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BF-series shaft-mounted geared motors - Selection

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Sizes

Bauer BF-series shaft-mounted geared motors are normally supplied in ten frame sizes and with torques of 90 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 shaft-mounted geared motors

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

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

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

See Bauer special imprint SD32 for more information.

Continuous operation without switching frequency Z ≤1/h

Factor f_1 for shock classification and operating time

Shock classification	Operating hours per day t_d	>4 h ≤8 h	>8 h ≤16 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 ≤8 h/d

Shock classification	1 <Z ≤100	100 <Z ≤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 ≤100	100 <Z ≤1000	1000 <Z
I	1.3	1.45	1.5
II	1.5	1.6	1.65
III	1,75	1.8	1.8

Bauer service factor

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

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

Explanation of shock classification

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

- FI ≤1,3
- M_x/M_N ≤1,0
- Shock-absorbing power transmission components (e.g. highly resilient, zero-play coupling, φ N ≥5°)

Shock classification II:
Moderate shock loads. At least one of the following conditions applies:
- 1.3 <FI ≤4
- 1 <Mx/M_N ≤1.6
- Shock-neutral power transmission components (e.g. gear wheels, zero- play rigid coupling or resilient coupling with φ N <5°)

Shock classification III:
Heavy shock loads. At least one of the following conditions applies:
- FI >4
- 1.6 <Mx/M_N ≤2.0
- Shock-amplifying power transmission components (e.g. coupling with play or chain drive)

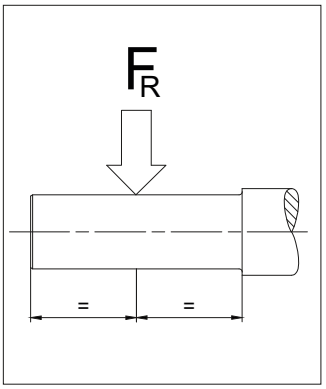
Key to abbreviations

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 (kgm2)
Mx	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 shaft-mounted geared motors

Key to abbreviations

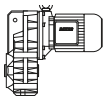
P	Rated output
n_2	Rated speed of the output shaft
i	Gear reduction ratio
M_2	Rated torque at the output shaft
f_B	Bauer service factor
F_{RN}	Maximum permissible radial force with normal bearings
F_{RV}	Maximum permissible radial force with reinforced bearings in each case with standard solid shaft (Code -.1 und -.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 11 „dimensional drawings shaft-mounted gear motors").

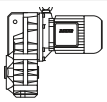
Motor power overload protection
Motor-power ratings, particularly in conjunction with four-stage and multi-stage gear units, are more than ample in some instances. Consequently, and in much the same way as with low-power motors, rated current is not a measure of gear loading and cannot be used to protect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

MN = 0.76 Nm (PN = 0.12 kW)



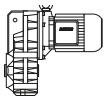
M_N	P_N	n_2	M_2	f_B	i	IE-Classe	Type	Speed range n_2 [1/min] at motor speed n_1 [1/min]					Torque range M_2 [Nm] at motor speed n_1 [1/min]					m	F_{RN}	F_{RV}
[Nm]	[kW]	[1/min]	[Nm]	[--]	[:1]			150	500	1000	1500	1800	150	500	1000	1500	1800	[kg]	[N]	[N]
0.76	0.12	9.9	114	2.1	151.2	IE4	**BF10Z-../S4E04SA4-1**	0.95	3.3	6.6	9.9	11.5	114	114	114	114	114	21	6400	-
0.76	0.12	9	126	1.9	166.2	IE4	**BF10Z-../S4E04SA4-1**	0.9	3	6	9	10.5	126	126	126	126	126	21	6400	-
0.76	0.12	8.3	136	1.8	180.1	IE4	**BF10Z-../S4E04SA4-1**	0.8	2.7	5.5	8.3	9.9	136	136	136	136	136	21	6400	-
0.76	0.12	7.5	150	1.6	198	IE4	**BF10Z-../S4E04SA4-1**	0.75	2.5	5	7.5	9	150	150	150	150	150	21	6400	-
0.76	0.12	6.9	163	1.5	214.5	IE4	**BF10Z-../S4E04SA4-1**	0.65	2.3	4.6	6.9	8.3	163	163	163	163	163	21	6400	-
0.76	0.12	6.3	179	1.3	235.8	IE4	**BF10Z-../S4E04SA4-1**	0.6	2.1	4.2	6.3	7.6	179	179	179	179	179	21	6400	-
0.76	0.12	5.8	195	1.2	257.4	IE4	**BF10Z-../S4E04SA4-1**	0.55	1.9	3.8	5.8	6.9	195	195	195	195	195	21	6400	-
0.76	0.12	5.2	215	1.1	283.1	IE4	**BF10Z-../S4E04SA4-1**	0.5	1.7	3.5	5.2	6.3	215	215	215	215	215	21	6400	-
0.76	0.12	4.6	245	0.97	324.3	IE4	**BF10Z-../S4E04SA4-1**	0.46	1.5	3	4.6	5.5	245	245	245	245	245	21	6400	-
0.76	0.12	4.2	270	0.89	356.6	IE4	**BF10Z-../S4E04SA4-1**	0.42	1.4	2.8	4.2	5	270	270	270	270	270	21	6400	-
0.76	0.12	3.9	285	0.83	380.2	IE4	**BF10Z-../S4E04SA4-1**	0.39	1.3	2.6	3.9	4.7	285	285	285	285	285	21	6400	-
0.76	0.12	4.6	240	1.1	322.3	IE4	**BF10G06-../S4E04SA4-1**	0.46	1.5	3.1	4.6	5.5	240	240	240	240	240	25	6400	-
0.76	0.12	3.9	285	0.91	377.9	IE4	**BF10G06-../S4E04SA4-1**	0.39	1.3	2.6	3.9	4.7	285	285	285	285	285	25	6400	-
0.76	0.12	3.5	320	0.81	424.5	IE4	**BF10G06-../S4E04SA4-1**	0.35	1.1	2.3	3.5	4.2	320	320	320	320	320	25	6400	-
0.76	0.12	7.6	149	2.8	197.1	IE4	**BF20Z-../S4E04SA4-1**	0.75	2.5	5	7.6	9.1	149	149	149	149	149	28	7900	-
0.76	0.12	6.9	164	2.5	216.9	IE4	**BF20Z-../S4E04SA4-1**	0.65	2.3	4.6	6.9	8.2	164	164	164	164	164	28	7900	-
0.76	0.12	6.3	179	2.3	235.9	IE4	**BF20Z-../S4E04SA4-1**	0.6	2.1	4.2	6.3	7.6	179	179	179	179	179	28	7900	-
0.76	0.12	5.7	197	2.1	259.6	IE4	**BF20Z-../S4E04SA4-1**	0.55	1.9	3.8	5.7	6.9	197	197	197	197	197	28	7900	-
0.76	0.12	5	220	1.9	295.5	IE4	**BF20Z-../S4E04SA4-1**	0.5	1.6	3.3	5	6	220	220	220	220	220	28	7900	-
0.76	0.12	4.6	245	1.7	325.2	IE4	**BF20Z-../S4E04SA4-1**	0.46	1.5	3	4.6	5.5	245	245	245	245	245	28	7900	-
0.76	0.12	4.4	255	1.6	339.1	IE4	**BF20Z-../S4E04SA4-1**	0.44	1.4	2.9	4.4	5.3	255	255	255	255	255	28	7900	-
0.76	0.12	4	280	1.5	373.1	IE4	**BF20Z-../S4E04SA4-1**	0.4	1.3	2.6	4	4.8	280	280	280	280	280	28	7900	-
0.76	0.12	3.5	315	1.3	418.1	IE4	**BF20Z-../S4E04SA4-1**	0.35	1.1	2.3	3.5	4.3	315	315	315	315	315	28	7900	-
0.76	0.12	3.2	345	1.2	460	IE4	**BF20Z-../S4E04SA4-1**	0.32	1	2.1	3.2	3.9	345	345	345	345	345	28	7900	-
0.76	0.12	2.9	390	1.2	513.7	IE4	**BF20G06-../S4E04SA4-1**	0.29	0.95	1.9	2.9	3.5	390	390	390	390	390	31	7900	-
0.76	0.12	2.4	465	0.98	617	IE4	**BF20G06-../S4E04SA4-1**	0.24	0.8	1.6	2.4	2.9	465	465	465	465	465	31	7900	-
0.76	0.12	2	550	0.82	736.1	IE4	**BF20G06-../S4E04SA4-1**	0.2	0.65	1.3	2	2.4	550	550	550	550	550	31	7900	-
0.76	0.12	2.4	470	1.3	622.4	IE4	**BF30G06-../S4E04SA4-1**	0.24	0.8	1.6	2.4	2.8	470	470	470	470	470	41	7400	-
0.76	0.12	2.1	530	1.2	705.1	IE4	**BF30G06-../S4E04SA4-1**	0.21	0.7	1.4	2.1	2.5	530	530	530	530	530	41	7400	-
0.76	0.12	1.8	620	1	817.1	IE4	**BF30G06-../S4E04SA4-1**	0.18	0.6	1.2	1.8	2.2	620	620	620	620	620	41	7400	-
0.76	0.12	1.5	730	0.86	961.1	IE4	**BF30G06-../S4E04SA4-1**	0.15	0.5	1	1.5	1.8	730	730	730	730	730	41	7400	-

MN = 1 Nm (PN = 0.157 kW)



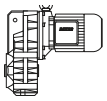
M_N	P_N	n_2	M_2	f_B	i	IE-Classe	Type	Speed range n_2 [1/min] at motor speed n_1 [1/min]					Torque range M_2 [Nm] at motor speed n_1 [1/min]					m	F_{RN}	F_{RV}
[Nm]	[kW]	[1/min]	[Nm]	[--]	[:1]			150	500	1000	1500	1800	150	500	1000	1500	1800	[kg]	[N]	[N]
1	0.157	9.9	151	1.6	151.2	IE2	**BF10Z-../SHE04SA4-1**	0.95	3.3	6.6	9.9	11.5	114	128	151	151	151	21	6400	-
1	0.157	9	166	1.4	166.2	IE2	**BF10Z-../SHE04SA4-1**	0.9	3	6	9	10.5	126	141	166	166	166	21	6400	-
1	0.157	8.3	180	1.3	180.1	IE2	**BF10Z-../SHE04SA4-1**	0.8	2.7	5.5	8.3	9.9	136	153	180	180	180	21	6400	-
1	0.157	7.5	198	1.2	198	IE2	**BF10Z-../SHE04SA4-1**	0.75	2.5	5	7.5	9	150	168	198	198	198	21	6400	-
1	0.157	6.9	210	1.1	214.5	IE2	**BF10Z-../SHE04SA4-1**	0.65	2.3	4.6	6.9	8.3	163	182	210	210	210	21	6400	-
1	0.157	6.3	235	1	235.8	IE2	**BF10Z-../SHE04SA4-1**	0.6	2.1	4.2	6.3	7.6	179	200	235	235	235	21	6400	-
1	0.157	5.8	255	0.93	257.4	IE2	**BF10Z-../SHE04SA4-1**	0.55	1.9	3.8	5.8	6.9	195	215	255	255	255	21	6400	-
1	0.157	5.2	280	0.85	283.1	IE2	**BF10Z-../SHE04SA4-1**	0.5	1.7	3.5	5.2	6.3	215	240	280	280	280	21	6400	-
1	0.157	4.6	320	0.81	322.3	IE2	**BF10G06-../SHE04SA4-1**	0.46	1.5	3.1	4.6	5.5	240	270	320	320	320	25	6400	-
1	0.157	10.5	141	3	141.2	IE2	**BF20Z-../SHE04SA4-1**	1	3.5	7	10.5	12.5	107	120	141	141	141	28	7900	-
1	0.157	9.6	155	2.7	155.4	IE2	**BF20Z-../SHE04SA4-1**	0.95	3.2	6.4	9.6	11.5	118	132	155	155	155	28	7900	-
1	0.157	9.1	164	2.6	164.3	IE2	**BF20Z-../SHE04SA4-1**	0.9	3	6	9.1	10.5	124	139	164	164	164	28	7900	-
1	0.157	8.2	180	2.3	180.8	IE2	**BF20Z-../SHE04SA4-1**	0.8	2.7	5.5	8.2	9.9	137	153	180	180	180	28	7900	-
1	0.157	7.6	197	2.1	197.1	IE2	**BF20Z-../SHE04SA4-1**	0.75	2.5	5	7.6	9.1	149	167	197	197	197	28	7900	-
1	0.157	6.9	215	1.9	216.9	IE2	**BF20Z-../SHE04SA4-1**	0.65	2.3	4.6	6.9	8.2	164	184	215	215	215	28	7900	-
1	0.157	6.3	235	1.8	235.9	IE2	**BF20Z-../SHE04SA4-1**	0.6	2.1	4.2	6.3	7.6	179	200	235	235	235	28	7900	-
1	0.157	5.7	255	1.6	259.6	IE2	**BF20Z-../SHE04SA4-1**	0.55	1.9	3.8	5.7	6.9	197	220	255	255	255	28	7900	-
1	0.157	5	295	1.4	295.5	IE2	**BF20Z-../SHE04SA4-1**	0.5	1.6	3.3	5	6	220	250	295	295	295	28	7900	-
1	0.157	4.6	325	1.3	325.2	IE2	**BF20Z-../SHE04SA4-1**	0.46	1.5	3	4.6	5.5	245	275	325	325	325	28	7900	-
1	0.157	4.4	335	1.2	339.1	IE2	**BF20Z-../SHE04SA4-1**	0.44	1.4	2.9	4.4	5.3	255	285	335	335	335	28	7900	-
1	0.157	4	370	1.1	373.1	IE2	**BF20Z-../SHE04SA4-1**	0.4	1.3	2.6	4	4.8	280	315	370	370	370	28	7900	-
1	0.157	3.5	415	1	418.1	IE2	**BF20Z-../SHE04SA4-1**	0.35	1.1	2.3	3.5	4.3	315	355	415	415	415	28	7900	-
1	0.157	3.2	460	0.91	460	IE2	**BF20Z-../SHE04SA4-1**	0.32	1	2.1	3.2	3.9	345	390	460	460	460	28	7900	-
1	0.157	2.9	510	0.9	513.7	IE2	**BF20G06-../SHE04SA4-1**	0.29	0.95	1.9	2.9	3.5	390	435	510	510	510	31	7900	-
1	0.157	2.4	620	1	622.4	IE2	**BF30G06-../SHE04SA4-1**	0.24	0.8	1.6	2.4	2.8	470	520	620	620	620	41	7400	-
1	0.157	2.1	700	0.89	705.1	IE2	**BF30G06-../SHE04SA4-1**	0.21	0.7	1.4	2.1	2.5	530	590	700	700	700	41	7400	-

MN = 1.3 Nm (PN = 0.2 kW)



