP (0.055 kW)	1.1	1.0	1947*	220*	BK10G06-../D04LA4	1577	1574	7000	-	-	55	25
0.075 HP (0.055 kW)	1.0	1.0	3186	360	BK20G06-../D04LA4	1650	1956	8700	2023	9000	75	34
0.075 HP (0.055 kW)	1.0	1.35	3186	360	BK30G06-../D04LA4	1620	2518	11200	2698	12000	88	40
0.075 HP (0.055 kW)	0.95	1.25	3408	385	BK30G06-../D04LA4	1767	2518	11200	2698	12000	88	40
0.075 HP (0.055 kW)	0.85	1.0	1947*	220*	BK10G06-../D04LA4	1971	1574	7000	-	-	55	25
0.075 HP (0.055 kW)	0.85	1.15	3806	430	BK30G06-../D04LA4	2024	2518	11200	2698	12000	88	40
0.075 HP (0.055 kW)	0.8	1.0	3186*	360*	BK20G06-../D04LA4	2062	1956	8700	2023	9000	75	34
0.075 HP (0.055 kW)	0.75	1.0	1947*	220*	BK10G06-../D04LA4	2261	1574	7000	-	-	55	25
0.075 HP (0.055 kW)	0.7	1.0	1947*	220*	BK10G06-../D04LA4	2467	1574	7000	-	-	55	25
0.075 HP (0.055 kW)	0.7	1.0	3186*	360*	BK20G06-../D04LA4	2366	1956	8700	2023	9000	75	34
0.075 HP (0.055 kW)	0.65	1.0	3186*	360*	BK20G06-../D04LA4	2580	1956	8700	2023	9000	75	34
0.075 HP (0.055 kW)	0.65	1.0	4337*	490*	BK30G06-../D04LA4	2533	2518	11200	2698	12000	88	40
0.075 HP (0.055 kW)	0.6	1.0	1947*	220*	BK10G06-../D04LA4	2849	1574	7000	-	-	55	25
0.075 HP (0.055 kW)	0.6	1.0	3186*	360*	BK20G06-../D04LA4	2831	1956	8700	2023	9000	75	34
0.075 HP (0.055 kW)	0.6	1.0	4337*	490*	BK30G06-../D04LA4	2738	2518	11200	2698	12000	88	40
0.075 HP (0.055 kW)	0.55	1.0	1947*	220*	BK10G06-../D04LA4	3107	1574	7000	-	-	55	25
0.075 HP (0.055 kW)	0.55	1.0	3186*	360*	BK20G06-../D04LA4	3088	1956	8700	2023	9000	75	34
0.075 HP (0.055 kW)	0.55	1.0	4337*	490*	BK30G06-../D04LA4	2986	2518	11200	2698	12000	88	40
0.075 HP (0.055 kW)	0.48	1.0	4337*	490*	BK30G06-../D04LA4	3399	2518	11200	2698	12000	88	40
0.075 HP (0.055 kW)	0.47	1.0	3186*	360*	BK20G06-../D04LA4	3515	1956	8700	2023	9000	75	34
0.075 HP (0.055 kW)	0.46	1.0	1947*	220*	BK10G06-../D04LA4	3537	1574	7000	-	-	55	25
0.075 HP (0.055 kW)	0.41	1.0	4337*	490*	BK30G06-../D04LA4	3959	2518	11200	2698	12000	88	40
0.075 HP (0.055 kW)	0.4	1.0	1947*	220*	BK10G06-../D04LA4	4120	1574	7000	-	-	55	25
0.075 HP (0.055 kW)	0.4	1.0	3186*	360*	BK20G06-../D04LA4	4094	1956	8700	2023	9000	75	34

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

BK-series bevel geared motors

Selection - bevel geared motors

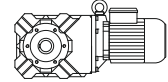
0.1 HP (0.075 kW)



P _N			Output Torque		Type	i	Permissible Overhung Load				Weight	
			lbf-in	Nm			Standard Bearings		Reinforced Bearings		lb	kg
[kW]	RPM	SF					lb.f	N	lb.f	N		
0.1 HP (0.075 kW)	76	9.5	74	8.4	BK06-../D04LA4	21.54	259	1150	-	-	17	7.6
0.1 HP (0.075 kW)	62	7.8	91	10.3	BK06-../D04LA4	26.36	277	1230	-	-	17	7.6
0.1 HP (0.075 kW)	49	6.1	116	13.1	BK06-../D04LA4	33.33	297	1320	-	-	17	7.6
0.1 HP (0.075 kW)	42.5	5.3	134	15.1	BK06-../D04LA4	38.18	310	1380	-	-	17	7.6
0.1 HP (0.075 kW)	34	4.3	166	18.7	BK06-../D04LA4	47.78	337	1500	-	-	17	7.6
0.1 HP (0.075 kW)	30	3.2	186	21	BK06-../D04LA4	54.38	360	1600	-	-	17	7.6
0.1 HP (0.075 kW)	26	2.6	217	24.5	BK06-../D04LA4	63.33	382	1700	-	-	17	7.6
0.1 HP (0.075 kW)	13.5	3.0	398	45	BK10Z-../D06LA4	120.3	1574	7000	-	-	53	24
0.1 HP (0.075 kW)	11.5	3.1	460	52	BK10Z-../D06LA4	143.2	1574	7000	-	-	53	24
0.1 HP (0.075 kW)	9.5	3.2	549	62	BK10Z-../D06LA4	170.6	1574	7000	-	-	53	24
0.1 HP (0.075 kW)	8.0	2.7	646	73	BK10Z-../D06LA4	204.7	1574	7000	-	-	53	24
0.1 HP (0.075 kW)	6.3	2.2	823	93	BK10Z-../D06LA4	257.9	1574	7000	-	-	53	24
0.1 HP (0.075 kW)	5.5	3.0	929	105	BK20Z-../D06LA4	298.2	1956	8700	2023	9000	75	34
0.1 HP (0.075 kW)	5.4	1.7	947	107	BK10Z-../D06LA4	302.4	1574	7000	-	-	53	24
0.1 HP (0.075 kW)	4.5	2.3	1124	127	BK20Z-../D06LA4	367.7	1956	8700	2023	9000	75	34
0.1 HP (0.075 kW)	4.4	1.25	1159	131	BK10Z-../D06LA4	373.4	1574	7000	-	-	53	24
0.1 HP (0.075 kW)	4.3	3.0	1186	134	BK30Z-../D06LA4	380.7	2518	11200	2698	12000	90	41
0.1 HP (0.075 kW)	3.8	0.99	1328	150	BK10Z-../D06LA4	428.8	1574	7000	-	-	53	24
0.1 HP (0.075 kW)	3.8	2.8	1133	128	BK20G06-../D06LA4	429.7	1956	8700	2023	9000	84	38
0.1 HP (0.075 kW)	3.7	2.5	1363	154	BK30Z-../D06LA4	441.3	2518	11200	2698	12000	90	41
0.1 HP (0.075 kW)	3.6	1.6	1204	136	BK10G06-../D06LA4	459.2	1574	7000	-	-	62	28
0.1 HP (0.075 kW)	3.4	2.5	1275	144	BK20G06-../D06LA4	480.4	1956	8700	2023	9000	84	38
0.1 HP (0.075 kW)	3.3	1.5	1319	149	BK10G06-../D06LA4	501.4	1574	7000	-	-	62	28
0.1 HP (0.075 kW)	3.1	2.3	1407	159	BK20G06-../D06LA4	524.5	1956	8700	2023	9000	84	38
0.1 HP (0.075 kW)	3.0	1.35	1460	165	BK10G06-../D06LA4	552.3	1574	7000	-	-	62	28
0.1 HP (0.075 kW)	2.9	2.9	1513	171	BK30G06-../D06LA4	567.0	2518	11200	2698	12000	97	44
0.1 HP (0.075 kW)	2.6	1.15	1708	193	BK10G06-../D06LA4	635.5	1574	7000	-	-	62	28
0.1 HP (0.075 kW)	2.6	1.9	1690	191	BK20G06-../D06LA4	630.0	1956	8700	2023	9000	84	38
0.1 HP (0.075 kW)	2.5	2.5	1770	200	BK30G06-../D06LA4	652.5	2518	11200	2698	12000	97	44
0.1 HP (0.075 kW)	2.2	1.6	1991	225	BK20G06-../D06LA4	757.0	1956	8700	2023	9000	84	38
0.1 HP (0.075 kW)	2.2	2.2	1991	225	BK30G06-../D06LA4	743.0	2518	11200	2698	12000	97	44
0.1 HP (0.075 kW)	2.1	0.92	2124	240	BK10G06-../D06LA4	789.7	1574	7000	-	-	62	28
0.1 HP (0.075 kW)	2.0	1.95	2213	250	BK30G06-../D06LA4	810.9	2518	11200	2698	12000	97	44
0.1 HP (0.075 kW)	1.9	1.35	2345	265	BK20G06-../D06LA4	891.2	1956	8700	2023	9000	84	38
0.1 HP (0.075 kW)	1.7	1.65	2611	295	BK30G06-../D06LA4	954.1	2518	11200	2698	12000	97	44
0.1 HP (0.075 kW)	1.6	1.15	2788	315	BK20G06-../D06LA4	1066	1956	8700	2023	9000	84	38
0.1 HP (0.075 kW)	1.5	1.45	2965	335	BK30G06-../D06LA4	1142	2518	11200	2698	12000	97	44
0.1 HP (0.075 kW)	1.4	2.7	2832	320	BK40G10-../D06LA4	1189	2630	11700	3822	17000	150	68
0.1 HP (0.075 kW)	1.3	0.94	3408	385	BK20G06-../D06LA4	1305	1956	8700	2023	9000	84	38
0.1 HP (0.075 kW)	1.3	1.25	3408	385	BK30G06-../D06LA4	1281	2518	11200	2698	12000	97	44
0.1 HP (0.075 kW)	1.2	0.86	3717	420	BK20G06-../D06LA4	1424	1956	8700	2023	9000	84	38
0.1 HP (0.075 kW)	1.2	2.2	3408	385	BK40G10-../D06LA4	1428	2630	11700	3822	17000	150	68
0.1 HP (0.075 kW)	1.2	2.9	3452	390	BK50G10-../D06LA4	1398	3170	14100	24954	111000	212	96
0.1 HP (0.075 kW)	1.1	2.6	3850	435	BK50G10-../D06LA4	1549	3170	14100	24954	111000	212	96
0.1 HP (0.075 kW)	1.0	0.96	4514	510	BK30G06-../D06LA4	1620	2518	11200	2698	12000	97	44
0.1 HP (0.075 kW)	0.95	1.7	4425	500	BK40G10-../D06LA4	1798	2630	11700	3822	17000	150	68
0.1 HP (0.075 kW)	0.9	2.2	4691	530	BK50G10-../D06LA4	1816	3170	14100	24954	111000	212	96
0.1 HP (0.075 kW)	0.85	2.0	5045	570	BK50G10-../D06LA4	2024	3170	14100	24954	111000	212	96
0.1 HP (0.075 kW)	0.8	1.4	5310	600	BK40G10-../D06LA4	2108	2630	11700	3822	17000	150	68
0.1 HP (0.075 kW)	0.7	1.25	6107	690	BK40G10-../D06LA4	2350	2630	11700	3822	17000	150	68
0.1 HP (0.075 kW)	0.7	1.7	6019	680	BK50G10-../D06LA4	2450	3170	14100	24954	111000	212	96
0.1 HP (0.075 kW)	0.65	1.15	6638	750	BK40G10-../D06LA4	2604	2630	11700	3822	17000	150	68
0.1 HP (0.075 kW)	0.6	1.45	7081	800	BK50G10-../D06LA4	2730	3170	14100	24954	111000	212	96
0.1 HP (0.075 kW)	0.55	1.3	7789	880	BK50G10-../D06LA4	3025	3170	14100	24954	111000	212	96
0.1 HP (0.075 kW)	0.55	3.3	6638	750	BK60G20-../D06LA4	3036	3732	16600	7644	34000	271	123
0.1 HP (0.075 kW)	0.47	1.15	8939	1010	BK50G10-../D06LA4	3492	3170	14100	24954	111000	212	96
0.1 HP (0.075 kW)	0.46	2.5	8851	1000	BK60G20-../D06LA4	3533	3732	16600	7644	34000	271	123
0.1 HP (0.075 kW)	0.42	1.0	10090	1140	BK50G10-../D06LA4	3870	3170	14100	24954	111000	212	96

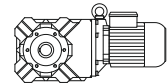
The torques marked (*) are maximum permissible torques for service factor f_B=1.0.

0.1 HP (0.075 kW)



P _N			Output Torque		Type	i	Permissible Overhung Load				Weight	
			lb·f-in	Nm			Standard Bearings		Reinforced Bearings		lb	kg
[kW]	RPM	SF					lb·f	N	lb·f	N		
0.1 HP (0.075 kW)	0.39	1.95	11329	1280	BK60G20-../D06LA4	4239	3732	16600	7644	34000	271	123
0.1 HP (0.075 kW)	0.32	1.5	14958	1690	BK60G20-../D06LA4	5072	3732	16600	7644	34000	271	123
0.1 HP (0.075 kW)	0.29	1.3	16993	1920	BK60G20-../D06LA4	5721	3732	16600	7644	34000	271	123
0.1 HP (0.075 kW)	0.25	1.1	20357	2300	BK60G20-../D06LA4	6565	3732	16600	7644	34000	271	123
0.1 HP (0.075 kW)	0.25	2.7	19029	2150	BK70G20-../D06LA4	6504	5418	24100	11240	50000	443	201
0.1 HP (0.075 kW)	0.2	2.0	25225	2850	BK70G20-../D06LA4	8149	5418	24100	11240	50000	443	201
0.1 HP (0.075 kW)	0.18	1.75	28765	3250	BK70G20-../D06LA4	9351	5418	24100	11240	50000	443	201
0.1 HP (0.075 kW)	0.15	1.4	35846	4050	BK70G20-../D06LA4	11529	5418	24100	11240	50000	443	201

0.12 HP (0.09 kW)



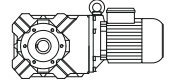
P _N			Output Torque		Type	i	Permissible Overhung Load				Weight	
			lb·f-in	Nm			Standard Bearings		Reinforced Bearings		lb	kg
[kW]	RPM	SF					lb·f	N	lb·f	N		
0.12 HP (0.09 kW)	90	9.4	75	8.5	BK06-../D04LA4	18.00	243	1080	-	-	17	7.6
0.12 HP (0.09 kW)	76	7.9	89	10.1	BK06-../D04LA4	21.54	259	1150	-	-	17	7.6
0.12 HP (0.09 kW)	62	6.5	110	12.4	BK06-../D04LA4	26.36	277	1230	-	-	17	7.6
0.12 HP (0.09 kW)	49	5.1	139	15.7	BK06-../D04LA4	33.33	297	1320	-	-	17	7.6
0.12 HP (0.09 kW)	42.5	4.4	161	18.2	BK06-../D04LA4	38.18	310	1380	-	-	17	7.6
0.12 HP (0.09 kW)	34	3.6	195	22	BK06-../D04LA4	47.78	337	1500	-	-	17	7.6
0.12 HP (0.09 kW)	30	2.7	221	25	BK06-../D04LA4	54.38	360	1600	-	-	17	7.6
0.12 HP (0.09 kW)	26	2.2	257	29	BK06-../D04LA4	63.33	382	1700	-	-	17	7.6
0.12 HP (0.09 kW)	13.5	2.5	478	54	BK10Z-../D06LA4	120.3	1574	7000	-	-	53	24
0.12 HP (0.09 kW)	11.5	2.6	549	62	BK10Z-../D06LA4	143.2	1574	7000	-	-	53	24
0.12 HP (0.09 kW)	9.5	2.7	664	75	BK10Z-../D06LA4	170.6	1574	7000	-	-	53	24
0.12 HP (0.09 kW)	8.0	2.3	779	88	BK10Z-../D06LA4	204.7	1574	7000	-	-	53	24
0.12 HP (0.09 kW)	6.3	1.8	982	111	BK10Z-../D06LA4	257.9	1574	7000	-	-	53	24
0.12 HP (0.09 kW)	6.3	3.0	982	111	BK20Z-../D06LA4	259.9	1956	8700	2023	9000	75	34
0.12 HP (0.09 kW)	5.5	2.5	1115	126	BK20Z-../D06LA4	298.2	1956	8700	2023	9000	75	34
0.12 HP (0.09 kW)	5.4	1.45	1133	128	BK10Z-../D06LA4	302.4	1574	7000	-	-	53	24
0.12 HP (0.09 kW)	5.3	2.9	1168	132	BK30Z-../D06LA4	308.3	2518	11200	2698	12000	90	41
0.12 HP (0.09 kW)	4.5	1.9	1345	152	BK20Z-../D06LA4	367.7	1956	8700	2023	9000	75	34
0.12 HP (0.09 kW)	4.4	1.05	1398	158	BK10Z-../D06LA4	373.4	1574	7000	-	-	53	24
0.12 HP (0.09 kW)	4.3	2.5	1425	161	BK30Z-../D06LA4	380.7	2518	11200	2698	12000	90	41
0.12 HP (0.09 kW)	3.8	0.82	1593	180	BK10Z-../D06LA4	428.8	1574	7000	-	-	53	24
0.12 HP (0.09 kW)	3.8	2.3	1407	159	BK20G06-../D06LA4	429.7	1956	8700	2023	9000	84	38
0.12 HP (0.09 kW)	3.8	3.2	1593	180	BK40Z-../D06LA4	430.0	2630	11700	3822	17000	141	64
0.12 HP (0.09 kW)	3.7	2.1	1637	185	BK30Z-../D06LA4	441.3	2518	11200	2698	12000	90	41
0.12 HP (0.09 kW)	3.6	1.3	1487	168	BK10G06-../D06LA4	459.2	1574	7000	-	-	62	28
0.12 HP (0.09 kW)	3.5	2.8	1531	173	BK30G06-../D06LA4	471.5	2518	11200	2698	12000	97	44
0.12 HP (0.09 kW)	3.4	2.0	1575	178	BK20G06-../D06LA4	480.4	1956	8700	2023	9000	84	38
0.12 HP (0.09 kW)	3.3	1.2	1629	184	BK10G06-../D06LA4	501.4	1574	7000	-	-	62	28
0.12 HP (0.09 kW)	3.1	1.85	1735	196	BK20G06-../D06LA4	524.5	1956	8700	2023	9000	84	38
0.12 HP (0.09 kW)	3.0	1.1	1770	200	BK10G06-../D06LA4	552.3	1574	7000	-	-	62	28
0.12 HP (0.09 kW)	2.9	2.3	1859	210	BK30G06-../D06LA4	567.0	2518	11200	2698	12000	97	44
0.12 HP (0.09 kW)	2.6	0.94	2080	235	BK10G06-../D06LA4	635.5	1574	7000	-	-	62	28
0.12 HP (0.09 kW)	2.6	1.55	2080	235	BK20G06-../D06LA4	630.0	1956	8700	2023	9000	84	38
0.12 HP (0.09 kW)	2.5	2.0	2168	245	BK30G06-../D06LA4	652.5	2518	11200	2698	12000	97	44
0.12 HP (0.09 kW)	2.2	1.3	2478	280	BK20G06-../D06LA4	757.0	1956	8700	2023	9000	84	38
0.12 HP (0.09 kW)	2.2	1.75	2478	280	BK30G06-../D06LA4	743.0	2518	11200	2698	12000	97	44
0.12 HP (0.09 kW)	2.0	1.6	2699	305	BK30G06-../D06LA4	810.9	2518	11200	2698	12000	97	44
0.12 HP (0.09 kW)	2.0	3.3	2301	260	BK40G10-../D06LA4	838.4	2630	11700	3822	17000	150	68
0.12 HP (0.09 kW)	1.9	1.15	2832	320	BK20G06-../D06LA4	891.2	1956	8700	2023	9000	84	38

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

BK-series bevel geared motors

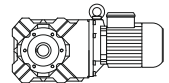
Selection - bevel geared motors

0.12 HP (0.09 kW)



P _N			Output Torque		Type	i	Permissible Overhung Load				Weight	
			lb·f-in	Nm			Standard Bearings		Reinforced Bearings		lb	kg
[kW]	RPM	SF					lb·f	N	lb·f	N		
0.12 HP (0.09 kW)	1.7	1.35	3186	360	BK30G06-../D06LA4	954.1	2518	11200	2698	12000	97	44
0.12 HP (0.09 kW)	1.7	2.7	2832	320	BK40G10-../D06LA4	998.3	2630	11700	3822	17000	150	68
0.12 HP (0.09 kW)	1.6	0.94	3408	385	BK20G06-../D06LA4	1066	1956	8700	2023	9000	84	38
0.12 HP (0.09 kW)	1.6	3.3	3098	350	BK50G10-../D06LA4	1024	3170	14100	24954	111000	212	96
0.12 HP (0.09 kW)	1.5	1.2	3629	410	BK30G06-../D06LA4	1142	2518	11200	2698	12000	97	44
0.12 HP (0.09 kW)	1.4	2.2	3496	395	BK40G10-../D06LA4	1189	2630	11700	3822	17000	150	68
0.12 HP (0.09 kW)	1.4	2.8	3629	410	BK50G10-../D06LA4	1230	3170	14100	24954	111000	212	96
0.12 HP (0.09 kW)	1.3	1.05	4160	470	BK30G06-../D06LA4	1281	2518	11200	2698	12000	97	44
0.12 HP (0.09 kW)	1.2	1.8	4204	475	BK40G10-../D06LA4	1428	2630	11700	3822	17000	150	68
0.12 HP (0.09 kW)	1.2	2.4	4293	485	BK50G10-../D06LA4	1398	3170	14100	24954	111000	212	96
0.12 HP (0.09 kW)	1.1	2.2	4691	530	BK50G10-../D06LA4	1549	3170	14100	24954	111000	212	96
0.12 HP (0.09 kW)	1.0	0.8	5399	610	BK30G06-../D06LA4	1620	2518	11200	2698	12000	97	44
0.12 HP (0.09 kW)	0.95	1.4	5399	610	BK40G10-../D06LA4	1798	2630	11700	3822	17000	150	68
0.12 HP (0.09 kW)	0.9	1.75	5753	650	BK50G10-../D06LA4	1816	3170	14100	24954	111000	212	96
0.12 HP (0.09 kW)	0.85	1.65	6196	700	BK50G10-../D06LA4	2024	3170	14100	24954	111000	212	96
0.12 HP (0.09 kW)	0.8	1.15	6461	730	BK40G10-../D06LA4	2108	2630	11700	3822	17000	150	68
0.12 HP (0.09 kW)	0.7	1.0	7435	840	BK40G10-../D06LA4	2350	2630	11700	3822	17000	150	68
0.12 HP (0.09 kW)	0.7	1.4	7346	830	BK50G10-../D06LA4	2450	3170	14100	24954	111000	212	96
0.12 HP (0.09 kW)	0.6	1.15	8674	980	BK50G10-../D06LA4	2730	3170	14100	24954	111000	212	96
0.12 HP (0.09 kW)	0.6	2.8	7877	890	BK60G20-../D06LA4	2733	3732	16600	7644	34000	271	123
0.12 HP (0.09 kW)	0.55	1.05	9470	1070	BK50G10-../D06LA4	3025	3170	14100	24954	111000	212	96
0.12 HP (0.09 kW)	0.55	2.5	8939	1010	BK60G20-../D06LA4	3036	3732	16600	7644	34000	271	123
0.12 HP (0.09 kW)	0.46	1.9	11683	1320	BK60G20-../D06LA4	3533	3732	16600	7644	34000	271	123
0.12 HP (0.09 kW)	0.39	1.5	14604	1650	BK60G20-../D06LA4	4239	3732	16600	7644	34000	271	123
0.12 HP (0.09 kW)	0.32	1.2	18587	2100	BK60G20-../D06LA4	5072	3732	16600	7644	34000	271	123
0.12 HP (0.09 kW)	0.3	2.7	19029	2150	BK70G20-../D06LA4	5436	5418	24100	11240	50000	443	201
0.12 HP (0.09 kW)	0.29	1.05	21242	2400	BK60G20-../D06LA4	5721	3732	16600	7644	34000	271	123
0.12 HP (0.09 kW)	0.25	2.1	23897	2700	BK70G20-../D06LA4	6504	5418	24100	11240	50000	443	201
0.12 HP (0.09 kW)	0.2	1.6	31420	3550	BK70G20-../D06LA4	8149	5418	24100	11240	50000	443	201
0.12 HP (0.09 kW)	0.18	1.4	35846	4050	BK70G20-../D06LA4	9351	5418	24100	11240	50000	443	201
0.12 HP (0.09 kW)	0.15	1.15	44254	5000	BK70G20-../D06LA4	11529	5418	24100	11240	50000	443	201

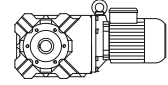
0.15 HP (0.11 kW)



P _N			Output Torque		Type	i	Permissible Overhung Load				Weight	
			lb·f-in	Nm			Standard Bearings		Reinforced Bearings		lb	kg
[kW]	RPM	SF					lb·f	N	lb·f	N		
0.15 HP (0.11 kW)	106	8.9	80	9.0	BK06-../D04LA4	15.29	229	1020	-	-	17	7.6
0.15 HP (0.11 kW)	90	7.6	93	10.5	BK06-../D04LA4	18.00	243	1080	-	-	17	7.6
0.15 HP (0.11 kW)	76	6.5	110	12.4	BK06-../D04LA4	21.54	259	1150	-	-	17	7.6
0.15 HP (0.11 kW)	62	5.3	135	15.2	BK06-../D04LA4	26.36	277	1230	-	-	17	7.6
0.15 HP (0.11 kW)	49	4.2	170	19.2	BK06-../D04LA4	33.33	297	1320	-	-	17	7.6
0.15 HP (0.11 kW)	42.5	3.6	195	22	BK06-../D04LA4	38.18	310	1380	-	-	17	7.6
0.15 HP (0.11 kW)	34	3.0	239	27	BK06-../D04LA4	47.78	337	1500	-	-	17	7.6
0.15 HP (0.11 kW)	30	2.2	274	31	BK06-../D04LA4	54.38	360	1600	-	-	17	7.6
0.15 HP (0.11 kW)	26	1.8	314	35.5	BK06-../D04LA4	63.33	382	1700	-	-	17	7.6
0.15 HP (0.11 kW)	16	2.9	487	55	BK10-../D06LA4	102.5	1574	7000	-	-	51	23
0.15 HP (0.11 kW)	13.5	2.1	584	66	BK10Z-../D06LA4	120.3	1574	7000	-	-	53	24
0.15 HP (0.11 kW)	11.5	2.1	673	76	BK10Z-../D06LA4	143.2	1574	7000	-	-	53	24
0.15 HP (0.11 kW)	9.5	2.2	805	91	BK10Z-../D06LA4	170.6	1574	7000	-	-	53	24
0.15 HP (0.11 kW)	8.0	1.85	947	107	BK10Z-../D06LA4	204.7	1574	7000	-	-	53	24
0.15 HP (0.11 kW)	7.9	3.0	965	109	BK20Z-../D06LA4	207.5	1956	8700	2023	9000	75	34
0.15 HP (0.11 kW)	6.3	1.45	1204	136	BK10Z-../D06LA4	257.9	1574	7000	-	-	53	24

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

0.15 HP (0.11 kW)



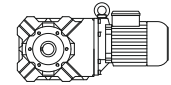
P _N			Output Torque		Type	i	Permissible Overhung Load				Weight	
			lbf-in	Nm			Standard Bearings		Reinforced Bearings		lb	kg
[kW]	RPM	SF					lb.f	N	lb.f	N		
0.15 HP (0.11 kW)	6.3	2.4	1204	136	BK20Z-../D06LA4	259.9	1956	8700	2023	9000	75	34
0.15 HP (0.11 kW)	5.5	2.0	1363	154	BK20Z-../D06LA4	298.2	1956	8700	2023	9000	75	34
0.15 HP (0.11 kW)	5.4	1.15	1390	157	BK10Z-../D06LA4	302.4	1574	7000	-	-	53	24
0.15 HP (0.11 kW)	5.3	2.4	1434	162	BK30Z-../D06LA4	308.3	2518	11200	2698	12000	90	41
0.15 HP (0.11 kW)	4.7	3.2	1602	181	BK40Z-../D06LA4	348.7	2630	11700	3822	17000	141	64
0.15 HP (0.11 kW)	4.5	1.55	1646	186	BK20Z-../D06LA4	367.7	1956	8700	2023	9000	75	34
0.15 HP (0.11 kW)	4.4	0.85	1708	193	BK10Z-../D06LA4	373.4	1574	7000	-	-	53	24
0.15 HP (0.11 kW)	4.3	2.0	1744	197	BK30Z-../D06LA4	380.7	2518	11200	2698	12000	90	41
0.15 HP (0.11 kW)	4.0	1.15	1682	190	BK10G06-../D06LA4	410.8	1574	7000	-	-	62	28
0.15 HP (0.11 kW)	3.8	1.8	1761	199	BK20G06-../D06LA4	429.7	1956	8700	2023	9000	84	38
0.15 HP (0.11 kW)	3.8	2.6	1947	220	BK40Z-../D06LA4	430.0	2630	11700	3822	17000	141	64
0.15 HP (0.11 kW)	3.7	1.7	1991	225	BK30Z-../D06LA4	441.3	2518	11200	2698	12000	90	41
0.15 HP (0.11 kW)	3.6	1.05	1859	210	BK10G06-../D06LA4	459.2	1574	7000	-	-	62	28
0.15 HP (0.11 kW)	3.5	2.3	1903	215	BK30G06-../D06LA4	471.5	2518	11200	2698	12000	97	44
0.15 HP (0.11 kW)	3.4	1.65	1947	220	BK20G06-../D06LA4	480.4	1956	8700	2023	9000	84	38
0.15 HP (0.11 kW)	3.3	0.96	2036	230	BK10G06-../D06LA4	501.4	1574	7000	-	-	62	28
0.15 HP (0.11 kW)	3.1	1.45	2168	245	BK20G06-../D06LA4	524.5	1956	8700	2023	9000	84	38
0.15 HP (0.11 kW)	3.0	0.88	2213	250	BK10G06-../D06LA4	552.3	1574	7000	-	-	62	28
0.15 HP (0.11 kW)	2.9	1.9	2301	260	BK30G06-../D06LA4	567.0	2518	11200	2698	12000	97	44
0.15 HP (0.11 kW)	2.6	1.25	2567	290	BK20G06-../D06LA4	630.0	1956	8700	2023	9000	84	38
0.15 HP (0.11 kW)	2.5	1.6	2699	305	BK30G06-../D06LA4	652.5	2518	11200	2698	12000	97	44
0.15 HP (0.11 kW)	2.5	3.3	2257	255	BK40G10-../D06LA4	660.2	2630	11700	3822	17000	150	68
0.15 HP (0.11 kW)	2.2	1.05	3054	345	BK20G06-../D06LA4	757.0	1956	8700	2023	9000	84	38
0.15 HP (0.11 kW)	2.2	1.4	3054	345	BK30G06-../D06LA4	743.0	2518	11200	2698	12000	97	44
0.15 HP (0.11 kW)	2.2	2.8	2655	300	BK40G10-../D06LA4	756.7	2630	11700	3822	17000	150	68
0.15 HP (0.11 kW)	2.0	1.3	3363	380	BK30G06-../D06LA4	810.9	2518	11200	2698	12000	97	44
0.15 HP (0.11 kW)	2.0	2.5	2965	335	BK40G10-../D06LA4	838.4	2630	11700	3822	17000	150	68
0.15 HP (0.11 kW)	1.9	0.9	3540	400	BK20G06-../D06LA4	891.2	1956	8700	2023	9000	84	38
0.15 HP (0.11 kW)	1.9	3.2	3231	365	BK50G10-../D06LA4	859.8	3170	14100	24954	111000	212	96
0.15 HP (0.11 kW)	1.7	1.1	3939	445	BK30G06-../D06LA4	954.1	2518	11200	2698	12000	97	44
0.15 HP (0.11 kW)	1.7	2.1	3585	405	BK40G10-../D06LA4	998.3	2630	11700	3822	17000	150	68
0.15 HP (0.11 kW)	1.6	2.6	3894	440	BK50G10-../D06LA4	1024	3170	14100	24954	111000	212	96
0.15 HP (0.11 kW)	1.5	0.96	4514	510	BK30G06-../D06LA4	1142	2518	11200	2698	12000	97	44
0.15 HP (0.11 kW)	1.4	1.7	4425	500	BK40G10-../D06LA4	1189	2630	11700	3822	17000	150	68
0.15 HP (0.11 kW)	1.4	2.3	4514	510	BK50G10-../D06LA4	1230	3170	14100	24954	111000	212	96
0.15 HP (0.11 kW)	1.3	0.84	5133	580	BK30G06-../D06LA4	1281	2518	11200	2698	12000	97	44
0.15 HP (0.11 kW)	1.2	1.45	5222	590	BK40G10-../D06LA4	1428	2630	11700	3822	17000	150	68
0.15 HP (0.11 kW)	1.2	1.9	5310	600	BK50G10-../D06LA4	1398	3170	14100	24954	111000	212	96
0.15 HP (0.11 kW)	1.1	1.75	5841	660	BK50G10-../D06LA4	1549	3170	14100	24954	111000	212	96
0.15 HP (0.11 kW)	0.95	1.1	6727	760	BK40G10-../D06LA4	1798	2630	11700	3822	17000	150	68
0.15 HP (0.11 kW)	0.9	1.4	7169	810	BK50G10-../D06LA4	1816	3170	14100	24954	111000	212	96
0.15 HP (0.11 kW)	0.85	1.3	7700	870	BK50G10-../D06LA4	2024	3170	14100	24954	111000	212	96
0.15 HP (0.11 kW)	0.85	3.3	6727	760	BK60G20-../D06LA4	2010	3732	16600	7644	34000	271	123
0.15 HP (0.11 kW)	0.7	1.1	9205	1040	BK50G10-../D06LA4	2450	3170	14100	24954	111000	212	96
0.15 HP (0.11 kW)	0.7	2.5	8762	990	BK60G20-../D06LA4	2371	3732	16600	7644	34000	271	123
0.15 HP (0.11 kW)	0.6	2.1	10709	1210	BK60G20-../D06LA4	2733	3732	16600	7644	34000	271	123
0.15 HP (0.11 kW)	0.55	1.85	12037	1360	BK60G20-../D06LA4	3036	3732	16600	7644	34000	271	123
0.15 HP (0.11 kW)	0.46	1.45	15312	1730	BK60G20-../D06LA4	3533	3732	16600	7644	34000	271	123
0.15 HP (0.11 kW)	0.42	3.2	15843	1790	BK70G20-../D06LA4	3894	5418	24100	11240	50000	443	201
0.15 HP (0.11 kW)	0.39	1.2	18587	2100	BK60G20-../D06LA4	4239	3732	16600	7644	34000	271	123
0.15 HP (0.11 kW)	0.36	2.6	19472	2200	BK70G20-../D06LA4	4531	5418	24100	11240	50000	443	201
0.15 HP (0.11 kW)	0.3	2.1	24340	2750	BK70G20-../D06LA4	5436	5418	24100	11240	50000	443	201
0.15 HP (0.11 kW)	0.25	1.65	30535	3450	BK70G20-../D06LA4	6504	5418	24100	11240	50000	443	201
0.15 HP (0.11 kW)	0.2	1.25	39828	4500	BK70G20-../D06LA4	8149	5418	24100	11240	50000	443	201
0.15 HP (0.11 kW)	0.18	1.1	45139	5100	BK70G20-../D06LA4	9351	5418	24100	11240	50000	443	201

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

BK-series bevel geared motors

Selection - bevel geared motors

0.25 HP (0.18 kW)



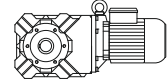
P _N			Output Torque		Type	i	Permissible Overhung Load				Weight	
			lbf-in	Nm			Standard Bearings		Reinforced Bearings		lb	kg
[kW]	RPM	SF					lb.f	N	lb.f	N		
0.25 HP (0.18 kW)	167	8.5	83	9.4	BK06-../D05LA4	9.71	198	880	-	-	21	9.5
0.25 HP (0.18 kW)	139	7.1	100	11.3	BK06-../D05LA4	11.67	209	930	-	-	21	9.5
0.25 HP (0.18 kW)	106	5.4	130	14.7	BK06-../D05LA4	15.29	229	1020	-	-	21	9.5
0.25 HP (0.18 kW)	90	4.7	151	17.1	BK06-../D05LA4	18.00	243	1080	-	-	21	9.5
0.25 HP (0.18 kW)	76	4.0	177	20	BK06-../D05LA4	21.54	259	1150	-	-	21	9.5
0.25 HP (0.18 kW)	62	3.3	217	24.5	BK06-../D05LA4	26.36	277	1230	-	-	21	9.5
0.25 HP (0.18 kW)	49	2.5	279	31.5	BK06-../D05LA4	33.33	297	1320	-	-	21	9.5
0.25 HP (0.18 kW)	42.5	2.2	319	36	BK06-../D05LA4	38.18	310	1380	-	-	21	9.5
0.25 HP (0.18 kW)	34	1.8	394	44.5	BK06-../D05LA4	47.78	337	1500	-	-	21	9.5
0.25 HP (0.18 kW)	30	1.35	443	50	BK06-../D05LA4	54.38	360	1600	-	-	21	9.5
0.25 HP (0.18 kW)	26	1.1	513	58	BK06-../D05LA4	63.33	382	1700	-	-	21	9.5
0.25 HP (0.18 kW)	22.5	3.0	593	67	BK10-../D06LA4	72.31	1574	7000	-	-	51	23
0.25 HP (0.18 kW)	18.5	2.2	708	80	BK10-../D06LA4	89.30	1574	7000	-	-	51	23
0.25 HP (0.18 kW)	16	1.75	805	91	BK10-../D06LA4	102.5	1574	7000	-	-	51	23
0.25 HP (0.18 kW)	15	3.2	867	98	BK20-../D06LA4	108.6	1956	8700	2023	9000	73	33
0.25 HP (0.18 kW)	13.5	1.25	956	108	BK10Z-../D06LA4	120.3	1574	7000	-	-	53	24
0.25 HP (0.18 kW)	13.5	3.1	956	108	BK20Z-../D06LA4	124.2	1956	8700	2023	9000	75	34
0.25 HP (0.18 kW)	11.5	1.3	1106	125	BK10Z-../D06LA4	143.2	1574	7000	-	-	53	24
0.25 HP (0.18 kW)	11.5	2.6	1106	125	BK20Z-../D06LA4	144.5	1956	8700	2023	9000	75	34
0.25 HP (0.18 kW)	9.5	1.35	1328	150	BK10Z-../D06LA4	170.6	1574	7000	-	-	53	24
0.25 HP (0.18 kW)	9.4	2.2	1336	151	BK20Z-../D06LA4	173.4	1956	8700	2023	9000	75	34
0.25 HP (0.18 kW)	8.8	2.8	1434	162	BK30Z-../D06LA4	184.8	2518	11200	2698	12000	90	41
0.25 HP (0.18 kW)	8.0	1.15	1558	176	BK10Z-../D06LA4	204.7	1574	7000	-	-	53	24
0.25 HP (0.18 kW)	7.9	1.85	1575	178	BK20Z-../D06LA4	207.5	1956	8700	2023	9000	75	34
0.25 HP (0.18 kW)	7.5	2.4	1655	187	BK30Z-../D06LA4	216.5	2518	11200	2698	12000	90	41
0.25 HP (0.18 kW)	6.4	2.0	1947	220	BK30Z-../D06LA4	255.3	2518	11200	2698	12000	90	41
0.25 HP (0.18 kW)	6.3	0.91	1947	220	BK10Z-../D06LA4	257.9	1574	7000	-	-	53	24
0.25 HP (0.18 kW)	6.3	1.5	1947	220	BK20Z-../D06LA4	259.9	1956	8700	2023	9000	75	34
0.25 HP (0.18 kW)	5.6	2.8	2168	245	BK40Z-../D06LA4	289.8	2630	11700	3822	17000	141	64
0.25 HP (0.18 kW)	5.5	1.25	2213	250	BK20Z-../D06LA4	298.2	1956	8700	2023	9000	75	34
0.25 HP (0.18 kW)	5.3	1.45	2345	265	BK30Z-../D06LA4	308.3	2518	11200	2698	12000	90	41
0.25 HP (0.18 kW)	4.8	0.81	2390	270	BK10G06-../D06LA4	343.2	1574	7000	-	-	62	28
0.25 HP (0.18 kW)	4.7	1.95	2611	295	BK40Z-../D06LA4	348.7	2630	11700	3822	17000	141	64
0.25 HP (0.18 kW)	4.5	0.96	2699	305	BK20Z-../D06LA4	367.7	1956	8700	2023	9000	75	34
0.25 HP (0.18 kW)	4.3	1.25	2832	320	BK30Z-../D06LA4	380.7	2518	11200	2698	12000	90	41
0.25 HP (0.18 kW)	4.0	2.5	3009	340	BK50Z-../D06LA4	414.8	3170	14100	5845	26000	203	92
0.25 HP (0.18 kW)	3.8	1.05	3009	340	BK20G06-../D06LA4	429.7	1956	8700	2023	9000	84	38
0.25 HP (0.18 kW)	3.8	1.6	3186	360	BK40Z-../D06LA4	430.0	2630	11700	3822	17000	141	64
0.25 HP (0.18 kW)	3.7	1.05	3275	370	BK30Z-../D06LA4	441.3	2518	11200	2698	12000	90	41
0.25 HP (0.18 kW)	3.5	1.3	3275	370	BK30G06-../D06LA4	471.5	2518	11200	2698	12000	97	44
0.25 HP (0.18 kW)	3.4	0.95	3363	380	BK20G06-../D06LA4	480.4	1956	8700	2023	9000	84	38
0.25 HP (0.18 kW)	3.4	2.5	2965	335	BK40G10-../D06LA4	487.3	2630	11700	3822	17000	150	68
0.25 HP (0.18 kW)	3.2	3.2	3231	365	BK50G10-../D06LA4	513.4	3170	14100	24954	111000	212	96
0.25 HP (0.18 kW)	3.1	0.87	3673	415	BK20G06-../D06LA4	524.5	1956	8700	2023	9000	84	38
0.25 HP (0.18 kW)	3.0	2.2	3408	385	BK40G10-../D06LA4	540.0	2630	11700	3822	17000	150	68
0.25 HP (0.18 kW)	2.9	1.1	3939	445	BK30G06-../D06LA4	567.0	2518	11200	2698	12000	97	44
0.25 HP (0.18 kW)	2.9	2.8	3585	405	BK50G10-../D06LA4	568.6	3170	14100	24954	111000	212	96
0.25 HP (0.18 kW)	2.5	0.96	4514	510	BK30G06-../D06LA4	652.5	2518	11200	2698	12000	97	44
0.25 HP (0.18 kW)	2.5	1.85	4116	465	BK40G10-../D06LA4	660.2	2630	11700	3822	17000	150	68
0.25 HP (0.18 kW)	2.5	2.4	4204	475	BK50G10-../D06LA4	651.7	3170	14100	24954	111000	212	96
0.25 HP (0.18 kW)	2.3	2.2	4602	520	BK50G10-../D06LA4	722.2	3170	14100	24954	111000	212	96
0.25 HP (0.18 kW)	2.2	0.84	5133	580	BK30G06-../D06LA4	743.0	2518	11200	2698	12000	97	44
0.25 HP (0.18 kW)	2.2	1.6	4691	530	BK40G10-../D06LA4	756.7	2630	11700	3822	17000	150	68
0.25 HP (0.18 kW)	2.0	1.45	5222	590	BK40G10-../D06LA4	838.4	2630	11700	3822	17000	150	68
0.25 HP (0.18 kW)	1.9	1.8	5664	640	BK50G10-../D06LA4	859.8	3170	14100	24954	111000	212	96
0.25 HP (0.18 kW)	1.7	1.2	6284	710	BK40G10-../D06LA4	998.3	2630	11700	3822	17000	150	68
0.25 HP (0.18 kW)	1.6	1.5	6727	760	BK50G10-../D06LA4	1024	3170	14100	24954	111000	212	96
0.25 HP (0.18 kW)	1.6	3.2	6815	770	BK60G20-../D06LA4	1016	3732	16600	7644	34000	271	123

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

BK-series bevel geared motors

Selection - bevel geared motors

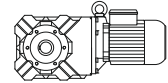
0.25 HP (0.18 kW)



P _N			Output Torque		Type	i	Permissible Overhung Load				Weight	
			lbf-in	Nm			Standard Bearings		Reinforced Bearings		lb	kg
[kW]	RPM	SF					lb.f	N	lb.f	N		
0.25 HP (0.18 kW)	1.4	0.98	7700	870	BK40G10-../D06LA4	1189	2630	11700	3822	17000	150	68
0.25 HP (0.18 kW)	1.4	1.3	7789	880	BK50G10-../D06LA4	1230	3170	14100	24954	111000	212	96
0.25 HP (0.18 kW)	1.3	2.6	8674	980	BK60G20-../D06LA4	1322	3732	16600	7644	34000	271	123
0.25 HP (0.18 kW)	1.2	0.83	9028	1020	BK40G10-../D06LA4	1428	2630	11700	3822	17000	150	68
0.25 HP (0.18 kW)	1.2	1.1	9116	1030	BK50G10-../D06LA4	1398	3170	14100	24954	111000	212	96
0.25 HP (0.18 kW)	1.1	1.0	10001	1130	BK50G10-../D06LA4	1549	3170	14100	24954	111000	212	96
0.25 HP (0.18 kW)	1.1	2.2	10178	1150	BK60G20-../D06LA4	1618	3732	16600	7644	34000	271	123
0.25 HP (0.18 kW)	0.9	1.7	12834	1450	BK60G20-../D06LA4	1810	3732	16600	7644	34000	271	123
0.25 HP (0.18 kW)	0.85	1.6	13719	1550	BK60G20-../D06LA4	2010	3732	16600	7644	34000	271	123
0.25 HP (0.18 kW)	0.7	1.3	17259	1950	BK60G20-../D06LA4	2371	3732	16600	7644	34000	271	123
0.25 HP (0.18 kW)	0.65	2.9	17701	2000	BK70G20-../D06LA4	2578	5418	24100	11240	50000	443	201
0.25 HP (0.18 kW)	0.6	1.1	20357	2300	BK60G20-../D06LA4	2733	3732	16600	7644	34000	271	123
0.25 HP (0.18 kW)	0.55	2.3	21684	2450	BK70G20-../D06LA4	3041	5418	24100	11240	50000	443	201
0.25 HP (0.18 kW)	0.47	1.95	26110	2950	BK70G20-../D06LA4	3505	5418	24100	11240	50000	443	201
0.25 HP (0.18 kW)	0.42	1.7	29650	3350	BK70G20-../D06LA4	3894	5418	24100	11240	50000	443	201
0.25 HP (0.18 kW)	0.36	1.4	35846	4050	BK70G20-../D06LA4	4531	5418	24100	11240	50000	443	201
0.25 HP (0.18 kW)	0.3	1.15	44254	5000	BK70G20-../D06LA4	5436	5418	24100	11240	50000	443	201

8

0.33 HP (0.25 kW)



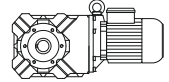
P _N			Output Torque		Type	i	Permissible Overhung Load				Weight	
			lbf-in	Nm			Standard Bearings		Reinforced Bearings		lb	kg
[kW]	RPM	SF					lb.f	N	lb.f	N		
0.33 HP (0.25 kW)	167	6.1	116	13.1	BK06-../D05LA4	9.71	198	880	-	-	21	9.5
0.33 HP (0.25 kW)	139	5.1	140	15.8	BK06-../D05LA4	11.67	209	930	-	-	21	9.5
0.33 HP (0.25 kW)	106	4.0	177	20	BK06-../D05LA4	15.29	229	1020	-	-	21	9.5
0.33 HP (0.25 kW)	90	3.4	208	23.5	BK06-../D05LA4	18.00	243	1080	-	-	21	9.5
0.33 HP (0.25 kW)	76	2.9	248	28	BK06-../D05LA4	21.54	259	1150	-	-	21	9.5
0.33 HP (0.25 kW)	62	2.3	305	34.5	BK06-../D05LA4	26.36	277	1230	-	-	21	9.5
0.33 HP (0.25 kW)	49	1.85	385	43.5	BK06-../D05LA4	33.33	297	1320	-	-	21	9.5
0.33 HP (0.25 kW)	42.5	1.6	443	50	BK06-../D05LA4	38.18	310	1380	-	-	21	9.5
0.33 HP (0.25 kW)	34	1.3	549	62	BK06-../D05LA4	47.78	337	1500	-	-	21	9.5
0.33 HP (0.25 kW)	33.5	3.2	558	63	BK10-../D06LA4	48.96	1439	6400	-	-	51	23
0.33 HP (0.25 kW)	30	0.97	620	70	BK06-../D05LA4	54.38	360	1600	-	-	21	9.5
0.33 HP (0.25 kW)	26.5	2.5	708	80	BK10-../D06LA4	61.68	1574	7000	-	-	51	23
0.33 HP (0.25 kW)	22.5	2.2	823	93	BK10-../D06LA4	72.31	1574	7000	-	-	51	23
0.33 HP (0.25 kW)	18.5	1.6	991	112	BK10-../D06LA4	89.30	1574	7000	-	-	51	23
0.33 HP (0.25 kW)	18.5	2.9	991	112	BK20-../D06LA4	88.12	1798	8000	2023	9000	73	33
0.33 HP (0.25 kW)	16	1.25	1115	126	BK10-../D06LA4	102.5	1574	7000	-	-	51	23
0.33 HP (0.25 kW)	15	2.3	1204	136	BK20-../D06LA4	108.6	1956	8700	2023	9000	73	33
0.33 HP (0.25 kW)	13.5	0.91	1328	150	BK10Z-../D06LA4	120.3	1574	7000	-	-	53	24
0.33 HP (0.25 kW)	13.5	2.2	1328	150	BK20Z-../D06LA4	124.2	1956	8700	2023	9000	75	34
0.33 HP (0.25 kW)	13.5	3.0	1328	150	BK30Z-../D06LA4	123.9	2518	11200	2698	12000	90	41
0.33 HP (0.25 kW)	11.5	0.94	1540	174	BK10Z-../D06LA4	143.2	1574	7000	-	-	53	24
0.33 HP (0.25 kW)	11.5	1.9	1540	174	BK20Z-../D06LA4	144.5	1956	8700	2023	9000	75	34
0.33 HP (0.25 kW)	11.5	2.6	1540	174	BK30Z-../D06LA4	145.1	2518	11200	2698	12000	90	41
0.33 HP (0.25 kW)	9.5	0.98	1814	205	BK10Z-../D06LA4	170.6	1574	7000	-	-	53	24
0.33 HP (0.25 kW)	9.4	1.55	1859	210	BK20Z-../D06LA4	173.4	1956	8700	2023	9000	75	34
0.33 HP (0.25 kW)	8.8	2.0	1991	225	BK30Z-../D06LA4	184.8	2518	11200	2698	12000	90	41
0.33 HP (0.25 kW)	8.0	0.83	2124	240	BK10Z-../D06LA4	204.7	1574	7000	-	-	53	24
0.33 HP (0.25 kW)	7.9	1.35	2168	245	BK20Z-../D06LA4	207.5	1956	8700	2023	9000	75	34
0.33 HP (0.25 kW)	7.7	3.1	2213	250	BK40Z-../D06LA4	211.5	2630	11700	3822	17000	141	64
0.33 HP (0.25 kW)	7.5	1.75	2301	260	BK30Z-../D06LA4	216.5	2518	11200	2698	12000	90	41

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

BK-series bevel geared motors

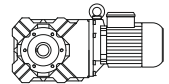
Selection - bevel geared motors

0.33 HP (0.25 kW)



P _N			Output Torque		Type	i	Permissible Overhung Load				Weight	
			lb·in	Nm			Standard Bearings		Reinforced Bearings		lb	kg
[kW]	RPM	SF					lb·f	N	lb·f	N		
0.33 HP (0.25 kW)	6.6	2.7	2567	290	BK40Z-../D06LA4	246.6	2630	11700	3822	17000	141	64
0.33 HP (0.25 kW)	6.4	1.5	2699	305	BK30Z-../D06LA4	255.3	2518	11200	2698	12000	90	41
0.33 HP (0.25 kW)	6.3	1.05	2744	310	BK20Z-../D06LA4	259.9	1956	8700	2023	9000	75	34
0.33 HP (0.25 kW)	5.6	2.0	3054	345	BK40Z-../D06LA4	289.8	2630	11700	3822	17000	141	64
0.33 HP (0.25 kW)	5.5	0.89	3098	350	BK20Z-../D06LA4	298.2	1956	8700	2023	9000	75	34
0.33 HP (0.25 kW)	5.3	1.05	3231	365	BK30Z-../D06LA4	308.3	2518	11200	2698	12000	90	41
0.33 HP (0.25 kW)	5.0	2.6	3408	385	BK50Z-../D06LA4	328.2	3170	14100	5845	26000	203	92
0.33 HP (0.25 kW)	4.7	1.4	3629	410	BK40Z-../D06LA4	348.7	2630	11700	3822	17000	141	64
0.33 HP (0.25 kW)	4.6	0.9	3540	400	BK20G06-../D06LA4	359.1	1956	8700	2023	9000	84	38
0.33 HP (0.25 kW)	4.3	0.91	3939	445	BK30Z-../D06LA4	380.7	2518	11200	2698	12000	90	41
0.33 HP (0.25 kW)	4.0	1.8	4204	475	BK50Z-../D06LA4	414.8	3170	14100	5845	26000	203	92
0.33 HP (0.25 kW)	3.8	1.15	4425	500	BK40Z-../D06LA4	430.0	2630	11700	3822	17000	141	64
0.33 HP (0.25 kW)	3.5	0.94	4602	520	BK30G06-../D06LA4	471.5	2518	11200	2698	12000	97	44
0.33 HP (0.25 kW)	3.5	2.4	4293	485	BK50G10-../D06LA4	465.1	3170	14100	24954	111000	212	96
0.33 HP (0.25 kW)	3.4	1.7	4381	495	BK40G10-../D06LA4	487.3	2630	11700	3822	17000	150	68
0.33 HP (0.25 kW)	3.2	2.2	4691	530	BK50G10-../D06LA4	513.4	3170	14100	24954	111000	212	96
0.33 HP (0.25 kW)	3.0	1.5	4956	560	BK40G10-../D06LA4	540.0	2630	11700	3822	17000	150	68
0.33 HP (0.25 kW)	2.9	1.95	5222	590	BK50G10-../D06LA4	568.6	3170	14100	24954	111000	212	96
0.33 HP (0.25 kW)	2.5	1.25	6019	680	BK40G10-../D06LA4	660.2	2630	11700	3822	17000	150	68
0.33 HP (0.25 kW)	2.5	1.7	6019	680	BK50G10-../D06LA4	651.7	3170	14100	24954	111000	212	96
0.33 HP (0.25 kW)	2.3	1.55	6638	750	BK50G10-../D06LA4	722.2	3170	14100	24954	111000	212	96
0.33 HP (0.25 kW)	2.2	1.1	6815	770	BK40G10-../D06LA4	756.7	2630	11700	3822	17000	150	68
0.33 HP (0.25 kW)	2.2	3.2	6815	770	BK60G20-../D06LA4	752.1	3732	16600	7644	34000	271	123
0.33 HP (0.25 kW)	2.0	0.99	7612	860	BK40G10-../D06LA4	838.4	2630	11700	3822	17000	150	68
0.33 HP (0.25 kW)	1.9	1.25	8054	910	BK50G10-../D06LA4	859.8	3170	14100	24954	111000	212	96
0.33 HP (0.25 kW)	1.9	2.7	8143	920	BK60G20-../D06LA4	887.8	3732	16600	7644	34000	271	123
0.33 HP (0.25 kW)	1.7	0.84	8939	1010	BK40G10-../D06LA4	998.3	2630	11700	3822	17000	150	68
0.33 HP (0.25 kW)	1.6	1.05	9647	1090	BK50G10-../D06LA4	1024	3170	14100	24954	111000	212	96
0.33 HP (0.25 kW)	1.6	2.1	10532	1190	BK60G20-../D06LA4	1016	3732	16600	7644	34000	271	123
0.33 HP (0.25 kW)	1.4	0.92	11063	1250	BK50G10-../D06LA4	1230	3170	14100	24954	111000	212	96
0.33 HP (0.25 kW)	1.3	1.65	13276	1500	BK60G20-../D06LA4	1322	3732	16600	7644	34000	271	123
0.33 HP (0.25 kW)	1.1	1.4	15577	1760	BK60G20-../D06LA4	1618	3732	16600	7644	34000	271	123
0.33 HP (0.25 kW)	1.0	2.9	17259	1950	BK70G20-../D06LA4	1696	5418	24100	11240	50000	443	201
0.33 HP (0.25 kW)	0.9	1.15	19029	2150	BK60G20-../D06LA4	1810	3732	16600	7644	34000	271	123
0.33 HP (0.25 kW)	0.85	1.1	20357	2300	BK60G20-../D06LA4	2010	3732	16600	7644	34000	271	123
0.33 HP (0.25 kW)	0.8	2.3	21684	2450	BK70G20-../D06LA4	2040	5418	24100	11240	50000	443	201
0.33 HP (0.25 kW)	0.65	1.85	26995	3050	BK70G20-../D06LA4	2578	5418	24100	11240	50000	443	201
0.33 HP (0.25 kW)	0.55	1.55	32305	3650	BK70G20-../D06LA4	3041	5418	24100	11240	50000	443	201
0.33 HP (0.25 kW)	0.47	1.3	38501	4350	BK70G20-../D06LA4	3505	5418	24100	11240	50000	443	201
0.33 HP (0.25 kW)	0.42	1.15	43811	4950	BK70G20-../D06LA4	3894	5418	24100	11240	50000	443	201

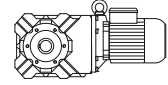
0.4 HP (0.3 kW)



P _N			Output Torque		Type	i	Permissible Overhung Load				Weight	
			lb·in	Nm			Standard Bearings		Reinforced Bearings		lb	kg
[kW]	RPM	SF					lb·f	N	lb·f	N		
0.4 HP (0.3 kW)	167	5.1	139	15.7	BK06-../D05LA4	9.71	198	880	-	-	21	9.5
0.4 HP (0.3 kW)	139	4.2	167	18.9	BK06-../D05LA4	11.67	209	930	-	-	21	9.5
0.4 HP (0.3 kW)	106	3.3	217	24.5	BK06-../D05LA4	15.29	229	1020	-	-	21	9.5
0.4 HP (0.3 kW)	90	2.8	252	28.5	BK06-../D05LA4	18.00	243	1080	-	-	21	9.5
0.4 HP (0.3 kW)	76	2.4	296	33.5	BK06-../D05LA4	21.54	259	1150	-	-	21	9.5
0.4 HP (0.3 kW)	62	1.95	367	41.5	BK06-../D05LA4	26.36	277	1230	-	-	21	9.5
0.4 HP (0.3 kW)	49	1.55	460	52	BK06-../D05LA4	33.33	297	1320	-	-	21	9.5

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

0.4 HP (0.3 kW)



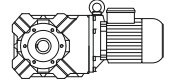
P _N			Output Torque		Type	i	Permissible Overhung Load				Weight	
			lbf-in	Nm			Standard Bearings		Reinforced Bearings		lb	kg
[kW]	RPM	SF					lb.f	N	lb.f	N		
0.4 HP (0.3 kW)	42.5	1.35	531	60	BK06-../D05LA4	38.18	310	1380	-	-	21	9.5
0.4 HP (0.3 kW)	40	3.1	566	64	BK10-../D06LA4	40.79	1349	6000	-	-	51	23
0.4 HP (0.3 kW)	34	1.1	655	74	BK06-../D05LA4	47.78	337	1500	-	-	21	9.5
0.4 HP (0.3 kW)	33.5	2.6	673	76	BK10-../D06LA4	48.96	1439	6400	-	-	51	23
0.4 HP (0.3 kW)	30	0.81	743	84	BK06-../D05LA4	54.38	360	1600	-	-	21	9.5
0.4 HP (0.3 kW)	26.5	2.1	850	96	BK10-../D06LA4	61.68	1574	7000	-	-	51	23
0.4 HP (0.3 kW)	22.5	1.8	991	112	BK10-../D06LA4	72.31	1574	7000	-	-	51	23
0.4 HP (0.3 kW)	21.5	2.8	1036	117	BK20-../D06LA4	76.79	1686	7500	2023	9000	73	33
0.4 HP (0.3 kW)	18.5	1.35	1186	134	BK10-../D06LA4	89.30	1574	7000	-	-	51	23
0.4 HP (0.3 kW)	18.5	2.5	1186	134	BK20-../D06LA4	88.12	1798	8000	2023	9000	73	33
0.4 HP (0.3 kW)	16	1.05	1345	152	BK10-../D06LA4	102.5	1574	7000	-	-	51	23
0.4 HP (0.3 kW)	16	3.0	1345	152	BK30-../D06LA4	102.4	2518	11200	2698	12000	86	39
0.4 HP (0.3 kW)	15	1.9	1452	164	BK20-../D06LA4	108.6	1956	8700	2023	9000	73	33
0.4 HP (0.3 kW)	13.5	1.85	1593	180	BK20Z-../D06LA4	124.2	1956	8700	2023	9000	75	34
0.4 HP (0.3 kW)	13.5	2.5	1593	180	BK30Z-../D06LA4	123.9	2518	11200	2698	12000	90	41
0.4 HP (0.3 kW)	11.5	0.8	1814	205	BK10Z-../D06LA4	143.2	1574	7000	-	-	53	24
0.4 HP (0.3 kW)	11.5	1.6	1814	205	BK20Z-../D06LA4	144.5	1956	8700	2023	9000	75	34
0.4 HP (0.3 kW)	11.5	2.2	1814	205	BK30Z-../D06LA4	145.1	2518	11200	2698	12000	90	41
0.4 HP (0.3 kW)	9.6	3.2	2168	245	BK40Z-../D06LA4	169.0	2630	11700	3822	17000	141	64
0.4 HP (0.3 kW)	9.5	0.8	2213	250	BK10Z-../D06LA4	170.6	1574	7000	-	-	53	24
0.4 HP (0.3 kW)	9.4	1.3	2213	250	BK20Z-../D06LA4	173.4	1956	8700	2023	9000	75	34
0.4 HP (0.3 kW)	8.8	1.65	2390	270	BK30Z-../D06LA4	184.8	2518	11200	2698	12000	90	41
0.4 HP (0.3 kW)	7.9	1.1	2611	295	BK20Z-../D06LA4	207.5	1956	8700	2023	9000	75	34
0.4 HP (0.3 kW)	7.7	2.6	2699	305	BK40Z-../D06LA4	211.5	2630	11700	3822	17000	141	64
0.4 HP (0.3 kW)	7.5	1.45	2744	310	BK30Z-../D06LA4	216.5	2518	11200	2698	12000	90	41
0.4 HP (0.3 kW)	6.6	2.2	3098	350	BK40Z-../D06LA4	246.6	2630	11700	3822	17000	141	64
0.4 HP (0.3 kW)	6.4	1.25	3231	365	BK30Z-../D06LA4	255.3	2518	11200	2698	12000	90	41
0.4 HP (0.3 kW)	6.3	0.89	3275	370	BK20Z-../D06LA4	259.9	1956	8700	2023	9000	75	34
0.4 HP (0.3 kW)	6.2	2.8	3275	370	BK50Z-../D06LA4	264.5	3170	14100	5845	26000	203	92
0.4 HP (0.3 kW)	5.6	1.65	3629	410	BK40Z-../D06LA4	289.8	2630	11700	3822	17000	141	64
0.4 HP (0.3 kW)	5.3	0.88	3894	440	BK30Z-../D06LA4	308.3	2518	11200	2698	12000	90	41
0.4 HP (0.3 kW)	5.0	2.2	4071	460	BK50Z-../D06LA4	328.2	3170	14100	5845	26000	203	92
0.4 HP (0.3 kW)	4.7	1.2	4337	490	BK40Z-../D06LA4	348.7	2630	11700	3822	17000	141	64
0.4 HP (0.3 kW)	4.0	1.5	5045	570	BK50Z-../D06LA4	414.8	3170	14100	5845	26000	203	92
0.4 HP (0.3 kW)	3.8	0.96	5310	600	BK40Z-../D06LA4	430.0	2630	11700	3822	17000	141	64
0.4 HP (0.3 kW)	3.5	1.95	5222	590	BK50G10-../D06LA4	465.1	3170	14100	24954	111000	212	96
0.4 HP (0.3 kW)	3.4	1.4	5310	600	BK40G10-../D06LA4	487.3	2630	11700	3822	17000	150	68
0.4 HP (0.3 kW)	3.2	1.75	5753	650	BK50G10-../D06LA4	513.4	3170	14100	24954	111000	212	96
0.4 HP (0.3 kW)	3.0	1.25	6019	680	BK40G10-../D06LA4	540.0	2630	11700	3822	17000	150	68
0.4 HP (0.3 kW)	2.9	1.6	6373	720	BK50G10-../D06LA4	568.6	3170	14100	24954	111000	212	96
0.4 HP (0.3 kW)	2.7	3.1	7081	800	BK60G20-../D06LA4	621.5	3732	16600	7644	34000	271	123
0.4 HP (0.3 kW)	2.5	1.0	7346	830	BK40G10-../D06LA4	660.2	2630	11700	3822	17000	150	68
0.4 HP (0.3 kW)	2.5	1.4	7346	830	BK50G10-../D06LA4	651.7	3170	14100	24954	111000	212	96
0.4 HP (0.3 kW)	2.3	1.25	8054	910	BK50G10-../D06LA4	722.2	3170	14100	24954	111000	212	96
0.4 HP (0.3 kW)	2.2	0.9	8320	940	BK40G10-../D06LA4	756.7	2630	11700	3822	17000	150	68
0.4 HP (0.3 kW)	2.2	2.6	8674	980	BK60G20-../D06LA4	752.1	3732	16600	7644	34000	271	123
0.4 HP (0.3 kW)	2.0	0.82	9205	1040	BK40G10-../D06LA4	838.4	2630	11700	3822	17000	150	68
0.4 HP (0.3 kW)	1.9	1.05	9824	1110	BK50G10-../D06LA4	859.8	3170	14100	24954	111000	212	96
0.4 HP (0.3 kW)	1.9	2.1	10355	1170	BK60G20-../D06LA4	887.8	3732	16600	7644	34000	271	123
0.4 HP (0.3 kW)	1.6	0.87	11683	1320	BK50G10-../D06LA4	1024	3170	14100	24954	111000	212	96
0.4 HP (0.3 kW)	1.6	1.7	13188	1490	BK60G20-../D06LA4	1016	3732	16600	7644	34000	271	123
0.4 HP (0.3 kW)	1.3	1.35	16462	1860	BK60G20-../D06LA4	1322	3732	16600	7644	34000	271	123
0.4 HP (0.3 kW)	1.3	3.1	16108	1820	BK70G20-../D06LA4	1280	5418	24100	11240	50000	443	201
0.4 HP (0.3 kW)	1.2	2.9	17259	1950	BK70G20-../D06LA4	1457	5418	24100	11240	50000	443	201
0.4 HP (0.3 kW)	1.1	1.15	19029	2150	BK60G20-../D06LA4	1618	3732	16600	7644	34000	271	123
0.4 HP (0.3 kW)	1.0	2.4	21242	2400	BK70G20-../D06LA4	1696	5418	24100	11240	50000	443	201
0.4 HP (0.3 kW)	0.8	1.85	26995	3050	BK70G20-../D06LA4	2040	5418	24100	11240	50000	443	201
0.4 HP (0.3 kW)	0.65	1.5	33633	3800	BK70G20-../D06LA4	2578	5418	24100	11240	50000	443	201

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

BK-series bevel geared motors

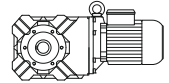
Selection - bevel geared motors

0.4 HP (0.3 kW)



P _N			Output Torque		Type	i	Permissible Overhung Load				Weight	
			lb·f-in	Nm			Standard Bearings		Reinforced Bearings		lb	kg
[kW]	RPM	SF					lb·f	N	lb·f	N		
0.4 HP (0.3 kW)	0.55	1.25	40271	4550	BK70G20-../D06LA4	3041	5418	24100	11240	50000	443	201
0.4 HP (0.3 kW)	0.47	1.05	47794	5400	BK70G20-../D06LA4	3505	5418	24100	11240	50000	443	201

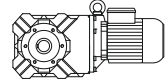
0.5 HP (0.37 kW)