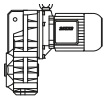
M_N	P_N	n_2	M_2	f_B	i	IE-Classe	Type	Speed range n_2 [1/min] at motor speed n_1 [1/min]					Torque range M_2 [Nm] at motor speed n_1 [1/min]					m	F_{RN}	F_{RV}
[Nm]	[kW]	[1/min]	[Nm]	[--]	[:1]			150	500	1000	1500	1800	150	500	1000	1500	1800	[kg]	[N]	[N]
1.3	0.2	56	34.5	2.7	26.76	IE5	**BF06-../S5E06MA4**	5.6	18.5	37	56	67	34.5	34.5	34.5	34.5	34.5	12	3000	-
1.3	0.2	47.5	40.5	2.3	31.5	IE5	**BF06-../S5E06MA4**	4.7	15.5	31.5	47.5	57	40.5	40.5	40.5	40.5	40.5	12	3200	-
1.3	0.2	39.5	48.5	1.9	37.69	IE5	**BF06-../S5E06MA4**	3.9	13	26.5	39.5	47.5	48.5	48.5	48.5	48.5	48.5	12	3500	-
1.3	0.2	32.5	59	1.6	46.14	IE5	**BF06-../S5E06MA4**	3.2	10.5	21.5	32.5	39	59	59	59	59	59	12	3800	-
1.3	0.2	25.5	75	1.3	58.33	IE5	**BF06-../S5E06MA4**	2.5	8.5	17	25.5	30.5	75	75	75	75	75	12	4000	-
1.3	0.2	22	86	1.1	66.82	IE5	**BF06-../S5E06MA4**	2.2	7.4	14.5	22	26.5	86	86	86	86	86	12	4000	-
1.3	0.2	17.5	108	0.87	83.61	IE5	**BF06-../S5E06MA4**	1.7	5.9	11.5	17.5	21.5	108	108	108	108	108	12	4000	-
1.3	0.2	24	80	3	61.55	IE5	**BF10-../S5E06MA4**	2.4	8.1	16	24	29	80	80	80	80	80	23	4700	-
1.3	0.2	22	87	2.7	67.69	IE5	**BF10-../S5E06MA4**	2.2	7.3	14.5	22	26.5	87	87	87	87	87	23	4900	-
1.3	0.2	19	100	2.4	77.55	IE5	**BF10-../S5E06MA4**	1.9	6.4	12.5	19	23	100	100	100	100	100	23	5100	-
1.3	0.2	17.5	110	2.2	85.27	IE5	**BF10-../S5E06MA4**	1.7	5.8	11.5	17.5	21	110	110	110	110	110	23	5300	-
1.3	0.2	16	118	2	90.91	IE5	**BF10-../S5E06MA4**	1.6	5.4	10.5	16	19.5	118	118	118	118	118	23	5400	-
1.3	0.2	15	129	1.8	99.97	IE5	**BF10-../S5E06MA4**	1.5	5	10	15	18	129	129	129	129	129	23	5600	-
1.3	0.2	13	145	1.6	112.3	IE5	**BF10-../S5E06MA4**	1.3	4.4	8.9	13	16	145	145	145	145	145	23	5900	-
1.3	0.2	12	160	1.5	123.5	IE5	**BF10-../S5E06MA4**	1.2	4	8	12	14.5	160	160	160	160	160	23	6100	-
1.3	0.2	11.5	167	1.4	128.9	IE5	**BF10-../S5E06MA4**	1.1	3.8	7.7	11.5	13.5	167	167	167	167	167	23	6200	-
1.3	0.2	10.5	184	1.3	141.8	IE5	**BF10-../S5E06MA4**	1	3.5	7	10.5	12.5	184	184	184	184	184	23	6400	-
1.3	0.2	9.9	196	1.2	151.2	IE5	**BF10Z-../S5E06MA4**	0.95	3.3	6.6	9.9	11.5	196	196	196	196	196	24	6400	-
1.3	0.2	9	215	1.1	166.2	IE5	**BF10Z-../S5E06MA4**	0.9	3	6	9	10.5	215	215	215	215	215	24	6400	-
1.3	0.2	8.3	230	1	180.1	IE5	**BF10Z-../S5E06MA4**	0.8	2.7	5.5	8.3	9.9	230	230	230	230	230	24	6400	-
1.3	0.2	7.5	255	0.93	198	IE5	**BF10Z-../S5E06MA4**	0.75	2.5	5	7.5	9	255	255	255	255	255	24	6400	-
1.3	0.2	6.9	275	0.86	214.5	IE5	**BF10Z-../S5E06MA4**	0.65	2.3	4.6	6.9	8.3	275	275	275	275	275	24	6400	-
1.3	0.2	13.5	143	2.9	110.2	IE5	**BF20-../S5E06MA4**	1.3	4.5	9	13.5	16	143	143	143	143	143	30	7300	-
1.3	0.2	12	160	2.6	123.5	IE5	**BF20-../S5E06MA4**	1.2	4	8	12	14.5	160	160	160	160	160	30	7600	-
1.3	0.2	11	176	2.4	135.9	IE5	**BF20-../S5E06MA4**	1.1	3.6	7.3	11	13	176	176	176	176	176	30	7900	-
1.3	0.2	10.5	183	2.3	141.2	IE5	**BF20Z-../S5E06MA4**	1	3.5	7	10.5	12.5	183	183	183	183	183	31	7900	-
1.3	0.2	9.6	200	2.1	155.4	IE5	**BF20Z-../S5E06MA4**	0.95	3.2	6.4	9.6	11.5	200	200	200	200	200	31	7900	-
1.3	0.2	9.1	210	2	164.3	IE5	**BF20Z-../S5E06MA4**	0.9	3	6	9.1	10.5	210	210	210	210	210	31	7900	-
1.3	0.2	8.2	235	1.8	180.8	IE5	**BF20Z-../S5E06MA4**	0.8	2.7	5.5	8.2	9.9	235	235	235	235	235	31	7900	-
1.3	0.2	7.6	255	1.6	197.1	IE5	**BF20Z-../S5E06MA4**	0.75	2.5	5	7.6	9.1	255	255	255	255	255	31	7900	-
1.3	0.2	6.9	280	1.5	216.9	IE5	**BF20Z-../S5E06MA4**	0.65	2.3	4.6	6.9	8.2	280	280	280	280	280	31	7900	-
1.3	0.2	6.3	305	1.4	235.9	IE5	**BF20Z-../S5E06MA4**	0.6	2.1	4.2	6.3	7.6	305	305	305	305	305	31	7900	-
1.3	0.2	5.7	335	1.2	259.6	IE5	**BF20Z-../S5E06MA4**	0.55	1.9	3.8	5.7	6.9	335	335	335	335	335	31	7900	-
1.3	0.2	5	380	1.1	295.5	IE5	**BF20Z-../S5E06MA4**	0.5	1.6	3.3	5	6	380	380	380	380	380	31	7900	-
1.3	0.2	4.6	420	0.99	325.2	IE5	**BF20Z-../S5E06MA4**	0.46	1.5	3	4.6	5.5	420	420	420	420	420	31	7900	-
1.3	0.2	4.4	440	0.95	339.1	IE5	**BF20Z-../S5E06MA4**	0.44	1.4	2.9	4.4	5.3	440	440	440	440	440	31	7900	-
1.3	0.2	4	485	0.87	373.1	IE5	**BF20Z-../S5E06MA4**	0.4	1.3	2.6	4	4.8	485	485	485	485	485	31	7900	-
1.3	0.2	9	215	2.6	165.8	IE5	**BF30Z-../S5E06MA4**	0.9	3	6	9	10.5	215	215	215	215	215	42	7400	-
1.3	0.2	8.4	225	2.5	176.6	IE5	**BF30Z-../S5E06MA4**	0.8	2.8	5.6	8.4	10	225	225	225	225	225	42	7400	-
1.3	0.2	7.7	250	2.3	194.3	IE5	**BF30Z-../S5E06MA4**	0.75	2.5	5.1	7.7	9.2	250	250	250	250	250	42	7400	-
1.3	0.2	6.6	290	2	224.8	IE5	**BF30Z-../S5E06MA4**	0.65	2.2	4.4	6.6	8	290	290	290	290	290	42	7400	-
1.3	0.2	6	320	1.8	247.3	IE5	**BF30Z-../S5E06MA4**	0.6	2	4	6	7.2	320	320	320	320	320	42	7400	-
1.3	0.2	5.6	340	1.7	263.5	IE5	**BF30Z-../S5E06MA4**	0.55	1.8	3.7	5.6	6.8	340	340	340	340	340	42	7400	-
1.3	0.2	5.1	375	1.5	289.8	IE5	**BF30Z-../S5E06MA4**	0.5	1.7	3.4	5.1	6.2	375	375	375	375	375	42	7400	-
1.3	0.2	4.8	400	1.4	310.7	IE5	**BF30Z-../S5E06MA4**	0.48	1.6	3.2	4.8	5.7	400	400	400	400	400	42	7400	-
1.3	0.2	4.3	440	1.3	341.8	IE5	**BF30Z-../S5E06MA4**	0.43	1.4	2.9	4.3	5.2	440	440	440	440	440	42	7400	-
1.3	0.2	3.9	485	1.2	375.1	IE5	**BF30Z-../S5E06MA4**	0.39	1.3	2.6	3.9	4.7	485	485	485	485	485	42	7400	-
1.3	0.2	3.6	530	1.1	412.6	IE5	**BF30Z-../S5E06MA4**	0.36	1.2	2.4	3.6	4.3	530	530	530	530	530	42	7400	-
1.3	0.2	3.2	600	0.95	463.3	IE5	**BF30Z-../S5E06MA4**	0.32	1	2.1	3.2	3.8	600	600	600	600	600	42	7400	-
1.3	0.2	2.9	660	0.86	509.6	IE5	**BF30Z-../S5E06MA4**	0.29	0.95	1.9	2.9	3.5	660	660	660	660	660	42	7400	-
1.3	0.2	2.7	690	0.82	537	IE5	**BF30Z-../S5E06MA4**	0.27	0.9	1.8	2.7	3.3	690	690	690	690	690	42	7400	-
1.3	0.2	5.9	325	2.7	253.2	IE5	**BF40Z-../S5E06MA4**	0.55	1.9	3.9	5.9	7.1	325	325	325	325	325	53	10600	-
1.3	0.2	5.3	360	2.5	278.5	IE5	**BF40Z-../S5E06MA4**	0.5	1.7	3.5	5.3	6.4	360	360	360	360	360	53	10600	-
1.3	0.2	5	380	2.3	295.1	IE5	**BF40Z-../S5E06MA4**	0.5	1.6	3.3	5	6	380	380	380	380	380	53	10600	-
1.3	0.2	4.6	420	2.1	324.7	IE5	**BF40Z-../S5E06MA4**	0.46	1.5	3	4.6	5.5	420	420	420	420	420	53	10600	-
1.3	0.2	4.3	450	2	346.8	IE5	**BF40Z-../S5E06MA4**	0.43	1.4	2.8	4.3	5.1	450	450	450	450	450	53	10600	-
1.3	0.2	3.9	495	1.8	381.5	IE5	**BF40Z-../S5E06MA4**	0.39	1.3	2.6	3.9	4.7	495	495	495	495	495	53	10600	-
1.3	0.2	3.5	540	1.7	417.3	IE5	**BF40Z-../S5E06MA4**	0.35	1.1	2.3	3.5	4.3	540	540	540	540	540	53	10600	-
1.3	0.2	3.2	590	1.5	459.1	IE5	**BF40Z-../S5E06MA4**	0.32	1	2.1	3.2	3.9	590	590	590	590	590	53	10600	-
1.3	0.2	2.9	660	1.3	514.6	IE5	**BF40Z-../S5E06MA4**	0.29	0.95	1.9	2.9	3.4	660	660	660	660	660	53	10600	-
1.3	0.2	2.6	730	1.2	566.1	IE5	**BF40Z-../S5E06MA4**	0.26	0.85	1.7	2.6	3.1	730	730	730	730	730	53	10600	-
1.3	0.2	2.5	770	1.3	597.3	IE5	**BF40G10-../S5E06MA4**	0.25	0.8	1.6	2.5	3	770	770	770	770	770	58	10600	-
1.3	0.2	2	950	1.1	731.6	IE5	**BF40G10-../S5E06MA4**	0.2	0.65	1.3	2	2.4	950	950	950	950	950	58	10600	-
1.3	0.2	1.6	1200	0.83	928.9	IE5	**BF40G10-../S5E06MA4**	0.16	0.5	1	1.6	1.9	1200	1200	1200	1200	1200	58	10600	-
1.3	0.2	4.2	460	2.8	354	IE5	**BF50Z-../S5E06MA4**	0.42	1.4	2.8	4.2	5	460	460	460	460	460	82	13600	-
1.3	0.2	3.8	510	2.5	392.8	IE5	**BF50Z-../S5E06MA4**	0.38	1.2	2.5	3.8	4.5	510	510	510	510	510	82	13600	-
1.3	0.2	3.4	570	2.3	439.3	IE5	**BF50Z-../S5E06MA4**	0.34	1.1	2.2	3.4	4	570	570	570	570	570	82	13600	-
1.3	0.2	3	640	2	496.4	IE5	**BF50Z-../S5E06MA4**	0.3	1	2	3	3.6	640	640	640	640	640	82	13600	-
1.3	0.2	2.7	720	1.8	555.2	IE5	**BF50Z-../S5E06MA4**	0.27	0.9	1.8	2.7	3.2	720	720	720	720	720	82	13600	-
1.3	0.2	2.6	720	1.9	555.9	IE5	**BF50G10-../S5E06MA4**	0.26	0.85	1.7	2.6	3.2	720	720	720	720	720	86	13600	-
1.3	0.2	2.2	880	1.6	680.9	IE5	**BF50G10-../S5E06MA4**	0.22	0.7	1.4	2.2	2.6	880	880	880	880	880	86	13600	-
1.3	0.2	1.7	1120	1.2	864.5	IE5	**BF50G10-../S5E06MA4**	0.17	0.55	1.1	1.7	2	1120	1120	1120	1120	1120	86	13600	-
1.3	0.2	1.4	1330	1	1029	IE5	**BF50G10-../S5E06MA4**	0.14	0.48	0.95	1.4	1.7	1330	1330	1330	1330	1330	86	13600	-
1.3	0.2	1.2	1560	0.9	1203	IE5	**BF50G10-../S5E06MA4**	0.12	0.41	0.8	1.2	1.4	1560	1560	1560	1560	1560	86	13600	-
1.3	0.2	2.1	890	2.8	689	IE5	**BF60G20-../S5E06MA4**	0.21	0.7	1.4	2.1	2.6	890	890	890	890	890	134	15300	43300
1.3	0.2	1.8	1050	2.4	813.2	IE5	**BF60G20-../S5E06MA4**	0.18	0.6	1.2	1.8	2.2	1050	1050	1050	1050	1050	134	15300	43300
1.3	0.2	1.5	1210	2.1	937.6	IE5	**BF60G20-../S5E06MA4**	0.15	0.5	1	1.5	1.9	1210	1210	1210	1210	1210	134	15300	43300

MN = 1.3 Nm (PN = 0.2 kW)



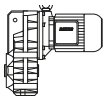
M_N	P_N	n_2	M_2	f_B	i	IE-Classe	Type	Speed range n_2 [1/min] at motor speed n_1 [1/min]					Torque range M_2 [Nm] at motor speed n_1 [1/min]					m	F_{RN}	F_{RV}
[Nm]	[kW]	[1/min]	[Nm]	[--]	[:1]			150	500	1000	1500	1800	150	500	1000	1500	1800	[kg]	[N]	[N]
1.3	0.2	1.2	1570	1.6	1211	IE5	**BF60G20-../S5E06MA4**	0.12	0.41	0.8	1.2	1.4	1570	1570	1570	1570	1570	134	15300	43300
1.3	0.2	1	1940	1.3	1494	IE5	**BF60G20-../S5E06MA4**	0.1	0.33	0.65	1	1.2	1940	1940	1940	1940	1940	134	15300	43300
1.3	0.2	0.9	2150	1.2	1658	IE5	**BF60G20-../S5E06MA4**	0.09	0.3	0.6	0.9	1	2150	2150	2150	2150	2150	134	15300	43300
1.3	0.2	0.75	2500	0.98	1955	IE5	**BF60G20-../S5E06MA4**	0.075	0.25	0.5	0.75	0.9	2500	2500	2500	2500	2500	134	15300	43300
1.3	0.2	0.65	2800	0.89	2172	IE5	**BF60G20-../S5E06MA4**	0.065	0.23	0.46	0.65	0.8	2800	2800	2800	2800	2800	134	15300	43300
1.3	0.2	0.9	2100	2.7	1621	IE5	**BF70G20-../S5E06MA4**	0.09	0.3	0.6	0.9	1.1	2100	2100	2100	2100	2100	212	16100	47700
1.3	0.2	0.75	2450	2.3	1912	IE5	**BF70G20-../S5E06MA4**	0.075	0.26	0.5	0.75	0.9	2450	2450	2450	2450	2450	212	16100	47700
1.3	0.2	0.6	3150	1.8	2448	IE5	**BF70G20-../S5E06MA4**	0.06	0.2	0.4	0.6	0.7	3150	3150	3150	3150	3150	212	16100	47700
1.3	0.2	0.5	3700	1.5	2849	IE5	**BF70G20-../S5E06MA4**	0.05	0.17	0.35	0.5	0.6	3700	3700	3700	3700	3700	212	16100	47700
1.3	0.2	0.43	4400	1.3	3417	IE5	**BF70G20-../S5E06MA4**	0.043	0.14	0.29	0.43	0.5	4400	4400	4400	4400	4400	212	16100	47700
1.3	0.2	0.36	5300	1.1	4090	IE5	**BF70G20-../S5E06MA4**	0.036	0.12	0.24	0.36	0.44	5300	5300	5300	5300	5300	212	16100	47700
1.3	0.2	0.33	5900	0.97	4542	IE5	**BF70G20-../S5E06MA4**	0.033	0.11	0.22	0.33	0.39	5900	5900	5900	5900	5900	212	16100	47700
1.3	0.2	0.29	6600	0.86	5124	IE5	**BF70G20-../S5E06MA4**	0.029	0.095	0.19	0.29	0.35	6600	6600	6600	6600	6600	212	16100	47700

MN = 1.6 Nm (PN = 0.25 kW)



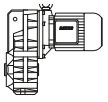
M_N	P_N	n_2	M_2	f_B	i	IE-Classe	Type	Speed range n_2 [1/min] at motor speed n_1 [1/min]					Torque range M_2 [Nm] at motor speed n_1 [1/min]					m	F_{RN}	F_{RV}
[Nm]	[kW]	[1/min]	[Nm]	[--]	[:1]			150	500	1000	1500	1800	150	500	1000	1500	1800	[kg]	[N]	[N]
1.6	0.25	73	32.5	2.9	20.42	IE4	**BF06-../S4E06MA4**	7.3	24	48.5	73	88	32.5	32.5	32.5	32.5	32.5	12	2700	-
1.6	0.25	56	42.5	2.2	26.76	IE4	**BF06-../S4E06MA4**	5.6	18.5	37	56	67	42.5	42.5	42.5	42.5	42.5	12	3000	-
1.6	0.25	47.5	50	1.9	31.5	IE4	**BF06-../S4E06MA4**	4.7	15.5	31.5	47.5	57	50	50	50	50	50	12	3200	-
1.6	0.25	39.5	60	1.6	37.69	IE4	**BF06-../S4E06MA4**	3.9	13	26.5	39.5	47.5	60	60	60	60	60	12	3500	-
1.6	0.25	32.5	73	1.3	46.14	IE4	**BF06-../S4E06MA4**	3.2	10.5	21.5	32.5	39	73	73	73	73	73	12	3800	-
1.6	0.25	25.5	93	1	58.33	IE4	**BF06-../S4E06MA4**	2.5	8.5	17	25.5	30.5	93	93	93	93	93	12	4000	-
1.6	0.25	22	106	0.89	66.82	IE4	**BF06-../S4E06MA4**	2.2	7.4	14.5	22	26.5	106	106	106	106	106	12	4000	-
1.6	0.25	29	82	2.9	51.28	IE4	**BF10-../S4E06MA4**	2.9	9.7	19.5	29	35	82	82	82	82	82	23	4400	-
1.6	0.25	26.5	90	2.7	56.39	IE4	**BF10-../S4E06MA4**	2.6	8.8	17.5	26.5	31.5	90	90	90	90	90	23	4550	-
1.6	0.25	24	98	2.4	61.55	IE4	**BF10-../S4E06MA4**	2.4	8.1	16	24	29	98	98	98	98	98	23	4700	-
1.6	0.25	22	108	2.2	67.69	IE4	**BF10-../S4E06MA4**	2.2	7.3	14.5	22	26.5	108	108	108	108	108	23	4900	-
1.6	0.25	19	124	1.9	77.55	IE4	**BF10-../S4E06MA4**	1.9	6.4	12.5	19	23	124	124	124	124	124	23	5100	-
1.6	0.25	17.5	136	1.8	85.27	IE4	**BF10-../S4E06MA4**	1.7	5.8	11.5	17.5	21	136	136	136	136	136	23	5300	-
1.6	0.25	16	145	1.6	90.91	IE4	**BF10-../S4E06MA4**	1.6	5.4	10.5	16	19.5	145	145	145	145	145	23	5400	-
1.6	0.25	15	159	1.5	99.97	IE4	**BF10-../S4E06MA4**	1.5	5	10	15	18	159	159	159	159	159	23	5600	-
1.6	0.25	13	179	1.3	112.3	IE4	**BF10-../S4E06MA4**	1.3	4.4	8.9	13	16	179	179	179	179	179	23	5900	-
1.6	0.25	12	197	1.2	123.5	IE4	**BF10-../S4E06MA4**	1.2	4	8	12	14.5	197	197	197	197	197	23	6100	-
1.6	0.25	11.5	205	1.2	128.9	IE4	**BF10-../S4E06MA4**	1.1	3.8	7.7	11.5	13.5	205	205	205	205	205	23	6200	-
1.6	0.25	10.5	225	1.1	141.8	IE4	**BF10-../S4E06MA4**	1	3.5	7	10.5	12.5	225	225	225	225	225	23	6400	-
1.6	0.25	9.9	240	0.99	151.2	IE4	**BF10Z-../S4E06MA4**	0.95	3.3	6.6	9.9	11.5	240	240	240	240	240	24	6400	-
1.6	0.25	9	265	0.9	166.2	IE4	**BF10Z-../S4E06MA4**	0.9	3	6	9	10.5	265	265	265	265	265	24	6400	-
1.6	0.25	8.3	285	0.83	180.1	IE4	**BF10Z-../S4E06MA4**	0.8	2.7	5.5	8.3	9.9	285	285	285	285	285	24	6400	-
1.6	0.25	17	139	3	87.31	IE4	**BF20-../S4E06MA4**	1.7	5.7	11	17	20.5	139	139	139	139	139	30	6600	-
1.6	0.25	15.5	153	2.7	96.08	IE4	**BF20-../S4E06MA4**	1.5	5.2	10	15.5	18.5	153	153	153	153	153	30	6900	-
1.6	0.25	14.5	160	2.6	100.2	IE4	**BF20-../S4E06MA4**	1.4	4.9	9.9	14.5	17.5	160	160	160	160	160	30	7000	-
1.6	0.25	13.5	176	2.4	110.2	IE4	**BF20-../S4E06MA4**	1.3	4.5	9	13.5	16	176	176	176	176	176	30	7300	-
1.6	0.25	12	197	2.1	123.5	IE4	**BF20-../S4E06MA4**	1.2	4	8	12	14.5	197	197	197	197	197	30	7600	-
1.6	0.25	11	215	1.9	135.9	IE4	**BF20-../S4E06MA4**	1.1	3.6	7.3	11	13	215	215	215	215	215	30	7900	-
1.6	0.25	10.5	225	1.9	141.2	IE4	**BF20Z-../S4E06MA4**	1	3.5	7	10.5	12.5	225	225	225	225	225	31	7900	-
1.6	0.25	9.6	245	1.7	155.4	IE4	**BF20Z-../S4E06MA4**	0.95	3.2	6.4	9.6	11.5	245	245	245	245	245	31	7900	-
1.6	0.25	9.1	260	1.6	164.3	IE4	**BF20Z-../S4E06MA4**	0.9	3	6	9.1	10.5	260	260	260	260	260	31	7900	-
1.6	0.25	8.2	285	1.5	180.8	IE4	**BF20Z-../S4E06MA4**	0.8	2.7	5.5	8.2	9.9	285	285	285	285	285	31	7900	-
1.6	0.25	7.6	315	1.3	197.1	IE4	**BF20Z-../S4E06MA4**	0.75	2.5	5	7.6	9.1	315	315	315	315	315	31	7900	-
1.6	0.25	6.9	345	1.2	216.9	IE4	**BF20Z-../S4E06MA4**	0.65	2.3	4.6	6.9	8.2	345	345	345	345	345	31	7900	-
1.6	0.25	6.3	375	1.1	235.9	IE4	**BF20Z-../S4E06MA4**	0.6	2.1	4.2	6.3	7.6	375	375	375	375	375	31	7900	-
1.6	0.25	5.7	415	1	259.6	IE4	**BF20Z-../S4E06MA4**	0.55	1.9	3.8	5.7	6.9	415	415	415	415	415	31	7900	-
1.6	0.25	5	470	0.89	295.5	IE4	**BF20Z-../S4E06MA4**	0.5	1.6	3.3	5	6	470	470	470	470	470	31	7900	-
1.6	0.25	4.6	520	0.81	325.2	IE4	**BF20Z-../S4E06MA4**	0.46	1.5	3	4.6	5.5	520	520	520	520	520	31	7900	-
1.6	0.25	12.5	189	3	118.3	IE4	**BF30-../S4E06MA4**	1.2	4.2	8.4	12.5	15	189	189	189	189	189	40	7000	-
1.6	0.25	12	199	2.9	124.7	IE4	**BF30-../S4E06MA4**	1.2	4	8	12	14	199	199	199	199	199	40	7100	-
1.6	0.25	10.5	215	2.6	137.1	IE4	**BF30-../S4E06MA4**	1	3.6	7.2	10.5	13	215	215	215	215	215	40	7400	-
1.6	0.25	9.9	240	2.4	150.7	IE4	**BF30Z-../S4E06MA4**	0.95	3.3	6.6	9.9	11.5	240	240	240	240	240	42	7400	-
1.6	0.25	9	265	2.1	165.8	IE4	**BF30Z-../S4E06MA4**	0.9	3	6	9	10.5	265	265	265	265	265	42	7400	-
1.6	0.25	8.4	280	2	176.6	IE4	**BF30Z-../S4E06MA4**	0.8	2.8	5.6	8.4	10	280	280	280	280	280	42	7400	-
1.6	0.25	7.7	310	1.8	194.3	IE4	**BF30Z-../S4E06MA4**	0.75	2.5	5.1	7.7	9.2	310	310	310	310	310	42	7400	-
1.6	0.25	6.6	355	1.6	224.8	IE4	**BF30Z-../S4E06MA4**	0.65	2.2	4.4	6.6	8	355	355	355	355	355	42	7400	-
1.6	0.25	6	395	1.4	247.3	IE4	**BF30Z-../S4E06MA4**	0.6	2	4	6	7.2	395	395	395	395	395	42	7400	-
1.6	0.25	5.6	420	1.4	263.5	IE4	**BF30Z-../S4E06MA4**	0.55	1.8	3.7	5.6	6.8	420	420	420	420	420	42	7400	-
1.6	0.25	5.1	460	1.2	289.8	IE4	**BF30Z-../S4E06MA4**	0.5	1.7	3.4	5.1	6.2	460	460	460	460	460	42	7400	-
1.6	0.25	4.8	495	1.1	310.7	IE4	**BF30Z-../S4E06MA4**	0.48	1.6	3.2	4.8	5.7	495	495	495	495	495	42	7400	-
1.6	0.25	4.3	540	1	341.8	IE4	**BF30Z-../S4E06MA4**	0.43	1.4	2.9	4.3	5.2	540	540	540	540	540	42	7400	-
1.6	0.25	3.9	600	0.95	375.1	IE4	**BF30Z-../S4E06MA4**	0.39	1.3	2.6	3.9	4.7	600	600	600	600	600	42	7400	-
1.6	0.25	3.6	660	0.86	412.6	IE4	**BF30Z-../S4E06MA4**	0.36	1.2	2.4	3.6	4.3	660	660	660	660	660	42	7400	-
1.6	0.25	7.9	300	3	188.3	IE4	**BF40Z-../S4E06MA4**	0.75	2.6	5.3	7.9	9.5	300	300	300	300	300	53	10600	-