P _N			Output Torque		Type	i	Permissible Overhung Load				Weight	
			lb·f-in	Nm			Standard Bearings		Reinforced Bearings		lb	kg
[kW]	RPM	SF					lb·f	N	lb·f	N		
0.5 HP (0.37 kW)	167	4.1	172	19.4	BK06-../D07LA4	9.71	198	880	-	-	24	11
0.5 HP (0.37 kW)	139	3.5	204	23	BK06-../D07LA4	11.67	209	930	-	-	24	11
0.5 HP (0.37 kW)	106	2.7	266	30	BK06-../D07LA4	15.29	229	1020	-	-	24	11
0.5 HP (0.37 kW)	90	2.3	310	35	BK06-../D07LA4	18.00	243	1080	-	-	24	11
0.5 HP (0.37 kW)	76	1.95	367	41.5	BK06-../D07LA4	21.54	259	1150	-	-	24	11
0.5 HP (0.37 kW)	62	1.55	451	51	BK06-../D07LA4	26.36	277	1230	-	-	24	11
0.5 HP (0.37 kW)	49	1.25	566	64	BK06-../D07LA4	33.33	297	1320	-	-	24	11
0.5 HP (0.37 kW)	47.5	3.0	584	66	BK10-../D07LA4	34.25	1259	5600	-	-	51	23
0.5 HP (0.37 kW)	42.5	1.1	655	74	BK06-../D07LA4	38.18	310	1380	-	-	24	11
0.5 HP (0.37 kW)	40	2.5	699	79	BK10-../D07LA4	40.79	1349	6000	-	-	51	23
0.5 HP (0.37 kW)	34	0.87	814	92	BK06-../D07LA4	47.78	337	1500	-	-	24	11
0.5 HP (0.37 kW)	33.5	2.2	823	93	BK10-../D07LA4	48.96	1439	6400	-	-	51	23
0.5 HP (0.37 kW)	26.5	1.7	1044	118	BK10-../D07LA4	61.68	1574	7000	-	-	51	23
0.5 HP (0.37 kW)	26.5	2.8	1044	118	BK20-../D07LA4	61.30	1461	6500	2023	9000	73	33
0.5 HP (0.37 kW)	22.5	1.45	1221	138	BK10-../D07LA4	72.31	1574	7000	-	-	51	23
0.5 HP (0.37 kW)	21.5	2.3	1275	144	BK20-../D07LA4	76.79	1686	7500	2023	9000	73	33
0.5 HP (0.37 kW)	18.5	1.05	1469	166	BK10-../D07LA4	89.30	1574	7000	-	-	51	23
0.5 HP (0.37 kW)	18.5	2.0	1469	166	BK20-../D07LA4	88.12	1798	8000	2023	9000	73	33
0.5 HP (0.37 kW)	18.5	2.7	1452	164	BK30-../D07LA4	88.38	2383	10600	2698	12000	86	39
0.5 HP (0.37 kW)	16	0.84	1655	187	BK10-../D07LA4	102.5	1574	7000	-	-	51	23
0.5 HP (0.37 kW)	16	2.4	1655	187	BK30-../D07LA4	102.4	2518	11200	2698	12000	86	39
0.5 HP (0.37 kW)	15	1.6	1770	200	BK20-../D07LA4	108.6	1956	8700	2023	9000	73	33
0.5 HP (0.37 kW)	13.5	1.5	1947	220	BK20Z-../D07LA4	124.2	1956	8700	2023	9000	75	34
0.5 HP (0.37 kW)	13.5	2.0	1947	220	BK30Z-../D07LA4	123.9	2518	11200	2698	12000	90	41
0.5 HP (0.37 kW)	11.5	1.3	2257	255	BK20Z-../D07LA4	144.5	1956	8700	2023	9000	75	34
0.5 HP (0.37 kW)	11.5	1.75	2257	255	BK30Z-../D07LA4	145.1	2518	11200	2698	12000	90	41
0.5 HP (0.37 kW)	11.5	3.1	2257	255	BK40Z-../D07LA4	143.0	2630	11700	3822	17000	141	64
0.5 HP (0.37 kW)	9.6	2.6	2699	305	BK40Z-../D07LA4	169.0	2630	11700	3822	17000	141	64
0.5 HP (0.37 kW)	9.4	1.05	2744	310	BK20Z-../D07LA4	173.4	1956	8700	2023	9000	75	34
0.5 HP (0.37 kW)	8.8	1.35	2921	330	BK30Z-../D07LA4	184.8	2518	11200	2698	12000	90	41
0.5 HP (0.37 kW)	7.9	0.9	3231	365	BK20Z-../D07LA4	207.5	1956	8700	2023	9000	75	34
0.5 HP (0.37 kW)	7.9	2.9	3231	365	BK50Z-../D07LA4	206.8	3170	14100	5845	26000	203	92
0.5 HP (0.37 kW)	7.7	2.1	3319	375	BK40Z-../D07LA4	211.5	2630	11700	3822	17000	141	64
0.5 HP (0.37 kW)	7.5	1.15	3408	385	BK30Z-../D07LA4	216.5	2518	11200	2698	12000	90	41
0.5 HP (0.37 kW)	6.6	1.8	3806	430	BK40Z-../D07LA4	246.6	2630	11700	3822	17000	141	64
0.5 HP (0.37 kW)	6.4	1.0	3983	450	BK30Z-../D07LA4	255.3	2518	11200	2698	12000	90	41
0.5 HP (0.37 kW)	6.2	2.3	4071	460	BK50Z-../D07LA4	264.5	3170	14100	5845	26000	203	92
0.5 HP (0.37 kW)	5.6	1.35	4514	510	BK40Z-../D07LA4	289.8	2630	11700	3822	17000	141	64
0.5 HP (0.37 kW)	5.0	1.75	5045	570	BK50Z-../D07LA4	328.2	3170	14100	5845	26000	203	92
0.5 HP (0.37 kW)	4.7	0.97	5310	600	BK40Z-../D07LA4	348.7	2630	11700	3822	17000	141	64
0.5 HP (0.37 kW)	4.0	1.2	6196	700	BK50Z-../D07LA4	414.8	3170	14100	5845	26000	203	92
0.5 HP (0.37 kW)	3.5	1.55	6550	740	BK50G10-../D07LA4	465.1	3170	14100	24954	111000	212	96
0.5 HP (0.37 kW)	3.4	1.1	6727	760	BK40G10-../D07LA4	487.3	2630	11700	3822	17000	150	68
0.5 HP (0.37 kW)	3.2	1.4	7169	810	BK50G10-../D07LA4	513.4	3170	14100	24954	111000	212	96
0.5 HP (0.37 kW)	3.0	0.99	7612	860	BK40G10-../D07LA4	540.0	2630	11700	3822	17000	150	68

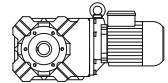
The torques marked (*) are maximum permissible torques for service factor f_B=1.0.

0.5 HP (0.37 kW)



P _N			Output Torque				Permissible Overhung Load				Weight	
							Standard Bearings		Reinforced Bearings			
[kW]	RPM	SF	lbf-in	Nm	Type	i	lb.f	N	lb.f	N	lb	kg
0.5 HP (0.37 kW)	2.9	1.3	7966	900	BK50G10-../D07LA4	568.6	3170	14100	24954	111000	212	96
0.5 HP (0.37 kW)	2.7	2.4	9205	1040	BK60G20-../D07LA4	621.5	3732	16600	7644	34000	271	123
0.5 HP (0.37 kW)	2.5	0.82	9205	1040	BK40G10-../D07LA4	660.2	2630	11700	3822	17000	150	68
0.5 HP (0.37 kW)	2.5	1.1	9293	1050	BK50G10-../D07LA4	651.7	3170	14100	24954	111000	212	96
0.5 HP (0.37 kW)	2.3	1.0	10090	1140	BK50G10-../D07LA4	722.2	3170	14100	24954	111000	212	96
0.5 HP (0.37 kW)	2.2	1.95	11417	1290	BK60G20-../D07LA4	752.1	3732	16600	7644	34000	271	123
0.5 HP (0.37 kW)	1.9	0.83	12214	1380	BK50G10-../D07LA4	859.8	3170	14100	24954	111000	212	96
0.5 HP (0.37 kW)	1.9	1.65	13453	1520	BK60G20-../D07LA4	887.8	3732	16600	7644	34000	271	123
0.5 HP (0.37 kW)	1.6	1.3	16816	1900	BK60G20-../D07LA4	1016	3732	16600	7644	34000	271	123
0.5 HP (0.37 kW)	1.5	3.0	16993	1920	BK70G20-../D07LA4	1139	5418	24100	11240	50000	443	201
0.5 HP (0.37 kW)	1.3	1.05	20799	2350	BK60G20-../D07LA4	1322	3732	16600	7644	34000	271	123
0.5 HP (0.37 kW)	1.3	2.5	20357	2300	BK70G20-../D07LA4	1280	5418	24100	11240	50000	443	201
0.5 HP (0.37 kW)	1.2	2.3	22127	2500	BK70G20-../D07LA4	1457	5418	24100	11240	50000	443	201
0.5 HP (0.37 kW)	1.1	0.89	24782	2800	BK60G20-../D07LA4	1618	3732	16600	7644	34000	271	123
0.5 HP (0.37 kW)	1.0	1.85	27437	3100	BK70G20-../D07LA4	1696	5418	24100	11240	50000	443	201
0.5 HP (0.37 kW)	0.8	1.45	34518	3900	BK70G20-../D07LA4	2040	5418	24100	11240	50000	443	201
0.5 HP (0.37 kW)	0.65	1.2	42484	4800	BK70G20-../D07LA4	2578	5418	24100	11240	50000	443	201

0.75 HP (0.55 kW)



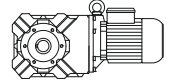
P _N			Output Torque				Permissible Overhung Load				Weight	
							Standard Bearings		Reinforced Bearings			
[kW]	RPM	SF	lbf-in	Nm	Type	i	lb.f	N	lb.f	N	lb	kg
0.75 HP (0.55 kW)	235	3.6	181	20.5	BK06-../D08MA4	7.25	180	800	-	-	33	15
0.75 HP (0.55 kW)	174	2.9	243	27.5	BK06-../D08MA4	9.71	198	880	-	-	33	15
0.75 HP (0.55 kW)	144	2.4	296	33.5	BK06-../D08MA4	11.67	209	930	-	-	33	15
0.75 HP (0.55 kW)	110	1.85	381	43	BK06-../D08MA4	15.29	229	1020	-	-	33	15
0.75 HP (0.55 kW)	100	2.9	416	47	BK10-../D08MA4	16.92	832	3700	-	-	60	27
0.75 HP (0.55 kW)	94	1.6	443	50	BK06-../D08MA4	18.00	243	1080	-	-	33	15
0.75 HP (0.55 kW)	78	1.35	531	60	BK06-../D08MA4	21.54	259	1150	-	-	33	15
0.75 HP (0.55 kW)	75	3.2	558	63	BK10-../D08MA4	22.65	1045	4650	-	-	60	27
0.75 HP (0.55 kW)	64	1.1	646	73	BK06-../D08MA4	26.36	277	1230	-	-	33	15
0.75 HP (0.55 kW)	59	2.5	708	80	BK10-../D08MA4	28.76	1169	5200	-	-	60	27
0.75 HP (0.55 kW)	51	0.87	814	92	BK06-../D08MA4	33.33	297	1320	-	-	33	15
0.75 HP (0.55 kW)	49.5	2.1	841	95	BK10-../D08MA4	34.25	1259	5600	-	-	60	27
0.75 HP (0.55 kW)	46	3.2	903	102	BK20-../D08MA4	36.69	1214	5400	2023	9000	79	36
0.75 HP (0.55 kW)	41.5	1.75	1000	113	BK10-../D08MA4	40.79	1349	6000	-	-	60	27
0.75 HP (0.55 kW)	39.5	2.8	1053	119	BK20-../D08MA4	42.70	1304	5800	2023	9000	79	36
0.75 HP (0.55 kW)	34.5	1.5	1195	135	BK10-../D08MA4	48.96	1439	6400	-	-	60	27
0.75 HP (0.55 kW)	33.5	3.3	1213	137	BK30-../D08MA4	50.27	1866	8300	2698	12000	93	42
0.75 HP (0.55 kW)	33	2.3	1248	141	BK20-../D08MA4	51.22	1416	6300	2023	9000	79	36
0.75 HP (0.55 kW)	28.5	2.8	1434	162	BK30-../D08MA4	59.27	2001	8900	2698	12000	93	42
0.75 HP (0.55 kW)	27.5	1.2	1496	169	BK10-../D08MA4	61.68	1574	7000	-	-	60	27
0.75 HP (0.55 kW)	27.5	1.95	1496	169	BK20-../D08MA4	61.30	1461	6500	2023	9000	79	36
0.75 HP (0.55 kW)	23.5	1.0	1735	196	BK10-../D08MA4	72.31	1574	7000	-	-	60	27
0.75 HP (0.55 kW)	23.5	2.3	1717	194	BK30-../D08MA4	71.56	2181	9700	2698	12000	93	42
0.75 HP (0.55 kW)	22	1.55	1859	210	BK20-../D08MA4	76.79	1686	7500	2023	9000	79	36
0.75 HP (0.55 kW)	19.5	1.45	2036	230	BK20-../D08MA4	88.12	1798	8000	2023	9000	79	36
0.75 HP (0.55 kW)	19.5	1.95	2036	230	BK30-../D08MA4	88.38	2383	10600	2698	12000	93	42
0.75 HP (0.55 kW)	16.5	1.65	2390	270	BK30-../D08MA4	102.4	2518	11200	2698	12000	93	42
0.75 HP (0.55 kW)	16.5	2.9	2390	270	BK40-../D08MA4	104.0	2630	11700	3822	17000	139	63
0.75 HP (0.55 kW)	15.5	1.1	2567	290	BK20-../D08MA4	108.6	1956	8700	2023	9000	79	36
0.75 HP (0.55 kW)	14.5	2.6	2699	305	BK40Z-../D08MA4	118.2	2630	11700	3822	17000	148	67

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

BK-series bevel geared motors

Selection - bevel geared motors

0.75 HP (0.55 kW)



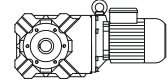
P _N			Output Torque		Type	i	Permissible Overhung Load				Weight	
			lbf-in	Nm			Standard Bearings		Reinforced Bearings		lb	kg
[kW]	RPM	SF					lb.f	N	lb.f	N		
0.75 HP (0.55 kW)	14	1.05	2788	315	BK20Z-../D08MA4	124.2	1956	8700	2023	9000	84	38
0.75 HP (0.55 kW)	14	1.45	2788	315	BK30Z-../D08MA4	123.9	2518	11200	2698	12000	99	45
0.75 HP (0.55 kW)	12	0.9	3231	365	BK20Z-../D08MA4	144.5	1956	8700	2023	9000	84	38
0.75 HP (0.55 kW)	12	1.25	3231	365	BK30Z-../D08MA4	145.1	2518	11200	2698	12000	99	45
0.75 HP (0.55 kW)	12	2.1	3231	365	BK40Z-../D08MA4	143.0	2630	11700	3822	17000	148	67
0.75 HP (0.55 kW)	11	2.7	3496	395	BK50Z-../D08MA4	153.3	3170	14100	5845	26000	212	96
0.75 HP (0.55 kW)	10	1.8	3850	435	BK40Z-../D08MA4	169.0	2630	11700	3822	17000	148	67
0.75 HP (0.55 kW)	9.1	0.95	4204	475	BK30Z-../D08MA4	184.8	2518	11200	2698	12000	99	45
0.75 HP (0.55 kW)	8.2	2.0	4602	520	BK50Z-../D08MA4	206.8	3170	14100	5845	26000	212	96
0.75 HP (0.55 kW)	8.0	1.45	4691	530	BK40Z-../D08MA4	211.5	2630	11700	3822	17000	148	67
0.75 HP (0.55 kW)	7.8	0.82	4868	550	BK30Z-../D08MA4	216.5	2518	11200	2698	12000	99	45
0.75 HP (0.55 kW)	7.1	3.2	6461	730	BK60Z-../D08MA4	239.7	3732	16600	7644	34000	262	119
0.75 HP (0.55 kW)	6.9	1.3	5399	610	BK40Z-../D08MA4	246.6	2630	11700	3822	17000	148	67
0.75 HP (0.55 kW)	6.4	1.6	5841	660	BK50Z-../D08MA4	264.5	3170	14100	5845	26000	212	96
0.75 HP (0.55 kW)	6.3	2.8	7346	830	BK60Z-../D08MA4	268.2	3732	16600	7644	34000	262	119
0.75 HP (0.55 kW)	5.8	0.94	6461	730	BK40Z-../D08MA4	289.8	2630	11700	3822	17000	148	67
0.75 HP (0.55 kW)	5.3	2.3	8762	990	BK60Z-../D08MA4	317.7	3732	16600	7644	34000	262	119
0.75 HP (0.55 kW)	5.2	1.25	7169	810	BK50Z-../D08MA4	328.2	3170	14100	5845	26000	212	96
0.75 HP (0.55 kW)	4.8	2.1	9647	1090	BK60Z-../D08MA4	355.5	3732	16600	7644	34000	262	119
0.75 HP (0.55 kW)	4.1	0.83	9028	1020	BK50Z-../D08MA4	414.8	3170	14100	5845	26000	212	96
0.75 HP (0.55 kW)	4.1	1.8	11329	1280	BK60Z-../D08MA4	411.5	3732	16600	7644	34000	262	119
0.75 HP (0.55 kW)	3.7	1.05	9559	1080	BK50G10-../D08MA4	465.1	3170	14100	24954	111000	220	100
0.75 HP (0.55 kW)	3.7	1.65	12480	1410	BK60Z-../D08MA4	460.4	3732	16600	7644	34000	262	119
0.75 HP (0.55 kW)	3.4	1.5	13630	1540	BK60Z-../D08MA4	498.0	3732	16600	7644	34000	262	119
0.75 HP (0.55 kW)	3.3	0.95	10709	1210	BK50G10-../D08MA4	513.4	3170	14100	24954	111000	220	100
0.75 HP (0.55 kW)	3.1	1.35	14958	1690	BK60Z-../D08MA4	557.2	3732	16600	7644	34000	262	119
0.75 HP (0.55 kW)	3.0	0.86	11771	1330	BK50G10-../D08MA4	568.6	3170	14100	24954	111000	220	100
0.75 HP (0.55 kW)	3.0	3.0	15489	1750	BK70Z-../D08MA4	570.8	5418	24100	11240	50000	456	207
0.75 HP (0.55 kW)	2.8	1.55	14250	1610	BK60G20-../D08MA4	621.5	3732	16600	7644	34000	278	126
0.75 HP (0.55 kW)	2.7	2.7	17170	1940	BK70Z-../D08MA4	644.9	5418	24100	11240	50000	456	207
0.75 HP (0.55 kW)	2.3	1.3	17347	1960	BK60G20-../D08MA4	752.1	3732	16600	7644	34000	278	126
0.75 HP (0.55 kW)	2.3	2.3	19914	2250	BK70Z-../D08MA4	733.6	5418	24100	11240	50000	456	207
0.75 HP (0.55 kW)	2.0	2.5	19914	2250	BK70G20-../D08MA4	847.7	5418	24100	11240	50000	452	205
0.75 HP (0.55 kW)	1.9	1.05	21242	2400	BK60G20-../D08MA4	887.8	3732	16600	7644	34000	278	126
0.75 HP (0.55 kW)	1.8	2.3	22127	2500	BK70G20-../D08MA4	964.6	5418	24100	11240	50000	452	205
0.75 HP (0.55 kW)	1.7	0.91	24340	2750	BK60G20-../D08MA4	1016	3732	16600	7644	34000	278	126
0.75 HP (0.55 kW)	1.5	1.85	26995	3050	BK70G20-../D08MA4	1139	5418	24100	11240	50000	452	205
0.75 HP (0.55 kW)	1.4	1.7	29650	3350	BK70G20-../D08MA4	1280	5418	24100	11240	50000	452	205
0.75 HP (0.55 kW)	1.2	1.45	34518	3900	BK70G20-../D08MA4	1457	5418	24100	11240	50000	452	205
0.75 HP (0.55 kW)	1.1	3.2	31420	3550	BK80G40-../D08MA4	1583	6744	30000	16861	75000	765	347
0.75 HP (0.55 kW)	1.0	1.2	42484	4800	BK70G20-../D08MA4	1696	5418	24100	11240	50000	452	205
0.75 HP (0.55 kW)	0.95	2.7	37173	4200	BK80G40-../D08MA4	1775	6744	30000	16861	75000	765	347
0.75 HP (0.55 kW)	0.85	1.0	49564	5600	BK70G20-../D08MA4	2040	5418	24100	11240	50000	452	205
0.75 HP (0.55 kW)	0.8	2.3	45139	5100	BK80G40-../D08MA4	2205	6744	30000	16861	75000	765	347
0.75 HP (0.55 kW)	0.7	1.9	53104	6000	BK80G40-../D08MA4	2449	6744	30000	16861	75000	765	347
0.75 HP (0.55 kW)	0.65	3.1	52219	5900	BK90G50-../D08MA4	2764	11106	49400	26977	120000	1367	620
0.75 HP (0.55 kW)	0.6	1.6	63725	7200	BK80G40-../D08MA4	2811	6744	30000	16861	75000	765	347
0.75 HP (0.55 kW)	0.55	1.45	70806	8000	BK80G40-../D08MA4	3120	6744	30000	16861	75000	765	347
0.75 HP (0.55 kW)	0.55	2.5	65496	7400	BK90G50-../D08MA4	3065	11106	49400	26977	120000	1367	620
0.75 HP (0.55 kW)	0.46	2.0	82312	9300	BK90G50-../D08MA4	3672	11106	49400	26977	120000	1367	620
0.75 HP (0.55 kW)	0.45	1.15	90278	10200	BK80G40-../D08MA4	3776	6744	30000	16861	75000	765	347
0.75 HP (0.55 kW)	0.42	1.8	91163	10300	BK90G50-../D08MA4	4070	11106	49400	26977	120000	1367	620
0.75 HP (0.55 kW)	0.34	1.4	117715	13300	BK90G50-../D08MA4	4952	11106	49400	26977	120000	1367	620
0.75 HP (0.55 kW)	0.31	1.25	130991	14800	BK90G50-../D08MA4	5491	11106	49400	26977	120000	1367	620
0.75 HP (0.55 kW)	0.27	1.05	153118	17300	BK90G50-../D08MA4	6335	11106	49400	26977	120000	1367	620

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

BK-series bevel geared motors

Selection - bevel geared motors

1 HP (0.75 kW)



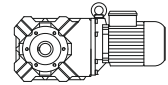
P _N			Output Torque		Type	i	Permissible Overhung Load				Weight	
			lbf-in	Nm			Standard Bearings		Reinforced Bearings		lb	kg
[kW]	RPM	SF					lb.f	N	lb.f	N		
1 HP (0.75 kW)	240	2.7	239	27	BK06-../DPE08XB4	7.25	180	800	-	-	40	18
1 HP (0.75 kW)	185	3.2	314	35.5	BK10-../DPE08XB4	9.40	607	2700	-	-	66	30
1 HP (0.75 kW)	179	2.2	323	36.5	BK06-../DPE08XB4	9.71	198	880	-	-	40	18
1 HP (0.75 kW)	149	1.8	389	44	BK06-../DPE08XB4	11.67	209	930	-	-	40	18
1 HP (0.75 kW)	146	2.6	398	45	BK10-../DPE08XB4	11.93	697	3100	-	-	66	30
1 HP (0.75 kW)	114	1.4	504	57	BK06-../DPE08XB4	15.29	229	1020	-	-	40	18
1 HP (0.75 kW)	103	2.2	549	62	BK10-../DPE08XB4	16.92	832	3700	-	-	66	30
1 HP (0.75 kW)	97	1.2	584	66	BK06-../DPE08XB4	18.00	243	1080	-	-	40	18
1 HP (0.75 kW)	94	2.9	602	68	BK10-../DPE08XB4	18.52	967	4300	-	-	66	30
1 HP (0.75 kW)	81	1.0	699	79	BK06-../DPE08XB4	21.54	259	1150	-	-	40	18
1 HP (0.75 kW)	77	2.4	735	83	BK10-../DPE08XB4	22.65	1045	4650	-	-	66	30
1 HP (0.75 kW)	66	0.82	859	97	BK06-../DPE08XB4	26.36	277	1230	-	-	40	18
1 HP (0.75 kW)	61	1.9	929	105	BK10-../DPE08XB4	28.76	1169	5200	-	-	66	30
1 HP (0.75 kW)	61	3.1	929	105	BK20-../DPE08XB4	28.66	1090	4850	2023	9000	86	39
1 HP (0.75 kW)	51	1.6	1115	126	BK10-../DPE08XB4	34.25	1259	5600	-	-	66	30
1 HP (0.75 kW)	47.5	2.4	1195	135	BK20-../DPE08XB4	36.69	1214	5400	2023	9000	86	39
1 HP (0.75 kW)	43	1.35	1319	149	BK10-../DPE08XB4	40.79	1349	6000	-	-	66	30
1 HP (0.75 kW)	41	2.1	1390	157	BK20-../DPE08XB4	42.70	1304	5800	2023	9000	86	39
1 HP (0.75 kW)	40.5	2.9	1390	157	BK30-../DPE08XB4	42.89	1754	7800	2698	12000	99	45
1 HP (0.75 kW)	35.5	1.1	1584	179	BK10-../DPE08XB4	48.96	1439	6400	-	-	66	30
1 HP (0.75 kW)	35	2.5	1593	180	BK30-../DPE08XB4	50.27	1866	8300	2698	12000	99	45
1 HP (0.75 kW)	34	1.75	1655	187	BK20-../DPE08XB4	51.22	1416	6300	2023	9000	86	39
1 HP (0.75 kW)	29.5	2.1	1859	210	BK30-../DPE08XB4	59.27	2001	8900	2698	12000	99	45
1 HP (0.75 kW)	28.5	0.91	1947	220	BK10-../DPE08XB4	61.68	1574	7000	-	-	66	30
1 HP (0.75 kW)	28.5	1.5	1947	220	BK20-../DPE08XB4	61.30	1461	6500	2023	9000	86	39
1 HP (0.75 kW)	25	3.2	2168	245	BK40-../DPE08XB4	70.11	2203	9800	3822	17000	146	66
1 HP (0.75 kW)	24.5	1.8	2213	250	BK30-../DPE08XB4	71.56	2181	9700	2698	12000	99	45
1 HP (0.75 kW)	23	1.2	2390	270	BK20-../DPE08XB4	76.79	1686	7500	2023	9000	86	39
1 HP (0.75 kW)	21	2.6	2611	295	BK40-../DPE08XB4	84.36	2405	10700	3822	17000	146	66
1 HP (0.75 kW)	20	1.05	2744	310	BK20-../DPE08XB4	88.12	1798	8000	2023	9000	86	39
1 HP (0.75 kW)	20	1.5	2699	305	BK30-../DPE08XB4	88.38	2383	10600	2698	12000	99	45
1 HP (0.75 kW)	18.5	3.2	2921	330	BK50-../DPE08XB4	95.29	3170	14100	5845	26000	207	94
1 HP (0.75 kW)	17	1.25	3142	355	BK30-../DPE08XB4	102.4	2518	11200	2698	12000	99	45
1 HP (0.75 kW)	17	2.2	3142	355	BK40-../DPE08XB4	104.0	2630	11700	3822	17000	146	66
1 HP (0.75 kW)	16	0.83	3363	380	BK20-../DPE08XB4	108.6	1956	8700	2023	9000	86	39
1 HP (0.75 kW)	15.5	2.7	3452	390	BK50Z-../DPE08XB4	115.4	3170	14100	5845	26000	218	99
1 HP (0.75 kW)	15	1.95	3585	405	BK40Z-../DPE08XB4	118.2	2630	11700	3822	17000	154	70
1 HP (0.75 kW)	14.5	1.1	3673	415	BK30Z-../DPE08XB4	123.9	2518	11200	2698	12000	106	48
1 HP (0.75 kW)	12.5	1.65	4248	480	BK40Z-../DPE08XB4	143.0	2630	11700	3822	17000	154	70
1 HP (0.75 kW)	12	0.9	4425	500	BK30Z-../DPE08XB4	145.1	2518	11200	2698	12000	106	48
1 HP (0.75 kW)	11.5	2.1	4514	510	BK50Z-../DPE08XB4	153.3	3170	14100	5845	26000	218	99
1 HP (0.75 kW)	10.5	1.4	4956	560	BK40Z-../DPE08XB4	169.0	2630	11700	3822	17000	154	70
1 HP (0.75 kW)	9.5	3.1	6638	750	BK60Z-../DPE08XB4	183.2	3732	16600	7644	34000	269	122
1 HP (0.75 kW)	8.5	2.7	7435	840	BK60Z-../DPE08XB4	205.0	3732	16600	7644	34000	269	122
1 HP (0.75 kW)	8.4	1.5	6107	690	BK50Z-../DPE08XB4	206.8	3170	14100	5845	26000	218	99
1 HP (0.75 kW)	8.3	1.1	6196	700	BK40Z-../DPE08XB4	211.5	2630	11700	3822	17000	154	70
1 HP (0.75 kW)	7.3	2.3	8674	980	BK60Z-../DPE08XB4	239.7	3732	16600	7644	34000	269	122
1 HP (0.75 kW)	7.1	0.96	7169	810	BK40Z-../DPE08XB4	246.6	2630	11700	3822	17000	154	70
1 HP (0.75 kW)	6.6	1.2	7700	870	BK50Z-../DPE08XB4	264.5	3170	14100	5845	26000	218	99
1 HP (0.75 kW)	6.5	2.1	9736	1100	BK60Z-../DPE08XB4	268.2	3732	16600	7644	34000	269	122
1 HP (0.75 kW)	5.5	1.75	11506	1300	BK60Z-../DPE08XB4	317.7	3732	16600	7644	34000	269	122
1 HP (0.75 kW)	5.3	0.93	9647	1090	BK50Z-../DPE08XB4	328.2	3170	14100	5845	26000	218	99
1 HP (0.75 kW)	4.9	1.6	12922	1460	BK60Z-../DPE08XB4	355.5	3732	16600	7644	34000	269	122
1 HP (0.75 kW)	4.3	1.4	14692	1660	BK60Z-../DPE08XB4	411.5	3732	16600	7644	34000	269	122
1 HP (0.75 kW)	4.1	3.0	15400	1740	BK70Z-../DPE08XB4	432.1	5418	24100	11240	50000	463	210
1 HP (0.75 kW)	3.8	1.2	16639	1880	BK60Z-../DPE08XB4	460.4	3732	16600	7644	34000	269	122
1 HP (0.75 kW)	3.5	1.15	17701	2000	BK60Z-../DPE08XB4	498.0	3732	16600	7644	34000	269	122
1 HP (0.75 kW)	3.5	2.6	17701	2000	BK70Z-../DPE08XB4	501.8	5418	24100	11240	50000	463	210

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

BK-series bevel geared motors

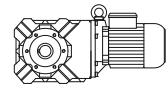
Selection - bevel geared motors

1 HP (0.75 kW)



P _N			Output Torque		Type	i	Permissible Overhung Load				Weight	
			lbf-in	Nm			Standard Bearings		Reinforced Bearings		lb	kg
[kW]	RPM	SF					lb.f	N	lb.f	N		
1 HP (0.75 kW)	3.2	1.05	19472	2200	BK60Z-../DPE08XB4	557.2	3732	16600	7644	34000	269	122
1 HP (0.75 kW)	3.1	2.3	20357	2300	BK70Z-../DPE08XB4	570.8	5418	24100	11240	50000	463	210
1 HP (0.75 kW)	2.8	1.1	19914	2250	BK60G20-../DPE08XB4	621.5	3732	16600	7644	34000	284	129
1 HP (0.75 kW)	2.7	1.95	23454	2650	BK70Z-../DPE08XB4	644.9	5418	24100	11240	50000	463	210
1 HP (0.75 kW)	2.4	0.94	23454	2650	BK60G20-../DPE08XB4	752.1	3732	16600	7644	34000	284	129
1 HP (0.75 kW)	2.4	1.75	26110	2950	BK70Z-../DPE08XB4	733.6	5418	24100	11240	50000	463	210
1 HP (0.75 kW)	2.1	1.85	26995	3050	BK70G20-../DPE08XB4	847.7	5418	24100	11240	50000	459	208
1 HP (0.75 kW)	1.8	1.6	31420	3550	BK70G20-../DPE08XB4	964.6	5418	24100	11240	50000	459	208
1 HP (0.75 kW)	1.6	1.45	35403	4000	BK70G20-../DPE08XB4	1139	5418	24100	11240	50000	459	208
1 HP (0.75 kW)	1.4	1.2	41599	4700	BK70G20-../DPE08XB4	1280	5418	24100	11240	50000	459	208
1 HP (0.75 kW)	1.4	2.8	36288	4100	BK80G40-../DPE08XB4	1307	6744	30000	16861	75000	772	350
1 HP (0.75 kW)	1.3	2.7	38058	4300	BK80G40-../DPE08XB4	1425	6744	30000	16861	75000	772	350
1 HP (0.75 kW)	1.2	1.05	48679	5500	BK70G20-../DPE08XB4	1457	5418	24100	11240	50000	459	208
1 HP (0.75 kW)	1.1	0.95	53104	6000	BK70G20-../DPE08XB4	1696	5418	24100	11240	50000	459	208
1 HP (0.75 kW)	1.1	2.2	46024	5200	BK80G40-../DPE08XB4	1583	6744	30000	16861	75000	772	350
1 HP (0.75 kW)	1.0	2.0	51334	5800	BK80G40-../DPE08XB4	1775	6744	30000	16861	75000	772	350
1 HP (0.75 kW)	0.9	3.1	53104	6000	BK90G50-../DPE08XB4	2016	11106	49400	26977	120000	1371	622
1 HP (0.75 kW)	0.8	1.55	66381	7500	BK80G40-../DPE08XB4	2205	6744	30000	16861	75000	772	350
1 HP (0.75 kW)	0.75	1.4	71691	8100	BK80G40-../DPE08XB4	2449	6744	30000	16861	75000	772	350
1 HP (0.75 kW)	0.65	1.2	84082	9500	BK80G40-../DPE08XB4	2811	6744	30000	16861	75000	772	350
1 HP (0.75 kW)	0.65	2.1	78772	8900	BK90G50-../DPE08XB4	2764	11106	49400	26977	120000	1371	622
1 HP (0.75 kW)	0.6	1.1	92048	10400	BK80G40-../DPE08XB4	3120	6744	30000	16861	75000	772	350
1 HP (0.75 kW)	0.6	1.9	86737	9800	BK90G50-../DPE08XB4	3065	11106	49400	26977	120000	1371	622
1 HP (0.75 kW)	0.48	1.45	113290	12800	BK90G50-../DPE08XB4	3672	11106	49400	26977	120000	1371	622
1 HP (0.75 kW)	0.43	1.3	128336	14500	BK90G50-../DPE08XB4	4070	11106	49400	26977	120000	1371	622
1 HP (0.75 kW)	0.36	1.05	156658	17700	BK90G50-../DPE08XB4	4952	11106	49400	26977	120000	1371	622

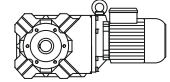
1.5 HP (1.1 kW)