MN = 1.6 Nm (PN = 0.25 kW)



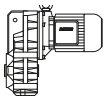
M_N	P_N	n_2	M_2	f_B	i	IE-Classe	Type	Speed range n_2 [1/min] at motor speed n_1 [1/min]					Torque range M_2 [Nm] at motor speed n_1 [1/min]					m	F_{RN}	F_{RV}
[Nm]	[kW]	[1/min]	[Nm]	[--]	[:1]			150	500	1000	1500	1800	150	500	1000	1500	1800	[kg]	[N]	[N]
1.6	0.25	7.4	320	2.8	202.2	IE4	**BF40Z-../S4E06MA4**	0.7	2.4	4.9	7.4	8.9	320	320	320	320	320	53	10600	-
1.6	0.25	6.7	355	2.5	222.4	IE4	**BF40Z-../S4E06MA4**	0.65	2.2	4.4	6.7	8	355	355	355	355	355	53	10600	-
1.6	0.25	5.9	405	2.2	253.2	IE4	**BF40Z-../S4E06MA4**	0.55	1.9	3.9	5.9	7.1	405	405	405	405	405	53	10600	-
1.6	0.25	5.3	445	2	278.5	IE4	**BF40Z-../S4E06MA4**	0.5	1.7	3.5	5.3	6.4	445	445	445	445	445	53	10600	-
1.6	0.25	5	470	1.9	295.1	IE4	**BF40Z-../S4E06MA4**	0.5	1.6	3.3	5	6	470	470	470	470	470	53	10600	-
1.6	0.25	4.6	510	1.7	324.7	IE4	**BF40Z-../S4E06MA4**	0.46	1.5	3	4.6	5.5	510	510	510	510	510	53	10600	-
1.6	0.25	4.3	550	1.6	346.8	IE4	**BF40Z-../S4E06MA4**	0.43	1.4	2.8	4.3	5.1	550	550	550	550	550	53	10600	-
1.6	0.25	3.9	610	1.5	381.5	IE4	**BF40Z-../S4E06MA4**	0.39	1.3	2.6	3.9	4.7	610	610	610	610	610	53	10600	-
1.6	0.25	3.5	660	1.3	417.3	IE4	**BF40Z-../S4E06MA4**	0.35	1.1	2.3	3.5	4.3	660	660	660	660	660	53	10600	-
1.6	0.25	3.2	730	1.2	459.1	IE4	**BF40Z-../S4E06MA4**	0.32	1	2.1	3.2	3.9	730	730	730	730	730	53	10600	-
1.6	0.25	2.9	820	1.1	514.6	IE4	**BF40Z-../S4E06MA4**	0.29	0.95	1.9	2.9	3.4	820	820	820	820	820	53	10600	-
1.6	0.25	2.6	900	0.99	566.1	IE4	**BF40Z-../S4E06MA4**	0.26	0.85	1.7	2.6	3.1	900	900	900	900	900	53	10600	-
1.6	0.25	2.5	950	1	597.3	IE4	**BF40G10-../S4E06MA4**	0.25	0.8	1.6	2.5	3	950	950	950	950	950	58	10600	-
1.6	0.25	2	1170	0.85	731.6	IE4	**BF40G10-../S4E06MA4**	0.2	0.65	1.3	2	2.4	1170	1170	1170	1170	1170	58	10600	-
1.6	0.25	5.4	440	2.9	276.8	IE4	**BF50Z-../S4E06MA4**	0.5	1.8	3.6	5.4	6.5	440	440	440	440	440	82	13600	-
1.6	0.25	4.7	500	2.6	316.6	IE4	**BF50Z-../S4E06MA4**	0.47	1.5	3.1	4.7	5.6	500	500	500	500	500	82	13600	-
1.6	0.25	4.2	560	2.3	354	IE4	**BF50Z-../S4E06MA4**	0.42	1.4	2.8	4.2	5	560	560	560	560	560	82	13600	-
1.6	0.25	3.8	620	2.1	392.8	IE4	**BF50Z-../S4E06MA4**	0.38	1.2	2.5	3.8	4.5	620	620	620	620	620	82	13600	-
1.6	0.25	3.4	700	1.8	439.3	IE4	**BF50Z-../S4E06MA4**	0.34	1.1	2.2	3.4	4	700	700	700	700	700	82	13600	-
1.6	0.25	3	790	1.6	496.4	IE4	**BF50Z-../S4E06MA4**	0.3	1	2	3	3.6	790	790	790	790	790	82	13600	-
1.6	0.25	2.7	880	1.5	555.2	IE4	**BF50Z-../S4E06MA4**	0.27	0.9	1.8	2.7	3.2	880	880	880	880	880	82	13600	-
1.6	0.25	2.6	880	1.6	555.9	IE4	**BF50G10-../S4E06MA4**	0.26	0.85	1.7	2.6	3.2	880	880	880	880	880	86	13600	-
1.6	0.25	2.2	1080	1.3	680.9	IE4	**BF50G10-../S4E06MA4**	0.22	0.7	1.4	2.2	2.6	1080	1080	1080	1080	1080	86	13600	-
1.6	0.25	1.7	1380	1	864.5	IE4	**BF50G10-../S4E06MA4**	0.17	0.55	1.1	1.7	2	1380	1380	1380	1380	1380	86	13600	-
1.6	0.25	1.4	1640	0.85	1029	IE4	**BF50G10-../S4E06MA4**	0.14	0.48	0.95	1.4	1.7	1640	1640	1640	1640	1640	86	13600	-
1.6	0.25	2.6	910	2.7	569.3	IE4	**BF60G20-../S4E06MA4**	0.26	0.85	1.7	2.6	3.1	910	910	910	910	910	134	15300	43300
1.6	0.25	2.1	1100	2.3	689	IE4	**BF60G20-../S4E06MA4**	0.21	0.7	1.4	2.1	2.6	1100	1100	1100	1100	1100	134	15300	43300
1.6	0.25	1.8	1300	1.9	813.2	IE4	**BF60G20-../S4E06MA4**	0.18	0.6	1.2	1.8	2.2	1300	1300	1300	1300	1300	134	15300	43300
1.6	0.25	1.5	1500	1.7	937.6	IE4	**BF60G20-../S4E06MA4**	0.15	0.5	1	1.5	1.9	1500	1500	1500	1500	1500	134	15300	43300
1.6	0.25	1.2	1930	1.3	1211	IE4	**BF60G20-../S4E06MA4**	0.12	0.41	0.8	1.2	1.4	1930	1930	1930	1930	1930	134	15300	43300
1.6	0.25	1	2350	1	1494	IE4	**BF60G20-../S4E06MA4**	0.1	0.33	0.65	1	1.2	2350	2350	2350	2350	2350	134	15300	43300
1.6	0.25	0.9	2650	0.94	1658	IE4	**BF60G20-../S4E06MA4**	0.09	0.3	0.6	0.9	1	2650	2650	2650	2650	2650	134	15300	43300
1.6	0.25	0.75	3100	0.8	1955	IE4	**BF60G20-../S4E06MA4**	0.075	0.25	0.5	0.75	0.9	3100	3100	3100	3100	3100	134	15300	43300
1.6	0.25	1	2200	2.6	1390	IE4	**BF70G20-../S4E06MA4**	0.1	0.35	0.7	1	1.2	2200	2200	2200	2200	2200	212	16100	47700
1.6	0.25	0.9	2550	2.2	1621	IE4	**BF70G20-../S4E06MA4**	0.09	0.3	0.6	0.9	1.1	2550	2550	2550	2550	2550	212	16100	47700
1.6	0.25	0.75	3050	1.9	1912	IE4	**BF70G20-../S4E06MA4**	0.075	0.26	0.5	0.75	0.9	3050	3050	3050	3050	3050	212	16100	47700
1.6	0.25	0.6	3900	1.5	2448	IE4	**BF70G20-../S4E06MA4**	0.06	0.2	0.4	0.6	0.7	3900	3900	3900	3900	3900	212	16100	47700
1.6	0.25	0.5	4550	1.3	2849	IE4	**BF70G20-../S4E06MA4**	0.05	0.17	0.35	0.5	0.6	4550	4550	4550	4550	4550	212	16100	47700
1.6	0.25	0.43	5400	1	3417	IE4	**BF70G20-../S4E06MA4**	0.043	0.14	0.29	0.43	0.5	5400	5400	5400	5400	5400	212	16100	47700
1.6	0.25	0.36	6500	0.87	4090	IE4	**BF70G20-../S4E06MA4**	0.036	0.12	0.24	0.36	0.44	6500	6500	6500	6500	6500	212	16100	47700

MN = 2.4 Nm (PN = 0.37 kW)



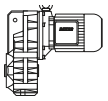
M_N	P_N	n_2	M_2	f_B	i	IE-Classe	Type	Speed range n_2 [1/min] at motor speed n_1 [1/min]					Torque range M_2 [Nm] at motor speed n_1 [1/min]					m	F_{RN}	F_{RV}
[Nm]	[kW]	[1/min]	[Nm]	[--]	[:1]			150	500	1000	1500	1800	150	500	1000	1500	1800	[kg]	[N]	[N]
2.4	0.37	124	28.5	2.6	12.07	IE4	**BF06-../S4E06LA4**	12	41	82	124	149	28.5	28.5	28.5	28.5	28.5	12	2000	-
2.4	0.37	124	28.5	2.6	12.07	IE1	**BF06-../SSE06MA4**	12	41	82	124	149	21.5	24	26.5	28.5	28.5	12	2000	-
2.4	0.37	105	34	2.5	14.21	IE1	**BF06-../SSE06MA4**	10.5	35	70	105	126	25.5	28	31	34	34	12	2100	-
2.4	0.37	105	34	2.5	14.21	IE4	**BF06-../S4E06LA4**	10.5	35	70	105	126	34	34	34	34	34	12	2100	-
2.4	0.37	88	40.5	2.3	16.99	IE4	**BF06-../S4E06LA4**	8.8	29	58	88	105	40.5	40.5	40.5	40.5	40.5	12	2500	-
2.4	0.37	88	40.5	2.3	16.99	IE1	**BF06-../SSE06MA4**	8.8	29	58	88	105	30.5	33.5	37	40.5	40.5	12	2500	-
2.4	0.37	73	49	1.9	20.42	IE4	**BF06-../S4E06LA4**	7.3	24	48.5	73	88	49	49	49	49	49	12	2700	-
2.4	0.37	73	49	1.9	20.42	IE1	**BF06-../SSE06MA4**	7.3	24	48.5	73	88	36.5	40.5	44.5	49	49	12	2700	-
2.4	0.37	56	64	1.5	26.76	IE4	**BF06-../S4E06LA4**	5.6	18.5	37	56	67	64	64	64	64	64	12	3000	-
2.4	0.37	56	64	1.5	26.76	IE1	**BF06-../SSE06MA4**	5.6	18.5	37	56	67	48	53	58	64	64	12	3000	-
2.4	0.37	47.5	75	1.3	31.5	IE1	**BF06-../SSE06MA4**	4.7	15.5	31.5	47.5	57	56	63	69	75	75	12	3200	-
2.4	0.37	47.5	75	1.3	31.5	IE4	**BF06-../S4E06LA4**	4.7	15.5	31.5	47.5	57	75	75	75	75	75	12	3200	-
2.4	0.37	39.5	90	1.1	37.69	IE1	**BF06-../SSE06MA4**	3.9	13	26.5	39.5	47.5	67	75	82	90	90	12	3500	-
2.4	0.37	39.5	90	1.1	37.69	IE4	**BF06-../S4E06LA4**	3.9	13	26.5	39.5	47.5	90	90	90	90	90	12	3500	-
2.4	0.37	32.5	110	0.86	46.14	IE1	**BF06-../SSE06MA4**	3.2	10.5	21.5	32.5	39	83	92	101	110	110	12	3800	-
2.4	0.37	32.5	110	0.86	46.14	IE4	**BF06-../S4E06LA4**	3.2	10.5	21.5	32.5	39	110	110	110	110	110	12	3800	-
2.4	0.37	41	86	2.8	36.15	IE1	**BF10-../SSE06MA4**	4.1	13.5	27.5	41	49.5	65	72	79	86	86	23	3800	-
2.4	0.37	41	86	2.8	36.15	IE4	**BF10-../S4E06LA4**	4.1	13.5	27.5	41	49.5	86	86	86	86	86	23	3800	-
2.4	0.37	37.5	95	2.5	39.75	IE1	**BF10-../SSE06MA4**	3.7	12.5	25	37.5	45	71	79	87	95	95	23	3950	-
2.4	0.37	37.5	95	2.5	39.75	IE4	**BF10-../S4E06LA4**	3.7	12.5	25	37.5	45	95	95	95	95	95	23	3950	-
2.4	0.37	34.5	103	2.3	43.06	IE4	**BF10-../S4E06LA4**	3.4	11.5	23	34.5	41.5	103	103	103	103	103	23	4100	-
2.4	0.37	34.5	103	2.3	43.06	IE1	**BF10-../SSE06MA4**	3.4	11.5	23	34.5	41.5	77	86	94	103	103	23	4100	-
2.4	0.37	31.5	113	2.1	47.35	IE4	**BF10-../S4E06LA4**	3.1	10.5	21	31.5	38	113	113	113	113	113	23	4250	-
2.4	0.37	31.5	113	2.1	47.35	IE1	**BF10-../SSE06MA4**	3.1	10.5	21	31.5	38	85	94	104	113	113	23	4250	-
2.4	0.37	29	123	2	51.28	IE4	**BF10-../S4E06LA4**	2.9	9.7	19.5	29	35	123	123	123	123	123	23	4400	-
2.4	0.37	29	123	2	51.28	IE1	**BF10-../SSE06MA4**	2.9	9.7	19.5	29	35	92	102	112	123	123	23	4400	-
2.4	0.37	26.5	135	1.8	56.39	IE4	**BF10-../S4E06LA4**	2.6	8.8	17.5	26.5	31.5	135	135	135	135	135	23	4550	-
2.4	0.37	26.5	135	1.8	56.39	IE1	**BF10-../SSE06MA4**	2.6	8.8	17.5	26.5	31.5	101	112	124	135	135	23	4550	-

MN = 2.4 Nm (PN = 0.37 kW)



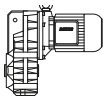
M_N	P_N	n_2	M_2	f_B	i	IE-Classe	Type	Speed range n_2 [1/min] at motor speed n_1 [1/min]					Torque range M_2 [Nm] at motor speed n_1 [1/min]					m	F_{RN}	F_{RV}
[Nm]	[kW]	[1/min]	[Nm]	[--]	[:1]			150	500	1000	1500	1800	150	500	1000	1500	1800	[kg]	[N]	[N]
2.4	0.37	24	147	1.6	61.55	IE4	**BF10-../S4E06LA4**	2.4	8.1	16	24	29	147	147	147	147	147	23	4700	-
2.4	0.37	24	147	1.6	61.55	IE1	**BF10-../SSE06MA4**	2.4	8.1	16	24	29	110	123	135	147	147	23	4700	-
2.4	0.37	22	162	1.5	67.69	IE4	**BF10-../S4E06LA4**	2.2	7.3	14.5	22	26.5	162	162	162	162	162	23	4900	-
2.4	0.37	22	162	1.5	67.69	IE1	**BF10-../SSE06MA4**	2.2	7.3	14.5	22	26.5	121	135	148	162	162	23	4900	-
2.4	0.37	19	186	1.3	77.55	IE1	**BF10-../SSE06MA4**	1.9	6.4	12.5	19	23	139	155	170	186	186	23	5100	-
2.4	0.37	19	186	1.3	77.55	IE4	**BF10-../S4E06LA4**	1.9	6.4	12.5	19	23	186	186	186	186	186	23	5100	-
2.4	0.37	17.5	200	1.2	85.27	IE1	**BF10-../SSE06MA4**	1.7	5.8	11.5	17.5	21	153	170	187	200	200	23	5300	-
2.4	0.37	17.5	200	1.2	85.27	IE4	**BF10-../S4E06LA4**	1.7	5.8	11.5	17.5	21	200	200	200	200	200	23	5300	-
2.4	0.37	16	215	1.1	90.91	IE4	**BF10-../S4E06LA4**	1.6	5.4	10.5	16	19.5	215	215	215	215	215	23	5400	-
2.4	0.37	16	215	1.1	90.91	IE1	**BF10-../SSE06MA4**	1.6	5.4	10.5	16	19.5	163	181	200	215	215	23	5400	-
2.4	0.37	15	235	1	99.97	IE4	**BF10-../S4E06LA4**	1.5	5	10	15	18	235	235	235	235	235	23	5600	-
2.4	0.37	15	235	1	99.97	IE1	**BF10-../SSE06MA4**	1.5	5	10	15	18	179	199	215	235	235	23	5600	-
2.4	0.37	13	265	0.89	112.3	IE4	**BF10-../S4E06LA4**	1.3	4.4	8.9	13	16	265	265	265	265	265	23	5900	-
2.4	0.37	13	265	0.89	112.3	IE1	**BF10-../SSE06MA4**	1.3	4.4	8.9	13	16	200	220	245	265	265	23	5900	-
2.4	0.37	12	295	0.81	123.5	IE1	**BF10-../SSE06MA4**	1.2	4	8	12	14.5	220	245	270	295	295	23	6100	-
2.4	0.37	12	295	0.81	123.5	IE4	**BF10-../S4E06LA4**	1.2	4	8	12	14.5	295	295	295	295	295	23	6100	-
2.4	0.37	25.5	139	3	58.24	IE4	**BF20-../S4E06LA4**	2.5	8.5	17	25.5	30.5	139	139	139	139	139	30	5600	-
2.4	0.37	25.5	139	3	58.24	IE1	**BF20-../SSE06MA4**	2.5	8.5	17	25.5	30.5	104	116	128	139	139	30	5600	-
2.4	0.37	23	153	2.7	64.08	IE4	**BF20-../S4E06LA4**	2.3	7.8	15.5	23	28	153	153	153	153	153	30	5900	-
2.4	0.37	23	153	2.7	64.08	IE1	**BF20-../SSE06MA4**	2.3	7.8	15.5	23	28	115	128	140	153	153	30	5900	-
2.4	0.37	21.5	167	2.5	69.7	IE1	**BF20-../SSE06MA4**	2.1	7.1	14	21.5	25.5	125	139	153	167	167	30	6100	-
2.4	0.37	21.5	167	2.5	69.7	IE4	**BF20-../S4E06LA4**	2.1	7.1	14	21.5	25.5	167	167	167	167	167	30	6100	-
2.4	0.37	19.5	184	2.3	76.69	IE4	**BF20-../S4E06LA4**	1.9	6.5	13	19.5	23	184	184	184	184	184	30	6300	-
2.4	0.37	19.5	184	2.3	76.69	IE1	**BF20-../SSE06MA4**	1.9	6.5	13	19.5	23	138	153	168	184	184	30	6300	-
2.4	0.37	17	205	2	87.31	IE1	**BF20-../SSE06MA4**	1.7	5.7	11	17	20.5	157	174	192	205	205	30	6600	-
2.4	0.37	17	205	2	87.31	IE4	**BF20-../S4E06LA4**	1.7	5.7	11	17	20.5	205	205	205	205	205	30	6600	-
2.4	0.37	15.5	230	1.8	96.08	IE4	**BF20-../S4E06LA4**	1.5	5.2	10	15.5	18.5	230	230	230	230	230	30	6900	-
2.4	0.37	15.5	230	1.8	96.08	IE1	**BF20-../SSE06MA4**	1.5	5.2	10	15.5	18.5	172	192	210	230	230	30	6900	-
2.4	0.37	14.5	240	1.7	100.2	IE4	**BF20-../S4E06LA4**	1.4	4.9	9.9	14.5	17.5	240	240	240	240	240	30	7000	-
2.4	0.37	14.5	240	1.7	100.2	IE1	**BF20-../SSE06MA4**	1.4	4.9	9.9	14.5	17.5	180	200	220	240	240	30	7000	-
2.4	0.37	13.5	260	1.6	110.2	IE4	**BF20-../S4E06LA4**	1.3	4.5	9	13.5	16	260	260	260	260	260	30	7300	-
2.4	0.37	13.5	260	1.6	110.2	IE1	**BF20-../SSE06MA4**	1.3	4.5	9	13.5	16	198	220	240	260	260	30	7300	-
2.4	0.37	12	295	1.4	123.5	IE4	**BF20-../S4E06LA4**	1.2	4	8	12	14.5	295	295	295	295	295	30	7600	-
2.4	0.37	12	295	1.4	123.5	IE1	**BF20-../SSE06MA4**	1.2	4	8	12	14.5	220	245	270	295	295	30	7600	-
2.4	0.37	11	325	1.3	135.9	IE4	**BF20-../S4E06LA4**	1.1	3.6	7.3	11	13	325	325	325	325	325	30	7900	-
2.4	0.37	11	325	1.3	135.9	IE1	**BF20-../SSE06MA4**	1.1	3.6	7.3	11	13	240	270	295	325	325	30	7900	-
2.4	0.37	10.5	335	1.2	141.2	IE1	**BF20Z-../SSE06MA4**	1	3.5	7	10.5	12.5	250	280	310	335	335	31	7900	-
2.4	0.37	10.5	335	1.2	141.2	IE4	**BF20Z-../S4E06LA4**	1	3.5	7	10.5	12.5	335	335	335	335	335	31	7900	-
2.4	0.37	9.6	370	1.1	155.4	IE4	**BF20Z-../S4E06LA4**	0.95	3.2	6.4	9.6	11.5	370	370	370	370	370	31	7900	-
2.4	0.37	9.6	370	1.1	155.4	IE1	**BF20Z-../SSE06MA4**	0.95	3.2	6.4	9.6	11.5	275	310	340	370	370	31	7900	-
2.4	0.37	9.1	390	1.1	164.3	IE1	**BF20Z-../SSE06MA4**	0.9	3	6	9.1	10.5	295	325	360	390	390	31	7900	-
2.4	0.37	9.1	390	1.1	164.3	IE4	**BF20Z-../S4E06LA4**	0.9	3	6	9.1	10.5	390	390	390	390	390	31	7900	-
2.4	0.37	8.2	430	0.97	180.8	IE4	**BF20Z-../S4E06LA4**	0.8	2.7	5.5	8.2	9.9	430	430	430	430	430	31	7900	-
2.4	0.37	8.2	430	0.97	180.8	IE1	**BF20Z-../SSE06MA4**	0.8	2.7	5.5	8.2	9.9	325	360	395	430	430	31	7900	-
2.4	0.37	7.6	470	0.89	197.1	IE4	**BF20Z-../S4E06LA4**	0.75	2.5	5	7.6	9.1	470	470	470	470	470	31	7900	-
2.4	0.37	7.6	470	0.89	197.1	IE1	**BF20Z-../SSE06MA4**	0.75	2.5	5	7.6	9.1	350	390	430	470	470	31	7900	-
2.4	0.37	6.9	520	0.81	216.9	IE1	**BF20Z-../SSE06MA4**	0.65	2.3	4.6	6.9	8.2	390	430	475	520	520	31	7900	-
2.4	0.37	6.9	520	0.81	216.9	IE4	**BF20Z-../S4E06LA4**	0.65	2.3	4.6	6.9	8.2	520	520	520	520	520	31	7900	-
2.4	0.37	18.5	190	3	79.34	IE1	**BF30-../SSE06MA4**	1.8	6.3	12.5	18.5	22.5	142	158	174	190	190	40	5900	-
2.4	0.37	18.5	190	3	79.34	IE4	**BF30-../S4E06LA4**	1.8	6.3	12.5	18.5	22.5	190	190	190	190	190	40	5900	-
2.4	0.37	17	205	2.7	87.08	IE1	**BF30-../SSE06MA4**	1.7	5.7	11	17	20.5	156	174	191	205	205	40	6200	-
2.4	0.37	17	205	2.7	87.08	IE4	**BF30-../S4E06LA4**	1.7	5.7	11	17	20.5	205	205	205	205	205	40	6200	-
2.4	0.37	15.5	225	2.5	95.79	IE1	**BF30-../SSE06MA4**	1.5	5.2	10	15.5	18.5	172	191	210	225	225	40	6400	-
2.4	0.37	15.5	225	2.5	95.79	IE4	**BF30-../S4E06LA4**	1.5	5.2	10	15.5	18.5	225	225	225	225	225	40	6400	-
2.4	0.37	13.5	255	2.2	107.6	IE4	**BF30-../S4E06LA4**	1.3	4.6	9.2	13.5	16.5	255	255	255	255	255	40	6700	-
2.4	0.37	13.5	255	2.2	107.6	IE1	**BF30-../SSE06MA4**	1.3	4.6	9.2	13.5	16.5	193	215	235	255	255	40	6700	-
2.4	0.37	12.5	280	2	118.3	IE1	**BF30-../SSE06MA4**	1.2	4.2	8.4	12.5	15	210	235	260	280	280	40	7000	-
2.4	0.37	12.5	280	2	118.3	IE4	**BF30-../S4E06LA4**	1.2	4.2	8.4	12.5	15	280	280	280	280	280	40	7000	-
2.4	0.37	12	295	1.9	124.7	IE4	**BF30-../S4E06LA4**	1.2	4	8	12	14	295	295	295	295	295	40	7100	-
2.4	0.37	12	295	1.9	124.7	IE1	**BF30-../SSE06MA4**	1.2	4	8	12	14	220	245	270	295	295	40	7100	-
2.4	0.37	10.5	325	1.7	137.1	IE1	**BF30-../SSE06MA4**	1	3.6	7.2	10.5	13	245	270	300	325	325	40	7400	-
2.4	0.37	10.5	325	1.7	137.1	IE4	**BF30-../S4E06LA4**	1	3.6	7.2	10.5	13	325	325	325	325	325	40	7400	-
2.4	0.37	9.9	360	1.6	150.7	IE4	**BF30Z-../S4E06LA4**	0.95	3.3	6.6	9.9	11.5	360	360	360	360	360	42	7400	-
2.4	0.37	9.9	360	1.6	150.7	IE1	**BF30Z-../SSE06MA4**	0.95	3.3	6.6	9.9	11.5	270	300	330	360	360	42	7400	-
2.4	0.37	9	395	1.4	165.8	IE4	**BF30Z-../S4E06LA4**	0.9	3	6	9	10.5	395	395	395	395	395	42	7400	-
2.4	0.37	9	395	1.4	165.8	IE1	**BF30Z-../SSE06MA4**	0.9	3	6	9	10.5	295	330	360	395	395	42	7400	-
2.4	0.37	8.4	420	1.3	176.6	IE4	**BF30Z-../S4E06LA4**	0.8	2.8	5.6	8.4	10	420	420	420	420	420	42	7400	-
2.4	0.37	8.4	420	1.3	176.6	IE1	**BF30Z-../SSE06MA4**	0.8	2.8	5.6	8.4	10	315	350	385	420	420	42	7400	-
2.4	0.37	7.7	465	1.2	194.3	IE1	**BF30Z-../SSE06MA4**	0.75	2.5	5.1	7.7	9.2	345	385	425	465	465	42	7400	-
2.4	0.37	7.7	465	1.2	194.3	IE4	**BF30Z-../S4E06LA4**	0.75	2.5	5.1	7.7	9.2	465	465	465	465	465	42	7400	-
2.4	0.37	6.6	530	1.1	224.8	IE4	**BF30Z-../S4E06LA4**	0.65	2.2	4.4	6.6	8	530	530	530	530	530	42	7400	-
2.4	0.37	6.6	530	1.1	224.8	IE1	**BF30Z-../SSE06MA4**	0.65	2.2	4.4	6.6	8	400	445	490	530	530	42	7400	-
2.4	0.37	6	590	0.96	247.3	IE4	**BF30Z-../S4E06LA4**	0.6	2	4	6	7.2	590	590	590	590	590	42	7400	-
2.4	0.37	6	590	0.96	247.3	IE1	**BF30Z-../SSE06MA4**	0.6	2	4	6	7.2	445	490	540	590	590	42	7400	-
2.4	0.37	5.6	630	0.9	263.5	IE1	**BF30Z-../SSE06MA4**	0.55	1.8	3.7	5.6	6.8	470	520	570	630	630	42	7400	-
2.4	0.37	5.6	630	0.9	263.5	IE4	**BF30Z-../S4E06LA4**	0.55	1.8	3.7	5.6	6.8	630	630	630	630	630	42	7400	-
2.4	0.37	5.1	690	0.82	289.8	IE1	**BF30Z-../SSE06MA4**	0.5	1.7	3.4	5.1	6.2	520	570	630	690	690	42	7400	-
2.4	0.37	5.1	690	0.82	289.8	IE4	**BF30Z-../S4E06LA4**	0.5	1.7	3.4	5.1	6.2	690	690	690	690	690	42	7400	-
2.4	0.37	10.5	335	2.7	141.4	IE4	**BF40Z-../S4E06LA4**	1	3.5	7	10.5	12.5	335	335	335	335	335	53	10600	-
2.4	0.37	10.5	335	2.7	141.4	IE1	**BF40Z-../SSE06MA4**	1	3.5	7	10.5	12.5	250	280	310	335	335	53	10600	-

MN = 2.4 Nm (PN = 0.37 kW)



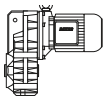
M_N	P_N	n_2	M_2	f_B	i	IE-Classe	**Type**	Speed range n_2 [1/min] at motor speed n_1 [1/min]					Torque range M_2 [Nm] at motor speed n_1 [1/min]					m	F_{RN}	F_{RV}
[Nm]	[kW]	[1/min]	[Nm]	[--]	[:1]			150	500	1000	1500	1800	150	500	1000	1500	1800	[kg]	[N]	[N]
2.4	0.37	9.6	370	2.4	155.6	IE1	**BF40Z-../SSE06MA4**	0.95	3.2	6.4	9.6	11.5	280	310	340	370	370	53	10600	-
2.4	0.37	9.6	370	2.4	155.6	IE4	**BF40Z-../S4E06LA4**	0.95	3.2	6.4	9.6	11.5	370	370	370	370	370	53	10600	-
2.4	0.37	8.7	410	2.2	171.2	IE4	**BF40Z-../S4E06LA4**	0.85	2.9	5.8	8.7	10.5	410	410	410	410	410	53	10600	-
2.4	0.37	8.7	410	2.2	171.2	IE1	**BF40Z-../SSE06MA4**	0.85	2.9	5.8	8.7	10.5	305	340	375	410	410	53	10600	-
2.4	0.37	7.9	450	2	188.3	IE4	**BF40Z-../S4E06LA4**	0.75	2.6	5.3	7.9	9.5	450	450	450	450	450	53	10600	-
2.4	0.37	7.9	450	2	188.3	IE1	**BF40Z-../SSE06MA4**	0.75	2.6	5.3	7.9	9.5	335	375	410	450	450	53	10600	-
2.4	0.37	7.4	485	1.9	202.2	IE4	**BF40Z-../S4E06LA4**	0.7	2.4	4.9	7.4	8.9	485	485	485	485	485	53	10600	-
2.4	0.37	7.4	485	1.9	202.2	IE1	**BF40Z-../SSE06MA4**	0.7	2.4	4.9	7.4	8.9	360	400	440	485	485	53	10600	-
2.4	0.37	6.7	530	1.7	222.4	IE4	**BF40Z-../S4E06LA4**	0.65	2.2	4.4	6.7	8	530	530	530	530	530	53	10600	-
2.4	0.37	6.7	530	1.7	222.4	IE1	**BF40Z-../SSE06MA4**	0.65	2.2	4.4	6.7	8	400	440	485	530	530	53	10600	-
2.4	0.37	5.9	600	1.5	253.2	IE4	**BF40Z-../S4E06LA4**	0.55	1.9	3.9	5.9	7.1	600	600	600	600	600	53	10600	-
2.4	0.37	5.9	600	1.5	253.2	IE1	**BF40Z-../SSE06MA4**	0.55	1.9	3.9	5.9	7.1	455	500	550	600	600	53	10600	-
2.4	0.37	5.3	660	1.3	278.5	IE4	**BF40Z-../S4E06LA4**	0.5	1.7	3.5	5.3	6.4	660	660	660	660	660	53	10600	-
2.4	0.37	5.3	660	1.3	278.5	IE1	**BF40Z-../SSE06MA4**	0.5	1.7	3.5	5.3	6.4	500	550	610	660	660	53	10600	-
2.4	0.37	5	700	1.3	295.1	IE4	**BF40Z-../S4E06LA4**	0.5	1.6	3.3	5	6	700	700	700	700	700	53	10600	-
2.4	0.37	5	700	1.3	295.1	IE1	**BF40Z-../SSE06MA4**	0.5	1.6	3.3	5	6	530	590	640	700	700	53	10600	-
2.4	0.37	4.6	770	1.2	324.7	IE4	**BF40Z-../S4E06LA4**	0.46	1.5	3	4.6	5.5	770	770	770	770	770	53	10600	-
2.4	0.37	4.6	770	1.2	324.7	IE1	**BF40Z-../SSE06MA4**	0.46	1.5	3	4.6	5.5	580	640	710	770	770	53	10600	-
2.4	0.37	4.3	830	1.1	346.8	IE1	**BF40Z-../SSE06MA4**	0.43	1.4	2.8	4.3	5.1	620	690	760	830	830	53	10600	-
2.4	0.37	4.3	830	1.1	346.8	IE4	**BF40Z-../S4E06LA4**	0.43	1.4	2.8	4.3	5.1	830	830	830	830	830	53	10600	-
2.4	0.37	3.9	910	0.98	381.5	IE4	**BF40Z-../S4E06LA4**	0.39	1.3	2.6	3.9	4.7	910	910	910	910	910	53	10600	-
2.4	0.37	3.9	910	0.98	381.5	IE1	**BF40Z-../SSE06MA4**	0.39	1.3	2.6	3.9	4.7	680	760	830	910	910	53	10600	-
2.4	0.37	3.5	1000	0.9	417.3	IE1	**BF40Z-../SSE06MA4**	0.35	1.1	2.3	3.5	4.3	750	830	910	1000	1000	53	10600	-
2.4	0.37	3.5	1000	0.9	417.3	IE4	**BF40Z-../S4E06LA4**	0.35	1.1	2.3	3.5	4.3	1000	1000	1000	1000	1000	53	10600	-
2.4	0.37	3.2	1100	0.82	459.1	IE1	**BF40Z-../SSE06MA4**	0.32	1	2.1	3.2	3.9	820	910	1010	1100	1100	53	10600	-
2.4	0.37	3.2	1100	0.82	459.1	IE4	**BF40Z-../S4E06LA4**	0.32	1	2.1	3.2	3.9	1100	1100	1100	1100	1100	53	10600	-
2.4	0.37	8.1	440	3	183.5	IE4	**BF50Z-../S4E06LA4**	0.8	2.7	5.4	8.1	9.8	440	440	440	440	440	82	13600	-
2.4	0.37	8.1	440	3	183.5	IE1	**BF50Z-../SSE06MA4**	0.8	2.7	5.4	8.1	9.8	330	365	400	440	440	82	13600	-
2.4	0.37	7.3	490	2.6	205.2	IE4	**BF50Z-../S4E06LA4**	0.7	2.4	4.8	7.3	8.7	490	490	490	490	490	82	13600	-
2.4	0.37	7.3	490	2.6	205.2	IE1	**BF50Z-../SSE06MA4**	0.7	2.4	4.8	7.3	8.7	365	410	450	490	490	82	13600	-
2.4	0.37	6	590	2.2	247.5	IE1	**BF50Z-../SSE06MA4**	0.6	2	4	6	7.2	445	495	540	590	590	82	13600	-
2.4	0.37	6	590	2.2	247.5	IE4	**BF50Z-../S4E06LA4**	0.6	2	4	6	7.2	590	590	590	590	590	82	13600	-
2.4	0.37	5.4	660	2	276.8	IE4	**BF50Z-../S4E06LA4**	0.5	1.8	3.6	5.4	6.5	660	660	660	660	660	82	13600	-
2.4	0.37	5.4	660	2	276.8	IE1	**BF50Z-../SSE06MA4**	0.5	1.8	3.6	5.4	6.5	495	550	600	660	660	82	13600	-
2.4	0.37	4.7	750	1.7	316.6	IE4	**BF50Z-../S4E06LA4**	0.47	1.5	3.1	4.7	5.6	750	750	750	750	750	82	13600	-
2.4	0.37	4.7	750	1.7	316.6	IE1	**BF50Z-../SSE06MA4**	0.47	1.5	3.1	4.7	5.6	560	630	690	750	750	82	13600	-
2.4	0.37	4.2	840	1.5	354	IE1	**BF50Z-../SSE06MA4**	0.42	1.4	2.8	4.2	5	630	700	770	840	840	82	13600	-
2.4	0.37	4.2	840	1.5	354	IE4	**BF50Z-../S4E06LA4**	0.42	1.4	2.8	4.2	5	840	840	840	840	840	82	13600	-
2.4	0.37	3.8	940	1.4	392.8	IE1	**BF50Z-../SSE06MA4**	0.38	1.2	2.5	3.8	4.5	700	780	860	940	940	82	13600	-
2.4	0.37	3.8	940	1.4	392.8	IE4	**BF50Z-../S4E06LA4**	0.38	1.2	2.5	3.8	4.5	940	940	940	940	940	82	13600	-
2.4	0.37	3.4	1050	1.2	439.3	IE4	**BF50Z-../S4E06LA4**	0.34	1.1	2.2	3.4	4	1050	1050	1050	1050	1050	82	13600	-
2.4	0.37	3.4	1050	1.2	439.3	IE1	**BF50Z-../SSE06MA4**	0.34	1.1	2.2	3.4	4	790	870	960	1050	1050	82	13600	-
2.4	0.37	3	1190	1.1	496.4	IE1	**BF50Z-../SSE06MA4**	0.3	1	2	3	3.6	890	990	1090	1190	1190	82	13600	-
2.4	0.37	3	1190	1.1	496.4	IE4	**BF50Z-../S4E06LA4**	0.3	1	2	3	3.6	1190	1190	1190	1190	1190	82	13600	-
2.4	0.37	2.7	1330	0.98	555.2	IE4	**BF50Z-../S4E06LA4**	0.27	0.9	1.8	2.7	3.2	1330	1330	1330	1330	1330	82	13600	-
2.4	0.37	2.7	1330	0.98	555.2	IE1	**BF50Z-../SSE06MA4**	0.27	0.9	1.8	2.7	3.2	990	1110	1220	1330	1330	82	13600	-
2.4	0.37	2.6	1330	1	555.9	IE1	**BF50G10-../SSE06MA4**	0.26	0.85	1.7	2.6	3.2	1000	1110	1220	1330	1330	86	13600	-
2.4	0.37	2.6	1330	1	555.9	IE4	**BF50G10-../S4E06LA4**	0.26	0.85	1.7	2.6	3.2	1330	1330	1330	1330	1330	86	13600	-
2.4	0.37	2.2	1630	0.86	680.9	IE4	**BF50G10-../S4E06LA4**	0.22	0.7	1.4	2.2	2.6	1630	1630	1630	1630	1630	86	13600	-
2.4	0.37	2.2	1630	0.86	680.9	IE1	**BF50G10-../SSE06MA4**	0.22	0.7	1.4	2.2	2.6	1220	1360	1490	1630	1630	86	13600	-
2.4	0.37	2.6	1360	1.8	569.3	IE4	**BF60G20-../S4E06LA4**	0.26	0.85	1.7	2.6	3.1	1360	1360	1360	1360	1360	134	15300	43300
2.4	0.37	2.6	1360	1.8	569.3	IE1	**BF60G20-../SSE06MA4**	0.26	0.85	1.7	2.6	3.1	1020	1130	1250	1360	1360	134	15300	43300
2.4	0.37	2.1	1650	1.5	689	IE1	**BF60G20-../SSE06MA4**	0.21	0.7	1.4	2.1	2.6	1240	1370	1510	1650	1650	134	15300	43300
2.4	0.37	2.1	1650	1.5	689	IE4	**BF60G20-../S4E06LA4**	0.21	0.7	1.4	2.1	2.6	1650	1650	1650	1650	1650	134	15300	43300
2.4	0.37	1.8	1950	1.3	813.2	IE1	**BF60G20-../SSE06MA4**	0.18	0.6	1.2	1.8	2.2	1460	1620	1780	1950	1950	134	15300	43300
2.4	0.37	1.8	1950	1.3	813.2	IE4	**BF60G20-../S4E06LA4**	0.18	0.6	1.2	1.8	2.2	1950	1950	1950	1950	1950	134	15300	43300
2.4	0.37	1.5	2250	1.1	937.6	IE1	**BF60G20-../SSE06MA4**	0.15	0.5	1	1.5	1.9	1680	1870	2050	2250	2250	134	15300	43300
2.4	0.37	1.5	2250	1.1	937.6	IE4	**BF60G20-../S4E06LA4**	0.15	0.5	1	1.5	1.9	2250	2250	2250	2250	2250	134	15300	43300
2.4	0.37	1.2	2900	0.86	1211	IE4	**BF60G20-../S4E06LA4**	0.12	0.41	0.8	1.2	1.4	2900	2900	2900	2900	2900	134	15300	43300
2.4	0.37	1.2	2900	0.86	1211	IE1	**BF60G20-../SSE06MA4**	0.12	0.41	0.8	1.2	1.4	2150	2400	2650	2900	2900	134	15300	43300
2.4	0.37	1.7	2050	2.7	872.1	IE4	**BF70G20-../S4E06LA4**	0.17	0.55	1.1	1.7	2	2050	2050	2050	2050	2050	212	16100	47700
2.4	0.37	1.7	2050	2.7	872.1	IE1	**BF70G20-../SSE06MA4**	0.17	0.55	1.1	1.7	2	1560	1740	1910	2050	2050	212	16100	47700
2.4	0.37	1.4	2400	2.3	1017	IE4	**BF70G20-../S4E06LA4**	0.14	0.49	0.95	1.4	1.7	2400	2400	2400	2400	2400	212	16100	47700
2.4	0.37	1.4	2400	2.3	1017	IE1	**BF70G20-../SSE06MA4**	0.14	0.49	0.95	1.4	1.7	1830	2000	2200	2400	2400	212	16100	47700
2.4	0.37	1	3300	1.7	1390	IE4	**BF70G20-../S4E06LA4**	0.1	0.35	0.7	1	1.2	3300	3300	3300	3300	3300	212	16100	47700
2.4	0.37	1	3300	1.7	1390	IE1	**BF70G20-../SSE06MA4**	0.1	0.35	0.7	1	1.2	2500	2750	3050	3300	3300	212	16100	47700
2.4	0.37	0.9	3850	1.5	1621	IE4	**BF70G20-../S4E06LA4**	0.09	0.3	0.6	0.9	1.1	3850	3850	3850	3850	3850	212	16100	47700
2.4	0.37	0.9	3850	1.5	1621	IE1	**BF70G20-../SSE06MA4**	0.09	0.3	0.6	0.9	1.1	2900	3200	3550	3850	3850	212	16100	47700
2.4	0.37	0.75	4550	1.2	1912	IE1	**BF70G20-../SSE06MA4**	0.075	0.26	0.5	0.75	0.9	3400	3800	4200	4550	4550	212	16100	47700
2.4	0.37	0.75	4550	1.2	1912	IE4	**BF70G20-../S4E06LA4**	0.075	0.26	0.5	0.75	0.9	4550	4550	4550	4550	4550	212	16100	47700
2.4	0.37	0.6	5800	0.97	2448	IE1	**BF70G20-../SSE06MA4**	0.06	0.2	0.4	0.6	0.7	4400	4850	5300	5800	5800	212	16100	47700
2.4	0.37	0.6	5800	0.97	2448	IE4	**BF70G20-../S4E06LA4**	0.06	0.2	0.4	0.6	0.7	5800	5800	5800	5800	5800	212	16100	47700
2.4	0.37	0.5	6800	0.83	2849	IE1	**BF70G20-../SSE06MA4**	0.05	0.17	0.35	0.5	0.6	5100	5600	6200	6800	6800	212	16100	47700
2.4	0.37	0.5	6800	0.83	2849	IE4	**BF70G20-../S4E06LA4**	0.05	0.17	0.35	0.5	0.6	6800	6800	6800	6800	6800	212	16100	47700