P _N			Output Torque		Type	i	Permissible Overhung Load				Weight	
			lbf-in	Nm			Standard Bearings		Reinforced Bearings		lb	kg
[kW]	RPM	SF					lb.f	N	lb.f	N		
1.5 HP (1.1 kW)	400	4.0	212	24	BK10-../DPE09XB4	4.44	427	1900	-	-	88	40
1.5 HP (1.1 kW)	295	3.2	288	32.5	BK10-../DPE09XB4	6.02	472	2100	-	-	88	40
1.5 HP (1.1 kW)	230	2.7	372	42	BK10-../DPE09XB4	7.68	540	2400	-	-	88	40
1.5 HP (1.1 kW)	187	2.3	451	51	BK10-../DPE09XB4	9.40	607	2700	-	-	88	40
1.5 HP (1.1 kW)	165	3.2	504	57	BK10-../DPE09XB4	10.70	787	3500	-	-	88	40
1.5 HP (1.1 kW)	148	1.75	575	65	BK10-../DPE09XB4	11.93	697	3100	-	-	88	40
1.5 HP (1.1 kW)	122	2.6	682	77	BK10-../DPE09XB4	14.50	877	3900	-	-	88	40
1.5 HP (1.1 kW)	104	1.5	797	90	BK10-../DPE09XB4	16.92	832	3700	-	-	88	40
1.5 HP (1.1 kW)	101	2.5	832	94	BK20-../DPE09XB4	17.42	731	3250	2023	9000	110	50
1.5 HP (1.1 kW)	95	2.0	876	99	BK10-../DPE09XB4	18.52	967	4300	-	-	88	40
1.5 HP (1.1 kW)	91	3.2	912	103	BK20-../DPE09XB4	19.39	910	4050	2023	9000	110	50
1.5 HP (1.1 kW)	85	2.9	991	112	BK30-../DPE09XB4	20.85	1124	5000	2698	12000	123	56
1.5 HP (1.1 kW)	78	1.65	1071	121	BK10-../DPE09XB4	22.65	1045	4650	-	-	88	40
1.5 HP (1.1 kW)	73	2.6	1142	129	BK20-../DPE09XB4	24.29	1012	4500	2023	9000	110	50
1.5 HP (1.1 kW)	62	1.3	1345	152	BK10-../DPE09XB4	28.76	1169	5200	-	-	88	40
1.5 HP (1.1 kW)	62	2.2	1345	152	BK20-../DPE09XB4	28.66	1090	4850	2023	9000	110	50
1.5 HP (1.1 kW)	62	3.0	1345	152	BK30-../DPE09XB4	28.76	1461	6500	2698	12000	123	56
1.5 HP (1.1 kW)	53	2.5	1575	178	BK30-../DPE09XB4	33.70	1574	7000	2698	12000	123	56
1.5 HP (1.1 kW)	52	1.1	1602	181	BK10-../DPE09XB4	34.25	1259	5600	-	-	88	40
1.5 HP (1.1 kW)	48	1.7	1735	196	BK20-../DPE09XB4	36.69	1214	5400	2023	9000	110	50
1.5 HP (1.1 kW)	43.5	0.93	1903	215	BK10-../DPE09XB4	40.79	1349	6000	-	-	88	40

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

1.5 HP (1.1 kW)



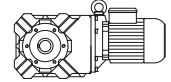
P _N			Output Torque		Type	i	Permissible Overhung Load				Weight	
			lbf-in	Nm			Standard Bearings		Reinforced Bearings		lb	kg
[kW]	RPM	SF					lb.f	N	lb.f	N		
1.5 HP (1.1 kW)	41.5	1.45	1991	225	BK20-../DPE09XB4	42.70	1304	5800	2023	9000	110	50
1.5 HP (1.1 kW)	41	2.0	1991	225	BK30-../DPE09XB4	42.89	1754	7800	2698	12000	123	56
1.5 HP (1.1 kW)	35	1.75	2301	260	BK30-../DPE09XB4	50.27	1866	8300	2698	12000	123	56
1.5 HP (1.1 kW)	34.5	1.2	2390	270	BK20-../DPE09XB4	51.22	1416	6300	2023	9000	110	50
1.5 HP (1.1 kW)	34.5	2.9	2345	265	BK40-../DPE09XB4	51.18	1888	8400	3822	17000	168	76
1.5 HP (1.1 kW)	30	1.5	2699	305	BK30-../DPE09XB4	59.27	2001	8900	2698	12000	123	56
1.5 HP (1.1 kW)	29.5	2.5	2744	310	BK40-../DPE09XB4	59.66	2046	9100	3822	17000	168	76
1.5 HP (1.1 kW)	29	1.05	2832	320	BK20-../DPE09XB4	61.30	1461	6500	2023	9000	110	50
1.5 HP (1.1 kW)	29	3.3	2788	315	BK50-../DPE09XB4	60.76	2563	11400	5845	26000	229	104
1.5 HP (1.1 kW)	25.5	2.2	3142	355	BK40-../DPE09XB4	70.11	2203	9800	3822	17000	168	76
1.5 HP (1.1 kW)	25	1.25	3231	365	BK30-../DPE09XB4	71.56	2181	9700	2698	12000	123	56
1.5 HP (1.1 kW)	23.5	2.7	3408	385	BK50-../DPE09XB4	75.40	2833	12600	5845	26000	229	104
1.5 HP (1.1 kW)	23	0.83	3540	400	BK20-../DPE09XB4	76.79	1686	7500	2023	9000	110	50
1.5 HP (1.1 kW)	21	1.8	3850	435	BK40-../DPE09XB4	84.36	2405	10700	3822	17000	168	76
1.5 HP (1.1 kW)	20	1.0	3983	450	BK30-../DPE09XB4	88.38	2383	10600	2698	12000	123	56
1.5 HP (1.1 kW)	18.5	2.2	4293	485	BK50-../DPE09XB4	95.29	3170	14100	5845	26000	229	104
1.5 HP (1.1 kW)	17.5	0.88	4514	510	BK30-../DPE09XB4	102.4	2518	11200	2698	12000	123	56
1.5 HP (1.1 kW)	17	1.5	4602	520	BK40-../DPE09XB4	104.0	2630	11700	3822	17000	168	76
1.5 HP (1.1 kW)	15.5	1.85	5045	570	BK50Z-../DPE09XB4	115.4	3170	14100	5845	26000	240	109
1.5 HP (1.1 kW)	15	1.3	5222	590	BK40Z-../DPE09XB4	118.2	2630	11700	3822	17000	176	80
1.5 HP (1.1 kW)	14.5	3.2	6373	720	BK60-../DPE09XB4	122.5	3485	15500	7644	34000	249	113
1.5 HP (1.1 kW)	13	2.9	7081	800	BK60-../DPE09XB4	137.0	3732	16600	7644	34000	249	113
1.5 HP (1.1 kW)	12.5	1.1	6196	700	BK40Z-../DPE09XB4	143.0	2630	11700	3822	17000	176	80
1.5 HP (1.1 kW)	11.5	1.4	6638	750	BK50Z-../DPE09XB4	153.3	3170	14100	5845	26000	240	109
1.5 HP (1.1 kW)	11.5	2.5	8054	910	BK60Z-../DPE09XB4	153.7	3732	16600	7644	34000	291	132
1.5 HP (1.1 kW)	10.5	0.94	7346	830	BK40Z-../DPE09XB4	169.0	2630	11700	3822	17000	176	80
1.5 HP (1.1 kW)	9.6	2.1	9647	1090	BK60Z-../DPE09XB4	183.2	3732	16600	7644	34000	291	132
1.5 HP (1.1 kW)	8.6	1.9	10798	1220	BK60Z-../DPE09XB4	205.0	3732	16600	7644	34000	291	132
1.5 HP (1.1 kW)	8.5	1.05	8939	1010	BK50Z-../DPE09XB4	206.8	3170	14100	5845	26000	240	109
1.5 HP (1.1 kW)	7.4	1.65	12480	1410	BK60Z-../DPE09XB4	239.7	3732	16600	7644	34000	291	132
1.5 HP (1.1 kW)	6.7	0.83	11240	1270	BK50Z-../DPE09XB4	264.5	3170	14100	5845	26000	240	109
1.5 HP (1.1 kW)	6.6	1.45	14073	1590	BK60Z-../DPE09XB4	268.2	3732	16600	7644	34000	291	132
1.5 HP (1.1 kW)	6.0	3.0	15489	1750	BK70Z-../DPE09XB4	293.3	5418	24100	11240	50000	485	220
1.5 HP (1.1 kW)	5.6	1.25	16551	1870	BK60Z-../DPE09XB4	317.7	3732	16600	7644	34000	291	132
1.5 HP (1.1 kW)	5.3	2.6	17524	1980	BK70Z-../DPE09XB4	333.6	5418	24100	11240	50000	485	220
1.5 HP (1.1 kW)	5.0	1.1	18587	2100	BK60Z-../DPE09XB4	355.5	3732	16600	7644	34000	291	132
1.5 HP (1.1 kW)	4.7	2.4	19472	2200	BK70Z-../DPE09XB4	379.9	5418	24100	11240	50000	485	220
1.5 HP (1.1 kW)	4.3	0.96	21242	2400	BK60Z-../DPE09XB4	411.5	3732	16600	7644	34000	291	132
1.5 HP (1.1 kW)	4.1	2.0	22569	2550	BK70Z-../DPE09XB4	432.1	5418	24100	11240	50000	485	220
1.5 HP (1.1 kW)	3.9	0.87	23454	2650	BK60Z-../DPE09XB4	460.4	3732	16600	7644	34000	291	132
1.5 HP (1.1 kW)	3.5	1.75	26552	3000	BK70Z-../DPE09XB4	501.8	5418	24100	11240	50000	485	220
1.5 HP (1.1 kW)	3.1	1.55	29650	3350	BK70Z-../DPE09XB4	570.8	5418	24100	11240	50000	485	220
1.5 HP (1.1 kW)	2.8	1.4	33190	3750	BK70Z-../DPE09XB4	644.9	5418	24100	11240	50000	485	220
1.5 HP (1.1 kW)	2.4	1.2	38501	4350	BK70Z-../DPE09XB4	733.6	5418	24100	11240	50000	485	220
1.5 HP (1.1 kW)	2.4	3.2	31420	3550	BK80G40-../DPE09XB4	756.3	6744	30000	16861	75000	794	360
1.5 HP (1.1 kW)	2.1	1.25	40713	4600	BK70G20-../DPE09XB4	847.7	5418	24100	11240	50000	481	218
1.5 HP (1.1 kW)	2.1	2.8	35846	4050	BK80G40-../DPE09XB4	847.2	6744	30000	16861	75000	794	360
1.5 HP (1.1 kW)	1.9	1.1	45139	5100	BK70G20-../DPE09XB4	964.6	5418	24100	11240	50000	481	218
1.5 HP (1.1 kW)	1.9	2.5	40713	4600	BK80G40-../DPE09XB4	963.0	6744	30000	16861	75000	794	360
1.5 HP (1.1 kW)	1.7	2.3	45139	5100	BK80G40-../DPE09XB4	1079	6744	30000	16861	75000	794	360
1.5 HP (1.1 kW)	1.6	0.93	53990	6100	BK70G20-../DPE09XB4	1139	5418	24100	11240	50000	481	218
1.5 HP (1.1 kW)	1.4	0.8	62840	7100	BK70G20-../DPE09XB4	1280	5418	24100	11240	50000	481	218
1.5 HP (1.1 kW)	1.4	1.8	56645	6400	BK80G40-../DPE09XB4	1307	6744	30000	16861	75000	794	360
1.5 HP (1.1 kW)	1.3	1.65	61070	6900	BK80G40-../DPE09XB4	1425	6744	30000	16861	75000	794	360
1.5 HP (1.1 kW)	1.3	2.7	60185	6800	BK90G50-../DPE09XB4	1363	11106	49400	26977	120000	1396	633
1.5 HP (1.1 kW)	1.2	1.55	66381	7500	BK80G40-../DPE09XB4	1583	6744	30000	16861	75000	794	360
1.5 HP (1.1 kW)	1.2	2.6	63725	7200	BK90G50-../DPE09XB4	1579	11106	49400	26977	120000	1396	633
1.5 HP (1.1 kW)	1.0	1.25	81427	9200	BK80G40-../DPE09XB4	1775	6744	30000	16861	75000	794	360

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

BK-series bevel geared motors

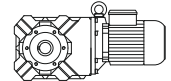
Selection - bevel geared motors

1.5 HP (1.1 kW)



P _N			Output Torque		Type	i	Permissible Overhung Load				Weight	
			lb·ft-in	Nm			Standard Bearings		Reinforced Bearings		lb	kg
[kW]	RPM	SF					lb·f	N	lb·f	N		
1.5 HP (1.1 kW)	1.0	2.1	77001	8700	BK90G50-../DPE09XB4	1803	11106	49400	26977	120000	1396	633
1.5 HP (1.1 kW)	0.9	1.9	85852	9700	BK90G50-../DPE09XB4	2016	11106	49400	26977	120000	1396	633
1.5 HP (1.1 kW)	0.65	1.3	123910	14000	BK90G50-../DPE09XB4	2764	11106	49400	26977	120000	1396	633
1.5 HP (1.1 kW)	0.6	1.2	136301	15400	BK90G50-../DPE09XB4	3065	11106	49400	26977	120000	1396	633

2 HP (1.5 kW)



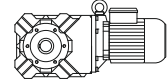
P _N			Output Torque		Type	i	Permissible Overhung Load				Weight	
			lb·ft-in	Nm			Standard Bearings		Reinforced Bearings		lb	kg
[kW]	RPM	SF					lb·f	N	lb·f	N		
2 HP (1.5 kW)	395	2.9	292	33	BK10-../DPE09XB4	4.44	427	1900	-	-	88	40
2 HP (1.5 kW)	290	2.3	398	45	BK10-../DPE09XB4	6.02	472	2100	-	-	88	40
2 HP (1.5 kW)	230	2.0	504	57	BK10-../DPE09XB4	7.68	540	2400	-	-	88	40
2 HP (1.5 kW)	186	1.65	620	70	BK10-../DPE09XB4	9.40	607	2700	-	-	88	40
2 HP (1.5 kW)	177	3.1	655	74	BK20-../DPE09XB4	9.91	429	1910	1866	8300	110	50
2 HP (1.5 kW)	164	2.3	690	78	BK10-../DPE09XB4	10.70	787	3500	-	-	88	40
2 HP (1.5 kW)	150	2.7	770	87	BK20-../DPE09XB4	11.69	540	2400	1978	8800	110	50
2 HP (1.5 kW)	147	1.3	788	89	BK10-../DPE09XB4	11.93	697	3100	-	-	88	40
2 HP (1.5 kW)	125	3.1	920	104	BK30-../DPE09XB4	13.98	910	4050	2698	12000	123	56
2 HP (1.5 kW)	121	1.9	938	106	BK10-../DPE09XB4	14.50	877	3900	-	-	88	40
2 HP (1.5 kW)	119	3.1	956	108	BK20-../DPE09XB4	14.75	821	3650	2023	9000	110	50
2 HP (1.5 kW)	104	1.1	1089	123	BK10-../DPE09XB4	16.92	832	3700	-	-	88	40
2 HP (1.5 kW)	101	1.8	1142	129	BK20-../DPE09XB4	17.42	731	3250	2023	9000	110	50
2 HP (1.5 kW)	95	1.5	1195	135	BK10-../DPE09XB4	18.52	967	4300	-	-	88	40
2 HP (1.5 kW)	90	2.3	1266	143	BK20-../DPE09XB4	19.39	910	4050	2023	9000	110	50
2 HP (1.5 kW)	84	2.1	1372	155	BK30-../DPE09XB4	20.85	1124	5000	2698	12000	123	56
2 HP (1.5 kW)	78	1.2	1460	165	BK10-../DPE09XB4	22.65	1045	4650	-	-	88	40
2 HP (1.5 kW)	76	2.7	1496	169	BK30-../DPE09XB4	23.20	1326	5900	2698	12000	123	56
2 HP (1.5 kW)	72	1.85	1584	179	BK20-../DPE09XB4	24.29	1012	4500	2023	9000	110	50
2 HP (1.5 kW)	61	0.95	1859	210	BK10-../DPE09XB4	28.76	1169	5200	-	-	88	40
2 HP (1.5 kW)	61	1.55	1859	210	BK20-../DPE09XB4	28.66	1090	4850	2023	9000	110	50
2 HP (1.5 kW)	61	2.1	1859	210	BK30-../DPE09XB4	28.76	1461	6500	2698	12000	123	56
2 HP (1.5 kW)	52	1.85	2168	245	BK30-../DPE09XB4	33.70	1574	7000	2698	12000	123	56
2 HP (1.5 kW)	51	0.8	2213	250	BK10-../DPE09XB4	34.25	1259	5600	-	-	88	40
2 HP (1.5 kW)	51	3.1	2213	250	BK40-../DPE09XB4	34.61	1551	6900	3822	17000	168	76
2 HP (1.5 kW)	48	1.25	2345	265	BK20-../DPE09XB4	36.69	1214	5400	2023	9000	110	50
2 HP (1.5 kW)	43	2.6	2611	295	BK40-../DPE09XB4	40.88	1709	7600	3822	17000	168	76
2 HP (1.5 kW)	41	1.05	2744	310	BK20-../DPE09XB4	42.70	1304	5800	2023	9000	110	50
2 HP (1.5 kW)	41	1.45	2744	310	BK30-../DPE09XB4	42.89	1754	7800	2698	12000	123	56
2 HP (1.5 kW)	37	3.1	3009	340	BK50-../DPE09XB4	47.50	2271	10100	5778	25700	229	104
2 HP (1.5 kW)	35	1.25	3186	360	BK30-../DPE09XB4	50.27	1866	8300	2698	12000	123	56
2 HP (1.5 kW)	34.5	0.9	3231	365	BK20-../DPE09XB4	51.22	1416	6300	2023	9000	110	50
2 HP (1.5 kW)	34.5	2.1	3231	365	BK40-../DPE09XB4	51.18	1888	8400	3822	17000	168	76
2 HP (1.5 kW)	29.5	1.05	3762	425	BK30-../DPE09XB4	59.27	2001	8900	2698	12000	123	56
2 HP (1.5 kW)	29.5	1.85	3762	425	BK40-../DPE09XB4	59.66	2046	9100	3822	17000	168	76
2 HP (1.5 kW)	29	2.4	3806	430	BK50-../DPE09XB4	60.76	2563	11400	5845	26000	229	104
2 HP (1.5 kW)	25	1.6	4381	495	BK40-../DPE09XB4	70.11	2203	9800	3822	17000	168	76
2 HP (1.5 kW)	24.5	0.9	4425	500	BK30-../DPE09XB4	71.56	2181	9700	2698	12000	123	56
2 HP (1.5 kW)	23.5	2.0	4691	530	BK50-../DPE09XB4	75.40	2833	12600	5845	26000	229	104
2 HP (1.5 kW)	21	1.3	5222	590	BK40-../DPE09XB4	84.36	2405	10700	3822	17000	168	76
2 HP (1.5 kW)	20	3.2	6284	710	BK60-../DPE09XB4	87.41	2900	12900	7644	34000	249	113
2 HP (1.5 kW)	18.5	1.6	5841	660	BK50-../DPE09XB4	95.29	3170	14100	5845	26000	229	104
2 HP (1.5 kW)	17.5	2.8	7169	810	BK60-../DPE09XB4	101.2	3125	13900	7644	34000	249	113

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

BK-series bevel geared motors

Selection - bevel geared motors

2 HP (1.5 kW)



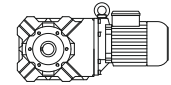
P _N			Output Torque		Type	i	Permissible Overhung Load				Weight	
			lbf-in	Nm			Standard Bearings		Reinforced Bearings		lb	kg
[kW]	RPM	SF					lb.f	N	lb.f	N		
2 HP (1.5 kW)	17	1.1	6284	710	BK40-../DPE09XB4	104.0	2630	11700	3822	17000	168	76
2 HP (1.5 kW)	15.5	1.35	6904	780	BK50Z-../DPE09XB4	115.4	3170	14100	5845	26000	240	109
2 HP (1.5 kW)	15.5	2.5	8143	920	BK60-../DPE09XB4	113.2	3372	15000	7644	34000	249	113
2 HP (1.5 kW)	15	0.96	7169	810	BK40Z-../DPE09XB4	118.2	2630	11700	3822	17000	176	80
2 HP (1.5 kW)	14.5	2.3	8674	980	BK60-../DPE09XB4	122.5	3485	15500	7644	34000	249	113
2 HP (1.5 kW)	13	2.1	9736	1100	BK60-../DPE09XB4	137.0	3732	16600	7644	34000	249	113
2 HP (1.5 kW)	12.5	0.81	8497	960	BK40Z-../DPE09XB4	143.0	2630	11700	3822	17000	176	80
2 HP (1.5 kW)	11.5	1.0	9116	1030	BK50Z-../DPE09XB4	153.3	3170	14100	5845	26000	240	109
2 HP (1.5 kW)	11.5	1.85	10975	1240	BK60Z-../DPE09XB4	153.7	3732	16600	7644	34000	291	132
2 HP (1.5 kW)	9.6	1.55	13188	1490	BK60Z-../DPE09XB4	183.2	3732	16600	7644	34000	291	132
2 HP (1.5 kW)	8.6	1.4	14692	1660	BK60Z-../DPE09XB4	205.0	3732	16600	7644	34000	291	132
2 HP (1.5 kW)	7.8	2.8	16197	1830	BK70Z-../DPE09XB4	226.2	5418	24100	11240	50000	485	220
2 HP (1.5 kW)	7.3	1.15	17347	1960	BK60Z-../DPE09XB4	239.7	3732	16600	7644	34000	291	132
2 HP (1.5 kW)	6.8	2.5	18587	2100	BK70Z-../DPE09XB4	257.3	5418	24100	11240	50000	485	220
2 HP (1.5 kW)	6.6	1.05	19029	2150	BK60Z-../DPE09XB4	268.2	3732	16600	7644	34000	291	132
2 HP (1.5 kW)	6.0	2.2	20799	2350	BK70Z-../DPE09XB4	293.3	5418	24100	11240	50000	485	220
2 HP (1.5 kW)	5.5	0.88	23012	2600	BK60Z-../DPE09XB4	317.7	3732	16600	7644	34000	291	132
2 HP (1.5 kW)	5.3	1.95	23897	2700	BK70Z-../DPE09XB4	333.6	5418	24100	11240	50000	485	220
2 HP (1.5 kW)	5.0	0.81	25225	2850	BK60Z-../DPE09XB4	355.5	3732	16600	7644	34000	291	132
2 HP (1.5 kW)	4.6	1.7	27437	3100	BK70Z-../DPE09XB4	379.9	5418	24100	11240	50000	485	220
2 HP (1.5 kW)	4.1	1.5	30535	3450	BK70Z-../DPE09XB4	432.1	5418	24100	11240	50000	485	220
2 HP (1.5 kW)	4.1	3.3	30535	3450	BK80Z-../DPE09XB4	435.7	6744	30000	16861	75000	769	349
2 HP (1.5 kW)	3.5	1.3	35846	4050	BK70Z-../DPE09XB4	501.8	5418	24100	11240	50000	485	220
2 HP (1.5 kW)	3.5	2.8	35846	4050	BK80Z-../DPE09XB4	499.5	6744	30000	16861	75000	769	349
2 HP (1.5 kW)	3.2	2.6	39386	4450	BK80Z-../DPE09XB4	559.5	6744	30000	16861	75000	769	349
2 HP (1.5 kW)	3.1	1.15	40713	4600	BK70Z-../DPE09XB4	570.8	5418	24100	11240	50000	485	220
2 HP (1.5 kW)	2.9	2.8	36731	4150	BK80G40-../DPE09XB4	607.8	6744	30000	16861	75000	794	360
2 HP (1.5 kW)	2.8	1.0	45139	5100	BK70Z-../DPE09XB4	644.9	5418	24100	11240	50000	485	220
2 HP (1.5 kW)	2.6	2.5	41156	4650	BK80G40-../DPE09XB4	680.9	6744	30000	16861	75000	794	360
2 HP (1.5 kW)	2.5	3.2	50449	5700	BK90Z-../DPE09XB4	713.5	11106	49400	26977	120000	1371	622
2 HP (1.5 kW)	2.4	0.88	52219	5900	BK70Z-../DPE09XB4	733.6	5418	24100	11240	50000	485	220
2 HP (1.5 kW)	2.4	2.3	45139	5100	BK80G40-../DPE09XB4	756.3	6744	30000	16861	75000	794	360
2 HP (1.5 kW)	2.1	0.89	56645	6400	BK70G20-../DPE09XB4	847.7	5418	24100	11240	50000	481	218
2 HP (1.5 kW)	2.1	1.95	52219	5900	BK80G40-../DPE09XB4	847.2	6744	30000	16861	75000	794	360
2 HP (1.5 kW)	2.0	3.1	52219	5900	BK90G50-../DPE09XB4	882.3	11106	49400	26977	120000	1396	633
2 HP (1.5 kW)	1.9	0.8	62840	7100	BK70G20-../DPE09XB4	964.6	5418	24100	11240	50000	481	218
2 HP (1.5 kW)	1.9	1.75	58415	6600	BK80G40-../DPE09XB4	963.0	6744	30000	16861	75000	794	360
2 HP (1.5 kW)	1.8	2.8	58415	6600	BK90G50-../DPE09XB4	1008	11106	49400	26977	120000	1396	633
2 HP (1.5 kW)	1.7	1.55	65496	7400	BK80G40-../DPE09XB4	1079	6744	30000	16861	75000	794	360
2 HP (1.5 kW)	1.6	2.5	65496	7400	BK90G50-../DPE09XB4	1127	11106	49400	26977	120000	1396	633
2 HP (1.5 kW)	1.4	1.25	81427	9200	BK80G40-../DPE09XB4	1307	6744	30000	16861	75000	794	360
2 HP (1.5 kW)	1.3	1.15	86737	9800	BK80G40-../DPE09XB4	1425	6744	30000	16861	75000	794	360
2 HP (1.5 kW)	1.3	1.9	86737	9800	BK90G50-../DPE09XB4	1363	11106	49400	26977	120000	1396	633
2 HP (1.5 kW)	1.2	1.05	94703	10700	BK80G40-../DPE09XB4	1583	6744	30000	16861	75000	794	360
2 HP (1.5 kW)	1.2	1.8	92048	10400	BK90G50-../DPE09XB4	1579	11106	49400	26977	120000	1396	633
2 HP (1.5 kW)	1.0	0.88	115060	13000	BK80G40-../DPE09XB4	1775	6744	30000	16861	75000	794	360
2 HP (1.5 kW)	1.0	1.45	111519	12600	BK90G50-../DPE09XB4	1803	11106	49400	26977	120000	1396	633
2 HP (1.5 kW)	0.9	1.35	123025	13900	BK90G50-../DPE09XB4	2016	11106	49400	26977	120000	1396	633

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

BK-series bevel geared motors

Selection - bevel geared motors

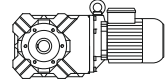
2.4 HP (1.8 kW)



P _N			Output Torque		Type	i	Permissible Overhung Load				Weight	
			lbf-in	Nm			Standard Bearings		Reinforced Bearings		lb	kg
[kW]	RPM	SF					lb.f	N	lb.f	N		
2.4 HP (1.8 kW)	400	2.4	350	39.5	BK10-../DPE09XB4C	4.44	427	1900	-	-	95	43
2.4 HP (1.8 kW)	295	2.0	469	53	BK10-../DPE09XB4C	6.02	472	2100	-	-	95	43
2.4 HP (1.8 kW)	230	1.7	602	68	BK10-../DPE09XB4C	7.68	540	2400	-	-	95	43
2.4 HP (1.8 kW)	225	3.3	620	70	BK20-../DPE09XB4C	7.91	299	1330	1709	7600	115	52
2.4 HP (1.8 kW)	188	1.35	743	84	BK10-../DPE09XB4C	9.40	607	2700	-	-	95	43
2.4 HP (1.8 kW)	178	2.6	779	88	BK20-../DPE09XB4C	9.91	429	1910	1866	8300	115	52
2.4 HP (1.8 kW)	165	1.95	823	93	BK10-../DPE09XB4C	10.70	787	3500	-	-	95	43
2.4 HP (1.8 kW)	158	3.1	859	97	BK20-../DPE09XB4C	11.14	742	3300	1821	8100	115	52
2.4 HP (1.8 kW)	151	2.2	920	104	BK20-../DPE09XB4C	11.69	540	2400	1978	8800	115	52
2.4 HP (1.8 kW)	148	1.1	938	106	BK10-../DPE09XB4C	11.93	697	3100	-	-	95	43
2.4 HP (1.8 kW)	148	3.0	938	106	BK30-../DPE09XB4C	11.93	821	3650	2698	12000	128	58
2.4 HP (1.8 kW)	126	2.6	1097	124	BK30-../DPE09XB4C	13.98	910	4050	2698	12000	128	58
2.4 HP (1.8 kW)	122	1.6	1115	126	BK10-../DPE09XB4C	14.50	877	3900	-	-	95	43
2.4 HP (1.8 kW)	120	2.6	1133	128	BK20-../DPE09XB4C	14.75	821	3650	2023	9000	115	52
2.4 HP (1.8 kW)	105	0.93	1301	147	BK10-../DPE09XB4C	16.92	832	3700	-	-	95	43
2.4 HP (1.8 kW)	102	1.5	1354	153	BK20-../DPE09XB4C	17.42	731	3250	2023	9000	115	52
2.4 HP (1.8 kW)	99	2.9	1381	156	BK30-../DPE09XB4C	17.95	1191	5300	2698	12000	128	58
2.4 HP (1.8 kW)	96	1.25	1425	161	BK10-../DPE09XB4C	18.52	967	4300	-	-	95	43
2.4 HP (1.8 kW)	91	1.95	1505	170	BK20-../DPE09XB4C	19.39	910	4050	2023	9000	115	52
2.4 HP (1.8 kW)	85	1.75	1629	184	BK30-../DPE09XB4C	20.85	1124	5000	2698	12000	128	58
2.4 HP (1.8 kW)	78	1.0	1752	198	BK10-../DPE09XB4C	22.65	1045	4650	-	-	95	43
2.4 HP (1.8 kW)	76	2.3	1770	200	BK30-../DPE09XB4C	23.20	1326	5900	2698	12000	128	58
2.4 HP (1.8 kW)	73	1.55	1859	210	BK20-../DPE09XB4C	24.29	1012	4500	2023	9000	115	52
2.4 HP (1.8 kW)	62	0.82	2168	245	BK10-../DPE09XB4C	28.76	1169	5200	-	-	95	43
2.4 HP (1.8 kW)	62	1.35	2168	245	BK20-../DPE09XB4C	28.66	1090	4850	2023	9000	115	52
2.4 HP (1.8 kW)	62	1.85	2168	245	BK30-../DPE09XB4C	28.76	1461	6500	2698	12000	128	58
2.4 HP (1.8 kW)	62	3.2	2168	245	BK40-../DPE09XB4C	28.59	1416	6300	3822	17000	174	79
2.4 HP (1.8 kW)	53	1.55	2567	290	BK20-../DPE09XB4C	33.70	1574	7000	2698	12000	128	58
2.4 HP (1.8 kW)	51	2.6	2655	300	BK40-../DPE09XB4C	34.61	1551	6900	3822	17000	174	79
2.4 HP (1.8 kW)	48	1.05	2832	320	BK20-../DPE09XB4C	36.69	1214	5400	2023	9000	115	52
2.4 HP (1.8 kW)	43.5	2.2	3142	355	BK40-../DPE09XB4C	40.88	1709	7600	3822	17000	174	79
2.4 HP (1.8 kW)	41.5	0.89	3275	370	BK20-../DPE09XB4C	42.70	1304	5800	2023	9000	115	52
2.4 HP (1.8 kW)	41.5	1.25	3231	365	BK30-../DPE09XB4C	42.89	1754	7800	2698	12000	128	58
2.4 HP (1.8 kW)	37.5	2.6	3585	405	BK50-../DPE09XB4C	47.50	2271	10100	5778	25700	236	107
2.4 HP (1.8 kW)	35.5	1.05	3762	425	BK30-../DPE09XB4C	50.27	1866	8300	2698	12000	128	58
2.4 HP (1.8 kW)	34.5	1.8	3850	435	BK40-../DPE09XB4C	51.18	1888	8400	3822	17000	174	79
2.4 HP (1.8 kW)	30	0.9	4425	500	BK30-../DPE09XB4C	59.27	2001	8900	2698	12000	128	58
2.4 HP (1.8 kW)	30	1.55	4425	500	BK40-../DPE09XB4C	59.66	2046	9100	3822	17000	174	79
2.4 HP (1.8 kW)	29	2.0	4602	520	BK50-../DPE09XB4C	60.76	2563	11400	5845	26000	236	107
2.4 HP (1.8 kW)	25.5	1.35	5133	580	BK40-../DPE09XB4C	70.11	2203	9800	3822	17000	174	79
2.4 HP (1.8 kW)	23.5	1.65	5576	630	BK50-../DPE09XB4C	75.40	2833	12600	5845	26000	236	107
2.4 HP (1.8 kW)	23	3.1	6550	740	BK60-../DPE09XB4C	78.13	2675	11900	7644	34000	254	115
2.4 HP (1.8 kW)	21	1.1	6284	710	BK40-../DPE09XB4C	84.36	2405	10700	3822	17000	174	79
2.4 HP (1.8 kW)	20.5	2.8	7346	830	BK60-../DPE09XB4C	87.41	2900	12900	7644	34000	254	115
2.4 HP (1.8 kW)	18.5	1.35	6992	790	BK50-../DPE09XB4C	95.29	3170	14100	5845	26000	236	107
2.4 HP (1.8 kW)	17.5	2.3	8674	980	BK60-../DPE09XB4C	101.2	3125	13900	7644	34000	254	115
2.4 HP (1.8 kW)	17	0.92	7523	850	BK40-../DPE09XB4C	104.0	2630	11700	3822	17000	174	79
2.4 HP (1.8 kW)	16	2.1	9470	1070	BK60-../DPE09XB4C	113.2	3372	15000	7644	34000	254	115
2.4 HP (1.8 kW)	15.5	1.1	8320	940	BK50Z-../DPE09XB4C	115.4	3170	14100	5845	26000	247	112
2.4 HP (1.8 kW)	15	0.8	8585	970	BK40Z-../DPE09XB4C	118.2	2630	11700	3822	17000	183	83
2.4 HP (1.8 kW)	14.5	1.95	10444	1180	BK60-../DPE09XB4C	122.5	3485	15500	7644	34000	254	115
2.4 HP (1.8 kW)	13	1.75	11683	1320	BK60-../DPE09XB4C	137.0	3732	16600	7644	34000	254	115
2.4 HP (1.8 kW)	11.5	0.85	10975	1240	BK50Z-../DPE09XB4C	153.3	3170	14100	5845	26000	247	112
2.4 HP (1.8 kW)	11.5	1.55	13188	1490	BK60Z-../DPE09XB4C	153.7	3732	16600	7644	34000	298	135
2.4 HP (1.8 kW)	10.5	3.2	14427	1630	BK70-../DPE09XB4C	175.7	5418	24100	11240	50000	445	202
2.4 HP (1.8 kW)	9.7	1.3	15666	1770	BK60Z-../DPE09XB4C	183.2	3732	16600	7644	34000	298	135
2.4 HP (1.8 kW)	9.3	2.8	16285	1840	BK70Z-../DPE09XB4C	190.4	5418	24100	11240	50000	492	223
2.4 HP (1.8 kW)	8.6	1.15	17613	1990	BK60Z-../DPE09XB4C	205.0	3732	16600	7644	34000	298	135