MN = 2.6 Nm (PN = 0.4 kW)



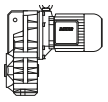
M_N	P_N	n_2	M_2	f_B	i	IE-Classe	Type	Speed range n_2 [1/min] at motor speed n_1 [1/min]					Torque range M_2 [Nm] at motor speed n_1 [1/min]					m	F_{RN}	F_{RV}
[Nm]	[kW]	[1/min]	[Nm]	[--]	[:1]			150	500	1000	1500	1800	150	500	1000	1500	1800	[kg]	[N]	[N]
2.6	0.4	162	23.5	2.9	9.21	IE4	**BF06-../S4E06LA4**	16	54	108	162	195	23	23.5	23.5	23.5	23.5	12	1900	-
2.6	0.4	124	31	2.4	12.07	IE4	**BF06-../S4E06LA4**	12	41	82	124	149	30	31	31	31	31	12	2000	-
2.6	0.4	105	36.5	2.3	14.21	IE4	**BF06-../S4E06LA4**	10.5	35	70	105	126	35.5	36.5	36.5	36.5	36.5	12	2100	-
2.6	0.4	88	44	2.2	16.99	IE4	**BF06-../S4E06LA4**	8.8	29	58	88	105	42	44	44	44	44	12	2500	-
2.6	0.4	73	53	1.8	20.42	IE4	**BF06-../S4E06LA4**	7.3	24	48.5	73	88	51	53	53	53	53	12	2700	-
2.6	0.4	56	69	1.4	26.76	IE4	**BF06-../S4E06LA4**	5.6	18.5	37	56	67	66	69	69	69	69	12	3000	-
2.6	0.4	47.5	81	1.2	31.5	IE4	**BF06-../S4E06LA4**	4.7	15.5	31.5	47.5	57	78	81	81	81	81	12	3200	-
2.6	0.4	39.5	97	0.97	37.69	IE4	**BF06-../S4E06LA4**	3.9	13	26.5	39.5	47.5	94	97	97	97	97	12	3500	-
2.6	0.4	47.5	81	2.9	31.31	IE4	**BF10-../S4E06LA4**	4.7	15.5	31.5	47.5	57	78	81	81	81	81	23	3600	-
2.6	0.4	41	93	2.6	36.15	IE4	**BF10-../S4E06LA4**	4.1	13.5	27.5	41	49.5	90	93	93	93	93	23	3800	-
2.6	0.4	37.5	103	2.3	39.75	IE4	**BF10-../S4E06LA4**	3.7	12.5	25	37.5	45	99	103	103	103	103	23	3950	-
2.6	0.4	34.5	111	2.1	43.06	IE4	**BF10-../S4E06LA4**	3.4	11.5	23	34.5	41.5	107	111	111	111	111	23	4100	-
2.6	0.4	31.5	123	1.9	47.35	IE4	**BF10-../S4E06LA4**	3.1	10.5	21	31.5	38	118	123	123	123	123	23	4250	-
2.6	0.4	29	133	1.8	51.28	IE4	**BF10-../S4E06LA4**	2.9	9.7	19.5	29	35	128	133	133	133	133	23	4400	-
2.6	0.4	26.5	146	1.6	56.39	IE4	**BF10-../S4E06LA4**	2.6	8.8	17.5	26.5	31.5	140	146	146	146	146	23	4550	-
2.6	0.4	24	160	1.5	61.55	IE4	**BF10-../S4E06LA4**	2.4	8.1	16	24	29	153	160	160	160	160	23	4700	-
2.6	0.4	22	175	1.4	67.69	IE4	**BF10-../S4E06LA4**	2.2	7.3	14.5	22	26.5	169	175	175	175	175	23	4900	-
2.6	0.4	19	200	1.2	77.55	IE4	**BF10-../S4E06LA4**	1.9	6.4	12.5	19	23	193	200	200	200	200	23	5100	-
2.6	0.4	17.5	220	1.1	85.27	IE4	**BF10-../S4E06LA4**	1.7	5.8	11.5	17.5	21	210	220	220	220	220	23	5300	-
2.6	0.4	16	235	1	90.91	IE4	**BF10-../S4E06LA4**	1.6	5.4	10.5	16	19.5	225	235	235	235	235	23	5400	-
2.6	0.4	15	255	0.92	99.97	IE4	**BF10-../S4E06LA4**	1.5	5	10	15	18	245	255	255	255	255	23	5600	-
2.6	0.4	13	290	0.82	112.3	IE4	**BF10-../S4E06LA4**	1.3	4.4	8.9	13	16	280	290	290	290	290	23	5900	-
2.6	0.4	28	138	3	53.43	IE4	**BF20-../S4E06LA4**	2.8	9.3	18.5	28	33.5	133	138	138	138	138	30	5500	-
2.6	0.4	25.5	151	2.8	58.24	IE4	**BF20-../S4E06LA4**	2.5	8.5	17	25.5	30.5	145	151	151	151	151	30	5600	-
2.6	0.4	23	166	2.5	64.08	IE4	**BF20-../S4E06LA4**	2.3	7.8	15.5	23	28	160	166	166	166	166	30	5900	-
2.6	0.4	21.5	181	2.3	69.7	IE4	**BF20-../S4E06LA4**	2.1	7.1	14	21.5	25.5	174	181	181	181	181	30	6100	-
2.6	0.4	19.5	199	2.1	76.69	IE4	**BF20-../S4E06LA4**	1.9	6.5	13	19.5	23	191	199	199	199	199	30	6300	-
2.6	0.4	17	225	1.9	87.31	IE4	**BF20-../S4E06LA4**	1.7	5.7	11	17	20.5	215	225	225	225	225	30	6600	-
2.6	0.4	15.5	245	1.7	96.08	IE4	**BF20-../S4E06LA4**	1.5	5.2	10	15.5	18.5	240	245	245	245	245	30	6900	-
2.6	0.4	14.5	260	1.6	100.2	IE4	**BF20-../S4E06LA4**	1.4	4.9	9.9	14.5	17.5	250	260	260	260	260	30	7000	-
2.6	0.4	13.5	285	1.5	110.2	IE4	**BF20-../S4E06LA4**	1.3	4.5	9	13.5	16	275	285	285	285	285	30	7300	-
2.6	0.4	12	320	1.3	123.5	IE4	**BF20-../S4E06LA4**	1.2	4	8	12	14.5	305	320	320	320	320	30	7600	-
2.6	0.4	11	350	1.2	135.9	IE4	**BF20-../S4E06LA4**	1.1	3.6	7.3	11	13	335	350	350	350	350	30	7900	-
2.6	0.4	10.5	365	1.1	141.2	IE4	**BF20Z-../S4E06LA4**	1	3.5	7	10.5	12.5	350	365	365	365	365	31	7900	-
2.6	0.4	9.6	400	1	155.4	IE4	**BF20Z-../S4E06LA4**	0.95	3.2	6.4	9.6	11.5	385	400	400	400	400	31	7900	-
2.6	0.4	9.1	425	0.98	164.3	IE4	**BF20Z-../S4E06LA4**	0.9	3	6	9.1	10.5	410	425	425	425	425	31	7900	-
2.6	0.4	8.2	470	0.89	180.8	IE4	**BF20Z-../S4E06LA4**	0.8	2.7	5.5	8.2	9.9	450	470	470	470	470	31	7900	-
2.6	0.4	7.6	510	0.82	197.1	IE4	**BF20Z-../S4E06LA4**	0.75	2.5	5	7.6	9.1	490	510	510	510	510	31	7900	-
2.6	0.4	20.5	187	3	72.13	IE4	**BF30-../S4E06LA4**	2	6.9	13.5	20.5	24.5	180	187	187	187	187	40	5700	-
2.6	0.4	18.5	205	2.8	79.34	IE4	**BF30-../S4E06LA4**	1.8	6.3	12.5	18.5	22.5	198	205	205	205	205	40	5900	-
2.6	0.4	17	225	2.5	87.08	IE4	**BF30-../S4E06LA4**	1.7	5.7	11	17	20.5	215	225	225	225	225	40	6200	-
2.6	0.4	15.5	245	2.3	95.79	IE4	**BF30-../S4E06LA4**	1.5	5.2	10	15.5	18.5	235	245	245	245	245	40	6400	-
2.6	0.4	13.5	275	2	107.6	IE4	**BF30-../S4E06LA4**	1.3	4.6	9.2	13.5	16.5	265	275	275	275	275	40	6700	-
2.6	0.4	12.5	305	1.9	118.3	IE4	**BF30-../S4E06LA4**	1.2	4.2	8.4	12.5	15	295	305	305	305	305	40	7000	-
2.6	0.4	12	320	1.8	124.7	IE4	**BF30-../S4E06LA4**	1.2	4	8	12	14	310	320	320	320	320	40	7100	-
2.6	0.4	10.5	355	1.6	137.1	IE4	**BF30-../S4E06LA4**	1	3.6	7.2	10.5	13	340	355	355	355	355	40	7400	-
2.6	0.4	9.9	390	1.5	150.7	IE4	**BF30Z-../S4E06LA4**	0.95	3.3	6.6	9.9	11.5	375	390	390	390	390	42	7400	-
2.6	0.4	9	430	1.3	165.8	IE4	**BF30Z-../S4E06LA4**	0.9	3	6	9	10.5	410	430	430	430	430	42	7400	-
2.6	0.4	8.4	455	1.2	176.6	IE4	**BF30Z-../S4E06LA4**	0.8	2.8	5.6	8.4	10	440	455	455	455	455	42	7400	-
2.6	0.4	7.7	500	1.1	194.3	IE4	**BF30Z-../S4E06LA4**	0.75	2.5	5.1	7.7	9.2	485	500	500	500	500	42	7400	-
2.6	0.4	6.6	580	0.98	224.8	IE4	**BF30Z-../S4E06LA4**	0.65	2.2	4.4	6.6	8	560	580	580	580	580	42	7400	-
2.6	0.4	6	640	0.89	247.3	IE4	**BF30Z-../S4E06LA4**	0.6	2	4	6	7.2	610	640	640	640	640	42	7400	-
2.6	0.4	5.6	680	0.83	263.5	IE4	**BF30Z-../S4E06LA4**	0.55	1.8	3.7	5.6	6.8	650	680	680	680	680	42	7400	-
2.6	0.4	10.5	365	2.4	141.4	IE4	**BF40Z-../S4E06LA4**	1	3.5	7	10.5	12.5	350	365	365	365	365	53	10600	-
2.6	0.4	9.6	400	2.2	155.6	IE4	**BF40Z-../S4E06LA4**	0.95	3.2	6.4	9.6	11.5	385	400	400	400	400	53	10600	-
2.6	0.4	8.7	445	2	171.2	IE4	**BF40Z-../S4E06LA4**	0.85	2.9	5.8	8.7	10.5	425	445	445	445	445	53	10600	-
2.6	0.4	7.9	485	1.8	188.3	IE4	**BF40Z-../S4E06LA4**	0.75	2.6	5.3	7.9	9.5	470	485	485	485	485	53	10600	-
2.6	0.4	7.4	520	1.7	202.2	IE4	**BF40Z-../S4E06LA4**	0.7	2.4	4.9	7.4	8.9	500	520	520	520	520	53	10600	-
2.6	0.4	6.7	570	1.6	222.4	IE4	**BF40Z-../S4E06LA4**	0.65	2.2	4.4	6.7	8	550	570	570	570	570	53	10600	-
2.6	0.4	5.9	650	1.4	253.2	IE4	**BF40Z-../S4E06LA4**	0.55	1.9	3.9	5.9	7.1	630	650	650	650	650	53	10600	-
2.6	0.4	5.3	720	1.2	278.5	IE4	**BF40Z-../S4E06LA4**	0.5	1.7	3.5	5.3	6.4	690	720	720	720	720	53	10600	-
2.6	0.4	5	760	1.2	295.1	IE4	**BF40Z-../S4E06LA4**	0.5	1.6	3.3	5	6	730	760	760	760	760	53	10600	-
2.6	0.4	4.6	840	1.1	324.7	IE4	**BF40Z-../S4E06LA4**	0.46	1.5	3	4.6	5.5	810	840	840	840	840	53	10600	-
2.6	0.4	4.3	900	1	346.8	IE4	**BF40Z-../S4E06LA4**	0.43	1.4	2.8	4.3	5.1	860	900	900	900	900	53	10600	-
2.6	0.4	3.9	990	0.91	381.5	IE4	**BF40Z-../S4E06LA4**	0.39	1.3	2.6	3.9	4.7	950	990	990	990	990	53	10600	-
2.6	0.4	3.5	1080	0.83	417.3	IE4	**BF40Z-../S4E06LA4**	0.35	1.1	2.3	3.5	4.3	1040	1080	1080	1080	1080	53	10600	-
2.6	0.4	8.1	475	2.7	183.5	IE4	**BF50Z-../S4E06LA4**	0.8	2.7	5.4	8.1	9.8	455	475	475	475	475	82	13600	-
2.6	0.4	7.3	530	2.4	205.2	IE4	**BF50Z-../S4E06LA4**	0.7	2.4	4.8	7.3	8.7	510	530	530	530	530	82	13600	-
2.6	0.4	6	640	2	247.5	IE4	**BF50Z-../S4E06LA4**	0.6	2	4	6	7.2	610	640	640	640	640	82	13600	-
2.6	0.4	5.4	710	1.8	276.8	IE4	**BF50Z-../S4E06LA4**	0.5	1.8	3.6	5.4	6.5	690	710	710	710	710	82	13600	-
2.6	0.4	4.7	820	1.6	316.6	IE4	**BF50Z-../S4E06LA4**	0.47	1.5	3.1	4.7	5.6	790	820	820	820	820	82	13600	-
2.6	0.4	4.2	920	1.4	354	IE4	**BF50Z-../S4E06LA4**	0.42	1.4	2.8	4.2	5	880	920	920	920	920	82	13600	-
2.6	0.4	3.8	1020	1.3	392.8	IE4	**BF50Z-../S4E06LA4**	0.38	1.2	2.5	3.8	4.5	980	1020	1020	1020	1020	82	13600	-
2.6	0.4	3.4	1140	1.1	439.3	IE4	**BF50Z-../S4E06LA4**	0.34	1.1	2.2	3.4	4	1090	1140	1140	1140	1140	82	13600	-
2.6	0.4	3	1290	1	496.4	IE4	**BF50Z-../S4E06LA4**	0.3	1	2	3	3.6	1240	1290	1290	1290	1290	82	13600	-
2.6	0.4	2.7	1440	0.9	555.2	IE4	**BF50Z-../S4E06LA4**	0.27	0.9	1.8	2.7	3.2	1380	1440	1440	1440	1440	82	13600	-
2.6	0.4	2.6	1440	0.97	555.9	IE4	**BF50G10-../S4E06LA4**	0.26	0.85	1.7	2.6	3.2	1380	1440	1440	1440	1440	86	13600	-

MN = 2.6 Nm (PN = 0.4 kW)



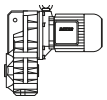
M_N	P_N	n_2	M_2	f_B	i	IE-Classe	Type	Speed range n_2 [1/min] at motor speed n_1 [1/min]					Torque range M_2 [Nm] at motor speed n_1 [1/min]					m	F_{RN}	F_{RV}
[Nm]	[kW]	[1/min]	[Nm]	[--]	[:1]			150	500	1000	1500	1800	150	500	1000	1500	1800	[kg]	[N]	[N]
2.6	0.4	2.6	1480	1.7	569.3	IE4	**BF60G20-../S4E06LA4**	0.26	0.85	1.7	2.6	3.1	1420	1480	1480	1480	1480	134	15300	43300
2.6	0.4	2.1	1790	1.4	689	IE4	**BF60G20-../S4E06LA4**	0.21	0.7	1.4	2.1	2.6	1720	1790	1790	1790	1790	134	15300	43300
2.6	0.4	1.8	2100	1.2	813.2	IE4	**BF60G20-../S4E06LA4**	0.18	0.6	1.2	1.8	2.2	2000	2100	2100	2100	2100	134	15300	43300
2.6	0.4	1.5	2400	1	937.6	IE4	**BF60G20-../S4E06LA4**	0.15	0.5	1	1.5	1.9	2300	2400	2400	2400	2400	134	15300	43300
2.6	0.4	1.7	2250	2.5	872.1	IE4	**BF70G20-../S4E06LA4**	0.17	0.55	1.1	1.7	2	2150	2250	2250	2250	2250	212	16100	47700
2.6	0.4	1.4	2600	2.2	1017	IE4	**BF70G20-../S4E06LA4**	0.14	0.49	0.95	1.4	1.7	2500	2600	2600	2600	2600	212	16100	47700
2.6	0.4	1	3600	1.6	1390	IE4	**BF70G20-../S4E06LA4**	0.1	0.35	0.7	1	1.2	3450	3600	3600	3600	3600	212	16100	47700
2.6	0.4	0.9	4200	1.4	1621	IE4	**BF70G20-../S4E06LA4**	0.09	0.3	0.6	0.9	1.1	4050	4200	4200	4200	4200	212	16100	47700
2.6	0.4	0.75	4950	1.1	1912	IE4	**BF70G20-../S4E06LA4**	0.075	0.26	0.5	0.75	0.9	4750	4950	4950	4950	4950	212	16100	47700
2.6	0.4	0.6	6300	0.9	2448	IE4	**BF70G20-../S4E06LA4**	0.06	0.2	0.4	0.6	0.7	6100	6300	6300	6300	6300	212	16100	47700

MN = 3.5 Nm (PN = 0.55 kW)



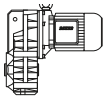
M_N	P_N	n_2	M_2	f_B	i	IE-Classe	Type	Speed range n_2 [1/min] at motor speed n_1 [1/min]					Torque range M_2 [Nm] at motor speed n_1 [1/min]					m	F_{RN}	F_{RV}
[Nm]	[kW]	[1/min]	[Nm]	[--]	[:1]			150	500	1000	1500	1800	150	500	1000	1500	1800	[kg]	[N]	[N]
3.5	0.55	195	26.5	2.5	7.66	IE1	**BF06-../SSE06LA4**	19.5	65	130	195	230	19.1	22	26.5	26.5	26.5	12	1800	-
3.5	0.55	162	32	2.2	9.21	IE1	**BF06-../SSE06LA4**	16	54	108	162	195	23	26.5	32	32	32	12	1900	-
3.5	0.55	124	42	1.8	12.07	IE1	**BF06-../SSE06LA4**	12	41	82	124	149	30	35	42	42	42	12	2000	-
3.5	0.55	105	49.5	1.7	14.21	IE1	**BF06-../SSE06LA4**	10.5	35	70	105	126	35.5	41	49.5	49.5	49.5	12	2100	-
3.5	0.55	88	59	1.6	16.99	IE1	**BF06-../SSE06LA4**	8.8	29	58	88	105	42	49	59	59	59	12	2500	-
3.5	0.55	73	71	1.3	20.42	IE1	**BF06-../SSE06LA4**	7.3	24	48.5	73	88	51	59	71	71	71	12	2700	-
3.5	0.55	56	93	1	26.76	IE1	**BF06-../SSE06LA4**	5.6	18.5	37	56	67	66	77	93	93	93	12	3000	-
3.5	0.55	47.5	110	0.86	31.5	IE1	**BF06-../SSE06LA4**	4.7	15.5	31.5	47.5	57	78	91	110	110	110	12	3200	-
3.5	0.55	64	81	2.9	23.28	IE1	**BF10-../SSE06LA4**	6.4	21	42.5	64	77	58	67	81	81	81	23	3200	-
3.5	0.55	58	89	2.7	25.6	IE1	**BF10-../SSE06LA4**	5.8	19.5	39	58	70	64	74	89	89	89	23	3350	-
3.5	0.55	52	99	2.4	28.47	IE1	**BF10-../SSE06LA4**	5.2	17.5	35	52	63	71	82	99	99	99	23	3450	-
3.5	0.55	47.5	109	2.2	31.31	IE1	**BF10-../SSE06LA4**	4.7	15.5	31.5	47.5	57	78	90	109	109	109	23	3600	-
3.5	0.55	41	126	1.9	36.15	IE1	**BF10-../SSE06LA4**	4.1	13.5	27.5	41	49.5	90	104	126	126	126	23	3800	-
3.5	0.55	37.5	139	1.7	39.75	IE1	**BF10-../SSE06LA4**	3.7	12.5	25	37.5	45	99	115	139	139	139	23	3950	-
3.5	0.55	34.5	150	1.6	43.06	IE1	**BF10-../SSE06LA4**	3.4	11.5	23	34.5	41.5	107	124	150	150	150	23	4100	-
3.5	0.55	31.5	165	1.4	47.35	IE1	**BF10-../SSE06LA4**	3.1	10.5	21	31.5	38	118	137	165	165	165	23	4250	-
3.5	0.55	29	179	1.3	51.28	IE1	**BF10-../SSE06LA4**	2.9	9.7	19.5	29	35	128	148	179	179	179	23	4400	-
3.5	0.55	26.5	197	1.2	56.39	IE1	**BF10-../SSE06LA4**	2.6	8.8	17.5	26.5	31.5	140	163	197	197	197	23	4550	-
3.5	0.55	24	215	1.1	61.55	IE1	**BF10-../SSE06LA4**	2.4	8.1	16	24	29	153	178	215	215	215	23	4700	-
3.5	0.55	22	235	1	67.69	IE1	**BF10-../SSE06LA4**	2.2	7.3	14.5	22	26.5	169	196	235	235	235	23	4900	-
3.5	0.55	19	270	0.88	77.55	IE1	**BF10-../SSE06LA4**	1.9	6.4	12.5	19	23	193	220	270	270	270	23	5100	-
3.5	0.55	17.5	295	0.8	85.27	IE1	**BF10-../SSE06LA4**	1.7	5.8	11.5	17.5	21	210	245	295	295	295	23	5300	-
3.5	0.55	35.5	146	2.9	41.72	IE1	**BF20-../SSE06LA4**	3.5	11.5	23.5	35.5	43	104	120	146	146	146	30	4950	-
3.5	0.55	32.5	160	2.6	45.9	IE1	**BF20-../SSE06LA4**	3.2	10.5	21.5	32.5	39	114	133	160	160	160	30	5100	-
3.5	0.55	30.5	169	2.5	48.56	IE1	**BF20-../SSE06LA4**	3	10	20.5	30.5	37	121	140	169	169	169	30	5200	-
3.5	0.55	28	187	2.2	53.43	IE1	**BF20-../SSE06LA4**	2.8	9.3	18.5	28	33.5	133	154	187	187	187	30	5500	-
3.5	0.55	25.5	200	2.1	58.24	IE1	**BF20-../SSE06LA4**	2.5	8.5	17	25.5	30.5	145	168	200	200	200	30	5600	-
3.5	0.55	23	220	1.9	64.08	IE1	**BF20-../SSE06LA4**	2.3	7.8	15.5	23	28	160	185	220	220	220	30	5900	-
3.5	0.55	21.5	240	1.7	69.7	IE1	**BF20-../SSE06LA4**	2.1	7.1	14	21.5	25.5	174	200	240	240	240	30	6100	-
3.5	0.55	19.5	265	1.6	76.69	IE1	**BF20-../SSE06LA4**	1.9	6.5	13	19.5	23	191	220	265	265	265	30	6300	-
3.5	0.55	17	305	1.4	87.31	IE1	**BF20-../SSE06LA4**	1.7	5.7	11	17	20.5	215	250	305	305	305	30	6600	-
3.5	0.55	15.5	335	1.2	96.08	IE1	**BF20-../SSE06LA4**	1.5	5.2	10	15.5	18.5	240	275	335	335	335	30	6900	-
3.5	0.55	14.5	350	1.2	100.2	IE1	**BF20-../SSE06LA4**	1.4	4.9	9.9	14.5	17.5	250	290	350	350	350	30	7000	-
3.5	0.55	13.5	385	1.1	110.2	IE1	**BF20-../SSE06LA4**	1.3	4.5	9	13.5	16	275	315	385	385	385	30	7300	-
3.5	0.55	12	430	0.97	123.5	IE1	**BF20-../SSE06LA4**	1.2	4	8	12	14.5	305	355	430	430	430	30	7600	-
3.5	0.55	11	475	0.88	135.9	IE1	**BF20-../SSE06LA4**	1.1	3.6	7.3	11	13	335	390	475	475	475	30	7900	-
3.5	0.55	10.5	490	0.85	141.2	IE1	**BF20Z-../SSE06LA4**	1	3.5	7	10.5	12.5	350	405	490	490	490	31	7900	-
3.5	0.55	26	200	2.8	57.41	IE1	**BF30-../SSE06LA4**	2.6	8.7	17	26	31	143	166	200	200	200	40	5200	-
3.5	0.55	24.5	210	2.7	61.17	IE1	**BF30-../SSE06LA4**	2.4	8.1	16	24.5	29	152	177	210	210	210	40	5300	-
3.5	0.55	22	235	2.4	67.28	IE1	**BF30-../SSE06LA4**	2.2	7.4	14.5	22	26.5	168	195	235	235	235	40	5500	-
3.5	0.55	20.5	250	2.3	72.13	IE1	**BF30-../SSE06LA4**	2	6.9	13.5	20.5	24.5	180	205	250	250	250	40	5700	-
3.5	0.55	18.5	275	2.1	79.34	IE1	**BF30-../SSE06LA4**	1.8	6.3	12.5	18.5	22.5	198	230	275	275	275	40	5900	-
3.5	0.55	17	300	1.9	87.08	IE1	**BF30-../SSE06LA4**	1.7	5.7	11	17	20.5	215	250	300	300	300	40	6200	-
3.5	0.55	15.5	335	1.7	95.79	IE1	**BF30-../SSE06LA4**	1.5	5.2	10	15.5	18.5	235	275	335	335	335	40	6400	-
3.5	0.55	13.5	375	1.5	107.6	IE1	**BF30-../SSE06LA4**	1.3	4.6	9.2	13.5	16.5	265	310	375	375	375	40	6700	-
3.5	0.55	12.5	410	1.4	118.3	IE1	**BF30-../SSE06LA4**	1.2	4.2	8.4	12.5	15	295	340	410	410	410	40	7000	-
3.5	0.55	12	435	1.3	124.7	IE1	**BF30-../SSE06LA4**	1.2	4	8	12	14	310	360	435	435	435	40	7100	-
3.5	0.55	10.5	475	1.2	137.1	IE1	**BF30-../SSE06LA4**	1	3.6	7.2	10.5	13	340	395	475	475	475	40	7400	-
3.5	0.55	9.9	520	1.1	150.7	IE1	**BF30Z-../SSE06LA4**	0.95	3.3	6.6	9.9	11.5	375	435	520	520	520	42	7400	-
3.5	0.55	9	580	0.98	165.8	IE1	**BF30Z-../SSE06LA4**	0.9	3	6	9	10.5	410	480	580	580	580	42	7400	-
3.5	0.55	8.4	610	0.92	176.6	IE1	**BF30Z-../SSE06LA4**	0.8	2.8	5.6	8.4	10	440	510	610	610	610	42	7400	-
3.5	0.55	7.7	680	0.84	194.3	IE1	**BF30Z-../SSE06LA4**	0.75	2.5	5.1	7.7	9.2	485	560	680	680	680	42	7400	-
3.5	0.55	10.5	490	1.8	141.4	IE1	**BF40Z-../SSE06LA4**	1	3.5	7	10.5	12.5	350	410	490	490	490	53	10600	-
3.5	0.55	9.6	540	1.7	155.6	IE1	**BF40Z-../SSE06LA4**	0.95	3.2	6.4	9.6	11.5	385	450	540	540	540	53	10600	-
3.5	0.55	8.7	590	1.5	171.2	IE1	**BF40Z-../SSE06LA4**	0.85	2.9	5.8	8.7	10.5	425	495	590	590	590	53	10600	-
3.5	0.55	7.9	650	1.4	188.3	IE1	**BF40Z-../SSE06LA4**	0.75	2.6	5.3	7.9	9.5	470	540	650	650	650	53	10600	-
3.5	0.55	7.4	700	1.3	202.2	IE1	**BF40Z-../SSE06LA4**	0.7	2.4	4.9	7.4	8.9	500	580	700	700	700	53	10600	-

MN = 3.5 Nm (PN = 0.55 kW)



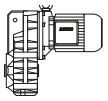
M_N	P_N	n_2	M_2	f_B	i	IE-Classe	Type	Speed range n_2 [1/min] at motor speed n_1 [1/min]					Torque range M_2 [Nm] at motor speed n_1 [1/min]					m	F_{RN}	F_{RV}
[Nm]	[kW]	[1/min]	[Nm]	[--]	[:1]			150	500	1000	1500	1800	150	500	1000	1500	1800	[kg]	[N]	[N]
3.5	0.55	6.7	770	1.2	222.4	IE1	**BF40Z-../SSE06LA4**	0.65	2.2	4.4	6.7	8	550	640	770	770	770	53	10600	-
3.5	0.55	5.9	880	1	253.2	IE1	**BF40Z-../SSE06LA4**	0.55	1.9	3.9	5.9	7.1	630	730	880	880	880	53	10600	-
3.5	0.55	5.3	970	0.92	278.5	IE1	**BF40Z-../SSE06LA4**	0.5	1.7	3.5	5.3	6.4	690	800	970	970	970	53	10600	-
3.5	0.55	5	1030	0.87	295.1	IE1	**BF40Z-../SSE06LA4**	0.5	1.6	3.3	5	6	730	850	1030	1030	1030	53	10600	-
3.5	0.55	10.5	480	2.7	138.1	IE1	**BF50Z-../SSE06LA4**	1	3.6	7.2	10.5	13	345	400	480	480	480	82	13600	-
3.5	0.55	9.7	540	2.4	154.5	IE1	**BF50Z-../SSE06LA4**	0.95	3.2	6.4	9.7	11.5	385	445	540	540	540	82	13600	-
3.5	0.55	8.1	640	2	183.5	IE1	**BF50Z-../SSE06LA4**	0.8	2.7	5.4	8.1	9.8	455	530	640	640	640	82	13600	-
3.5	0.55	7.3	710	1.8	205.2	IE1	**BF50Z-../SSE06LA4**	0.7	2.4	4.8	7.3	8.7	510	590	710	710	710	82	13600	-
3.5	0.55	6	860	1.5	247.5	IE1	**BF50Z-../SSE06LA4**	0.6	2	4	6	7.2	610	710	860	860	860	82	13600	-
3.5	0.55	5.4	960	1.3	276.8	IE1	**BF50Z-../SSE06LA4**	0.5	1.8	3.6	5.4	6.5	690	800	960	960	960	82	13600	-
3.5	0.55	4.7	1100	1.2	316.6	IE1	**BF50Z-../SSE06LA4**	0.47	1.5	3.1	4.7	5.6	790	910	1100	1100	1100	82	13600	-
3.5	0.55	4.2	1230	1	354	IE1	**BF50Z-../SSE06LA4**	0.42	1.4	2.8	4.2	5	880	1020	1230	1230	1230	82	13600	-
3.5	0.55	3.8	1370	0.95	392.8	IE1	**BF50Z-../SSE06LA4**	0.38	1.2	2.5	3.8	4.5	980	1130	1370	1370	1370	82	13600	-
3.5	0.55	3.4	1530	0.85	439.3	IE1	**BF50Z-../SSE06LA4**	0.34	1.1	2.2	3.4	4	1090	1270	1530	1530	1530	82	13600	-
3.5	0.55	2.6	1990	1.3	569.3	IE1	**BF60G20-../SSE06LA4**	0.26	0.85	1.7	2.6	3.1	1420	1650	1990	1990	1990	134	15300	43300
3.5	0.55	2.1	2400	1	689	IE1	**BF60G20-../SSE06LA4**	0.21	0.7	1.4	2.1	2.6	1720	1990	2400	2400	2400	134	15300	43300
3.5	0.55	1.8	2800	0.88	813.2	IE1	**BF60G20-../SSE06LA4**	0.18	0.6	1.2	1.8	2.2	2000	2350	2800	2800	2800	134	15300	43300
3.5	0.55	2.5	2000	2.8	577.5	IE1	**BF70G20-../SSE06LA4**	0.25	0.85	1.7	2.5	3.1	1440	1670	2000	2000	2000	212	16100	47700
3.5	0.55	2.2	2350	2.4	673.6	IE1	**BF70G20-../SSE06LA4**	0.22	0.7	1.4	2.2	2.6	1680	1950	2350	2350	2350	212	16100	47700
3.5	0.55	1.7	3050	1.9	872.1	IE1	**BF70G20-../SSE06LA4**	0.17	0.55	1.1	1.7	2	2150	2500	3050	3050	3050	212	16100	47700
3.5	0.55	1.4	3550	1.6	1017	IE1	**BF70G20-../SSE06LA4**	0.14	0.49	0.95	1.4	1.7	2500	2900	3550	3550	3550	212	16100	47700
3.5	0.55	1	4850	1.2	1390	IE1	**BF70G20-../SSE06LA4**	0.1	0.35	0.7	1	1.2	3450	4000	4850	4850	4850	212	16100	47700
3.5	0.55	0.9	5600	1	1621	IE1	**BF70G20-../SSE06LA4**	0.09	0.3	0.6	0.9	1.1	4050	4700	5600	5600	5600	212	16100	47700
3.5	0.55	0.75	6600	0.85	1912	IE1	**BF70G20-../SSE06LA4**	0.075	0.26	0.5	0.75	0.9	4750	5500	6600	6600	6600	212	16100	47700

MN = 5 Nm (PN = 0.78 kW)



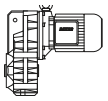
M_N	P_N	n_2	M_2	f_B	i	IE-Classe	Type	Speed range n_2 [1/min] at motor speed n_1 [1/min]					Torque range M_2 [Nm] at motor speed n_1 [1/min]					m	F_{RN}	F_{RV}
[Nm]	[kW]	[1/min]	[Nm]	[--]	[:1]			150	500	1000	1500	1800	150	500	1000	1500	1800	[kg]	[N]	[N]
5	0.78	260	28.5	2.2	5.72	IE4	**BF06-../S4E08MA4**	26	87	174	260	310	28.5	28.5	28.5	28.5	28.5	16	1600	-
5	0.78	195	38	1.8	7.66	IE4	**BF06-../S4E08MA4**	19.5	65	130	195	230	38	38	38	38	38	16	1800	-
5	0.78	162	46	1.5	9.21	IE4	**BF06-../S4E08MA4**	16	54	108	162	195	46	46	46	46	46	16	1900	-
5	0.78	124	60	1.2	12.07	IE4	**BF06-../S4E08MA4**	12	41	82	124	149	60	60	60	60	60	16	2000	-
5	0.78	105	71	1.2	14.21	IE4	**BF06-../S4E08MA4**	10.5	35	70	105	126	71	71	71	71	71	16	2100	-
5	0.78	88	84	1.1	16.99	IE4	**BF06-../S4E08MA4**	8.8	29	58	88	105	84	84	84	84	84	16	2500	-
5	0.78	73	102	0.93	20.42	IE4	**BF06-../S4E08MA4**	7.3	24	48.5	73	88	102	102	102	102	102	16	2700	-
5	0.78	99	75	2.4	15.04	IE4	**BF10-../S4E08MA4**	9.9	33	66	99	119	75	75	75	75	75	27	2800	-
5	0.78	82	91	2.6	18.23	IE4	**BF10-../S4E08MA4**	8.2	27	54	82	98	91	91	91	91	91	27	2900	-
5	0.78	74	100	2.4	20.05	IE4	**BF10-../S4E08MA4**	7.4	24.5	49.5	74	89	100	100	100	100	100	27	3000	-
5	0.78	64	116	2.1	23.28	IE4	**BF10-../S4E08MA4**	6.4	21	42.5	64	77	116	116	116	116	116	27	3200	-
5	0.78	58	128	1.9	25.6	IE4	**BF10-../S4E08MA4**	5.8	19.5	39	58	70	128	128	128	128	128	27	3350	-
5	0.78	52	142	1.7	28.47	IE4	**BF10-../S4E08MA4**	5.2	17.5	35	52	63	142	142	142	142	142	27	3450	-
5	0.78	47.5	156	1.5	31.31	IE4	**BF10-../S4E08MA4**	4.7	15.5	31.5	47.5	57	156	156	156	156	156	27	3600	-
5	0.78	41	180	1.3	36.15	IE4	**BF10-../S4E08MA4**	4.1	13.5	27.5	41	49.5	180	180	180	180	180	27	3800	-
5	0.78	37.5	198	1.2	39.75	IE4	**BF10-../S4E08MA4**	3.7	12.5	25	37.5	45	198	198	198	198	198	27	3950	-
5	0.78	34.5	215	1.1	43.06	IE4	**BF10-../S4E08MA4**	3.4	11.5	23	34.5	41.5	215	215	215	215	215	27	4100	-
5	0.78	31.5	235	1	47.35	IE4	**BF10-../S4E08MA4**	3.1	10.5	21	31.5	38	235	235	235	235	235	27	4250	-
5	0.78	29	255	0.94	51.28	IE4	**BF10-../S4E08MA4**	2.9	9.7	19.5	29	35	255	255	255	255	255	27	4400	-
5	0.78	26.5	280	0.85	56.39	IE4	**BF10-../S4E08MA4**	2.6	8.8	17.5	26.5	31.5	280	280	280	280	280	27	4550	-
5	0.78	54	138	3	27.62	IE4	**BF20-../S4E08MA4**	5.4	18	36	54	65	138	138	138	138	138	33	4150	-
5	0.78	49	152	2.8	30.4	IE4	**BF20-../S4E08MA4**	4.9	16	32.5	49	59	152	152	152	152	152	33	4400	-
5	0.78	46	162	2.6	32.58	IE4	**BF20-../S4E08MA4**	4.6	15	30.5	46	55	162	162	162	162	162	33	4450	-
5	0.78	41.5	179	2.3	35.85	IE4	**BF20-../S4E08MA4**	4.1	13.5	27.5	41.5	50	179	179	179	179	179	33	4650	-
5	0.78	35.5	205	2	41.72	IE4	**BF20-../S4E08MA4**	3.5	11.5	23.5	35.5	43	205	205	205	205	205	33	4950	-
5	0.78	32.5	225	1.8	45.9	IE4	**BF20-../S4E08MA4**	3.2	10.5	21.5	32.5	39	225	225	225	225	225	33	5100	-
5	0.78	30.5	240	1.7	48.56	IE4	**BF20-../S4E08MA4**	3	10	20.5	30.5	37	240	240	240	240	240	33	5200	-
5	0.78	28	265	1.6	53.43	IE4	**BF20-../S4E08MA4**	2.8	9.3	18.5	28	33.5	265	265	265	265	265	33	5500	-
5	0.78	25.5	290	1.4	58.24	IE4	**BF20-../S4E08MA4**	2.5	8.5	17	25.5	30.5	290	290	290	290	290	33	5600	-
5	0.78	23	320	1.3	64.08	IE4	**BF20-../S4E08MA4**	2.3	7.8	15.5	23	28	320	320	320	320	320	33	5900	-
5	0.78	21.5	345	1.2	69.7	IE4	**BF20-../S4E08MA4**	2.1	7.1	14	21.5	25.5	345	345	345	345	345	33	6100	-
5	0.78	19.5	380	1.1	76.69	IE4	**BF20-../S4E08MA4**	1.9	6.5	13	19.5	23	380	380	380	380	380	33	6300	-
5	0.78	17	435	0.96	87.31	IE4	**BF20-../S4E08MA4**	1.7	5.7	11	17	20.5	435	435	435	435	435	33	6600	-
5	0.78	15.5	480	0.87	96.08	IE4	**BF20-../S4E08MA4**	1.5	5.2	10	15.5	18.5	480	480	480	480	480	33	6900	-
5	0.78	14.5	500	0.84	100.2	IE4	**BF20-../S4E08MA4**	1.4	4.9	9.9	14.5	17.5	500	500	500	500	500	33	7000	-
5	0.78	38.5	192	3	38.49	IE4	**BF30-../S4E08MA4**	3.8	12.5	25.5	38.5	46.5	192	192	192	192	192	43	4400	-
5	0.78	36.5	205	2.8	41.01	IE4	**BF30-../S4E08MA4**	3.6	12	24	36.5	43.5	205	205	205	205	205	43	4500	-
5	0.78	33	225	2.5	45.1	IE4	**BF30-../S4E08MA4**	3.3	11	22	33	39.5	225	225	225	225	225	43	4700	-
5	0.78	28.5	260	2.2	52.2	IE4	**BF30-../S4E08MA4**	2.8	9.5	19	28.5	34	260	260	260	260	260	43	5000	-
5	0.78	26	285	2	57.41	IE4	**BF30-../S4E08MA4**	2.6	8.7	17	26	31	285	285	285	285	285	43	5200	-
5	0.78	24.5	305	1.9	61.17	IE4	**BF30-../S4E08MA4**	2.4	8.1	16	24.5	29	305	305	305	305	305	43	5300	-
5	0.78	22	335	1.7	67.28	IE4	**BF30-../S4E08MA4**	2.2	7.4	14.5	22	26.5	335	335	335	335	335	43	5500	-