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

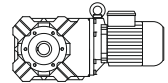
2.4 HP (1.8 kW)



P _N			Output Torque		Type	i	Permissible Overhung Load				Weight	
			lb·f-in	Nm			Standard Bearings		Reinforced Bearings		lb	kg
[kW]	RPM	SF					lb·f	N	lb·f	N		
2.4 HP (1.8 kW)	7.8	2.4	19472	2200	BK70Z-../DPE09XB4C	226.2	5418	24100	11240	50000	492	223
2.4 HP (1.8 kW)	7.4	1.0	20357	2300	BK60Z-../DPE09XB4C	239.7	3732	16600	7644	34000	298	135
2.4 HP (1.8 kW)	6.9	2.1	21684	2450	BK70Z-../DPE09XB4C	257.3	5418	24100	11240	50000	492	223
2.4 HP (1.8 kW)	6.6	0.88	23012	2600	BK60Z-../DPE09XB4C	268.2	3732	16600	7644	34000	298	135
2.4 HP (1.8 kW)	6.1	1.85	24782	2800	BK70Z-../DPE09XB4C	293.3	5418	24100	11240	50000	492	223
2.4 HP (1.8 kW)	5.3	1.65	28322	3200	BK70Z-../DPE09XB4C	333.6	5418	24100	11240	50000	492	223
2.4 HP (1.8 kW)	4.7	1.4	32305	3650	BK70Z-../DPE09XB4C	379.9	5418	24100	11240	50000	492	223
2.4 HP (1.8 kW)	4.6	3.1	32748	3700	BK80Z-../DPE09XB4C	389.0	6744	30000	16861	75000	774	351
2.4 HP (1.8 kW)	4.1	1.25	36731	4150	BK70Z-../DPE09XB4C	432.1	5418	24100	11240	50000	492	223
2.4 HP (1.8 kW)	4.1	2.8	36731	4150	BK80Z-../DPE09XB4C	435.7	6744	30000	16861	75000	774	351
2.4 HP (1.8 kW)	3.6	1.1	42041	4750	BK70Z-../DPE09XB4C	501.8	5418	24100	11240	50000	492	223
2.4 HP (1.8 kW)	3.6	2.4	42041	4750	BK80Z-../DPE09XB4C	499.5	6744	30000	16861	75000	774	351
2.4 HP (1.8 kW)	3.2	2.2	46909	5300	BK80Z-../DPE09XB4C	559.5	6744	30000	16861	75000	774	351
2.4 HP (1.8 kW)	3.1	0.95	48679	5500	BK70Z-../DPE09XB4C	570.8	5418	24100	11240	50000	492	223
2.4 HP (1.8 kW)	2.9	2.3	45139	5100	BK80G40-../DPE09XB4C	607.8	6744	30000	16861	75000	800	363
2.4 HP (1.8 kW)	2.8	0.85	53990	6100	BK70Z-../DPE09XB4C	644.9	5418	24100	11240	50000	492	223
2.4 HP (1.8 kW)	2.8	3.0	53990	6100	BK90Z-../DPE09XB4C	637.7	11106	49400	26977	120000	1376	624
2.4 HP (1.8 kW)	2.6	2.0	50449	5700	BK80G40-../DPE09XB4C	680.9	6744	30000	16861	75000	800	363
2.4 HP (1.8 kW)	2.5	2.7	60185	6800	BK90Z-../DPE09XB4C	713.5	11106	49400	26977	120000	1376	624
2.4 HP (1.8 kW)	2.4	1.85	55760	6300	BK80G40-../DPE09XB4C	756.3	6744	30000	16861	75000	800	363
2.4 HP (1.8 kW)	2.2	2.9	56645	6400	BK90G50-../DPE09XB4C	821.0	11106	49400	26977	120000	1400	635
2.4 HP (1.8 kW)	2.1	1.6	63725	7200	BK80G40-../DPE09XB4C	847.2	6744	30000	16861	75000	800	363
2.4 HP (1.8 kW)	2.0	2.5	65496	7400	BK90G50-../DPE09XB4C	882.3	11106	49400	26977	120000	1400	635
2.4 HP (1.8 kW)	1.9	1.4	71691	8100	BK80G40-../DPE09XB4C	963.0	6744	30000	16861	75000	800	363
2.4 HP (1.8 kW)	1.8	2.3	72576	8200	BK90G50-../DPE09XB4C	1008	11106	49400	26977	120000	1400	635
2.4 HP (1.8 kW)	1.7	1.3	79657	9000	BK80G40-../DPE09XB4C	1079	6744	30000	16861	75000	800	363
2.4 HP (1.8 kW)	1.6	2.0	81427	9200	BK90G50-../DPE09XB4C	1127	11106	49400	26977	120000	1400	635
2.4 HP (1.8 kW)	1.4	1.05	99128	11200	BK80G40-../DPE09XB4C	1307	6744	30000	16861	75000	800	363
2.4 HP (1.8 kW)	1.3	0.96	106209	12000	BK80G40-../DPE09XB4C	1425	6744	30000	16861	75000	800	363
2.4 HP (1.8 kW)	1.3	1.55	106209	12000	BK90G50-../DPE09XB4C	1363	11106	49400	26977	120000	1400	635
2.4 HP (1.8 kW)	1.2	0.88	115945	13100	BK80G40-../DPE09XB4C	1583	6744	30000	16861	75000	800	363
2.4 HP (1.8 kW)	1.2	1.45	113290	12800	BK90G50-../DPE09XB4C	1579	11106	49400	26977	120000	1400	635
2.4 HP (1.8 kW)	1.0	1.2	136301	15400	BK90G50-../DPE09XB4C	1803	11106	49400	26977	120000	1400	635
2.4 HP (1.8 kW)	0.9	1.1	151348	17100	BK90G50-../DPE09XB4C	2016	11106	49400	26977	120000	1400	635

8

3 HP (2.2 kW)



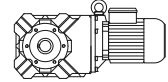
P _N			Output Torque		Type	i	Permissible Overhung Load				Weight	
			lb·f-in	Nm			Standard Bearings		Reinforced Bearings		lb	kg
[kW]	RPM	SF					lb·f	N	lb·f	N		
3 HP (2.2 kW)	375	3.8	451	51	BK30-../DPE11LB4	4.73	348	1550	1978	8800	168	76
3 HP (2.2 kW)	295	3.3	575	65	BK30-../DPE11LB4	6.02	380	1690	2158	9600	168	76
3 HP (2.2 kW)	240	3.4	708	80	BK30-../DPE11LB4	7.45	495	2200	2338	10400	168	76
3 HP (2.2 kW)	183	3.0	929	105	BK30-../DPE11LB4	9.63	708	3150	2585	11500	168	76
3 HP (2.2 kW)	155	3.4	1071	121	BK30-../DPE11LB4	11.39	933	4150	2473	11000	168	76
3 HP (2.2 kW)	148	2.5	1151	130	BK30-../DPE11LB4	11.93	821	3650	2698	12000	168	76
3 HP (2.2 kW)	126	2.1	1336	151	BK30-../DPE11LB4	13.98	910	4050	2698	12000	168	76
3 HP (2.2 kW)	122	2.9	1363	154	BK30-../DPE11LB4	14.50	1102	4900	2698	12000	168	76
3 HP (2.2 kW)	99	2.4	1690	191	BK30-../DPE11LB4	17.95	1191	5300	2698	12000	168	76
3 HP (2.2 kW)	79	3.3	2080	235	BK40-../DPE11LB4	22.44	1236	5500	3709	16500	225	102
3 HP (2.2 kW)	76	1.85	2168	245	BK30-../DPE11LB4	23.20	1326	5900	2698	12000	168	76
3 HP (2.2 kW)	62	1.5	2655	300	BK30-../DPE11LB4	28.76	1461	6500	2698	12000	168	76
3 HP (2.2 kW)	62	2.6	2655	300	BK40-../DPE11LB4	28.59	1416	6300	3822	17000	225	102

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

BK-series bevel geared motors

Selection - bevel geared motors

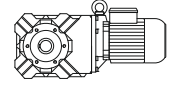
3 HP (2.2 kW)



P _N			Output Torque		Type	i	Permissible Overhung Load				Weight	
			lbf-in	Nm			Standard Bearings		Reinforced Bearings		lb	kg
[kW]	RPM	SF					lb.f	N	lb.f	N		
3 HP (2.2 kW)	53	1.25	3142	355	BK30-../DPE11LB4	33.70	1574	7000	2698	12000	168	76
3 HP (2.2 kW)	51	2.1	3275	370	BK40-../DPE11LB4	34.61	1551	6900	3822	17000	225	102
3 HP (2.2 kW)	50	2.8	3319	375	BK50-../DPE11LB4	35.21	1956	8700	5193	23100	291	132
3 HP (2.2 kW)	43.5	1.8	3806	430	BK40-../DPE11LB4	40.88	1709	7600	3822	17000	225	102
3 HP (2.2 kW)	37.5	2.1	4381	495	BK50-../DPE11LB4	47.50	2271	10100	5778	25700	291	132
3 HP (2.2 kW)	30	3.3	6196	700	BK60-../DPE11LB4	58.95	2226	9900	7081	31500	313	142
3 HP (2.2 kW)	29	1.65	5576	630	BK50-../DPE11LB4	60.76	2563	11400	5845	26000	291	132
3 HP (2.2 kW)	27	3.0	6815	770	BK60-../DPE11LB4	65.95	2450	10900	7419	33000	313	142
3 HP (2.2 kW)	23.5	1.35	6815	770	BK50-../DPE11LB4	75.40	2833	12600	5845	26000	291	132
3 HP (2.2 kW)	23	2.5	8054	910	BK60-../DPE11LB4	78.13	2675	11900	7644	34000	313	142
3 HP (2.2 kW)	20.5	2.3	9028	1020	BK60-../DPE11LB4	87.41	2900	12900	7644	34000	313	142
3 HP (2.2 kW)	17.5	1.9	10621	1200	BK60-../DPE11LB4	101.2	3125	13900	7644	34000	313	142
3 HP (2.2 kW)	16	1.75	11594	1310	BK60-../DPE11LB4	113.2	3372	15000	7644	34000	313	142
3 HP (2.2 kW)	14.5	1.6	12745	1440	BK60-../DPE11LB4	122.5	3485	15500	7644	34000	313	142
3 HP (2.2 kW)	13	1.45	14250	1610	BK60-../DPE11LB4	137.0	3732	16600	7644	34000	313	142
3 HP (2.2 kW)	13	3.2	14250	1610	BK70-../DPE11LB4	136.7	4654	20700	11240	50000	487	221
3 HP (2.2 kW)	11.5	1.25	16108	1820	BK60Z-../DPE11LB4	153.7	3732	16600	7644	34000	348	158
3 HP (2.2 kW)	11.5	2.9	16108	1820	BK70-../DPE11LB4	154.4	4923	21900	11240	50000	487	221
3 HP (2.2 kW)	10.5	2.6	17701	2000	BK70-../DPE11LB4	175.7	5418	24100	11240	50000	487	221
3 HP (2.2 kW)	9.7	1.05	19029	2150	BK60Z-../DPE11LB4	183.2	3732	16600	7644	34000	348	158
3 HP (2.2 kW)	9.3	2.3	19914	2250	BK70Z-../DPE11LB4	190.4	5418	24100	11240	50000	545	247
3 HP (2.2 kW)	8.6	0.96	21242	2400	BK60Z-../DPE11LB4	205.0	3732	16600	7644	34000	348	158
3 HP (2.2 kW)	7.8	1.95	23454	2650	BK70Z-../DPE11LB4	226.2	5418	24100	11240	50000	545	247
3 HP (2.2 kW)	7.4	0.82	24782	2800	BK60Z-../DPE11LB4	239.7	3732	16600	7644	34000	348	158
3 HP (2.2 kW)	6.9	1.75	26552	3000	BK70Z-../DPE11LB4	257.3	5418	24100	11240	50000	545	247
3 HP (2.2 kW)	6.1	1.55	30093	3400	BK70Z-../DPE11LB4	293.3	5418	24100	11240	50000	545	247
3 HP (2.2 kW)	5.9	3.2	31420	3550	BK80Z-../DPE11LB4	300.6	6744	30000	16861	75000	833	378
3 HP (2.2 kW)	5.3	1.3	34960	3950	BK70Z-../DPE11LB4	333.6	5418	24100	11240	50000	545	247
3 HP (2.2 kW)	5.3	2.9	34960	3950	BK80Z-../DPE11LB4	336.7	6744	30000	16861	75000	833	378
3 HP (2.2 kW)	4.7	1.15	39386	4450	BK70Z-../DPE11LB4	379.9	5418	24100	11240	50000	545	247
3 HP (2.2 kW)	4.6	2.5	40271	4550	BK80Z-../DPE11LB4	389.0	6744	30000	16861	75000	833	378
3 HP (2.2 kW)	4.1	1.0	45139	5100	BK70Z-../DPE11LB4	432.1	5418	24100	11240	50000	545	247
3 HP (2.2 kW)	4.1	2.3	45139	5100	BK80Z-../DPE11LB4	435.7	6744	30000	16861	75000	833	378
3 HP (2.2 kW)	3.6	0.9	51334	5800	BK70Z-../DPE11LB4	501.8	5418	24100	11240	50000	545	247
3 HP (2.2 kW)	3.6	2.0	51334	5800	BK80Z-../DPE11LB4	499.5	6744	30000	16861	75000	833	378
3 HP (2.2 kW)	3.6	3.2	51334	5800	BK90Z-../DPE11LB4	499.2	11106	49400	26977	120000	1418	643
3 HP (2.2 kW)	3.2	1.75	57530	6500	BK80Z-../DPE11LB4	559.5	6744	30000	16861	75000	833	378
3 HP (2.2 kW)	3.2	2.8	57530	6500	BK90Z-../DPE11LB4	558.5	11106	49400	26977	120000	1418	643
3 HP (2.2 kW)	2.9	1.8	56645	6400	BK80G40-../DPE11LB4	607.8	6744	30000	16861	75000	851	386
3 HP (2.2 kW)	2.8	2.5	66381	7500	BK90Z-../DPE11LB4	637.7	11106	49400	26977	120000	1418	643
3 HP (2.2 kW)	2.6	1.6	63725	7200	BK80G40-../DPE11LB4	680.9	6744	30000	16861	75000	851	386
3 HP (2.2 kW)	2.5	2.2	74346	8400	BK90Z-../DPE11LB4	713.5	11106	49400	26977	120000	1418	643
3 HP (2.2 kW)	2.4	1.45	69921	7900	BK80G40-../DPE11LB4	756.3	6744	30000	16861	75000	851	386
3 HP (2.2 kW)	2.2	2.3	72576	8200	BK90G50-../DPE11LB4	821.0	11106	49400	26977	120000	1455	660
3 HP (2.2 kW)	2.1	1.3	79657	9000	BK80G40-../DPE11LB4	847.2	6744	30000	16861	75000	851	386
3 HP (2.2 kW)	2.0	2.0	82312	9300	BK90G50-../DPE11LB4	882.3	11106	49400	26977	120000	1455	660
3 HP (2.2 kW)	1.9	1.15	89393	10100	BK80G40-../DPE11LB4	963.0	6744	30000	16861	75000	851	386
3 HP (2.2 kW)	1.8	1.8	91163	10300	BK90G50-../DPE11LB4	1008	11106	49400	26977	120000	1455	660
3 HP (2.2 kW)	1.7	1.0	100013	11300	BK80G40-../DPE11LB4	1079	6744	30000	16861	75000	851	386
3 HP (2.2 kW)	1.6	1.6	102669	11600	BK90G50-../DPE11LB4	1127	11106	49400	26977	120000	1455	660
3 HP (2.2 kW)	1.4	0.83	123025	13900	BK80G40-../DPE11LB4	1307	6744	30000	16861	75000	851	386
3 HP (2.2 kW)	1.3	1.25	131876	14900	BK90G50-../DPE11LB4	1363	11106	49400	26977	120000	1455	660
3 HP (2.2 kW)	1.2	1.15	141612	16000	BK90G50-../DPE11LB4	1579	11106	49400	26977	120000	1455	660
3 HP (2.2 kW)	1.0	0.96	169934	19200	BK90G50-../DPE11LB4	1803	11106	49400	26977	120000	1455	660

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

4 HP (3 kW)



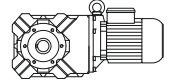
P _N			Output Torque		Type	i	Permissible Overhung Load				Weight	
			lbf-in	Nm			Standard Bearings		Reinforced Bearings		lb	kg
[kW]	RPM	SF					lb.f	N	lb.f	N		
4 HP (3 kW)	375	2.8	620	70	BK30-../DPE11LB4	4.73	348	1550	1978	8800	168	76
4 HP (3 kW)	295	2.4	788	89	BK30-../DPE11LB4	6.02	380	1690	2158	9600	168	76
4 HP (3 kW)	240	2.5	965	109	BK30-../DPE11LB4	7.45	495	2200	2338	10400	168	76
4 HP (3 kW)	183	2.2	1275	144	BK30-../DPE11LB4	9.63	708	3150	2585	11500	168	76
4 HP (3 kW)	155	2.5	1469	166	BK30-../DPE11LB4	11.39	933	4150	2473	11000	168	76
4 HP (3 kW)	149	2.8	1558	176	BK40-../DPE11LB4	11.86	398	1770	2743	12200	225	102
4 HP (3 kW)	148	1.8	1575	178	BK30-../DPE11LB4	11.93	821	3650	2698	12000	168	76
4 HP (3 kW)	126	1.55	1814	205	BK30-../DPE11LB4	13.98	910	4050	2698	12000	168	76
4 HP (3 kW)	122	2.1	1859	210	BK30-../DPE11LB4	14.50	1102	4900	2698	12000	168	76
4 HP (3 kW)	99	1.75	2301	260	BK30-../DPE11LB4	17.95	1191	5300	2698	12000	168	76
4 HP (3 kW)	99	2.8	2301	260	BK50-../DPE11LB4	17.92	1034	4600	3777	16800	291	132
4 HP (3 kW)	98	3.0	2301	260	BK40-../DPE11LB4	18.05	1102	4900	3440	15300	225	102
4 HP (3 kW)	79	2.4	2876	325	BK40-../DPE11LB4	22.44	1236	5500	3709	16500	225	102
4 HP (3 kW)	76	1.35	2965	335	BK30-../DPE11LB4	23.20	1326	5900	2698	12000	168	76
4 HP (3 kW)	67	2.8	3363	380	BK50-../DPE11LB4	26.51	1754	7800	4766	21200	291	132
4 HP (3 kW)	62	1.1	3673	415	BK30-../DPE11LB4	28.76	1461	6500	2698	12000	168	76
4 HP (3 kW)	62	1.9	3673	415	BK40-../DPE11LB4	28.59	1416	6300	3822	17000	225	102
4 HP (3 kW)	53	0.93	4293	485	BK30-../DPE11LB4	33.70	1574	7000	2698	12000	168	76
4 HP (3 kW)	51	1.55	4425	500	BK40-../DPE11LB4	34.61	1551	6900	3822	17000	225	102
4 HP (3 kW)	50	2.1	4514	510	BK50-../DPE11LB4	35.21	1956	8700	5193	23100	291	132
4 HP (3 kW)	43.5	1.3	5222	590	BK40-../DPE11LB4	40.88	1709	7600	3822	17000	225	102
4 HP (3 kW)	39.5	3.2	6373	720	BK60-../DPE11LB4	45.05	1843	8200	6362	28300	313	142
4 HP (3 kW)	37.5	1.55	5930	670	BK50-../DPE11LB4	47.50	2271	10100	5778	25700	291	132
4 HP (3 kW)	35	2.8	7169	810	BK60-../DPE11LB4	50.40	2046	9100	6699	29800	313	142
4 HP (3 kW)	30	2.4	8408	950	BK60-../DPE11LB4	58.95	2226	9900	7081	31500	313	142
4 HP (3 kW)	29	1.2	7612	860	BK50-../DPE11LB4	60.76	2563	11400	5845	26000	291	132
4 HP (3 kW)	27	2.2	9382	1060	BK60-../DPE11LB4	65.95	2450	10900	7419	33000	313	142
4 HP (3 kW)	23.5	0.99	9382	1060	BK50-../DPE11LB4	75.40	2833	12600	5845	26000	291	132
4 HP (3 kW)	23	1.85	10975	1240	BK60-../DPE11LB4	78.13	2675	11900	7644	34000	313	142
4 HP (3 kW)	20.5	1.65	12303	1390	BK60-../DPE11LB4	87.41	2900	12900	7644	34000	313	142
4 HP (3 kW)	17.5	1.4	14427	1630	BK60-../DPE11LB4	101.2	3125	13900	7644	34000	313	142
4 HP (3 kW)	17.5	3.2	14427	1630	BK70-../DPE11LB4	103.5	3867	17200	11240	50000	487	221
4 HP (3 kW)	16	1.3	15843	1790	BK60-../DPE11LB4	113.2	3372	15000	7644	34000	313	142
4 HP (3 kW)	15	2.7	16905	1910	BK70-../DPE11LB4	120.2	4181	18600	11240	50000	487	221
4 HP (3 kW)	14.5	1.15	17436	1970	BK60-../DPE11LB4	122.5	3485	15500	7644	34000	313	142
4 HP (3 kW)	13	1.05	19472	2200	BK60-../DPE11LB4	137.0	3732	16600	7644	34000	313	142
4 HP (3 kW)	13	2.4	19472	2200	BK70-../DPE11LB4	136.7	4654	20700	11240	50000	487	221
4 HP (3 kW)	11.5	0.94	21684	2450	BK60Z-../DPE11LB4	153.7	3732	16600	7644	34000	348	158
4 HP (3 kW)	11.5	2.1	21684	2450	BK70-../DPE11LB4	154.4	4923	21900	11240	50000	487	221
4 HP (3 kW)	10.5	1.95	23897	2700	BK70-../DPE11LB4	175.7	5418	24100	11240	50000	487	221
4 HP (3 kW)	9.3	1.7	26995	3050	BK70Z-../DPE11LB4	190.4	5418	24100	11240	50000	545	247
4 HP (3 kW)	7.8	1.4	32305	3650	BK70Z-../DPE11LB4	226.2	5418	24100	11240	50000	545	247
4 HP (3 kW)	7.8	3.2	32305	3650	BK80Z-../DPE11LB4	226.1	6744	30000	16861	75000	833	378
4 HP (3 kW)	7.0	2.8	35846	4050	BK80Z-../DPE11LB4	253.3	6744	30000	16861	75000	833	378
4 HP (3 kW)	6.9	1.25	36731	4150	BK70Z-../DPE11LB4	257.3	5418	24100	11240	50000	545	247
4 HP (3 kW)	6.1	1.1	41156	4650	BK70Z-../DPE11LB4	293.3	5418	24100	11240	50000	545	247
4 HP (3 kW)	5.9	2.4	42926	4850	BK80Z-../DPE11LB4	300.6	6744	30000	16861	75000	833	378
4 HP (3 kW)	5.3	0.96	47794	5400	BK70Z-../DPE11LB4	333.6	5418	24100	11240	50000	545	247
4 HP (3 kW)	5.3	2.1	47794	5400	BK80Z-../DPE11LB4	336.7	6744	30000	16861	75000	833	378
4 HP (3 kW)	4.7	0.87	53104	6000	BK70Z-../DPE11LB4	379.9	5418	24100	11240	50000	545	247
4 HP (3 kW)	4.6	1.85	54875	6200	BK80Z-../DPE11LB4	389.0	6744	30000	16861	75000	833	378
4 HP (3 kW)	4.6	3.0	54875	6200	BK90Z-../DPE11LB4	389.1	11106	49400	26977	120000	1418	643
4 HP (3 kW)	4.1	1.65	61070	6900	BK80Z-../DPE11LB4	435.7	6744	30000	16861	75000	833	378
4 HP (3 kW)	4.1	2.7	61070	6900	BK90Z-../DPE11LB4	435.3	11106	49400	26977	120000	1418	643
4 HP (3 kW)	3.6	1.45	69921	7900	BK80Z-../DPE11LB4	499.5	6744	30000	16861	75000	833	378
4 HP (3 kW)	3.6	2.3	69921	7900	BK90Z-../DPE11LB4	499.2	11106	49400	26977	120000	1418	643
4 HP (3 kW)	3.2	1.3	78772	8900	BK80Z-../DPE11LB4	559.5	6744	30000	16861	75000	833	378
4 HP (3 kW)	3.2	2.1	78772	8900	BK90Z-../DPE11LB4	558.5	11106	49400	26977	120000	1418	643

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

BK-series bevel geared motors

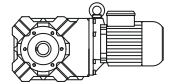
Selection - bevel geared motors

4 HP (3 kW)



P _N			Output Torque		Type	i	Permissible Overhung Load				Weight	
			lbf-in	Nm			Standard Bearings		Reinforced Bearings		lb	kg
[kW]	RPM	SF					lb.f	N	lb.f	N		
4 HP (3 kW)	2.9	1.25	80542	9100	BK80G40-../DPE11LB4	607.8	6744	30000	16861	75000	851	386
4 HP (3 kW)	2.8	1.8	90278	10200	BK90Z-../DPE11LB4	637.7	11106	49400	26977	120000	1418	643
4 HP (3 kW)	2.6	1.15	89393	10100	BK80G40-../DPE11LB4	680.9	6744	30000	16861	75000	851	386
4 HP (3 kW)	2.5	1.6	100899	11400	BK90Z-../DPE11LB4	713.5	11106	49400	26977	120000	1418	643
4 HP (3 kW)	2.4	1.05	98243	11100	BK80G40-../DPE11LB4	756.3	6744	30000	16861	75000	851	386
4 HP (3 kW)	2.2	1.6	102669	11600	BK90G50-../DPE11LB4	821.0	11106	49400	26977	120000	1455	660
4 HP (3 kW)	2.1	0.91	112404	12700	BK80G40-../DPE11LB4	847.2	6744	30000	16861	75000	851	386
4 HP (3 kW)	2.0	1.4	115945	13100	BK90G50-../DPE11LB4	882.3	11106	49400	26977	120000	1455	660
4 HP (3 kW)	1.9	0.82	124796	14100	BK80G40-../DPE11LB4	963.0	6744	30000	16861	75000	851	386
4 HP (3 kW)	1.8	1.3	128336	14500	BK90G50-../DPE11LB4	1008	11106	49400	26977	120000	1455	660
4 HP (3 kW)	1.6	1.15	145152	16400	BK90G50-../DPE11LB4	1127	11106	49400	26977	120000	1455	660
4 HP (3 kW)	1.3	0.89	184096	20800	BK90G50-../DPE11LB4	1363	11106	49400	26977	120000	1455	660
4 HP (3 kW)	1.2	0.83	197372	22300	BK90G50-../DPE11LB4	1579	11106	49400	26977	120000	1455	660

5 HP (3.7 kW)



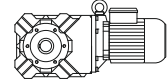
P _N			Output Torque		Type	i	Permissible Overhung Load				Weight	
			lbf-in	Nm			Standard Bearings		Reinforced Bearings		lb	kg
[kW]	RPM	SF					lb.f	N	lb.f	N		
5 HP (3.7 kW)	375	2.3	761	86	BK30-../DPE11LB4	4.73	348	1550	1978	8800	168	76
5 HP (3.7 kW)	295	1.95	974	110	BK30-../DPE11LB4	6.02	380	1690	2158	9600	168	76
5 HP (3.7 kW)	240	2.0	1195	135	BK30-../DPE11LB4	7.45	495	2200	2338	10400	168	76
5 HP (3.7 kW)	190	2.9	1513	171	BK40-../DPE11LB4	9.31	234	1040	2518	11200	225	102
5 HP (3.7 kW)	183	1.8	1567	177	BK30-../DPE11LB4	9.63	708	3150	2585	11500	168	76
5 HP (3.7 kW)	155	2.0	1814	205	BK30-../DPE11LB4	11.39	933	4150	2473	11000	168	76
5 HP (3.7 kW)	149	2.3	1903	215	BK40-../DPE11LB4	11.86	398	1770	2743	12200	225	102
5 HP (3.7 kW)	148	1.5	1903	215	BK30-../DPE11LB4	11.93	821	3650	2698	12000	168	76
5 HP (3.7 kW)	126	1.25	2257	255	BK30-../DPE11LB4	13.98	910	4050	2698	12000	168	76
5 HP (3.7 kW)	122	1.75	2301	260	BK30-../DPE11LB4	14.50	1102	4900	2698	12000	168	76
5 HP (3.7 kW)	122	3.0	2301	260	BK40-../DPE11LB4	14.50	1012	4500	3215	14300	225	102
5 HP (3.7 kW)	99	1.4	2832	320	BK30-../DPE11LB4	17.95	1191	5300	2698	12000	168	76
5 HP (3.7 kW)	99	2.3	2832	320	BK50-../DPE11LB4	17.92	1034	4600	3777	16800	291	132
5 HP (3.7 kW)	98	2.4	2832	320	BK40-../DPE11LB4	18.05	1102	4900	3440	15300	225	102
5 HP (3.7 kW)	92	3.0	3054	345	BK50-../DPE11LB4	19.33	1551	6900	4316	19200	291	132
5 HP (3.7 kW)	79	1.95	3540	400	BK40-../DPE11LB4	22.44	1236	5500	3709	16500	225	102
5 HP (3.7 kW)	76	1.1	3673	415	BK30-../DPE11LB4	23.20	1326	5900	2698	12000	168	76
5 HP (3.7 kW)	67	2.2	4160	470	BK50-../DPE11LB4	26.51	1754	7800	4766	21200	291	132
5 HP (3.7 kW)	62	0.88	4514	510	BK30-../DPE11LB4	28.76	1461	6500	2698	12000	168	76
5 HP (3.7 kW)	62	1.55	4514	510	BK40-../DPE11LB4	28.59	1416	6300	3822	17000	225	102
5 HP (3.7 kW)	51	1.25	5487	620	BK40-../DPE11LB4	34.61	1551	6900	3822	17000	225	102
5 HP (3.7 kW)	50	1.65	5576	630	BK50-../DPE11LB4	35.21	1956	8700	5193	23100	291	132
5 HP (3.7 kW)	47	3.1	6638	750	BK60-../DPE11LB4	37.80	1641	7300	5957	26500	313	142
5 HP (3.7 kW)	43.5	1.05	6461	730	BK40-../DPE11LB4	40.88	1709	7600	3822	17000	225	102
5 HP (3.7 kW)	39.5	2.6	7877	890	BK60-../DPE11LB4	45.05	1843	8200	6362	28300	313	142
5 HP (3.7 kW)	37.5	1.25	7346	830	BK50-../DPE11LB4	47.50	2271	10100	5778	25700	291	132
5 HP (3.7 kW)	35	2.3	8851	1000	BK60-../DPE11LB4	50.40	2046	9100	6699	29800	313	142
5 HP (3.7 kW)	30	1.95	10355	1170	BK60-../DPE11LB4	58.95	2226	9900	7081	31500	313	142
5 HP (3.7 kW)	29	0.98	9470	1070	BK50-../DPE11LB4	60.76	2563	11400	5845	26000	291	132
5 HP (3.7 kW)	27	1.75	11506	1300	BK60-../DPE11LB4	65.95	2450	10900	7419	33000	313	142
5 HP (3.7 kW)	23.5	0.81	11506	1300	BK50-../DPE11LB4	75.40	2833	12600	5845	26000	291	132
5 HP (3.7 kW)	23	1.5	13542	1530	BK60-../DPE11LB4	78.13	2675	11900	7644	34000	313	142
5 HP (3.7 kW)	22.5	3.3	13896	1570	BK70-../DPE11LB4	79.89	3215	14300	10701	47600	487	221
5 HP (3.7 kW)	20.5	1.35	15223	1720	BK60-../DPE11LB4	87.41	2900	12900	7644	34000	313	142

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

BK-series bevel geared motors

Selection - bevel geared motors

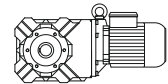
5 HP (3.7 kW)