MN = 5 Nm (PN = 0.78 kW)



M_N	P_N	n_2	M_2	f_B	i	IE-Classe	Type	Speed range n_2 [1/min] at motor speed n_1 [1/min]					Torque range M_2 [Nm] at motor speed n_1 [1/min]					m	F_{RN}	F_{RV}
[Nm]	[kW]	[1/min]	[Nm]	[--]	[:1]			150	500	1000	1500	1800	150	500	1000	1500	1800	[kg]	[N]	[N]
5	0.78	20.5	360	1.6	72.13	IE4	**BF30-../S4E08MA4**	2	6.9	13.5	20.5	24.5	360	360	360	360	360	43	5700	-
5	0.78	18.5	395	1.4	79.34	IE4	**BF30-../S4E08MA4**	1.8	6.3	12.5	18.5	22.5	395	395	395	395	395	43	5900	-
5	0.78	17	435	1.3	87.08	IE4	**BF30-../S4E08MA4**	1.7	5.7	11	17	20.5	435	435	435	435	435	43	6200	-
5	0.78	15.5	475	1.2	95.79	IE4	**BF30-../S4E08MA4**	1.5	5.2	10	15.5	18.5	475	475	475	475	475	43	6400	-
5	0.78	13.5	530	1.1	107.6	IE4	**BF30-../S4E08MA4**	1.3	4.6	9.2	13.5	16.5	530	530	530	530	530	43	6700	-
5	0.78	12.5	590	0.96	118.3	IE4	**BF30-../S4E08MA4**	1.2	4.2	8.4	12.5	15	590	590	590	590	590	43	7000	-
5	0.78	12	620	0.91	124.7	IE4	**BF30-../S4E08MA4**	1.2	4	8	12	14	620	620	620	620	620	43	7100	-
5	0.78	10.5	680	0.83	137.1	IE4	**BF30-../S4E08MA4**	1	3.6	7.2	10.5	13	680	680	680	680	680	43	7400	-
5	0.78	24	305	2.9	61.25	IE4	**BF40-../S4E08MA4**	2.4	8.1	16	24	29	305	305	305	305	305	53	7600	-
5	0.78	22	335	2.7	67.38	IE4	**BF40-../S4E08MA4**	2.2	7.4	14.5	22	26.5	335	335	335	335	335	53	8000	-
5	0.78	21	355	2.5	71.4	IE4	**BF40-../S4E08MA4**	2.1	7	14	21	25	355	355	355	355	355	53	8100	-
5	0.78	19	390	2.3	78.55	IE4	**BF40-../S4E08MA4**	1.9	6.3	12.5	19	22.5	390	390	390	390	390	53	8500	-
5	0.78	17.5	415	2.1	83.91	IE4	**BF40-../S4E08MA4**	1.7	5.9	11.5	17.5	21	415	415	415	415	415	53	8700	-
5	0.78	16	460	1.9	92.31	IE4	**BF40-../S4E08MA4**	1.6	5.4	10.5	16	19	460	460	460	460	460	53	9100	-
5	0.78	14.5	500	1.8	101	IE4	**BF40-../S4E08MA4**	1.4	4.9	9.9	14.5	17.5	500	500	500	500	500	53	9400	-
5	0.78	13.5	550	1.6	111.1	IE4	**BF40-../S4E08MA4**	1.3	4.5	9	13.5	16	550	550	550	550	550	53	9800	-
5	0.78	12	620	1.4	124.5	IE4	**BF40-../S4E08MA4**	1.2	4	8	12	14	620	620	620	620	620	53	10200	-
5	0.78	10.5	680	1.3	137	IE4	**BF40-../S4E08MA4**	1	3.6	7.2	10.5	13	680	680	680	680	680	53	10600	-
5	0.78	10.5	700	1.3	141.4	IE4	**BF40Z-../S4E08MA4**	1	3.5	7	10.5	12.5	700	700	700	700	700	56	10600	-
5	0.78	9.6	770	1.2	155.6	IE4	**BF40Z-../S4E08MA4**	0.95	3.2	6.4	9.6	11.5	770	770	770	770	770	56	10600	-
5	0.78	8.7	850	1.1	171.2	IE4	**BF40Z-../S4E08MA4**	0.85	2.9	5.8	8.7	10.5	850	850	850	850	850	56	10600	-
5	0.78	7.9	940	0.96	188.3	IE4	**BF40Z-../S4E08MA4**	0.75	2.6	5.3	7.9	9.5	940	940	940	940	940	56	10600	-
5	0.78	7.4	1010	0.89	202.2	IE4	**BF40Z-../S4E08MA4**	0.7	2.4	4.9	7.4	8.9	1010	1010	1010	1010	1010	56	10600	-
5	0.78	6.7	1110	0.81	222.4	IE4	**BF40Z-../S4E08MA4**	0.65	2.2	4.4	6.7	8	1110	1110	1110	1110	1110	56	10600	-
5	0.78	16.5	450	2.9	90.24	IE4	**BF50-../S4E08MA4**	1.6	5.5	11	16.5	19.5	450	450	450	450	450	81	11800	-
5	0.78	14.5	500	2.6	100.9	IE4	**BF50-../S4E08MA4**	1.4	4.9	9.9	14.5	17.5	500	500	500	500	500	81	12300	-
5	0.78	13	570	2.3	114	IE4	**BF50-../S4E08MA4**	1.3	4.3	8.7	13	15.5	570	570	570	570	570	81	12900	-
5	0.78	11.5	630	2	127.5	IE4	**BF50-../S4E08MA4**	1.1	3.9	7.8	11.5	14	630	630	630	630	630	81	13600	-
5	0.78	10.5	690	1.9	138.1	IE4	**BF50Z-../S4E08MA4**	1	3.6	7.2	10.5	13	690	690	690	690	690	86	13600	-
5	0.78	9.7	770	1.7	154.5	IE4	**BF50Z-../S4E08MA4**	0.95	3.2	6.4	9.7	11.5	770	770	770	770	770	86	13600	-
5	0.78	8.1	910	1.4	183.5	IE4	**BF50Z-../S4E08MA4**	0.8	2.7	5.4	8.1	9.8	910	910	910	910	910	86	13600	-
5	0.78	7.3	1020	1.3	205.2	IE4	**BF50Z-../S4E08MA4**	0.7	2.4	4.8	7.3	8.7	1020	1020	1020	1020	1020	86	13600	-
5	0.78	6	1230	1.1	247.5	IE4	**BF50Z-../S4E08MA4**	0.6	2	4	6	7.2	1230	1230	1230	1230	1230	86	13600	-
5	0.78	5.4	1380	0.94	276.8	IE4	**BF50Z-../S4E08MA4**	0.5	1.8	3.6	5.4	6.5	1380	1380	1380	1380	1380	86	13600	-
5	0.78	4.7	1580	0.82	316.6	IE4	**BF50Z-../S4E08MA4**	0.47	1.5	3.1	4.7	5.6	1580	1580	1580	1580	1580	86	13600	-
5	0.78	8.8	840	2.7	169.2	IE4	**BF60Z-../S4E08MA4**	0.85	2.9	5.9	8.8	10.5	840	840	840	840	840	130	15300	43300
5	0.78	7.9	930	2.5	187.7	IE4	**BF60Z-../S4E08MA4**	0.75	2.6	5.3	7.9	9.5	930	930	930	930	930	130	15300	43300
5	0.78	6.7	1100	2.1	221.4	IE4	**BF60Z-../S4E08MA4**	0.65	2.2	4.5	6.7	8.1	1100	1100	1100	1100	1100	130	15300	43300
5	0.78	6.1	1220	1.9	245.6	IE4	**BF60Z-../S4E08MA4**	0.6	2	4	6.1	7.3	1220	1220	1220	1220	1220	130	15300	43300
5	0.78	5.1	1460	1.6	293.4	IE4	**BF60Z-../S4E08MA4**	0.5	1.7	3.4	5.1	6.1	1460	1460	1460	1460	1460	130	15300	43300
5	0.78	4.6	1620	1.4	325.6	IE4	**BF60Z-../S4E08MA4**	0.46	1.5	3	4.6	5.5	1620	1620	1620	1620	1620	130	15300	43300
5	0.78	3.9	1900	1.2	380	IE4	**BF60Z-../S4E08MA4**	0.39	1.3	2.6	3.9	4.7	1900	1900	1900	1900	1900	130	15300	43300
5	0.78	3.5	2100	1.1	421.6	IE4	**BF60Z-../S4E08MA4**	0.35	1.1	2.3	3.5	4.2	2100	2100	2100	2100	2100	130	15300	43300
5	0.78	3.2	2250	1	459.9	IE4	**BF60Z-../S4E08MA4**	0.32	1	2.1	3.2	3.9	2250	2250	2250	2250	2250	130	15300	43300
5	0.78	2.9	2550	0.9	510.3	IE4	**BF60Z-../S4E08MA4**	0.29	0.95	1.9	2.9	3.5	2550	2550	2550	2550	2550	130	15300	43300
5	0.78	2.6	2800	0.88	569.3	IE4	**BF60G20-../S4E08MA4**	0.26	0.85	1.7	2.6	3.1	2800	2800	2800	2800	2800	137	15300	43300
5	0.78	4.3	1700	3	341.7	IE4	**BF70Z-../S4E08MA4**	0.43	1.4	2.9	4.3	5.2	1700	1700	1700	1700	1700	218	16100	47700
5	0.78	3.7	1990	2.6	398.7	IE4	**BF70Z-../S4E08MA4**	0.37	1.2	2.5	3.7	4.5	1990	1990	1990	1990	1990	218	16100	47700
5	0.78	3.4	2150	2.4	439.2	IE4	**BF70Z-../S4E08MA4**	0.34	1.1	2.2	3.4	4	2150	2150	2150	2150	2150	218	16100	47700
5	0.78	2.9	2550	2	512.4	IE4	**BF70Z-../S4E08MA4**	0.29	0.95	1.9	2.9	3.5	2550	2550	2550	2550	2550	218	16100	47700
5	0.78	2.8	2600	2.2	524.1	IE4	**BF70G20-../S4E08MA4**	0.28	0.95	1.9	2.8	3.4	2600	2600	2600	2600	2600	216	16100	47700
5	0.78	2.5	2850	2	577.5	IE4	**BF70G20-../S4E08MA4**	0.25	0.85	1.7	2.5	3.1	2850	2850	2850	2850	2850	216	16100	47700
5	0.78	2.2	3350	1.7	673.6	IE4	**BF70G20-../S4E08MA4**	0.22	0.7	1.4	2.2	2.6	3350	3350	3350	3350	3350	216	16100	47700
5	0.78	1.7	4350	1.3	872.1	IE4	**BF70G20-../S4E08MA4**	0.17	0.55	1.1	1.7	2	4350	4350	4350	4350	4350	216	16100	47700
5	0.78	1.4	5000	1.1	1017	IE4	**BF70G20-../S4E08MA4**	0.14	0.49	0.95	1.4	1.7	5000	5000	5000	5000	5000	216	16100	47700
5	0.78	1	6900	0.82	1390	IE4	**BF70G20-../S4E08MA4**	0.1	0.35	0.7	1	1.2	6900	6900	6900	6900	6900	216	16100	47700
5	0.78	1.9	3850	2.7	770.6	IE4	**BF80Z-../S4E08MA4**	0.19	0.6	1.2	1.9	2.3	3850	3850	3850	3850	3850	334	39600	75000
5	0.78	1.7	4350	2.4	874.6	IE4	**BF80Z-../S4E08MA4**	0.17	0.55	1.1	1.7	2	4350	4350	4350	4350	4350	334	39600	75000
5	0.78	1.5	4950	2.1	990.4	IE4	**BF80Z-../S4E08MA4**	0.15	0.5	1	1.5	1.8	4950	4950	4950	4950	4950	334	39600	75000
5	0.78	1.3	5600	1.9	1124	IE4	**BF80Z-../S4E08MA4**	0.13	0.44	0.85	1.3	1.6	5600	5600	5600	5600	5600	334	39600	75000
5	0.78	1.1	6600	1.6	1329	IE4	**BF80G40-../S4E08MA4**	0.11	0.37	0.75	1.1	1.3	6600	6600	6600	6600	6600	340	39600	75000
5	0.78	1	7400	1.4	1491	IE4	**BF80G40-../S4E08MA4**	0.1	0.33	0.65	1	1.2	7400	7400	7400	7400	7400	340	39600	75000
5	0.78	0.85	8400	1.2	1693	IE4	**BF80G40-../S4E08MA4**	0.085	0.29	0.55	0.85	1	8400	8400	8400	8400	8400	340	39600	75000
5	0.78	0.7	10200	1	2051	IE4	**BF80G40-../S4E08MA4**	0.07	0.24	0.48	0.7	0.85	10200	10200	10200	10200	10200	340	39600	75000
5	0.78	0.6	12100	0.87	2422	IE4	**BF80G40-../S4E08MA4**	0.06	0.2	0.41	0.6	0.7	12100	12100	12100	12100	12100	340	39600	75000
5	0.78	1	7200	2.6	1444	IE4	**BF90G50-../S4E08MA4**	0.1	0.34	0.65	1	1.2	7200	7200	7200	7200	7200	610	42800	120000
5	0.78	0.85	8300	2.2	1678	IE4	**BF90G50-../S4E08MA4**	0.085	0.29	0.55	0.85	1	8300	8300	8300	8300	8300	610	42800	120000
5	0.78	0.8	9300	2	1867	IE4	**BF90G50-../S4E08MA4**	0.08	0.26	0.5	0.8	0.95	9300	9300	9300	9300	9300	610	42800	120000
5	0.78	0.65	10700	1.7	2154	IE4	**BF90G50-../S4E08MA4**	0.065	0.23	0.46	0.65	0.8	10700	10700	10700	10700	10700	610	42800	120000
5	0.78	0.55	13200	1.4	2656	IE4	**BF90G50-../S4E08MA4**	0.055	0.18	0.37	0.55	0.65	13200	13200	13200	13200	13200	610	42800	120000
5	0.78	0.5	14700	1.3	2952	IE4	**BF90G50-../S4E08MA4**	0.05	0.16	0.33	0.5	0.6	14700	14700	14700	14700	14700	610	42800	120000
5	0.78	0.45	16400	1.1	3286	IE4	**BF90G50-../S4E08MA4**	0.045	0.15	0.3	0.45	0.5	16400	16400	16400	16400	16400	610	42800	120000
5	0.78	0.41	18200	1	3644	IE4	**BF90G50-../S4E08MA4**	0.041	0.13	0.27	0.41	0.49	18200	18200	18200	18200	18200	610	42800	120000
5	0.78	0.34	21500	0.85	4366	IE4	**BF90G50-../S4E08MA4**	0.034	0.11	0.22	0.34	0.41	21500	21500	21500	21500	21500	610	42800	120000

MN = 7 Nm (PN = 1.1 kW)