P _N			Output Torque		Type	i	Permissible Overhung Load				Weight	
			lbf-in	Nm			Standard Bearings		Reinforced Bearings		lb	kg
[kW]	RPM	SF					lb.f	N	lb.f	N		
5 HP (3.7 kW)	19.5	2.9	16020	1810	BK70-../DPE11LB4	90.96	3440	15300	11218	49900	487	221
5 HP (3.7 kW)	17.5	1.15	17701	2000	BK60-../DPE11LB4	101.2	3125	13900	7644	34000	313	142
5 HP (3.7 kW)	17.5	2.6	17701	2000	BK70-../DPE11LB4	103.5	3867	17200	11240	50000	487	221
5 HP (3.7 kW)	16	1.05	19472	2200	BK60-../DPE11LB4	113.2	3372	15000	7644	34000	313	142
5 HP (3.7 kW)	15	2.2	20799	2350	BK70-../DPE11LB4	120.2	4181	18600	11240	50000	487	221
5 HP (3.7 kW)	14.5	0.96	21242	2400	BK60-../DPE11LB4	122.5	3485	15500	7644	34000	313	142
5 HP (3.7 kW)	13	0.85	23897	2700	BK60-../DPE11LB4	137.0	3732	16600	7644	34000	313	142
5 HP (3.7 kW)	13	1.95	23897	2700	BK70-../DPE11LB4	136.7	4654	20700	11240	50000	487	221
5 HP (3.7 kW)	11.5	1.7	26995	3050	BK70-../DPE11LB4	154.4	4923	21900	11240	50000	487	221
5 HP (3.7 kW)	10.5	1.55	29650	3350	BK70-../DPE11LB4	175.7	5418	24100	11240	50000	487	221
5 HP (3.7 kW)	10.5	3.1	29650	3350	BK80-../DPE11LB4	171.5	6744	30000	16861	75000	741	336
5 HP (3.7 kW)	10	3.3	30978	3500	BK80Z-../DPE11LB4	177.6	6744	30000	16861	75000	833	378
5 HP (3.7 kW)	9.3	1.4	33190	3750	BK70Z-../DPE11LB4	190.4	5418	24100	11240	50000	545	247
5 HP (3.7 kW)	8.9	2.9	34960	3950	BK80Z-../DPE11LB4	198.9	6744	30000	16861	75000	833	378
5 HP (3.7 kW)	7.8	1.15	39828	4500	BK70Z-../DPE11LB4	226.2	5418	24100	11240	50000	545	247
5 HP (3.7 kW)	7.8	2.6	39828	4500	BK80Z-../DPE11LB4	226.1	6744	30000	16861	75000	833	378
5 HP (3.7 kW)	7.0	2.3	44254	5000	BK80Z-../DPE11LB4	253.3	6744	30000	16861	75000	833	378
5 HP (3.7 kW)	6.9	1.0	45139	5100	BK70Z-../DPE11LB4	257.3	5418	24100	11240	50000	545	247
5 HP (3.7 kW)	6.1	0.91	50449	5700	BK70Z-../DPE11LB4	293.3	5418	24100	11240	50000	545	247
5 HP (3.7 kW)	6.0	3.2	51334	5800	BK90Z-../DPE11LB4	295.6	11106	49400	26977	120000	1418	643
5 HP (3.7 kW)	5.9	1.95	52219	5900	BK80Z-../DPE11LB4	300.6	6744	30000	16861	75000	833	378
5 HP (3.7 kW)	5.4	2.8	57530	6500	BK90Z-../DPE11LB4	330.7	11106	49400	26977	120000	1418	643
5 HP (3.7 kW)	5.3	1.75	58415	6600	BK80Z-../DPE11LB4	336.7	6744	30000	16861	75000	833	378
5 HP (3.7 kW)	4.6	1.5	67266	7600	BK80Z-../DPE11LB4	389.0	6744	30000	16861	75000	833	378
5 HP (3.7 kW)	4.6	2.4	67266	7600	BK90Z-../DPE11LB4	389.1	11106	49400	26977	120000	1418	643
5 HP (3.7 kW)	4.1	1.35	76116	8600	BK80Z-../DPE11LB4	435.7	6744	30000	16861	75000	833	378
5 HP (3.7 kW)	4.1	2.2	76116	8600	BK90Z-../DPE11LB4	435.3	11106	49400	26977	120000	1418	643
5 HP (3.7 kW)	3.6	1.15	86737	9800	BK80Z-../DPE11LB4	499.5	6744	30000	16861	75000	833	378
5 HP (3.7 kW)	3.6	1.9	86737	9800	BK90Z-../DPE11LB4	499.2	11106	49400	26977	120000	1418	643
5 HP (3.7 kW)	3.2	1.05	97358	11000	BK80Z-../DPE11LB4	559.5	6744	30000	16861	75000	833	378
5 HP (3.7 kW)	3.2	1.7	97358	11000	BK90Z-../DPE11LB4	558.5	11106	49400	26977	120000	1418	643
5 HP (3.7 kW)	2.9	1.0	100899	11400	BK80G40-../DPE11LB4	607.8	6744	30000	16861	75000	851	386
5 HP (3.7 kW)	2.8	1.45	111519	12600	BK90Z-../DPE11LB4	637.7	11106	49400	26977	120000	1418	643
5 HP (3.7 kW)	2.6	0.91	112404	12700	BK80G40-../DPE11LB4	680.9	6744	30000	16861	75000	851	386
5 HP (3.7 kW)	2.5	1.3	124796	14100	BK90Z-../DPE11LB4	713.5	11106	49400	26977	120000	1418	643
5 HP (3.7 kW)	2.4	0.83	123025	13900	BK80G40-../DPE11LB4	756.3	6744	30000	16861	75000	851	386
5 HP (3.7 kW)	2.2	1.25	130106	14700	BK90G50-../DPE11LB4	821.0	11106	49400	26977	120000	1455	660
5 HP (3.7 kW)	2.0	1.15	145152	16400	BK90G50-../DPE11LB4	882.3	11106	49400	26977	120000	1455	660
5 HP (3.7 kW)	1.8	1.0	161084	18200	BK90G50-../DPE11LB4	1008	11106	49400	26977	120000	1455	660
5 HP (3.7 kW)	1.6	0.9	181440	20500	BK90G50-../DPE11LB4	1127	11106	49400	26977	120000	1455	660

8

5.5 HP (4.0 kW)



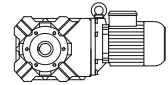
P _N			Output Torque		Type	i	Permissible Overhung Load				Weight	
			lbf-in	Nm			Standard Bearings		Reinforced Bearings		lb	kg
[kW]	RPM	SF					lb.f	N	lb.f	N		
5.5 HP (4.0 kW)	375	2.1	823	93	BK30-../DPE11LB4	4.73	348	1550	1978	8800	168	76
5.5 HP (4.0 kW)	295	1.8	1053	119	BK30-../DPE11LB4	6.02	380	1690	2158	9600	168	76
5.5 HP (4.0 kW)	240	1.85	1292	146	BK30-../DPE11LB4	7.45	495	2200	2338	10400	168	76
5.5 HP (4.0 kW)	235	3.3	1319	149	BK40-../DPE11LB4	7.49	169	750	2360	10500	225	102
5.5 HP (4.0 kW)	190	2.7	1629	184	BK40-../DPE11LB4	9.31	234	1040	2518	11200	225	102
5.5 HP (4.0 kW)	183	1.65	1699	192	BK30-../DPE11LB4	9.63	708	3150	2585	11500	168	76
5.5 HP (4.0 kW)	158	3.3	1903	215	BK40-../DPE11LB4	11.17	922	4100	2945	13100	225	102

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

BK-series bevel geared motors

Selection - bevel geared motors

5.5 HP (4.0 kW)



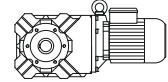
P _N			Output Torque		Type	i	Permissible Overhung Load				Weight	
			lbf-in	Nm			Standard Bearings		Reinforced Bearings		lb	kg
[kW]	RPM	SF					lb.f	N	lb.f	N		
5.5 HP (4.0 kW)	155	1.9	1947	220	BK30-../DPE11LB4	11.39	933	4150	2473	11000	168	76
5.5 HP (4.0 kW)	149	2.1	2080	235	BK40-../DPE11LB4	11.86	398	1770	2743	12200	225	102
5.5 HP (4.0 kW)	148	1.35	2080	235	BK30-../DPE11LB4	11.93	821	3650	2698	12000	168	76
5.5 HP (4.0 kW)	126	1.15	2434	275	BK30-../DPE11LB4	13.98	910	4050	2698	12000	168	76
5.5 HP (4.0 kW)	122	1.6	2478	280	BK30-../DPE11LB4	14.50	1102	4900	2698	12000	168	76
5.5 HP (4.0 kW)	122	2.8	2478	280	BK40-../DPE11LB4	14.50	1012	4500	3215	14300	225	102
5.5 HP (4.0 kW)	99	1.3	3054	345	BK30-../DPE11LB4	17.95	1191	5300	2698	12000	168	76
5.5 HP (4.0 kW)	99	2.1	3098	350	BK50-../DPE11LB4	17.92	1034	4600	3777	16800	291	132
5.5 HP (4.0 kW)	98	2.2	3098	350	BK40-../DPE11LB4	18.05	1102	4900	3440	15300	225	102
5.5 HP (4.0 kW)	92	2.8	3275	370	BK50-../DPE11LB4	19.33	1551	6900	4316	19200	291	132
5.5 HP (4.0 kW)	79	1.8	3850	435	BK40-../DPE11LB4	22.44	1236	5500	3709	16500	225	102
5.5 HP (4.0 kW)	76	1.0	3983	450	BK30-../DPE11LB4	23.20	1326	5900	2698	12000	168	76
5.5 HP (4.0 kW)	67	2.1	4514	510	BK50-../DPE11LB4	26.51	1754	7800	4766	21200	291	132
5.5 HP (4.0 kW)	62	0.82	4868	550	BK30-../DPE11LB4	28.76	1461	6500	2698	12000	168	76
5.5 HP (4.0 kW)	62	1.4	4868	550	BK40-../DPE11LB4	28.59	1416	6300	3822	17000	225	102
5.5 HP (4.0 kW)	53	3.2	6373	720	BK60-../DPE11LB4	33.78	1461	6500	5665	25200	313	142
5.5 HP (4.0 kW)	51	1.15	5930	670	BK40-../DPE11LB4	34.61	1551	6900	3822	17000	225	102
5.5 HP (4.0 kW)	50	1.55	6019	680	BK50-../DPE11LB4	35.21	1956	8700	5193	23100	291	132
5.5 HP (4.0 kW)	47	2.8	7169	810	BK60-../DPE11LB4	37.80	1641	7300	5957	26500	313	142
5.5 HP (4.0 kW)	43.5	0.99	6992	790	BK40-../DPE11LB4	40.88	1709	7600	3822	17000	225	102
5.5 HP (4.0 kW)	39.5	2.4	8497	960	BK60-../DPE11LB4	45.05	1843	8200	6362	28300	313	142
5.5 HP (4.0 kW)	37.5	1.15	7966	900	BK50-../DPE11LB4	47.50	2271	10100	5778	25700	291	132
5.5 HP (4.0 kW)	35	2.1	9647	1090	BK60-../DPE11LB4	50.40	2046	9100	6699	29800	313	142
5.5 HP (4.0 kW)	30	1.8	11240	1270	BK60-../DPE11LB4	58.95	2226	9900	7081	31500	313	142
5.5 HP (4.0 kW)	29	0.91	10178	1150	BK50-../DPE11LB4	60.76	2563	11400	5845	26000	291	132
5.5 HP (4.0 kW)	27	1.65	12480	1410	BK60-../DPE11LB4	65.95	2450	10900	7419	33000	313	142
5.5 HP (4.0 kW)	23	1.4	14692	1660	BK60-../DPE11LB4	78.13	2675	11900	7644	34000	313	142
5.5 HP (4.0 kW)	22.5	3.1	14958	1690	BK70-../DPE11LB4	79.89	3215	14300	10701	47600	487	221
5.5 HP (4.0 kW)	20.5	1.25	16462	1860	BK60-../DPE11LB4	87.41	2900	12900	7644	34000	313	142
5.5 HP (4.0 kW)	19.5	2.7	17259	1950	BK70-../DPE11LB4	90.96	3440	15300	11218	49900	487	221
5.5 HP (4.0 kW)	17.5	1.05	19029	2150	BK60-../DPE11LB4	101.2	3125	13900	7644	34000	313	142
5.5 HP (4.0 kW)	17.5	2.4	19029	2150	BK70-../DPE11LB4	103.5	3867	17200	11240	50000	487	221
5.5 HP (4.0 kW)	16	0.98	20799	2350	BK60-../DPE11LB4	113.2	3372	15000	7644	34000	313	142
5.5 HP (4.0 kW)	15	2.1	22127	2500	BK70-../DPE11LB4	120.2	4181	18600	11240	50000	487	221
5.5 HP (4.0 kW)	14.5	0.88	23012	2600	BK60-../DPE11LB4	122.5	3485	15500	7644	34000	313	142
5.5 HP (4.0 kW)	13	1.8	25667	2900	BK70-../DPE11LB4	136.7	4654	20700	11240	50000	487	221
5.5 HP (4.0 kW)	11.5	1.6	29207	3300	BK70-../DPE11LB4	154.4	4923	21900	11240	50000	487	221
5.5 HP (4.0 kW)	11.5	3.2	29207	3300	BK80-../DPE11LB4	153.1	6115	27200	16861	75000	741	336
5.5 HP (4.0 kW)	10.5	1.45	31863	3600	BK70-../DPE11LB4	175.7	5418	24100	11240	50000	487	221
5.5 HP (4.0 kW)	10.5	2.9	31863	3600	BK80-../DPE11LB4	171.5	6744	30000	16861	75000	741	336
5.5 HP (4.0 kW)	10	3.0	33633	3800	BK80Z-../DPE11LB4	177.6	6744	30000	16861	75000	833	378
5.5 HP (4.0 kW)	9.3	1.25	36288	4100	BK70Z-../DPE11LB4	190.4	5418	24100	11240	50000	545	247
5.5 HP (4.0 kW)	8.9	2.7	37616	4250	BK80Z-../DPE11LB4	198.9	6744	30000	16861	75000	833	378
5.5 HP (4.0 kW)	7.8	1.05	42926	4850	BK70Z-../DPE11LB4	226.2	5418	24100	11240	50000	545	247
5.5 HP (4.0 kW)	7.8	2.4	42926	4850	BK80Z-../DPE11LB4	226.1	6744	30000	16861	75000	833	378
5.5 HP (4.0 kW)	7.0	2.1	47794	5400	BK80Z-../DPE11LB4	253.3	6744	30000	16861	75000	833	378
5.5 HP (4.0 kW)	6.9	0.95	48679	5500	BK70Z-../DPE11LB4	257.3	5418	24100	11240	50000	545	247
5.5 HP (4.0 kW)	6.8	3.3	49564	5600	BK90Z-../DPE11LB4	262.5	11106	49400	26977	120000	1418	643
5.5 HP (4.0 kW)	6.1	0.84	54875	6200	BK70Z-../DPE11LB4	293.3	5418	24100	11240	50000	545	247
5.5 HP (4.0 kW)	6.0	2.9	55760	6300	BK90Z-../DPE11LB4	295.6	11106	49400	26977	120000	1418	643
5.5 HP (4.0 kW)	5.9	1.8	56645	6400	BK80Z-../DPE11LB4	300.6	6744	30000	16861	75000	833	378
5.5 HP (4.0 kW)	5.4	2.6	61955	7000	BK90Z-../DPE11LB4	330.7	11106	49400	26977	120000	1418	643
5.5 HP (4.0 kW)	5.3	1.6	63725	7200	BK80Z-../DPE11LB4	336.7	6744	30000	16861	75000	833	378
5.5 HP (4.0 kW)	4.6	1.4	73461	8300	BK80Z-../DPE11LB4	389.0	6744	30000	16861	75000	833	378
5.5 HP (4.0 kW)	4.6	2.2	73461	8300	BK90Z-../DPE11LB4	389.1	11106	49400	26977	120000	1418	643
5.5 HP (4.0 kW)	4.1	1.25	82312	9300	BK80Z-../DPE11LB4	435.7	6744	30000	16861	75000	833	378
5.5 HP (4.0 kW)	4.1	2.0	82312	9300	BK90Z-../DPE11LB4	435.3	11106	49400	26977	120000	1418	643
5.5 HP (4.0 kW)	3.6	1.1	93818	10600	BK80Z-../DPE11LB4	499.5	6744	30000	16861	75000	833	378

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

BK-series bevel geared motors

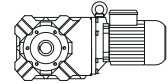
Selection - bevel geared motors

5.5 HP (4.0 kW)



P _N			Output Torque		Type	i	Permissible Overhung Load				Weight	
			lb·f-in	Nm			Standard Bearings		Reinforced Bearings		lb	kg
[kW]	RPM	SF					lb·f	N	lb·f	N		
5.5 HP (4.0 kW)	3.6	1.75	93818	10600	BK90Z-../DPE11LB4	499.2	11106	49400	26977	120000	1418	643
5.5 HP (4.0 kW)	3.2	0.97	105324	11900	BK80Z-../DPE11LB4	559.5	6744	30000	16861	75000	833	378
5.5 HP (4.0 kW)	3.2	1.55	105324	11900	BK90Z-../DPE11LB4	558.5	11106	49400	26977	120000	1418	643
5.5 HP (4.0 kW)	2.9	0.93	109749	12400	BK80G40-../DPE11LB4	607.8	6744	30000	16861	75000	851	386
5.5 HP (4.0 kW)	2.8	1.35	120370	13600	BK90Z-../DPE11LB4	637.7	11106	49400	26977	120000	1418	643
5.5 HP (4.0 kW)	2.6	0.83	122140	13800	BK80G40-../DPE11LB4	680.9	6744	30000	16861	75000	851	386
5.5 HP (4.0 kW)	2.5	1.2	134531	15200	BK90Z-../DPE11LB4	713.5	11106	49400	26977	120000	1418	643
5.5 HP (4.0 kW)	2.2	1.15	141612	16000	BK90G50-../DPE11LB4	821.0	11106	49400	26977	120000	1455	660
5.5 HP (4.0 kW)	2.0	1.05	158428	17900	BK90G50-../DPE11LB4	882.3	11106	49400	26977	120000	1455	660
5.5 HP (4.0 kW)	1.8	0.93	175245	19800	BK90G50-../DPE11LB4	1008	11106	49400	26977	120000	1455	660
5.5 HP (4.0 kW)	1.6	0.83	197372	22300	BK90G50-../DPE11LB4	1127	11106	49400	26977	120000	1455	660

6 HP (4.5 kW)



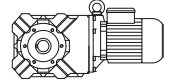
P _N			Output Torque		Type	i	Permissible Overhung Load				Weight	
			lb·f-in	Nm			Standard Bearings		Reinforced Bearings		lb	kg
[kW]	RPM	SF					lb·f	N	lb·f	N		
6 HP (4.5 kW)	370	1.85	938	106	BK30-../DPE11LB4	4.73	348	1550	1978	8800	168	76
6 HP (4.5 kW)	295	1.6	1186	134	BK30-../DPE11LB4	6.02	380	1690	2158	9600	168	76
6 HP (4.5 kW)	235	1.6	1487	168	BK30-../DPE11LB4	7.45	495	2200	2338	10400	168	76
6 HP (4.5 kW)	235	2.9	1487	168	BK40-../DPE11LB4	7.49	169	750	2360	10500	225	102
6 HP (4.5 kW)	188	2.3	1859	210	BK40-../DPE11LB4	9.31	234	1040	2518	11200	225	102
6 HP (4.5 kW)	182	1.5	1903	215	BK30-../DPE11LB4	9.63	708	3150	2585	11500	168	76
6 HP (4.5 kW)	157	2.9	2168	245	BK40-../DPE11LB4	11.17	922	4100	2945	13100	225	102
6 HP (4.5 kW)	154	1.65	2213	250	BK30-../DPE11LB4	11.39	933	4150	2473	11000	168	76
6 HP (4.5 kW)	148	1.85	2345	265	BK40-../DPE11LB4	11.86	398	1770	2743	12200	225	102
6 HP (4.5 kW)	147	1.2	2345	265	BK30-../DPE11LB4	11.93	821	3650	2698	12000	168	76
6 HP (4.5 kW)	126	1.05	2744	310	BK30-../DPE11LB4	13.98	910	4050	2698	12000	168	76
6 HP (4.5 kW)	121	1.45	2788	315	BK30-../DPE11LB4	14.50	1102	4900	2698	12000	168	76
6 HP (4.5 kW)	121	2.5	2788	315	BK40-../DPE11LB4	14.50	1012	4500	3215	14300	225	102
6 HP (4.5 kW)	116	3.2	2921	330	BK50-../DPE11LB4	15.19	1416	6300	4047	18000	291	132
6 HP (4.5 kW)	98	1.15	3452	390	BK30-../DPE11LB4	17.95	1191	5300	2698	12000	168	76
6 HP (4.5 kW)	98	1.85	3496	395	BK50-../DPE11LB4	17.92	1034	4600	3777	16800	291	132
6 HP (4.5 kW)	97	1.95	3496	395	BK40-../DPE11LB4	18.05	1102	4900	3440	15300	225	102
6 HP (4.5 kW)	91	2.5	3762	425	BK50-../DPE11LB4	19.33	1551	6900	4316	19200	291	132
6 HP (4.5 kW)	78	1.6	4381	495	BK40-../DPE11LB4	22.44	1236	5500	3709	16500	225	102
6 HP (4.5 kW)	76	0.9	4425	500	BK30-../DPE11LB4	23.20	1326	5900	2698	12000	168	76
6 HP (4.5 kW)	67	1.85	5045	570	BK50-../DPE11LB4	26.51	1754	7800	4766	21200	291	132
6 HP (4.5 kW)	62	1.25	5487	620	BK40-../DPE11LB4	28.59	1416	6300	3822	17000	225	102
6 HP (4.5 kW)	52	2.8	7258	820	BK60-../DPE11LB4	33.78	1461	6500	5665	25200	313	142
6 HP (4.5 kW)	51	1.05	6638	750	BK40-../DPE11LB4	34.61	1551	6900	3822	17000	225	102
6 HP (4.5 kW)	50	1.35	6815	770	BK50-../DPE11LB4	35.21	1956	8700	5193	23100	291	132
6 HP (4.5 kW)	46.5	2.5	8143	920	BK60-../DPE11LB4	37.80	1641	7300	5957	26500	313	142
6 HP (4.5 kW)	43	0.88	7877	890	BK40-../DPE11LB4	40.88	1709	7600	3822	17000	225	102
6 HP (4.5 kW)	39	2.1	9736	1100	BK60-../DPE11LB4	45.05	1843	8200	6362	28300	313	142
6 HP (4.5 kW)	37	1.0	9116	1030	BK50-../DPE11LB4	47.50	2271	10100	5778	25700	291	132
6 HP (4.5 kW)	35	1.9	10798	1220	BK60-../DPE11LB4	50.40	2046	9100	6699	29800	313	142
6 HP (4.5 kW)	30	1.6	12657	1430	BK60-../DPE11LB4	58.95	2226	9900	7081	31500	313	142
6 HP (4.5 kW)	29	0.81	11506	1300	BK50-../DPE11LB4	60.76	2563	11400	5845	26000	291	132
6 HP (4.5 kW)	27	1.45	14073	1590	BK60-../DPE11LB4	65.95	2450	10900	7419	33000	313	142
6 HP (4.5 kW)	25	3.0	15135	1710	BK70-../DPE11LB4	70.23	2810	12500	10071	44800	487	221
6 HP (4.5 kW)	22.5	1.2	16905	1910	BK60-../DPE11LB4	78.13	2675	11900	7644	34000	313	142
6 HP (4.5 kW)	22	2.7	17259	1950	BK70-../DPE11LB4	79.89	3215	14300	10701	47600	487	221

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

BK-series bevel geared motors

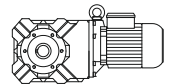
Selection - bevel geared motors

6 HP (4.5 kW)



P _N			Output Torque		Type	i	Permissible Overhung Load				Weight	
			lb·in	Nm			Standard Bearings		Reinforced Bearings		lb	kg
[kW]	RPM	SF					lb·f	N	lb·f	N		
6 HP (4.5 kW)	20.5	1.1	18144	2050	BK60-../DPE11LB4	87.41	2900	12900	7644	34000	313	142
6 HP (4.5 kW)	19.5	2.4	19472	2200	BK70-../DPE11LB4	90.96	3440	15300	11218	49900	487	221
6 HP (4.5 kW)	17.5	0.94	21684	2450	BK60-../DPE11LB4	101.2	3125	13900	7644	34000	313	142
6 HP (4.5 kW)	17	2.1	22127	2500	BK70-../DPE11LB4	103.5	3867	17200	11240	50000	487	221
6 HP (4.5 kW)	15.5	0.84	24340	2750	BK60-../DPE11LB4	113.2	3372	15000	7644	34000	313	142
6 HP (4.5 kW)	15	1.8	25225	2850	BK70-../DPE11LB4	120.2	4181	18600	11240	50000	487	221
6 HP (4.5 kW)	13.5	3.3	27880	3150	BK80-../DPE11LB4	131.6	5598	24900	16861	75000	741	336
6 HP (4.5 kW)	13	1.6	29207	3300	BK70-../DPE11LB4	136.7	4654	20700	11240	50000	487	221
6 HP (4.5 kW)	11.5	1.4	32748	3700	BK70-../DPE11LB4	154.4	4923	21900	11240	50000	487	221
6 HP (4.5 kW)	11.5	2.8	32748	3700	BK80-../DPE11LB4	153.1	6115	27200	16861	75000	741	336
6 HP (4.5 kW)	10.5	2.6	35846	4050	BK80-../DPE11LB4	171.5	6744	30000	16861	75000	741	336
6 HP (4.5 kW)	10	1.2	37616	4250	BK70-../DPE11LB4	175.7	5418	24100	11240	50000	487	221
6 HP (4.5 kW)	9.9	2.7	38058	4300	BK80Z-../DPE11LB4	177.6	6744	30000	16861	75000	833	378
6 HP (4.5 kW)	9.2	1.1	41156	4650	BK70Z-../DPE11LB4	190.4	5418	24100	11240	50000	545	247
6 HP (4.5 kW)	8.8	2.4	42926	4850	BK80Z-../DPE11LB4	198.9	6744	30000	16861	75000	833	378
6 HP (4.5 kW)	7.8	0.95	48679	5500	BK70Z-../DPE11LB4	226.2	5418	24100	11240	50000	545	247
6 HP (4.5 kW)	7.8	2.1	48679	5500	BK80Z-../DPE11LB4	226.1	6744	30000	16861	75000	833	378
6 HP (4.5 kW)	7.5	3.2	50449	5700	BK90Z-../DPE11LB4	234.6	11106	49400	26977	120000	1418	643
6 HP (4.5 kW)	7.0	1.9	53990	6100	BK80Z-../DPE11LB4	253.3	6744	30000	16861	75000	833	378
6 HP (4.5 kW)	6.9	0.84	54875	6200	BK70Z-../DPE11LB4	257.3	5418	24100	11240	50000	545	247
6 HP (4.5 kW)	6.7	2.9	56645	6400	BK90Z-../DPE11LB4	262.5	11106	49400	26977	120000	1418	643
6 HP (4.5 kW)	6.0	2.6	62840	7100	BK90Z-../DPE11LB4	295.6	11106	49400	26977	120000	1418	643
6 HP (4.5 kW)	5.9	1.6	63725	7200	BK80Z-../DPE11LB4	300.6	6744	30000	16861	75000	833	378
6 HP (4.5 kW)	5.3	2.3	71691	8100	BK90Z-../DPE11LB4	330.7	11106	49400	26977	120000	1418	643
6 HP (4.5 kW)	5.2	1.4	72576	8200	BK80Z-../DPE11LB4	336.7	6744	30000	16861	75000	833	378
6 HP (4.5 kW)	4.5	1.2	84082	9500	BK80Z-../DPE11LB4	389.0	6744	30000	16861	75000	833	378
6 HP (4.5 kW)	4.5	1.95	84082	9500	BK90Z-../DPE11LB4	389.1	11106	49400	26977	120000	1418	643
6 HP (4.5 kW)	4.1	1.1	92048	10400	BK80Z-../DPE11LB4	435.7	6744	30000	16861	75000	833	378
6 HP (4.5 kW)	4.1	1.8	92048	10400	BK90Z-../DPE11LB4	435.3	11106	49400	26977	120000	1418	643
6 HP (4.5 kW)	3.6	0.97	105324	11900	BK80Z-../DPE11LB4	499.5	6744	30000	16861	75000	833	378
6 HP (4.5 kW)	3.6	1.55	105324	11900	BK90Z-../DPE11LB4	499.2	11106	49400	26977	120000	1418	643
6 HP (4.5 kW)	3.2	0.86	118600	13400	BK80Z-../DPE11LB4	559.5	6744	30000	16861	75000	833	378
6 HP (4.5 kW)	3.2	1.4	118600	13400	BK90Z-../DPE11LB4	558.5	11106	49400	26977	120000	1418	643
6 HP (4.5 kW)	2.9	0.82	123910	14000	BK80G40-../DPE11LB4	607.8	6744	30000	16861	75000	851	386
6 HP (4.5 kW)	2.8	1.2	135416	15300	BK90Z-../DPE11LB4	637.7	11106	49400	26977	120000	1418	643
6 HP (4.5 kW)	2.5	1.1	151348	17100	BK90Z-../DPE11LB4	713.5	11106	49400	26977	120000	1418	643
6 HP (4.5 kW)	2.2	1.0	161084	18200	BK90G50-../DPE11LB4	821.0	11106	49400	26977	120000	1455	660
6 HP (4.5 kW)	2.0	0.91	179670	20300	BK90G50-../DPE11LB4	882.3	11106	49400	26977	120000	1455	660
6 HP (4.5 kW)	1.8	0.82	199142	22500	BK90G50-../DPE11LB4	1008	11106	49400	26977	120000	1455	660

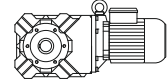
7.5 HP (5.5 kW)



P _N			Output Torque		Type	i	Permissible Overhung Load				Weight	
			lb·in	Nm			Standard Bearings		Reinforced Bearings		lb	kg
[kW]	RPM	SF					lb·f	N	lb·f	N		
7.5 HP (5.5 kW)	485	7.3	876	99	BK50-../DPE13XA4	3.67	26	115	2113	9400	324	147
7.5 HP (5.5 kW)	340	5.7	1257	142	BK50-../DPE13XA4	5.26	29	130	2405	10700	324	147
7.5 HP (5.5 kW)	245	4.1	1744	197	BK50-../DPE13XA4	7.29	139	620	24954	111000	324	147
7.5 HP (5.5 kW)	182	3.7	2257	255	BK50-../DPE13XA4	9.73	1214	5400	3462	15400	324	147
7.5 HP (5.5 kW)	177	3.0	2390	270	BK50-../DPE13XA4	10.00	274	1220	2967	13200	324	147
7.5 HP (5.5 kW)	127	2.8	3275	370	BK50-../DPE13XA4	13.95	1371	6100	3912	17400	324	147
7.5 HP (5.5 kW)	117	2.6	3540	400	BK50-../DPE13XA4	15.19	1416	6300	4047	18000	324	147
7.5 HP (5.5 kW)	99	1.5	4248	480	BK50-../DPE13XA4	17.92	1034	4600	3777	16800	324	147

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

7.5 HP (5.5 kW)



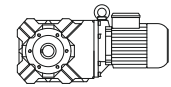
P _N			Output Torque		Type	i	Permissible Overhung Load				Weight	
			lbf-in	Nm			Standard Bearings		Reinforced Bearings		lb	kg
[kW]	RPM	SF					lb.f	N	lb.f	N		
7.5 HP (5.5 kW)	92	2.1	4514	510	BK50-../DPE13XA4	19.33	1551	6900	4316	19200	324	147
7.5 HP (5.5 kW)	73	3.2	6284	710	BK60-../DPE13XA4	24.45	1090	4850	4946	22000	351	159
7.5 HP (5.5 kW)	67	1.5	6196	700	BK50-../DPE13XA4	26.51	1754	7800	4766	21200	324	147
7.5 HP (5.5 kW)	65	2.9	7081	800	BK60-../DPE13XA4	27.36	1259	5600	5216	23200	351	159
7.5 HP (5.5 kW)	53	2.3	8762	990	BK60-../DPE13XA4	33.78	1461	6500	5665	25200	351	159
7.5 HP (5.5 kW)	51	1.15	8143	920	BK50-../DPE13XA4	35.21	1956	8700	5193	23100	324	147
7.5 HP (5.5 kW)	47	2.1	9824	1110	BK60-../DPE13XA4	37.80	1641	7300	5957	26500	351	159
7.5 HP (5.5 kW)	39.5	1.75	11683	1320	BK60-../DPE13XA4	45.05	1843	8200	6362	28300	351	159
7.5 HP (5.5 kW)	37.5	0.85	10975	1240	BK50-../DPE13XA4	47.50	2271	10100	5778	25700	324	147
7.5 HP (5.5 kW)	35.5	1.55	13011	1470	BK60-../DPE13XA4	50.40	2046	9100	6699	29800	351	159
7.5 HP (5.5 kW)	33	3.3	14073	1590	BK70-../DPE13XA4	54.15	2226	9900	9037	40200	525	238
7.5 HP (5.5 kW)	30.5	1.35	15223	1720	BK60-../DPE13XA4	58.95	2226	9900	7081	31500	351	159
7.5 HP (5.5 kW)	29	2.9	16020	1810	BK70-../DPE13XA4	61.60	2585	11500	9622	42800	525	238
7.5 HP (5.5 kW)	27	1.2	17170	1940	BK60-../DPE13XA4	65.95	2450	10900	7419	33000	351	159
7.5 HP (5.5 kW)	25.5	2.5	18144	2050	BK70-../DPE13XA4	70.23	2810	12500	10071	44800	525	238
7.5 HP (5.5 kW)	23	1.0	19914	2250	BK60-../DPE13XA4	78.13	2675	11900	7644	34000	351	159
7.5 HP (5.5 kW)	22.5	2.3	20357	2300	BK70-../DPE13XA4	79.89	3215	14300	10701	47600	525	238
7.5 HP (5.5 kW)	20.5	0.9	22569	2550	BK60-../DPE13XA4	87.41	2900	12900	7644	34000	351	159
7.5 HP (5.5 kW)	19.5	1.95	23454	2650	BK70-../DPE13XA4	90.96	3440	15300	11218	49900	525	238
7.5 HP (5.5 kW)	17.5	1.75	26552	3000	BK70-../DPE13XA4	103.5	3867	17200	11240	50000	525	238
7.5 HP (5.5 kW)	15.5	3.1	29650	3350	BK80-../DPE13XA4	117.5	5013	22300	16861	75000	776	352
7.5 HP (5.5 kW)	15	1.5	30978	3500	BK60-../DPE13XA4	120.2	4181	18600	11240	50000	525	238
7.5 HP (5.5 kW)	13.5	2.7	34075	3850	BK80-../DPE13XA4	131.6	5598	24900	16861	75000	776	352
7.5 HP (5.5 kW)	13	1.3	35403	4000	BK70-../DPE13XA4	136.7	4654	20700	11240	50000	525	238
7.5 HP (5.5 kW)	12	2.4	38501	4350	BK80-../DPE13XA4	153.1	6115	27200	16861	75000	776	352
7.5 HP (5.5 kW)	11.5	1.15	40271	4550	BK70-../DPE13XA4	154.4	4923	21900	11240	50000	525	238
7.5 HP (5.5 kW)	10.5	1.05	44254	5000	BK70-../DPE13XA4	175.7	5418	24100	11240	50000	525	238
7.5 HP (5.5 kW)	10.5	2.1	44254	5000	BK80-../DPE13XA4	171.5	6744	30000	16861	75000	776	352
7.5 HP (5.5 kW)	10	2.2	46024	5200	BK80Z-../DPE13XA4	177.6	6744	30000	16861	75000	871	395
7.5 HP (5.5 kW)	9.3	0.93	49564	5600	BK70Z-../DPE13XA4	190.4	5418	24100	11240	50000	580	263
7.5 HP (5.5 kW)	9.1	3.2	50449	5700	BK90Z-../DPE13XA4	195.4	11106	49400	26977	120000	1455	660
7.5 HP (5.5 kW)	8.9	1.95	52219	5900	BK80Z-../DPE13XA4	198.9	6744	30000	16861	75000	871	395
7.5 HP (5.5 kW)	7.9	1.75	58415	6600	BK80Z-../DPE13XA4	226.1	6744	30000	16861	75000	871	395
7.5 HP (5.5 kW)	7.6	2.7	61070	6900	BK90Z-../DPE13XA4	234.6	11106	49400	26977	120000	1455	660
7.5 HP (5.5 kW)	7.0	1.55	66381	7500	BK80Z-../DPE13XA4	253.3	6744	30000	16861	75000	871	395
7.5 HP (5.5 kW)	6.8	2.4	68151	7700	BK90Z-../DPE13XA4	262.5	11106	49400	26977	120000	1455	660
7.5 HP (5.5 kW)	6.0	2.1	77001	8700	BK90Z-../DPE13XA4	295.6	11106	49400	26977	120000	1455	660
7.5 HP (5.5 kW)	5.9	1.3	78772	8900	BK80Z-../DPE13XA4	300.6	6744	30000	16861	75000	871	395
7.5 HP (5.5 kW)	5.4	1.9	85852	9700	BK90Z-../DPE13XA4	330.7	11106	49400	26977	120000	1455	660
7.5 HP (5.5 kW)	5.3	1.15	87622	9900	BK80Z-../DPE13XA4	336.7	6744	30000	16861	75000	871	395
7.5 HP (5.5 kW)	4.6	1.0	100899	11400	BK80Z-../DPE13XA4	389.0	6744	30000	16861	75000	871	395
7.5 HP (5.5 kW)	4.6	1.6	100899	11400	BK90Z-../DPE13XA4	389.1	11106	49400	26977	120000	1455	660
7.5 HP (5.5 kW)	4.1	0.9	113290	12800	BK80Z-../DPE13XA4	435.7	6744	30000	16861	75000	871	395
7.5 HP (5.5 kW)	4.1	1.45	113290	12800	BK90Z-../DPE13XA4	435.3	11106	49400	26977	120000	1455	660
7.5 HP (5.5 kW)	3.6	1.3	128336	14500	BK90Z-../DPE13XA4	499.2	11106	49400	26977	120000	1455	660
7.5 HP (5.5 kW)	3.2	1.15	145152	16400	BK90Z-../DPE13XA4	558.5	11106	49400	26977	120000	1455	660
7.5 HP (5.5 kW)	2.8	0.99	165509	18700	BK90Z-../DPE13XA4	637.7	11106	49400	26977	120000	1455	660
7.5 HP (5.5 kW)	2.5	0.88	185866	21000	BK90Z-../DPE13XA4	713.5	11106	49400	26977	120000	1455	660
7.5 HP (5.5 kW)	2.2	0.82	199142	22500	BK90G50-../DPE13XA4	821.0	11106	49400	26977	120000	1490	676

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

BK-series bevel geared motors

Selection - bevel geared motors

10 HP (7.5 kW)



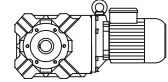
P _N			Output Torque		Type	i	Permissible Overhung Load				Weight	
			lbf-in	Nm			Standard Bearings		Reinforced Bearings		lb	kg
[kW]	RPM	SF					lb.f	N	lb.f	N		
10 HP (7.5 kW)	485	5.3	1195	135	BK50-../DPE13XA4	3.67	26	115	2113	9400	324	147
10 HP (7.5 kW)	340	4.2	1708	193	BK50-../DPE13XA4	5.26	29	130	2405	10700	324	147
10 HP (7.5 kW)	245	3.1	2345	265	BK50-../DPE13XA4	7.29	139	620	24954	111000	324	147
10 HP (7.5 kW)	182	2.7	3098	350	BK50-../DPE13XA4	9.73	1214	5400	3462	15400	324	147
10 HP (7.5 kW)	177	2.2	3275	370	BK50-../DPE13XA4	10.00	274	1220	2967	13200	324	147
10 HP (7.5 kW)	127	2.1	4425	500	BK50-../DPE13XA4	13.95	1371	6100	3912	17400	324	147
10 HP (7.5 kW)	123	3.3	5133	580	BK60-../DPE13XA4	14.41	821	3650	4181	18600	351	159
10 HP (7.5 kW)	117	1.9	4868	550	BK50-../DPE13XA4	15.19	1416	6300	4047	18000	324	147
10 HP (7.5 kW)	110	3.0	5753	650	BK60-../DPE13XA4	16.05	910	4050	4226	18800	351	159
10 HP (7.5 kW)	99	1.1	5753	650	BK50-../DPE13XA4	17.92	1034	4600	3777	16800	324	147
10 HP (7.5 kW)	97	3.0	6461	730	BK60-../DPE13XA4	18.36	899	4000	4474	19900	351	159
10 HP (7.5 kW)	92	1.5	6196	700	BK50-../DPE13XA4	19.33	1551	6900	4316	19200	324	147
10 HP (7.5 kW)	86	2.7	7346	830	BK60-../DPE13XA4	20.54	989	4400	4631	20600	351	159
10 HP (7.5 kW)	73	2.3	8674	980	BK60-../DPE13XA4	24.45	1090	4850	4946	22000	351	159
10 HP (7.5 kW)	67	1.1	8497	960	BK50-../DPE13XA4	26.51	1754	7800	4766	21200	324	147
10 HP (7.5 kW)	65	2.1	9736	1100	BK60-../DPE13XA4	27.36	1259	5600	5216	23200	351	159
10 HP (7.5 kW)	53	1.7	11949	1350	BK60-../DPE13XA4	33.78	1461	6500	5665	25200	351	159
10 HP (7.5 kW)	51	0.83	11152	1260	BK50-../DPE13XA4	35.21	1956	8700	5193	23100	324	147
10 HP (7.5 kW)	47	1.5	13453	1520	BK60-../DPE13XA4	37.80	1641	7300	5957	26500	351	159
10 HP (7.5 kW)	44.5	3.0	14161	1600	BK70-../DPE13XA4	40.08	1866	8300	8161	36300	525	238
10 HP (7.5 kW)	39.5	1.25	16020	1810	BK60-../DPE13XA4	45.05	1843	8200	6362	28300	351	159
10 HP (7.5 kW)	39	2.8	16197	1830	BK70-../DPE13XA4	45.59	2023	9000	8520	37900	525	238
10 HP (7.5 kW)	35.5	1.15	17701	2000	BK60-../DPE13XA4	50.40	2046	9100	6699	29800	351	159
10 HP (7.5 kW)	33	2.4	19029	2150	BK70-../DPE13XA4	54.15	2226	9900	9037	40200	525	238
10 HP (7.5 kW)	30	0.98	20799	2350	BK60-../DPE13XA4	58.95	2226	9900	7081	31500	351	159
10 HP (7.5 kW)	29	2.1	21684	2450	BK70-../DPE13XA4	61.60	2585	11500	9622	42800	525	238
10 HP (7.5 kW)	27	0.87	23454	2650	BK60-../DPE13XA4	65.95	2450	10900	7419	33000	351	159
10 HP (7.5 kW)	25.5	1.85	24782	2800	BK70-../DPE13XA4	70.23	2810	12500	10071	44800	525	238
10 HP (7.5 kW)	22.5	1.65	27880	3150	BK70-../DPE13XA4	79.89	3215	14300	10701	47600	525	238
10 HP (7.5 kW)	22.5	3.2	27880	3150	BK80-../DPE13XA4	79.22	3957	17600	16029	71300	776	352
10 HP (7.5 kW)	19.5	1.4	32305	3650	BK70-../DPE13XA4	90.96	3440	15300	11218	49900	525	238
10 HP (7.5 kW)	19.5	2.8	32305	3650	BK80-../DPE13XA4	91.53	4114	18300	16681	74200	776	352
10 HP (7.5 kW)	17.5	1.3	35846	4050	BK70-../DPE13XA4	103.5	3867	17200	11240	50000	525	238
10 HP (7.5 kW)	17.5	2.6	35846	4050	BK80-../DPE13XA4	102.5	4609	20500	16861	75000	776	352
10 HP (7.5 kW)	15.5	2.3	40713	4600	BK80-../DPE13XA4	117.5	5013	22300	16861	75000	776	352
10 HP (7.5 kW)	15	1.1	42041	4750	BK70-../DPE13XA4	120.2	4181	18600	11240	50000	525	238
10 HP (7.5 kW)	13.5	2.0	46909	5300	BK80-../DPE13XA4	131.6	5598	24900	16861	75000	776	352
10 HP (7.5 kW)	13.5	3.2	46909	5300	BK90-../DPE13XA4	130.9	9599	42700	26842	119400	1332	604
10 HP (7.5 kW)	13	0.95	48679	5500	BK70-../DPE13XA4	136.7	4654	20700	11240	50000	525	238
10 HP (7.5 kW)	12	1.8	52219	5900	BK80-../DPE13XA4	153.1	6115	27200	16861	75000	776	352
10 HP (7.5 kW)	12	2.8	52219	5900	BK90-../DPE13XA4	149.5	10251	45600	26977	120000	1332	604
10 HP (7.5 kW)	11.5	0.84	54875	6200	BK70-../DPE13XA4	154.4	4923	21900	11240	50000	525	238
10 HP (7.5 kW)	11	2.6	57530	6500	BK90-../DPE13XA4	167.2	11106	49400	26977	120000	1332	604
10 HP (7.5 kW)	10.5	1.55	60185	6800	BK80-../DPE13XA4	171.5	6744	30000	16861	75000	776	352
10 HP (7.5 kW)	10.5	2.7	60185	6800	BK90Z-../DPE13XA4	174.7	11106	49400	26977	120000	1455	660
10 HP (7.5 kW)	10	1.6	62840	7100	BK80Z-../DPE13XA4	177.6	6744	30000	16861	75000	871	395
10 HP (7.5 kW)	9.1	2.4	69036	7800	BK90Z-../DPE13XA4	195.4	11106	49400	26977	120000	1455	660
10 HP (7.5 kW)	8.9	1.45	70806	8000	BK80Z-../DPE13XA4	198.9	6744	30000	16861	75000	871	395
10 HP (7.5 kW)	7.9	1.3	79657	9000	BK80Z-../DPE13XA4	226.1	6744	30000	16861	75000	871	395
10 HP (7.5 kW)	7.6	1.95	83197	9400	BK90Z-../DPE13XA4	234.6	11106	49400	26977	120000	1455	660
10 HP (7.5 kW)	7.0	1.15	90278	10200	BK80Z-../DPE13XA4	253.3	6744	30000	16861	75000	871	395
10 HP (7.5 kW)	6.8	1.75	92933	10500	BK90Z-../DPE13XA4	262.5	11106	49400	26977	120000	1455	660
10 HP (7.5 kW)	6.0	1.55	105324	11900	BK90Z-../DPE13XA4	295.6	11106	49400	26977	120000	1455	660
10 HP (7.5 kW)	5.9	0.95	107094	12100	BK80Z-../DPE13XA4	300.6	6744	30000	16861	75000	871	395
10 HP (7.5 kW)	5.4	1.4	116830	13200	BK90Z-../DPE13XA4	330.7	11106	49400	26977	120000	1455	660
10 HP (7.5 kW)	5.3	0.85	119485	13500	BK80Z-../DPE13XA4	336.7	6744	30000	16861	75000	871	395
10 HP (7.5 kW)	4.6	1.2	137187	15500	BK90Z-../DPE13XA4	389.1	11106	49400	26977	120000	1455	660
10 HP (7.5 kW)	4.1	1.05	154003	17400	BK90Z-../DPE13XA4	435.3	11106	49400	26977	120000	1455	660

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

BK-series bevel geared motors

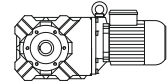
Selection - bevel geared motors

10 HP (7.5 kW)



P _N			Output Torque		Type	i	Permissible Overhung Load				Weight	
			lb·f-in	Nm			Standard Bearings		Reinforced Bearings		lb	kg
[kW]	RPM	SF					lb·f	N	lb·f	N		
10 HP (7.5 kW)	3.6	0.93	175245	19800	BK90Z-../DPE13XA4	499.2	11106	49400	26977	120000	1455	660
10 HP (7.5 kW)	3.2	0.83	197372	22300	BK90Z-../DPE13XA4	558.5	11106	49400	26977	120000	1455	660

12.75 HP (9.5 kW)



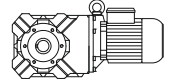
P _N			Output Torque		Type	i	Permissible Overhung Load				Weight	
			lb·f-in	Nm			Standard Bearings		Reinforced Bearings		lb	kg
[kW]	RPM	SF					lb·f	N	lb·f	N		
12.75 HP (9.5 kW)	490	4.2	1505	170	BK50-../DPE16LB4	3.67	26	115	2113	9400	403	183
12.75 HP (9.5 kW)	340	3.3	2168	245	BK50-../DPE16LB4	5.26	29	130	2405	10700	403	183
12.75 HP (9.5 kW)	245	2.4	3009	340	BK50-../DPE16LB4	7.29	139	620	24954	111000	403	183
12.75 HP (9.5 kW)	183	2.1	3939	445	BK50-../DPE16LB4	9.73	1214	5400	3462	15400	403	183
12.75 HP (9.5 kW)	178	1.75	4116	465	BK50-../DPE16LB4	10.00	274	1220	2967	13200	403	183
12.75 HP (9.5 kW)	165	3.1	4779	540	BK60-../DPE16LB4	10.82	719	3200	3822	17000	430	195
12.75 HP (9.5 kW)	144	3.0	5576	630	BK60-../DPE16LB4	12.38	787	3500	3912	17400	430	195
12.75 HP (9.5 kW)	129	2.8	6196	700	BK60-../DPE16LB4	13.85	866	3850	4047	18000	430	195
12.75 HP (9.5 kW)	128	1.65	5576	630	BK50-../DPE16LB4	13.95	1371	6100	3912	17400	403	183
12.75 HP (9.5 kW)	124	2.6	6461	730	BK60-../DPE16LB4	14.41	821	3650	4181	18600	430	195
12.75 HP (9.5 kW)	118	1.5	6107	690	BK50-../DPE16LB4	15.19	1416	6300	4047	18000	403	183
12.75 HP (9.5 kW)	111	2.4	7169	810	BK60-../DPE16LB4	16.05	910	4050	4226	18800	430	195
12.75 HP (9.5 kW)	100	0.88	7258	820	BK50-../DPE16LB4	17.92	1034	4600	3777	16800	403	183
12.75 HP (9.5 kW)	97	2.3	8231	930	BK60-../DPE16LB4	18.36	899	4000	4474	19900	430	195
12.75 HP (9.5 kW)	93	1.2	7700	870	BK50-../DPE16LB4	19.33	1551	6900	4316	19200	403	183
12.75 HP (9.5 kW)	87	2.2	9205	1040	BK60-../DPE16LB4	20.54	989	4400	4631	20600	430	195
12.75 HP (9.5 kW)	73	1.85	10975	1240	BK60-../DPE16LB4	24.45	1090	4850	4946	22000	430	195
12.75 HP (9.5 kW)	68	0.88	10621	1200	BK50-../DPE16LB4	26.51	1754	7800	4766	21200	403	183
12.75 HP (9.5 kW)	66	1.7	12126	1370	BK60-../DPE16LB4	27.36	1259	5600	5216	23200	430	195
12.75 HP (9.5 kW)	58	2.9	13807	1560	BK70-../DPE16LB4	30.90	1686	7500	7554	33600	613	278
12.75 HP (9.5 kW)	53	1.35	15135	1710	BK60-../DPE16LB4	33.78	1461	6500	5665	25200	430	195
12.75 HP (9.5 kW)	51	2.7	15666	1770	BK70-../DPE16LB4	35.15	1798	8000	7868	35000	613	278
12.75 HP (9.5 kW)	47.5	1.2	16905	1910	BK60-../DPE16LB4	37.80	1641	7300	5957	26500	430	195
12.75 HP (9.5 kW)	44.5	2.4	17701	2000	BK70-../DPE16LB4	40.08	1866	8300	8161	36300	613	278
12.75 HP (9.5 kW)	40	1.0	19914	2250	BK60-../DPE16LB4	45.05	1843	8200	6362	28300	430	195
12.75 HP (9.5 kW)	39.5	2.3	19914	2250	BK70-../DPE16LB4	45.59	2023	9000	8520	37900	613	278
12.75 HP (9.5 kW)	35.5	0.9	22569	2550	BK60-../DPE16LB4	50.40	2046	9100	6699	29800	430	195
12.75 HP (9.5 kW)	33.5	3.3	23897	2700	BK80-../DPE16LB4	53.21	3327	14800	14185	63100	855	388
12.75 HP (9.5 kW)	33	1.95	23897	2700	BK70-../DPE16LB4	54.15	2226	9900	9037	40200	613	278
12.75 HP (9.5 kW)	30	3.1	26552	3000	BK80-../DPE16LB4	59.60	3530	15700	14725	65500	855	388
12.75 HP (9.5 kW)	29	1.7	27437	3100	BK70-../DPE16LB4	61.60	2585	11500	9622	42800	613	278
12.75 HP (9.5 kW)	25.5	1.45	31420	3550	BK70-../DPE16LB4	70.23	2810	12500	10071	44800	613	278
12.75 HP (9.5 kW)	25.5	2.7	31420	3550	BK80-../DPE16LB4	70.72	3732	16600	15444	68700	855	388
12.75 HP (9.5 kW)	22.5	1.3	35403	4000	BK70-../DPE16LB4	79.89	3215	14300	10701	47600	613	278
12.75 HP (9.5 kW)	22.5	2.5	35403	4000	BK80-../DPE16LB4	79.22	3957	17600	16029	71300	855	388
12.75 HP (9.5 kW)	20	1.15	39828	4500	BK70-../DPE16LB4	90.96	3440	15300	11218	49900	613	278
12.75 HP (9.5 kW)	19.5	2.2	41156	4650	BK80-../DPE16LB4	91.53	4114	18300	16681	74200	855	388
12.75 HP (9.5 kW)	17.5	1.0	45139	5100	BK70-../DPE16LB4	103.5	3867	17200	11240	50000	613	278
12.75 HP (9.5 kW)	17.5	2.1	45139	5100	BK80-../DPE16LB4	102.5	4609	20500	16861	75000	855	388
12.75 HP (9.5 kW)	17.5	3.3	45139	5100	BK90-../DPE16LB4	102.0	8228	36600	24055	107000	1413	641
12.75 HP (9.5 kW)	15.5	1.8	51334	5800	BK80-../DPE16LB4	117.5	5013	22300	16861	75000	855	388
12.75 HP (9.5 kW)	15.5	2.9	51334	5800	BK90-../DPE16LB4	117.0	8813	39200	25403	113000	1413	641
12.75 HP (9.5 kW)	15	0.87	53104	6000	BK70-../DPE16LB4	120.2	4181	18600	11240	50000	613	278
12.75 HP (9.5 kW)	14	1.65	56645	6400	BK80-../DPE16LB4	131.6	5598	24900	16861	75000	855	388
12.75 HP (9.5 kW)	14	2.6	56645	6400	BK90-../DPE16LB4	130.9	9599	42700	26842	119400	1413	641

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

BK-series bevel geared motors

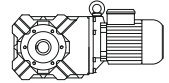
Selection - bevel geared motors

12.75 HP (9.5 kW)



P _N			Output Torque		Type	i	Permissible Overhung Load				Weight	
			lb·ft-in	Nm			Standard Bearings		Reinforced Bearings		lb	kg
[kW]	RPM	SF					lb·f	N	lb·f	N		
12.75 HP (9.5 kW)	12	1.4	66381	7500	BK80-../DPE16LB4	153.1	6115	27200	16861	75000	855	388
12.75 HP (9.5 kW)	12	2.2	66381	7500	BK90-../DPE16LB4	149.5	10251	45600	26977	120000	1413	641
12.75 HP (9.5 kW)	11	2.0	72576	8200	BK90-../DPE16LB4	167.2	11106	49400	26977	120000	1413	641
12.75 HP (9.5 kW)	10.5	1.2	76116	8600	BK80-../DPE16LB4	171.5	6744	30000	16861	75000	855	388
12.75 HP (9.5 kW)	10.5	2.2	76116	8600	BK90Z-../DPE16LB4	174.7	11106	49400	26977	120000	1543	700
12.75 HP (9.5 kW)	9.2	1.9	86737	9800	BK90Z-../DPE16LB4	195.4	11106	49400	26977	120000	1543	700
12.75 HP (9.5 kW)	9.0	1.15	88507	10000	BK80Z-../DPE16LB4	198.9	6744	30000	16861	75000	950	431
12.75 HP (9.5 kW)	7.9	1.0	100899	11400	BK80Z-../DPE16LB4	226.1	6744	30000	16861	75000	950	431
12.75 HP (9.5 kW)	7.6	1.55	105324	11900	BK90Z-../DPE16LB4	234.6	11106	49400	26977	120000	1543	700
12.75 HP (9.5 kW)	7.1	0.91	112404	12700	BK80Z-../DPE16LB4	253.3	6744	30000	16861	75000	950	431
12.75 HP (9.5 kW)	6.8	1.4	117715	13300	BK90Z-../DPE16LB4	262.5	11106	49400	26977	120000	1543	700
12.75 HP (9.5 kW)	6.1	1.25	130991	14800	BK90Z-../DPE16LB4	295.6	11106	49400	26977	120000	1543	700
12.75 HP (9.5 kW)	5.4	1.1	148693	16800	BK90Z-../DPE16LB4	330.7	11106	49400	26977	120000	1543	700
12.75 HP (9.5 kW)	4.6	0.94	174360	19700	BK90Z-../DPE16LB4	389.1	11106	49400	26977	120000	1543	700
12.75 HP (9.5 kW)	4.1	0.84	195601	22100	BK90Z-../DPE16LB4	435.3	11106	49400	26977	120000	1543	700

15 HP (11 kW)



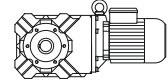
P _N			Output Torque		Type	i	Permissible Overhung Load				Weight	
			lb·ft-in	Nm			Standard Bearings		Reinforced Bearings		lb	kg
[kW]	RPM	SF					lb·f	N	lb·f	N		
15 HP (11 kW)	490	3.6	1744	197	BK50-../DPE16LB4	3.67	26	115	2113	9400	403	183
15 HP (11 kW)	340	2.9	2478	280	BK50-../DPE16LB4	5.26	29	130	2405	10700	403	183
15 HP (11 kW)	245	2.1	3452	390	BK50-../DPE16LB4	7.29	139	620	24954	111000	403	183
15 HP (11 kW)	183	1.85	4514	510	BK50-../DPE16LB4	9.73	1214	5400	3462	15400	403	183
15 HP (11 kW)	178	1.5	4779	540	BK50-../DPE16LB4	10.00	274	1220	2967	13200	403	183
15 HP (11 kW)	165	2.7	5576	630	BK60-../DPE16LB4	10.82	719	3200	3822	17000	430	195
15 HP (11 kW)	144	2.6	6373	720	BK60-../DPE16LB4	12.38	787	3500	3912	17400	430	195
15 HP (11 kW)	129	2.4	7169	810	BK60-../DPE16LB4	13.85	866	3850	4047	18000	430	195
15 HP (11 kW)	128	1.45	6461	730	BK50-../DPE16LB4	13.95	1371	6100	3912	17400	403	183
15 HP (11 kW)	124	2.3	7435	840	BK60-../DPE16LB4	14.41	821	3650	4181	18600	430	195
15 HP (11 kW)	118	1.3	7081	800	BK50-../DPE16LB4	15.19	1416	6300	4047	18000	403	183
15 HP (11 kW)	111	2.1	8320	940	BK60-../DPE16LB4	16.05	910	4050	4226	18800	430	195
15 HP (11 kW)	97	2.0	9559	1080	BK60-../DPE16LB4	18.36	899	4000	4474	19900	430	195
15 HP (11 kW)	93	1.05	8939	1010	BK50-../DPE16LB4	19.33	1551	6900	4316	19200	403	183
15 HP (11 kW)	87	1.9	10621	1200	BK60-../DPE16LB4	20.54	989	4400	4631	20600	430	195
15 HP (11 kW)	82	3.2	11329	1280	BK70-../DPE16LB4	21.88	1461	6500	6789	30200	613	278
15 HP (11 kW)	73	1.6	12657	1430	BK60-../DPE16LB4	24.45	1090	4850	4946	22000	430	195
15 HP (11 kW)	72	2.9	12834	1450	BK70-../DPE16LB4	24.89	1574	7000	7081	31500	613	278
15 HP (11 kW)	66	1.45	14073	1590	BK60-../DPE16LB4	27.36	1259	5600	5216	23200	430	195
15 HP (11 kW)	58	2.5	16020	1810	BK70-../DPE16LB4	30.90	1686	7500	7554	33600	613	278
15 HP (11 kW)	53	1.15	17524	1980	BK60-../DPE16LB4	33.78	1461	6500	5665	25200	430	195
15 HP (11 kW)	51	2.3	18144	2050	BK70-../DPE16LB4	35.15	1798	8000	7868	35000	613	278
15 HP (11 kW)	47.5	1.05	19472	2200	BK60-../DPE16LB4	37.80	1641	7300	5957	26500	430	195
15 HP (11 kW)	44.5	2.1	20799	2350	BK70-../DPE16LB4	40.08	1866	8300	8161	36300	613	278
15 HP (11 kW)	40	0.88	23012	2600	BK60-../DPE16LB4	45.05	1843	8200	6362	28300	430	195
15 HP (11 kW)	39.5	1.95	23454	2650	BK70-../DPE16LB4	45.59	2023	9000	8520	37900	613	278
15 HP (11 kW)	38.5	3.2	23897	2700	BK80-../DPE16LB4	46.80	3215	14300	13691	60900	855	388
15 HP (11 kW)	33.5	2.9	27437	3100	BK80-../DPE16LB4	53.21	3327	14800	14185	63100	855	388
15 HP (11 kW)	33	1.65	27880	3150	BK70-../DPE16LB4	54.15	2226	9900	9037	40200	613	278
15 HP (11 kW)	30	2.6	30978	3500	BK80-../DPE16LB4	59.60	3530	15700	14725	65500	855	388
15 HP (11 kW)	29	1.45	31863	3600	BK70-../DPE16LB4	61.60	2585	11500	9622	42800	613	278
15 HP (11 kW)	25.5	1.25	36288	4100	BK70-../DPE16LB4	70.23	2810	12500	10071	44800	613	278

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

BK-series bevel geared motors

Selection - bevel geared motors

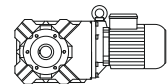
15 HP (11 kW)



P _N			Output Torque		Type	i	Permissible Overhung Load				Weight	
			lb·f-in	Nm			Standard Bearings		Reinforced Bearings		lb	kg
[kW]	RPM	SF					lb·f	N	lb·f	N		
15 HP (11 kW)	25.5	2.3	36288	4100	BK80-../DPE16LB4	70.72	3732	16600	15444	68700	855	388
15 HP (11 kW)	22.5	1.1	41156	4650	BK70-../DPE16LB4	79.89	3215	14300	10701	47600	613	278
15 HP (11 kW)	22.5	2.2	41156	4650	BK80-../DPE16LB4	79.22	3957	17600	16029	71300	855	388
15 HP (11 kW)	20	1.0	46024	5200	BK70-../DPE16LB4	90.96	3440	15300	11218	49900	613	278
15 HP (11 kW)	20	3.2	46024	5200	BK90-../DPE16LB4	91.19	7486	33300	22706	101000	1413	641
15 HP (11 kW)	19.5	1.95	46909	5300	BK80-../DPE16LB4	91.53	4114	18300	16681	74200	855	388
15 HP (11 kW)	17.5	0.87	53104	6000	BK70-../DPE16LB4	103.5	3867	17200	11240	50000	613	278
15 HP (11 kW)	17.5	1.75	53104	6000	BK80-../DPE16LB4	102.5	4609	20500	16861	75000	855	388
15 HP (11 kW)	17.5	2.8	53104	6000	BK90-../DPE16LB4	102.0	8228	36600	24055	107000	1413	641
15 HP (11 kW)	15.5	1.55	59300	6700	BK80-../DPE16LB4	117.5	5013	22300	16861	75000	855	388
15 HP (11 kW)	15.5	2.5	59300	6700	BK90-../DPE16LB4	117.0	8813	39200	25403	113000	1413	641
15 HP (11 kW)	14	1.4	66381	7500	BK80-../DPE16LB4	131.6	5598	24900	16861	75000	855	388
15 HP (11 kW)	14	2.2	66381	7500	BK90-../DPE16LB4	130.9	9599	42700	26842	119400	1413	641
15 HP (11 kW)	12	1.2	77001	8700	BK80-../DPE16LB4	153.1	6115	27200	16861	75000	855	388
15 HP (11 kW)	12	1.95	77001	8700	BK90-../DPE16LB4	149.5	10251	45600	26977	120000	1413	641
15 HP (11 kW)	11	1.75	84082	9500	BK90-../DPE16LB4	167.2	11106	49400	26977	120000	1413	641
15 HP (11 kW)	10.5	1.05	88507	10000	BK80-../DPE16LB4	171.5	6744	30000	16861	75000	855	388
15 HP (11 kW)	10.5	1.85	88507	10000	BK90Z-../DPE16LB4	174.7	11106	49400	26977	120000	1543	700
15 HP (11 kW)	9.2	1.6	100899	11400	BK90Z-../DPE16LB4	195.4	11106	49400	26977	120000	1543	700
15 HP (11 kW)	9.0	0.99	102669	11600	BK80Z-../DPE16LB4	198.9	6744	30000	16861	75000	950	431
15 HP (11 kW)	7.9	0.87	116830	13200	BK80Z-../DPE16LB4	226.1	6744	30000	16861	75000	950	431
15 HP (11 kW)	7.6	1.35	122140	13800	BK90Z-../DPE16LB4	234.6	11106	49400	26977	120000	1543	700
15 HP (11 kW)	6.8	1.2	136301	15400	BK90Z-../DPE16LB4	262.5	11106	49400	26977	120000	1543	700
15 HP (11 kW)	6.1	1.1	152233	17200	BK90Z-../DPE16LB4	295.6	11106	49400	26977	120000	1543	700
15 HP (11 kW)	5.4	0.95	171704	19400	BK90Z-../DPE16LB4	330.7	11106	49400	26977	120000	1543	700
15 HP (11 kW)	4.6	0.81	201797	22800	BK90Z-../DPE16LB4	389.1	11106	49400	26977	120000	1543	700

8

16.8 HP (12.5 kW)



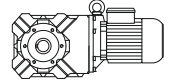
P _N			Output Torque		Type	i	Permissible Overhung Load				Weight	
			lb·f-in	Nm			Standard Bearings		Reinforced Bearings		lb	kg
[kW]	RPM	SF					lb·f	N	lb·f	N		
16.8 HP (12.5 kW)	485	3.2	1991	225	BK50-../DPE16LB4	3.67	26	115	2113	9400	403	183
16.8 HP (12.5 kW)	340	2.5	2832	320	BK50-../DPE16LB4	5.26	29	130	2405	10700	403	183
16.8 HP (12.5 kW)	245	1.8	3939	445	BK50-../DPE16LB4	7.29	139	620	24954	111000	403	183
16.8 HP (12.5 kW)	245	3.0	4293	485	BK60-../DPE16LB4	7.29	629	2800	3350	14900	430	195
16.8 HP (12.5 kW)	182	1.6	5222	590	BK50-../DPE16LB4	9.73	1214	5400	3462	15400	403	183
16.8 HP (12.5 kW)	177	1.3	5487	620	BK50-../DPE16LB4	10.00	274	1220	2967	13200	403	183
16.8 HP (12.5 kW)	164	2.3	6373	720	BK60-../DPE16LB4	10.82	719	3200	3822	17000	430	195
16.8 HP (12.5 kW)	143	2.3	7346	830	BK60-../DPE16LB4	12.38	787	3500	3912	17400	430	195
16.8 HP (12.5 kW)	128	2.1	8231	930	BK60-../DPE16LB4	13.85	866	3850	4047	18000	430	195
16.8 HP (12.5 kW)	127	1.25	7435	840	BK50-../DPE16LB4	13.95	1371	6100	3912	17400	403	183
16.8 HP (12.5 kW)	123	2.0	8585	970	BK60-../DPE16LB4	14.41	821	3650	4181	18600	430	195
16.8 HP (12.5 kW)	117	1.15	8054	910	BK50-../DPE16LB4	15.19	1416	6300	4047	18000	403	183
16.8 HP (12.5 kW)	117	3.0	9028	1020	BK70-../DPE16LB4	15.16	1259	5600	5800	25800	613	278
16.8 HP (12.5 kW)	111	1.85	9470	1070	BK60-../DPE16LB4	16.05	910	4050	4226	18800	430	195
16.8 HP (12.5 kW)	103	3.0	10178	1150	BK70-../DPE16LB4	17.24	1461	6500	6564	29200	613	278
16.8 HP (12.5 kW)	97	1.75	10886	1230	BK60-../DPE16LB4	18.36	899	4000	4474	19900	430	195
16.8 HP (12.5 kW)	92	0.91	10267	1160	BK50-../DPE16LB4	19.33	1551	6900	4316	19200	403	183
16.8 HP (12.5 kW)	87	1.65	12126	1370	BK60-../DPE16LB4	20.54	989	4400	4631	20600	430	195
16.8 HP (12.5 kW)	81	2.8	13011	1470	BK70-../DPE16LB4	21.88	1461	6500	6789	30200	613	278
16.8 HP (12.5 kW)	73	1.4	14427	1630	BK60-../DPE16LB4	24.45	1090	4850	4946	22000	430	195
16.8 HP (12.5 kW)	72	2.6	14604	1650	BK70-../DPE16LB4	24.89	1574	7000	7081	31500	613	278

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

BK-series bevel geared motors

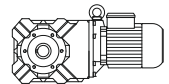
Selection - bevel geared motors

16.8 HP (12.5 kW)



P _N			Output Torque		Type	i	Permissible Overhung Load				Weight	
			lb·in	Nm			Standard Bearings		Reinforced Bearings		lb	kg
[kW]	RPM	SF					lb·f	N	lb·f	N		
16.8 HP (12.5 kW)	65	1.25	16197	1830	BK60-../DPE16LB4	27.36	1259	5600	5216	23200	430	195
16.8 HP (12.5 kW)	58	2.2	18144	2050	BK70-../DPE16LB4	30.90	1686	7500	7554	33600	613	278
16.8 HP (12.5 kW)	53	1.0	19914	2250	BK60-../DPE16LB4	33.78	1461	6500	5665	25200	430	195
16.8 HP (12.5 kW)	51	2.1	20357	2300	BK70-../DPE16LB4	35.15	1798	8000	7868	35000	613	278
16.8 HP (12.5 kW)	47	0.92	22127	2500	BK60-../DPE16LB4	37.80	1641	7300	5957	26500	430	195
16.8 HP (12.5 kW)	44.5	1.85	23454	2650	BK70-../DPE16LB4	40.08	1866	8300	8161	36300	613	278
16.8 HP (12.5 kW)	42.5	2.9	24782	2800	BK80-../DPE16LB4	41.78	3035	13500	13196	58700	855	388
16.8 HP (12.5 kW)	39	1.7	26995	3050	BK70-../DPE16LB4	45.59	2023	9000	8520	37900	613	278
16.8 HP (12.5 kW)	38	2.8	27437	3100	BK80-../DPE16LB4	46.80	3215	14300	13691	60900	855	388
16.8 HP (12.5 kW)	33.5	2.5	31420	3550	BK80-../DPE16LB4	53.21	3327	14800	14185	63100	855	388
16.8 HP (12.5 kW)	33	1.45	31863	3600	BK70-../DPE16LB4	54.15	2226	9900	9037	40200	613	278
16.8 HP (12.5 kW)	30	2.3	34960	3950	BK80-../DPE16LB4	59.60	3530	15700	14725	65500	855	388
16.8 HP (12.5 kW)	29	1.25	36288	4100	BK70-../DPE16LB4	61.60	2585	11500	9622	42800	613	278
16.8 HP (12.5 kW)	25.5	1.1	41156	4650	BK70-../DPE16LB4	70.23	2810	12500	10071	44800	613	278
16.8 HP (12.5 kW)	25.5	2.1	41156	4650	BK80-../DPE16LB4	70.72	3732	16600	15444	68700	855	388
16.8 HP (12.5 kW)	23	3.3	45139	5100	BK90-../DPE16LB4	77.51	6812	30300	21222	94400	1413	641
16.8 HP (12.5 kW)	22.5	0.98	46909	5300	BK70-../DPE16LB4	79.89	3215	14300	10701	47600	613	278
16.8 HP (12.5 kW)	22.5	1.9	46909	5300	BK80-../DPE16LB4	79.22	3957	17600	16029	71300	855	388
16.8 HP (12.5 kW)	19.5	0.85	53990	6100	BK70-../DPE16LB4	90.96	3440	15300	11218	49900	613	278
16.8 HP (12.5 kW)	19.5	1.7	53990	6100	BK80-../DPE16LB4	91.53	4114	18300	16681	74200	855	388
16.8 HP (12.5 kW)	19.5	2.8	53990	6100	BK90-../DPE16LB4	91.19	7486	33300	22706	101000	1413	641
16.8 HP (12.5 kW)	17.5	1.55	60185	6800	BK80-../DPE16LB4	102.5	4609	20500	16861	75000	855	388
16.8 HP (12.5 kW)	17.5	2.5	60185	6800	BK90-../DPE16LB4	102.0	8228	36600	24055	107000	1413	641
16.8 HP (12.5 kW)	15.5	1.35	68151	7700	BK80-../DPE16LB4	117.5	5013	22300	16861	75000	855	388
16.8 HP (12.5 kW)	15.5	2.2	68151	7700	BK90-../DPE16LB4	117.0	8813	39200	25403	113000	1413	641
16.8 HP (12.5 kW)	14	2.0	75231	8500	BK90-../DPE16LB4	130.9	9599	42700	26842	119400	1413	641
16.8 HP (12.5 kW)	13.5	1.2	77887	8800	BK80-../DPE16LB4	131.6	5598	24900	16861	75000	855	388
16.8 HP (12.5 kW)	12	1.05	87622	9900	BK80-../DPE16LB4	153.1	6115	27200	16861	75000	855	388
16.8 HP (12.5 kW)	12	1.7	87622	9900	BK90-../DPE16LB4	149.5	10251	45600	26977	120000	1413	641
16.8 HP (12.5 kW)	11	1.55	95588	10800	BK90-../DPE16LB4	167.2	11106	49400	26977	120000	1413	641
16.8 HP (12.5 kW)	10.5	0.93	100013	11300	BK80-../DPE16LB4	171.5	6744	30000	16861	75000	855	388
16.8 HP (12.5 kW)	10.5	1.65	100013	11300	BK90Z-../DPE16LB4	174.7	11106	49400	26977	120000	1543	700
16.8 HP (12.5 kW)	10	0.97	105324	11900	BK80Z-../DPE16LB4	177.6	6744	30000	16861	75000	950	431
16.8 HP (12.5 kW)	9.1	1.4	115945	13100	BK90Z-../DPE16LB4	195.4	11106	49400	26977	120000	1543	700
16.8 HP (12.5 kW)	8.9	0.86	118600	13400	BK80Z-../DPE16LB4	198.9	6744	30000	16861	75000	950	431
16.8 HP (12.5 kW)	7.6	1.2	138957	15700	BK90Z-../DPE16LB4	234.6	11106	49400	26977	120000	1543	700
16.8 HP (12.5 kW)	6.8	1.05	154888	17500	BK90Z-../DPE16LB4	262.5	11106	49400	26977	120000	1543	700
16.8 HP (12.5 kW)	6.0	0.93	175245	19800	BK90Z-../DPE16LB4	295.6	11106	49400	26977	120000	1543	700
16.8 HP (12.5 kW)	5.4	0.84	195601	22100	BK90Z-../DPE16LB4	330.7	11106	49400	26977	120000	1543	700

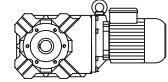
20 HP (15 kW)



P _N			Output Torque		Type	i	Permissible Overhung Load				Weight	
			lb·in	Nm			Standard Bearings		Reinforced Bearings		lb	kg
[kW]	RPM	SF					lb·f	N	lb·f	N		
20 HP (15 kW)	490	2.7	2345	265	BK50-../DPE16XB4	3.67	26	115	2113	9400	425	193
20 HP (15 kW)	340	2.1	3408	385	BK50-../DPE16XB4	5.26	29	130	2405	10700	425	193
20 HP (15 kW)	245	1.55	4691	530	BK50-../DPE16XB4	7.29	139	620	24954	111000	425	193
20 HP (15 kW)	245	2.5	5133	580	BK60-../DPE16XB4	7.29	629	2800	3350	14900	452	205
20 HP (15 kW)	183	1.35	6196	700	BK50-../DPE16XB4	9.73	1214	5400	3462	15400	425	193
20 HP (15 kW)	178	1.1	6550	740	BK50-../DPE16XB4	10.00	274	1220	2967	13200	425	193
20 HP (15 kW)	165	1.95	7612	860	BK60-../DPE16XB4	10.82	719	3200	3822	17000	452	205
20 HP (15 kW)	144	1.9	8762	990	BK60-../DPE16XB4	12.38	787	3500	3912	17400	452	205

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

20 HP (15 kW)



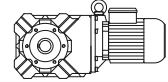
P _N			Output Torque		Type	i	Permissible Overhung Load				Weight	
			lb·f-in	Nm			Standard Bearings		Reinforced Bearings		lb	kg
[kW]	RPM	SF					lb·f	N	lb·f	N		
20 HP (15 kW)	130	2.8	9736	1100	BK70-../DPE16XB4	13.70	1214	5400	5575	24800	635	288
20 HP (15 kW)	129	1.8	9824	1110	BK60-../DPE16XB4	13.85	866	3850	4047	18000	452	205
20 HP (15 kW)	128	1.05	8851	1000	BK50-../DPE16XB4	13.95	1371	6100	3912	17400	425	193
20 HP (15 kW)	124	1.7	10178	1150	BK60-../DPE16XB4	14.41	821	3650	4181	18600	452	205
20 HP (15 kW)	118	0.96	9647	1090	BK50-../DPE16XB4	15.19	1416	6300	4047	18000	425	193
20 HP (15 kW)	118	2.5	10709	1210	BK70-../DPE16XB4	15.16	1259	5600	5800	25800	635	288
20 HP (15 kW)	111	1.55	11417	1290	BK60-../DPE16XB4	16.05	910	4050	4226	18800	452	205
20 HP (15 kW)	104	2.6	12126	1370	BK70-../DPE16XB4	17.24	1461	6500	6564	29200	635	288
20 HP (15 kW)	97	1.5	13011	1470	BK60-../DPE16XB4	18.36	899	4000	4474	19900	452	205
20 HP (15 kW)	87	1.35	14515	1640	BK60-../DPE16XB4	20.54	989	4400	4631	20600	452	205
20 HP (15 kW)	82	2.3	15400	1740	BK70-../DPE16XB4	21.88	1461	6500	6789	30200	635	288
20 HP (15 kW)	73	1.15	17347	1960	BK60-../DPE16XB4	24.45	1090	4850	4946	22000	452	205
20 HP (15 kW)	72	2.2	17524	1980	BK70-../DPE16XB4	24.89	1574	7000	7081	31500	635	288
20 HP (15 kW)	66	1.05	19029	2150	BK60-../DPE16XB4	27.36	1259	5600	5216	23200	452	205
20 HP (15 kW)	59	3.1	21242	2400	BK80-../DPE16XB4	30.56	2675	11900	12005	53400	877	398
20 HP (15 kW)	58	1.85	21684	2450	BK70-../DPE16XB4	30.90	1686	7500	7554	33600	635	288
20 HP (15 kW)	53	0.85	23897	2700	BK60-../DPE16XB4	33.78	1461	6500	5665	25200	452	205
20 HP (15 kW)	53	2.9	23897	2700	BK80-../DPE16XB4	34.22	2833	12600	12454	55400	877	398
20 HP (15 kW)	51	1.7	24782	2800	BK70-../DPE16XB4	35.15	1798	8000	7868	35000	635	288
20 HP (15 kW)	44.5	1.5	28322	3200	BK70-../DPE16XB4	40.08	1866	8300	8161	36300	635	288
20 HP (15 kW)	43	2.5	29207	3300	BK80-../DPE16XB4	41.78	3035	13500	13196	58700	877	398
20 HP (15 kW)	39.5	1.4	31863	3600	BK70-../DPE16XB4	45.59	2023	9000	8520	37900	635	288
20 HP (15 kW)	38.5	2.3	32748	3700	BK80-../DPE16XB4	46.80	3215	14300	13691	60900	877	398
20 HP (15 kW)	33.5	2.1	37616	4250	BK80-../DPE16XB4	53.21	3327	14800	14185	63100	877	398
20 HP (15 kW)	33	1.2	38058	4300	BK70-../DPE16XB4	54.15	2226	9900	9037	40200	635	288
20 HP (15 kW)	30	1.95	42041	4750	BK80-../DPE16XB4	59.60	3530	15700	14725	65500	877	398
20 HP (15 kW)	29	1.05	43369	4900	BK70-../DPE16XB4	61.60	2585	11500	9622	42800	635	288
20 HP (15 kW)	26	3.1	48679	5500	BK80-../DPE16XB4	69.27	6115	27200	19986	88900	1435	651
20 HP (15 kW)	25.5	0.93	49564	5600	BK70-../DPE16XB4	70.23	2810	12500	10071	44800	635	288
20 HP (15 kW)	25.5	1.7	49564	5600	BK80-../DPE16XB4	70.72	3732	16600	15444	68700	877	398
20 HP (15 kW)	23	2.7	54875	6200	BK90-../DPE16XB4	77.51	6812	30300	21222	94400	1435	651
20 HP (15 kW)	22.5	0.83	55760	6300	BK70-../DPE16XB4	79.89	3215	14300	10701	47600	635	288
20 HP (15 kW)	22.5	1.6	55760	6300	BK80-../DPE16XB4	79.22	3957	17600	16029	71300	877	398
20 HP (15 kW)	20	2.4	62840	7100	BK90-../DPE16XB4	91.19	7486	33300	22706	101000	1435	651
20 HP (15 kW)	19.5	1.4	64610	7300	BK80-../DPE16XB4	91.53	4114	18300	16681	74200	877	398
20 HP (15 kW)	17.5	1.3	71691	8100	BK80-../DPE16XB4	102.5	4609	20500	16861	75000	877	398
20 HP (15 kW)	17.5	2.1	71691	8100	BK90-../DPE16XB4	102.0	8228	36600	24055	107000	1435	651
20 HP (15 kW)	15.5	1.15	81427	9200	BK80-../DPE16XB4	117.5	5013	22300	16861	75000	877	398
20 HP (15 kW)	15.5	1.85	81427	9200	BK90-../DPE16XB4	117.0	8813	39200	25403	113000	1435	651
20 HP (15 kW)	14	1.05	90278	10200	BK80-../DPE16XB4	131.6	5598	24900	16861	75000	877	398
20 HP (15 kW)	14	1.65	90278	10200	BK90-../DPE16XB4	130.9	9599	42700	26842	119400	1435	651
20 HP (15 kW)	12	0.88	105324	11900	BK80-../DPE16XB4	153.1	6115	27200	16861	75000	877	398
20 HP (15 kW)	12	1.4	105324	11900	BK90-../DPE16XB4	149.5	10251	45600	26977	120000	1435	651
20 HP (15 kW)	11	1.3	115060	13000	BK90-../DPE16XB4	167.2	11106	49400	26977	120000	1435	651
20 HP (15 kW)	10.5	0.85	120370	13600	BK80Z-../DPE16XB4	177.6	6744	30000	16861	75000	972	441
20 HP (15 kW)	10.5	1.35	120370	13600	BK90Z-../DPE16XB4	174.7	11106	49400	26977	120000	1565	710
20 HP (15 kW)	9.2	1.2	137187	15500	BK90Z-../DPE16XB4	195.4	11106	49400	26977	120000	1565	710
20 HP (15 kW)	7.6	0.98	166394	18800	BK90Z-../DPE16XB4	234.6	11106	49400	26977	120000	1565	710
20 HP (15 kW)	6.8	0.88	185866	21000	BK90Z-../DPE16XB4	262.5	11106	49400	26977	120000	1565	710

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

BK-series bevel geared motors

Selection - bevel geared motors

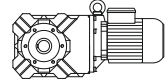
25 HP (18.5 kW)



P _N			Output Torque		Type	i	Permissible Overhung Load				Weight	
			lbf-in	Nm			Standard Bearings		Reinforced Bearings		lb	kg
[kW]	RPM	SF					lb.f	N	lb.f	N		
25 HP (18.5 kW)	490	2.2	2921	330	BK50-../DPE18LB4	3.67	26	115	2113	9400	540	245
25 HP (18.5 kW)	340	1.7	4204	475	BK50-../DPE18LB4	5.26	29	130	2405	10700	540	245
25 HP (18.5 kW)	245	1.25	5841	660	BK50-../DPE18LB4	7.29	139	620	24954	111000	540	245
25 HP (18.5 kW)	245	2.0	6373	720	BK60-../DPE18LB4	7.29	629	2800	3350	14900	556	252
25 HP (18.5 kW)	178	0.89	8054	910	BK50-../DPE18LB4	10.00	274	1220	2967	13200	540	245
25 HP (18.5 kW)	165	1.55	9470	1070	BK60-../DPE18LB4	10.82	719	3200	3822	17000	556	252
25 HP (18.5 kW)	128	0.85	10975	1240	BK50-../DPE18LB4	13.95	1371	6100	3912	17400	540	245
25 HP (18.5 kW)	125	3.0	12480	1410	BK80-../DPE18LB4	14.34	1776	7900	8138	36200	977	443
25 HP (18.5 kW)	124	1.35	12568	1420	BK60-../DPE18LB4	14.41	821	3650	4181	18600	556	252
25 HP (18.5 kW)	118	2.0	13188	1490	BK70-../DPE18LB4	15.16	1259	5600	5800	25800	725	329
25 HP (18.5 kW)	113	3.1	13807	1560	BK80-../DPE18LB4	15.88	1888	8400	8678	38600	977	443
25 HP (18.5 kW)	104	2.1	14958	1690	BK70-../DPE18LB4	17.24	1461	6500	6564	29200	725	329
25 HP (18.5 kW)	101	3.0	15400	1740	BK80-../DPE18LB4	17.79	2113	9400	9464	42100	977	443
25 HP (18.5 kW)	97	1.2	16108	1820	BK60-../DPE18LB4	18.36	899	4000	4474	19900	556	252
25 HP (18.5 kW)	92	3.0	16993	1920	BK80-../DPE18LB4	19.35	2136	9500	9892	44000	977	443
25 HP (18.5 kW)	87	1.15	17701	2000	BK60-../DPE18LB4	20.54	989	4400	4631	20600	556	252
25 HP (18.5 kW)	82	1.9	19029	2150	BK70-../DPE18LB4	21.88	1461	6500	6789	30200	725	329
25 HP (18.5 kW)	81	3.2	19029	2150	BK80-../DPE18LB4	22.19	2360	10500	10903	48500	977	443
25 HP (18.5 kW)	73	0.96	21242	2400	BK60-../DPE18LB4	24.45	1090	4850	4946	22000	556	252
25 HP (18.5 kW)	72	1.75	21684	2450	BK70-../DPE18LB4	24.89	1574	7000	7081	31500	725	329
25 HP (18.5 kW)	72	2.9	21684	2450	BK80-../DPE18LB4	24.85	2518	11200	11330	50400	977	443
25 HP (18.5 kW)	66	0.87	23454	2650	BK60-../DPE18LB4	27.36	1259	5600	5216	23200	556	252
25 HP (18.5 kW)	59	2.5	26110	2950	BK80-../DPE18LB4	30.56	2675	11900	12005	53400	977	443
25 HP (18.5 kW)	58	1.5	26552	3000	BK70-../DPE18LB4	30.90	1686	7500	7554	33600	725	329
25 HP (18.5 kW)	53	2.4	29207	3300	BK80-../DPE18LB4	34.22	2833	12600	12454	55400	977	443
25 HP (18.5 kW)	51	1.35	30535	3450	BK70-../DPE18LB4	35.15	1798	8000	7868	35000	725	329
25 HP (18.5 kW)	44.5	1.25	34960	3950	BK70-../DPE18LB4	40.08	1866	8300	8161	36300	725	329
25 HP (18.5 kW)	43	2.0	36288	4100	BK80-../DPE18LB4	41.78	3035	13500	13196	58700	977	443
25 HP (18.5 kW)	39.5	1.15	39386	4450	BK70-../DPE18LB4	45.59	2023	9000	8520	37900	725	329
25 HP (18.5 kW)	38.5	1.9	40271	4550	BK80-../DPE18LB4	46.80	3215	14300	13691	60900	977	443
25 HP (18.5 kW)	33.5	1.7	46024	5200	BK80-../DPE18LB4	53.21	3327	14800	14185	63100	977	443
25 HP (18.5 kW)	33	0.98	46909	5300	BK70-../DPE18LB4	54.15	2226	9900	9037	40200	725	329
25 HP (18.5 kW)	32.5	3.0	47794	5400	BK90-../DPE18LB4	54.98	5395	24000	18210	81000	1539	698
25 HP (18.5 kW)	30	1.6	51334	5800	BK80-../DPE18LB4	59.60	3530	15700	14725	65500	977	443
25 HP (18.5 kW)	29	0.87	53104	6000	BK70-../DPE18LB4	61.60	2585	11500	9622	42800	725	329
25 HP (18.5 kW)	29	2.8	53104	6000	BK90-../DPE18LB4	61.52	5733	25500	19019	84600	1539	698
25 HP (18.5 kW)	26	2.5	59300	6700	BK90-../DPE18LB4	69.27	6115	27200	19986	88900	1539	698
25 HP (18.5 kW)	25.5	1.4	61070	6900	BK80-../DPE18LB4	70.72	3732	16600	15444	68700	977	443
25 HP (18.5 kW)	23	2.2	67266	7600	BK90-../DPE18LB4	77.51	6812	30300	21222	94400	1539	698
25 HP (18.5 kW)	22.5	1.3	69036	7800	BK80-../DPE18LB4	79.22	3957	17600	16029	71300	977	443
25 HP (18.5 kW)	20	1.9	77887	8800	BK90-../DPE18LB4	91.19	7486	33300	22706	101000	1539	698
25 HP (18.5 kW)	19.5	1.15	79657	9000	BK80-../DPE18LB4	91.53	4114	18300	16681	74200	977	443
25 HP (18.5 kW)	17.5	1.05	88507	10000	BK80-../DPE18LB4	102.5	4609	20500	16861	75000	977	443
25 HP (18.5 kW)	17.5	1.7	88507	10000	BK90-../DPE18LB4	102.0	8228	36600	24055	107000	1539	698
25 HP (18.5 kW)	15.5	0.93	100013	11300	BK80-../DPE18LB4	117.5	5013	22300	16861	75000	977	443
25 HP (18.5 kW)	15.5	1.5	100013	11300	BK90-../DPE18LB4	117.0	8813	39200	25403	113000	1539	698
25 HP (18.5 kW)	14	0.83	111519	12600	BK80-../DPE18LB4	131.6	5598	24900	16861	75000	977	443
25 HP (18.5 kW)	14	1.35	111519	12600	BK90-../DPE18LB4	130.9	9599	42700	26842	119400	1539	698
25 HP (18.5 kW)	12	1.15	130106	14700	BK90-../DPE18LB4	149.5	10251	45600	26977	120000	1539	698
25 HP (18.5 kW)	11	1.05	141612	16000	BK90-../DPE18LB4	167.2	11106	49400	26977	120000	1539	698
25 HP (18.5 kW)	10.5	1.1	148693	16800	BK90Z-../DPE18LB4	174.7	11106	49400	26977	120000	1656	751
25 HP (18.5 kW)	9.2	0.96	169934	19200	BK90Z-../DPE18LB4	195.4	11106	49400	26977	120000	1656	751
25 HP (18.5 kW)	7.6	0.8	205337	23200	BK90Z-../DPE18LB4	234.6	11106	49400	26977	120000	1656	751

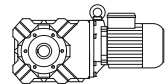
The torques marked (*) are maximum permissible torques for service factor f_B=1.0.

30 HP (22 kW)



P _N			Output Torque		Type	i	Permissible Overhung Load				Weight	
			lbf-in	Nm			Standard Bearings		Reinforced Bearings		lb	kg
[kW]	RPM	SF					lb.f	N	lb.f	N		
30 HP (22 kW)	125	2.6	14869	1680	BK80-../DPE18XB4	14.34	1776	7900	8138	36200	1016	461
30 HP (22 kW)	118	1.7	15754	1780	BK70-../DPE18XB4	15.16	1259	5600	5800	25800	765	347
30 HP (22 kW)	113	2.6	16374	1850	BK80-../DPE18XB4	15.88	1888	8400	8678	38600	1016	461
30 HP (22 kW)	104	1.75	17701	2000	BK70-../DPE18XB4	17.24	1461	6500	6564	29200	765	347
30 HP (22 kW)	101	2.6	18144	2050	BK80-../DPE18XB4	17.79	2113	9400	9464	42100	1016	461
30 HP (22 kW)	92	2.6	19914	2250	BK80-../DPE18XB4	19.35	2136	9500	9892	44000	1016	461
30 HP (22 kW)	82	1.6	22569	2550	BK70-../DPE18XB4	21.88	1461	6500	6789	30200	765	347
30 HP (22 kW)	81	2.7	22569	2550	BK80-../DPE18XB4	22.19	2360	10500	10903	48500	1016	461
30 HP (22 kW)	72	1.45	25667	2900	BK70-../DPE18XB4	24.89	1574	7000	7081	31500	765	347
30 HP (22 kW)	72	2.4	25667	2900	BK80-../DPE18XB4	24.85	2518	11200	11330	50400	1016	461
30 HP (22 kW)	59	2.1	31420	3550	BK80-../DPE18XB4	30.56	2675	11900	12005	53400	1016	461
30 HP (22 kW)	58	1.25	31863	3600	BK70-../DPE18XB4	30.90	1686	7500	7554	33600	765	347
30 HP (22 kW)	53	2.0	34960	3950	BK80-../DPE18XB4	34.22	2833	12600	12454	55400	1016	461
30 HP (22 kW)	51	1.15	36288	4100	BK70-../DPE18XB4	35.15	1798	8000	7868	35000	765	347
30 HP (22 kW)	44.5	1.05	41599	4700	BK70-../DPE18XB4	40.08	1866	8300	8161	36300	765	347
30 HP (22 kW)	43.5	3.1	42484	4800	BK90-../DPE18XB4	40.94	4811	21400	16434	73100	1579	716
30 HP (22 kW)	43	1.7	42926	4850	BK80-../DPE18XB4	41.78	3035	13500	13196	58700	1016	461
30 HP (22 kW)	39.5	0.97	46909	5300	BK70-../DPE18XB4	45.59	2023	9000	8520	37900	765	347
30 HP (22 kW)	39	2.9	46909	5300	BK90-../DPE18XB4	45.80	5103	22700	17153	76300	1579	716
30 HP (22 kW)	38.5	1.6	47794	5400	BK80-../DPE18XB4	46.80	3215	14300	13691	60900	1016	461
30 HP (22 kW)	33.5	1.45	54875	6200	BK80-../DPE18XB4	53.21	3327	14800	14185	63100	1016	461
30 HP (22 kW)	33	0.83	55760	6300	BK70-../DPE18XB4	54.15	2226	9900	9037	40200	765	347
30 HP (22 kW)	32.5	2.5	56645	6400	BK90-../DPE18XB4	54.98	5395	24000	18210	81000	1579	716
30 HP (22 kW)	30	1.3	61955	7000	BK80-../DPE18XB4	59.60	3530	15700	14725	65500	1016	461
30 HP (22 kW)	29	2.3	63725	7200	BK90-../DPE18XB4	61.52	5733	25500	19019	84600	1579	716
30 HP (22 kW)	26	2.1	70806	8000	BK90-../DPE18XB4	69.27	6115	27200	19986	88900	1579	716
30 HP (22 kW)	25.5	1.15	72576	8200	BK80-../DPE18XB4	70.72	3732	16600	15444	68700	1016	461
30 HP (22 kW)	23	1.85	80542	9100	BK90-../DPE18XB4	77.51	6812	30300	21222	94400	1579	716
30 HP (22 kW)	22.5	1.1	82312	9300	BK80-../DPE18XB4	79.22	3957	17600	16029	71300	1016	461
30 HP (22 kW)	20	1.6	92933	10500	BK90-../DPE18XB4	91.19	7486	33300	22706	101000	1579	716
30 HP (22 kW)	19.5	0.97	94703	10700	BK80-../DPE18XB4	91.53	4114	18300	16681	74200	1016	461
30 HP (22 kW)	17.5	0.88	106209	12000	BK80-../DPE18XB4	102.5	4609	20500	16861	75000	1016	461
30 HP (22 kW)	17.5	1.4	106209	12000	BK90-../DPE18XB4	102.0	8228	36600	24055	107000	1579	716
30 HP (22 kW)	15.5	1.25	119485	13500	BK90-../DPE18XB4	117.0	8813	39200	25403	113000	1579	716
30 HP (22 kW)	14	1.1	132761	15000	BK90-../DPE18XB4	130.9	9599	42700	26842	119400	1579	716
30 HP (22 kW)	12	0.96	154888	17500	BK90-../DPE18XB4	149.5	10251	45600	26977	120000	1579	716
30 HP (22 kW)	11	0.88	169049	19100	BK90-../DPE18XB4	167.2	11106	49400	26977	120000	1579	716
30 HP (22 kW)	10.5	0.93	177015	20000	BK90Z-../DPE18XB4	174.7	11106	49400	26977	120000	1695	769
30 HP (22 kW)	9.2	0.81	201797	22800	BK90Z-../DPE18XB4	195.4	11106	49400	26977	120000	1695	769

40 HP (30 kW)



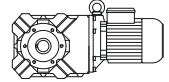
P _N			Output Torque		Type	i	Permissible Overhung Load				Weight	
			lbf-in	Nm			Standard Bearings		Reinforced Bearings		lb	kg
[kW]	RPM	SF					lb.f	N	lb.f	N		
40 HP (30 kW)	125	1.9	19914	2250	BK80-../DPE20XA4	14.34	1776	7900	8138	36200	1354	614
40 HP (30 kW)	118	1.25	21242	2400	BK70-../DPE20XA4	15.16	1259	5600	5800	25800	1107	502
40 HP (30 kW)	113	1.9	22127	2500	BK80-../DPE20XA4	15.88	1888	8400	8678	38600	1354	614
40 HP (30 kW)	104	1.25	24340	2750	BK70-../DPE20XA4	17.24	1461	6500	6564	29200	1107	502
40 HP (30 kW)	101	1.9	24782	2800	BK80-../DPE20XA4	17.79	2113	9400	9464	42100	1354	614
40 HP (30 kW)	93	1.9	26995	3050	BK80-../DPE20XA4	19.35	2136	9500	9892	44000	1354	614
40 HP (30 kW)	82	1.2	30535	3450	BK70-../DPE20XA4	21.88	1461	6500	6789	30200	1107	502
40 HP (30 kW)	81	1.95	30978	3500	BK80-../DPE20XA4	22.19	2360	10500	10903	48500	1354	614

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

BK-series bevel geared motors

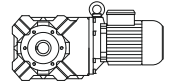
Selection - bevel geared motors

40 HP (30 kW)



P _N			Output Torque		Type	i	Permissible Overhung Load				Weight	
			lb·ft-in	Nm			Standard Bearings		Reinforced Bearings		lb	kg
[kW]	RPM	SF					lb·f	N	lb·f	N		
40 HP (30 kW)	72	1.1	34960	3950	BK70-../DPE20XA4	24.89	1574	7000	7081	31500	1107	502
40 HP (30 kW)	72	1.8	34960	3950	BK80-../DPE20XA4	24.85	2518	11200	11330	50400	1354	614
40 HP (30 kW)	72	3.3	34960	3950	BK90-../DPE20XA4	24.94	4047	18000	13871	61700	1916	869
40 HP (30 kW)	59	1.55	42926	4850	BK80-../DPE20XA4	30.56	2675	11900	12005	53400	1354	614
40 HP (30 kW)	59	2.8	42926	4850	BK90-../DPE20XA4	30.47	4294	19100	14815	65900	1916	869
40 HP (30 kW)	58	0.92	43369	4900	BK70-../DPE20XA4	30.90	1686	7500	7554	33600	1107	502
40 HP (30 kW)	53	1.45	47794	5400	BK80-../DPE20XA4	34.22	2833	12600	12454	55400	1354	614
40 HP (30 kW)	53	2.6	47794	5400	BK90-../DPE20XA4	34.09	4564	20300	15467	68800	1916	869
40 HP (30 kW)	51	0.85	49564	5600	BK70-../DPE20XA4	35.15	1798	8000	7868	35000	1107	502
40 HP (30 kW)	44	2.3	57530	6500	BK90-../DPE20XA4	40.94	4811	21400	16434	73100	1916	869
40 HP (30 kW)	43	1.25	58415	6600	BK80-../DPE20XA4	41.78	3035	13500	13196	58700	1354	614
40 HP (30 kW)	39	2.1	64610	7300	BK90-../DPE20XA4	45.80	5103	22700	17153	76300	1916	869
40 HP (30 kW)	38.5	1.15	65496	7400	BK80-../DPE20XA4	46.80	3215	14300	13691	60900	1354	614
40 HP (30 kW)	34	1.05	74346	8400	BK80-../DPE20XA4	53.21	3327	14800	14185	63100	1354	614
40 HP (30 kW)	32.5	1.85	77887	8800	BK90-../DPE20XA4	54.98	5395	24000	18210	81000	1916	869
40 HP (30 kW)	30	0.97	84082	9500	BK80-../DPE20XA4	59.60	3530	15700	14725	65500	1354	614
40 HP (30 kW)	29.5	1.75	85852	9700	BK90-../DPE20XA4	61.52	5733	25500	19019	84600	1916	869
40 HP (30 kW)	26	1.55	97358	11000	BK90-../DPE20XA4	69.27	6115	27200	19986	88900	1916	869
40 HP (30 kW)	25.5	0.86	99128	11200	BK80-../DPE20XA4	70.72	3732	16600	15444	68700	1354	614
40 HP (30 kW)	23.5	1.4	107094	12100	BK90-../DPE20XA4	77.51	6812	30300	21222	94400	1916	869
40 HP (30 kW)	23	0.81	109749	12400	BK80-../DPE20XA4	79.22	3957	17600	16029	71300	1354	614
40 HP (30 kW)	20	1.15	126566	14300	BK90-../DPE20XA4	91.19	7486	33300	22706	101000	1916	869
40 HP (30 kW)	17.5	1.05	144267	16300	BK90-../DPE20XA4	102.0	8228	36600	24055	107000	1916	869
40 HP (30 kW)	15.5	0.91	162854	18400	BK90-../DPE20XA4	117.0	8813	39200	25403	113000	1916	869
40 HP (30 kW)	14	0.82	180555	20400	BK90-../DPE20XA4	130.9	9599	42700	26842	119400	1916	869

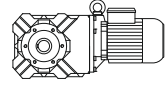
50 HP (37 kW)



P _N			Output Torque		Type	i	Permissible Overhung Load				Weight	
			lb·ft-in	Nm			Standard Bearings		Reinforced Bearings		lb	kg
[kW]	RPM	SF					lb·f	N	lb·f	N		
50 HP (37 kW)	125	1.55	24782	2800	BK80-../DPE22MA4	14.34	1776	7900	8138	36200	1477	670
50 HP (37 kW)	123	3.2	25225	2850	BK90-../DPE22MA4	14.49	3260	14500	11330	50400	2039	925
50 HP (37 kW)	118	1.05	26110	2950	BK70-../DPE22MA4	15.16	1259	5600	5800	25800	1230	558
50 HP (37 kW)	113	1.55	27437	3100	BK80-../DPE22MA4	15.88	1888	8400	8678	38600	1477	670
50 HP (37 kW)	110	3.2	28322	3200	BK90-../DPE22MA4	16.21	3462	15400	11780	52400	2039	925
50 HP (37 kW)	104	1.05	29650	3350	BK70-../DPE22MA4	17.24	1461	6500	6564	29200	1230	558
50 HP (37 kW)	101	1.5	30535	3450	BK80-../DPE22MA4	17.79	2113	9400	9464	42100	1477	670
50 HP (37 kW)	99	3.2	31420	3550	BK90-../DPE22MA4	18.07	3507	15600	12230	54400	2039	925
50 HP (37 kW)	92	1.5	33633	3800	BK80-../DPE22MA4	19.35	2136	9500	9892	44000	1477	670
50 HP (37 kW)	89	3.0	34960	3950	BK90-../DPE22MA4	20.21	3732	16600	12747	56700	2039	925
50 HP (37 kW)	81	1.55	38501	4350	BK80-../DPE22MA4	22.19	2360	10500	10903	48500	1477	670
50 HP (37 kW)	80	2.8	38943	4400	BK90-../DPE22MA4	22.29	3799	16900	13286	59100	2039	925
50 HP (37 kW)	72	1.45	43369	4900	BK80-../DPE22MA4	24.85	2518	11200	11330	50400	1477	670
50 HP (37 kW)	72	2.6	43369	4900	BK90-../DPE22MA4	24.94	4047	18000	13871	61700	2039	925
50 HP (37 kW)	59	1.25	52219	5900	BK80-../DPE22MA4	30.56	2675	11900	12005	53400	1477	670
50 HP (37 kW)	59	2.3	52219	5900	BK90-../DPE22MA4	30.47	4294	19100	14815	65900	2039	925
50 HP (37 kW)	53	1.2	58415	6600	BK80-../DPE22MA4	34.22	2833	12600	12454	55400	1477	670
50 HP (37 kW)	53	2.1	58415	6600	BK90-../DPE22MA4	34.09	4564	20300	15467	68800	2039	925
50 HP (37 kW)	43.5	1.85	71691	8100	BK90-../DPE22MA4	40.94	4811	21400	16434	73100	2039	925
50 HP (37 kW)	43	1.0	72576	8200	BK80-../DPE22MA4	41.78	3035	13500	13196	58700	1477	670
50 HP (37 kW)	39	1.7	79657	9000	BK90-../DPE22MA4	45.80	5103	22700	17153	76300	2039	925
50 HP (37 kW)	32.5	1.5	95588	10800	BK90-../DPE22MA4	54.98	5395	24000	18210	81000	2039	925

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

50 HP (37 kW)



P _N [kW]	RPM	SF	Output Torque		Type	i	Permissible Overhung Load				Weight	
			lbf-in	Nm			Standard Bearings		Reinforced Bearings		lb	kg
50 HP (37 kW)	29	1.4	107094	12100	BK90-.../DPE22MA4	61.52	5733	25500	19019	84600	2039	925
50 HP (37 kW)	26	1.25	119485	13500	BK90-.../DPE22MA4	69.27	6115	27200	19986	88900	2039	925
50 HP (37 kW)	23	1.1	135416	15300	BK90-.../DPE22MA4	77.51	6812	30300	21222	94400	2039	925

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