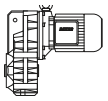


M_N	P_N	n_2	M_2	f_B	i	IE-Classe	Type	Speed range n_2 [1/min] at motor speed n_1 [1/min]					Torque range M_2 [Nm] at motor speed n_1 [1/min]					m	F_{RN}	F_{RV}
[Nm]	[kW]	[1/min]	[Nm]	[--]	[:1]			150	500	1000	1500	1800	150	500	1000	1500	1800	[kg]	[N]	[N]
7	1.1	260	40	1.5	5.72	IE3	**BF06-../SPE08LA4**	26	87	174	260	310	37	40	40	40	40	17	1600	-
7	1.1	195	53	1.3	7.66	IE3	**BF06-../SPE08LA4**	19.5	65	130	195	230	49.5	53	53	53	53	17	1800	-
7	1.1	162	64	1.1	9.21	IE3	**BF06-../SPE08LA4**	16	54	108	162	195	59	64	64	64	64	17	1900	-
7	1.1	124	84	0.89	12.07	IE3	**BF06-../SPE08LA4**	12	41	82	124	149	78	84	84	84	84	17	2000	-
7	1.1	105	99	0.85	14.21	IE3	**BF06-../SPE08LA4**	10.5	35	70	105	126	92	99	99	99	99	17	2100	-
7	1.1	88	118	0.8	16.99	IE3	**BF06-../SPE08LA4**	8.8	29	58	88	105	110	118	118	118	118	17	2500	-
7	1.1	197	53	2.9	7.58	IE3	**BF10-../SPE08LA4**	19.5	65	131	197	235	49	53	53	53	53	28	2200	-
7	1.1	154	67	2.6	9.69	IE3	**BF10-../SPE08LA4**	15	51	103	154	185	62	67	67	67	67	28	2350	-
7	1.1	126	82	2.2	11.84	IE3	**BF10-../SPE08LA4**	12.5	42	84	126	152	76	82	82	82	82	28	2500	-
7	1.1	99	105	1.7	15.04	IE3	**BF10-../SPE08LA4**	9.9	33	66	99	119	97	105	105	105	105	28	2800	-
7	1.1	82	127	1.9	18.23	IE3	**BF10-../SPE08LA4**	8.2	27	54	82	98	118	127	127	127	127	28	2900	-
7	1.1	74	140	1.7	20.05	IE3	**BF10-../SPE08LA4**	7.4	24.5	49.5	74	89	130	140	140	140	140	28	3000	-
7	1.1	64	162	1.5	23.28	IE3	**BF10-../SPE08LA4**	6.4	21	42.5	64	77	151	162	162	162	162	28	3200	-
7	1.1	58	179	1.3	25.6	IE3	**BF10-../SPE08LA4**	5.8	19.5	39	58	70	166	179	179	179	179	28	3350	-
7	1.1	52	199	1.2	28.47	IE3	**BF10-../SPE08LA4**	5.2	17.5	35	52	63	185	199	199	199	199	28	3450	-
7	1.1	47.5	215	1.1	31.31	IE3	**BF10-../SPE08LA4**	4.7	15.5	31.5	47.5	57	200	215	215	215	215	28	3600	-
7	1.1	41	250	0.95	36.15	IE3	**BF10-../SPE08LA4**	4.1	13.5	27.5	41	49.5	230	250	250	250	250	28	3800	-
7	1.1	37.5	275	0.86	39.75	IE3	**BF10-../SPE08LA4**	3.7	12.5	25	37.5	45	255	275	275	275	275	28	3950	-
7	1.1	34.5	300	0.8	43.06	IE3	**BF10-../SPE08LA4**	3.4	11.5	23	34.5	41.5	275	300	300	300	300	28	4100	-
7	1.1	96	108	2.8	15.54	IE3	**BF20-../SPE08LA4**	9.6	32	64	96	115	101	108	108	108	108	35	3450	-
7	1.1	81	129	2.9	18.45	IE3	**BF20-../SPE08LA4**	8.1	27	54	81	97	119	129	129	129	129	35	3600	-
7	1.1	68	154	2.6	22.04	IE3	**BF20-../SPE08LA4**	6.8	22.5	45	68	81	143	154	154	154	154	35	3800	-
7	1.1	61	169	2.4	24.25	IE3	**BF20-../SPE08LA4**	6.1	20.5	41	61	74	157	169	169	169	169	35	3950	-
7	1.1	54	193	2.2	27.62	IE3	**BF20-../SPE08LA4**	5.4	18	36	54	65	179	193	193	193	193	35	4150	-
7	1.1	49	210	2	30.4	IE3	**BF20-../SPE08LA4**	4.9	16	32.5	49	59	197	210	210	210	210	35	4400	-
7	1.1	46	225	1.8	32.58	IE3	**BF20-../SPE08LA4**	4.6	15	30.5	46	55	210	225	225	225	225	35	4450	-
7	1.1	41.5	250	1.7	35.85	IE3	**BF20-../SPE08LA4**	4.1	13.5	27.5	41.5	50	230	250	250	250	250	35	4650	-
7	1.1	35.5	290	1.4	41.72	IE3	**BF20-../SPE08LA4**	3.5	11.5	23.5	35.5	43	270	290	290	290	290	35	4950	-
7	1.1	32.5	320	1.3	45.9	IE3	**BF20-../SPE08LA4**	3.2	10.5	21.5	32.5	39	295	320	320	320	320	35	5100	-
7	1.1	30.5	335	1.2	48.56	IE3	**BF20-../SPE08LA4**	3	10	20.5	30.5	37	315	335	335	335	335	35	5200	-
7	1.1	28	370	1.1	53.43	IE3	**BF20-../SPE08LA4**	2.8	9.3	18.5	28	33.5	345	370	370	370	370	35	5500	-
7	1.1	25.5	405	1	58.24	IE3	**BF20-../SPE08LA4**	2.5	8.5	17	25.5	30.5	375	405	405	405	405	35	5600	-
7	1.1	23	445	0.94	64.08	IE3	**BF20-../SPE08LA4**	2.3	7.8	15.5	23	28	415	445	445	445	445	35	5900	-
7	1.1	21.5	485	0.86	69.7	IE3	**BF20-../SPE08LA4**	2.1	7.1	14	21.5	25.5	450	485	485	485	485	35	6100	-
7	1.1	53	197	2.9	28.23	IE3	**BF30-../SPE08LA4**	5.3	17.5	35	53	63	183	197	197	197	197	45	3800	-
7	1.1	48	215	2.6	31.05	IE3	**BF30-../SPE08LA4**	4.8	16	32	48	57	200	215	215	215	215	45	4000	-
7	1.1	42.5	245	2.3	35	IE3	**BF30-../SPE08LA4**	4.2	14	28.5	42.5	51	225	245	245	245	245	45	4200	-
7	1.1	38.5	265	2.1	38.49	IE3	**BF30-../SPE08LA4**	3.8	12.5	25.5	38.5	46.5	250	265	265	265	265	45	4400	-
7	1.1	36.5	285	2	41.01	IE3	**BF30-../SPE08LA4**	3.6	12	24	36.5	43.5	265	285	285	285	285	45	4500	-
7	1.1	33	315	1.8	45.1	IE3	**BF30-../SPE08LA4**	3.3	11	22	33	39.5	290	315	315	315	315	45	4700	-
7	1.1	28.5	365	1.6	52.2	IE3	**BF30-../SPE08LA4**	2.8	9.5	19	28.5	34	335	365	365	365	365	45	5000	-
7	1.1	26	400	1.4	57.41	IE3	**BF30-../SPE08LA4**	2.6	8.7	17	26	31	370	400	400	400	400	45	5200	-
7	1.1	24.5	425	1.3	61.17	IE3	**BF30-../SPE08LA4**	2.4	8.1	16	24.5	29	395	425	425	425	425	45	5300	-
7	1.1	22	470	1.2	67.28	IE3	**BF30-../SPE08LA4**	2.2	7.4	14.5	22	26.5	435	470	470	470	470	45	5500	-
7	1.1	20.5	500	1.1	72.13	IE3	**BF30-../SPE08LA4**	2	6.9	13.5	20.5	24.5	465	500	500	500	500	45	5700	-
7	1.1	18.5	550	1	79.34	IE3	**BF30-../SPE08LA4**	1.8	6.3	12.5	18.5	22.5	510	550	550	550	550	45	5900	-
7	1.1	17	600	0.94	87.08	IE3	**BF30-../SPE08LA4**	1.7	5.7	11	17	20.5	560	600	600	600	600	45	6200	-
7	1.1	15.5	670	0.85	95.79	IE3	**BF30-../SPE08LA4**	1.5	5.2	10	15.5	18.5	620	670	670	670	670	45	6400	-
7	1.1	32.5	315	2.8	45.56	IE3	**BF40-../SPE08LA4**	3.2	10.5	21.5	32.5	39.5	295	315	315	315	315	54	6800	-
7	1.1	30.5	340	2.6	48.92	IE3	**BF40-../SPE08LA4**	3	10	20	30.5	36.5	315	340	340	340	340	54	7000	-
7	1.1	27.5	375	2.4	53.82	IE3	**BF40-../SPE08LA4**	2.7	9.2	18.5	27.5	33	345	375	375	375	375	54	7200	-
7	1.1	24	425	2.1	61.25	IE3	**BF40-../SPE08LA4**	2.4	8.1	16	24	29	395	425	425	425	425	54	7600	-
7	1.1	22	470	1.9	67.38	IE3	**BF40-../SPE08LA4**	2.2	7.4	14.5	22	26.5	435	470	470	470	470	54	8000	-
7	1.1	21	495	1.8	71.4	IE3	**BF40-../SPE08LA4**	2.1	7	14	21	25	460	495	495	495	495	54	8100	-
7	1.1	19	540	1.6	78.55	IE3	**BF40-../SPE08LA4**	1.9	6.3	12.5	19	22.5	510	540	540	540	540	54	8500	-
7	1.1	17.5	580	1.5	83.91	IE3	**BF40-../SPE08LA4**	1.7	5.9	11.5	17.5	21	540	580	580	580	580	54	8700	-
7	1.1	16	640	1.4	92.31	IE3	**BF40-../SPE08LA4**	1.6	5.4	10.5	16	19	600	640	640	640	640	54	9100	-
7	1.1	14.5	700	1.3	101	IE3	**BF40-../SPE08LA4**	1.4	4.9	9.9	14.5	17.5	650	700	700	700	700	54	9400	-
7	1.1	13.5	770	1.2	111.1	IE3	**BF40-../SPE08LA4**	1.3	4.5	9	13.5	16	720	770	770	770	770	54	9800	-
7	1.1	12	870	1	124.5	IE3	**BF40-../SPE08LA4**	1.2	4	8	12	14	800	870	870	870	870	54	10200	-
7	1.1	10.5	950	0.94	137	IE3	**BF40-../SPE08LA4**	1	3.6	7.2	10.5	13	890	950	950	950	950	54	10600	-
7	1.1	10.5	980	0.91	141.4	IE3	**BF40Z-../SPE08LA4**	1	3.5	7	10.5	12.5	910	980	980	980	980	58	10600	-
7	1.1	9.6	1080	0.83	155.6	IE3	**BF40Z-../SPE08LA4**	0.95	3.2	6.4	9.6	11.5	1010	1080	1080	1080	1080	58	10600	-
7	1.1	23.5	445	2.9	63.59	IE3	**BF50-../SPE08LA4**	2.3	7.8	15.5	23.5	28	410	445	445	445	445	83	9800	-
7	1.1	20.5	500	2.6	72.72	IE3	**BF50-../SPE08LA4**	2	6.8	13.5	20.5	24.5	470	500	500	500	500	83	10700	-
7	1.1	18	560	2.3	81.33	IE3	**BF50-../SPE08LA4**	1.8	6.1	12	18	22	520	560	560	560	560	83	11300	-
7	1.1	16.5	630	2.1	90.24	IE3	**BF50-../SPE08LA4**	1.6	5.5	11	16.5	19.5	580	630	630	630	630	83	11800	-
7	1.1	14.5	700	1.8	100.9	IE3	**BF50-../SPE08LA4**	1.4	4.9	9.9	14.5	17.5	650	700	700	700	700	83	12300	-
7	1.1	13	790	1.6	114	IE3	**BF50-../SPE08LA4**	1.3	4.3	8.7	13	15.5	740	790	790	790	790	83	12900	-
7	1.1	11.5	890	1.5	127.5	IE3	**BF50-../SPE08LA4**	1.1	3.9	7.8	11.5	14	820	890	890	890	890	83	13600	-
7	1.1	10.5	960	1.3	138.1	IE3	**BF50Z-../SPE08LA4**	1	3.6	7.2	10.5	13	890	960	960	960	960	88	13600	-
7	1.1	9.7	1080	1.2	154.5	IE3	**BF50Z-../SPE08LA4**	0.95	3.2	6.4	9.7	11.5	1000	1080	1080	1080	1080	88	13600	-
7	1.1	8.1	1280	1	183.5	IE3	**BF50Z-../SPE08LA4**	0.8	2.7	5.4	8.1	9.8	1190	1280	1280	1280	1280	88	13600	-
7	1.1	7.3	1430	0.91	205.2	IE3	**BF50Z-../SPE08LA4**	0.7	2.4	4.8	7.3	8.7	1330	1430	1430	1430	1430	88	13600	-
7	1.1	10.5	980	2.3	140.8	IE3	**BF60Z-../SPE08LA4**	1	3.5	7.1	10.5	12.5	910	980	980	980	980	131	15300	43300
7	1.1	8.8	1180	1.9	169.2	IE3	**BF60Z-../SPE08LA4**	0.85	2.9	5.9	8.8	10.5	1090	1180	1180	1180	1180	131	15300	43300

BF-series shaft-mounted geared motors

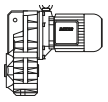
Selection - shaft-mounted geared motors - n_1 = 1500 $^1/_{min}$

MN = 7 Nm (PN = 1.1 kW)



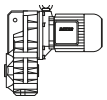
M_N	P_N	n_2	M_2	f_B	i	IE-Classe	Type	Speed range n_2 [1/min] at motor speed n_1 [1/min]					Torque range M_2 [Nm] at motor speed n_1 [1/min]					m	F_{RN}	F_{RV}
[Nm]	[kW]	[1/min]	[Nm]	[--]	[:1]			150	500	1000	1500	1800	150	500	1000	1500	1800	[kg]	[N]	[N]
7	1.1	7.9	1310	1.8	187.7	IE3	**BF60Z-../SPE08LA4**	0.75	2.6	5.3	7.9	9.5	1220	1310	1310	1310	1310	131	15300	43300
7	1.1	6.7	1540	1.5	221.4	IE3	**BF60Z-../SPE08LA4**	0.65	2.2	4.5	6.7	8.1	1430	1540	1540	1540	1540	131	15300	43300
7	1.1	6.1	1710	1.3	245.6	IE3	**BF60Z-../SPE08LA4**	0.6	2	4	6.1	7.3	1590	1710	1710	1710	1710	131	15300	43300
7	1.1	5.1	2050	1.1	293.4	IE3	**BF60Z-../SPE08LA4**	0.5	1.7	3.4	5.1	6.1	1900	2050	2050	2050	2050	131	15300	43300
7	1.1	4.6	2250	1	325.6	IE3	**BF60Z-../SPE08LA4**	0.46	1.5	3	4.6	5.5	2100	2250	2250	2250	2250	131	15300	43300
7	1.1	3.9	2650	0.86	380	IE3	**BF60Z-../SPE08LA4**	0.39	1.3	2.6	3.9	4.7	2450	2650	2650	2650	2650	131	15300	43300
7	1.1	5.7	1810	2.9	258.7	IE3	**BF70Z-../SPE08LA4**	0.55	1.9	3.8	5.7	6.9	1680	1810	1810	1810	1810	220	16100	47700
7	1.1	4.9	2100	2.5	301.8	IE3	**BF70Z-../SPE08LA4**	0.49	1.6	3.3	4.9	5.9	1960	2100	2100	2100	2100	220	16100	47700
7	1.1	4.3	2350	2.2	341.7	IE3	**BF70Z-../SPE08LA4**	0.43	1.4	2.9	4.3	5.2	2200	2350	2350	2350	2350	220	16100	47700
7	1.1	3.7	2750	1.9	398.7	IE3	**BF70Z-../SPE08LA4**	0.37	1.2	2.5	3.7	4.5	2550	2750	2750	2750	2750	220	16100	47700
7	1.1	3.4	3050	1.7	439.2	IE3	**BF70Z-../SPE08LA4**	0.34	1.1	2.2	3.4	4	2850	3050	3050	3050	3050	220	16100	47700
7	1.1	2.9	3550	1.4	512.4	IE3	**BF70Z-../SPE08LA4**	0.29	0.95	1.9	2.9	3.5	3300	3550	3550	3550	3550	220	16100	47700
7	1.1	2.8	3650	1.6	524.1	IE3	**BF70G20-../SPE08LA4**	0.28	0.95	1.9	2.8	3.4	3400	3650	3650	3650	3650	217	16100	47700
7	1.1	2.5	4000	1.4	577.5	IE3	**BF70G20-../SPE08LA4**	0.25	0.85	1.7	2.5	3.1	3750	4000	4000	4000	4000	217	16100	47700
7	1.1	2.2	4700	1.2	673.6	IE3	**BF70G20-../SPE08LA4**	0.22	0.7	1.4	2.2	2.6	4350	4700	4700	4700	4700	217	16100	47700
7	1.1	1.7	6100	0.93	872.1	IE3	**BF70G20-../SPE08LA4**	0.17	0.55	1.1	1.7	2	5600	6100	6100	6100	6100	217	16100	47700
7	1.1	1.4	7100	0.8	1017	IE3	**BF70G20-../SPE08LA4**	0.14	0.49	0.95	1.4	1.7	6600	7100	7100	7100	7100	217	16100	47700
7	1.1	2.9	3550	2.9	511.2	IE3	**BF80Z-../SPE08LA4**	0.29	0.95	1.9	2.9	3.5	3300	3550	3550	3550	3550	336	39600	75000
7	1.1	2.5	4050	2.6	583.4	IE3	**BF80Z-../SPE08LA4**	0.25	0.85	1.7	2.5	3	3750	4050	4050	4050	4050	336	39600	75000
7	1.1	2.2	4600	2.3	662.1	IE3	**BF80Z-../SPE08LA4**	0.22	0.75	1.5	2.2	2.7	4300	4600	4600	4600	4600	336	39600	75000
7	1.1	1.9	5300	1.9	770.6	IE3	**BF80Z-../SPE08LA4**	0.19	0.6	1.2	1.9	2.3	5000	5300	5300	5300	5300	336	39600	75000
7	1.1	1.7	6100	1.7	874.6	IE3	**BF80Z-../SPE08LA4**	0.17	0.55	1.1	1.7	2	5600	6100	6100	6100	6100	336	39600	75000
7	1.1	1.5	6900	1.5	990.4	IE3	**BF80Z-../SPE08LA4**	0.15	0.5	1	1.5	1.8	6400	6900	6900	6900	6900	336	39600	75000
7	1.1	1.3	7800	1.3	1124	IE3	**BF80Z-../SPE08LA4**	0.13	0.44	0.85	1.3	1.6	7300	7800	7800	7800	7800	336	39600	75000
7	1.1	1.1	9300	1.1	1329	IE3	**BF80G40-../SPE08LA4**	0.11	0.37	0.75	1.1	1.3	8600	9300	9300	9300	9300	341	39600	75000
7	1.1	1	10400	1	1491	IE3	**BF80G40-../SPE08LA4**	0.1	0.33	0.65	1	1.2	9600	10400	10400	10400	10400	341	39600	75000
7	1.1	0.85	11800	0.89	1693	IE3	**BF80G40-../SPE08LA4**	0.085	0.29	0.55	0.85	1	11000	11800	11800	11800	11800	341	39600	75000
7	1.1	1.5	6800	2.7	976.1	IE3	**BF90G50-../SPE08LA4**	0.15	0.5	1	1.5	1.8	6300	6800	6800	6800	6800	612	42800	120000
7	1.1	1.4	7300	2.5	1043	IE3	**BF90G50-../SPE08LA4**	0.14	0.47	0.95	1.4	1.7	6700	7300	7300	7300	7300	612	42800	120000
7	1.1	1.2	8400	2.2	1204	IE3	**BF90G50-../SPE08LA4**	0.12	0.41	0.8	1.2	1.4	7800	8400	8400	8400	8400	612	42800	120000
7	1.1	1	10100	1.8	1444	IE3	**BF90G50-../SPE08LA4**	0.1	0.34	0.65	1	1.2	9300	10100	10100	10100	10100	612	42800	120000
7	1.1	0.85	11700	1.6	1678	IE3	**BF90G50-../SPE08LA4**	0.085	0.29	0.55	0.85	1	10900	11700	11700	11700	11700	612	42800	120000
7	1.1	0.8	13000	1.4	1867	IE3	**BF90G50-../SPE08LA4**	0.08	0.26	0.5	0.8	0.95	12100	13000	13000	13000	13000	612	42800	120000
7	1.1	0.65	15000	1.2	2154	IE3	**BF90G50-../SPE08LA4**	0.065	0.23	0.46	0.65	0.8	14000	15000	15000	15000	15000	612	42800	120000
7	1.1	0.55	18500	1	2656	IE3	**BF90G50-../SPE08LA4**	0.055	0.18	0.37	0.55	0.65	17200	18500	18500	18500	18500	612	42800	120000
7	1.1	0.5	20500	0.9	2952	IE3	**BF90G50-../SPE08LA4**	0.05	0.16	0.33	0.5	0.6	19100	20500	20500	20500	20500	612	42800	120000
7	1.1	0.45	23000	0.8	3286	IE3	**BF90G50-../SPE08LA4**	0.045	0.15	0.3	0.45	0.5	21000	23000	23000	23000	23000	612	42800	120000

MN = 10 Nm (PN = 1.55 kW)



M_N	P_N	n_2	M_2	f_B	i	IE-Classe	Type	Speed range n_2 [1/min] at motor speed n_1 [1/min]					Torque range M_2 [Nm] at motor speed n_1 [1/min]					m	F_{RN}	F_{RV}
[Nm]	[kW]	[1/min]	[Nm]	[--]	[:1]			150	500	1000	1500	1800	150	500	1000	1500	1800	[kg]	[N]	[N]
10	1.55	260	57	1.1	5.72	IE1	**BF06-../SSE08LA4**	26	87	174	260	310	37	45.5	57	57	57	17	1600	-
10	1.55	195	76	0.89	7.66	IE1	**BF06-../SSE08LA4**	19.5	65	130	195	230	49.5	61	76	76	76	17	1800	-
10	1.55	265	56	2.5	5.6	IE4	**BF10-../S4E09SA4**	26.5	89	178	265	320	47.5	56	56	56	56	32	1950	-
10	1.55	265	56	2.5	5.6	IE1	**BF10-../SSE08LA4**	26.5	89	178	265	320	36	44.5	56	56	56	28	1950	-
10	1.55	197	75	2	7.58	IE4	**BF10-../S4E09SA4**	19.5	65	131	197	235	64	75	75	75	75	32	2200	-
10	1.55	197	75	2	7.58	IE1	**BF10-../SSE08LA4**	19.5	65	131	197	235	49	60	75	75	75	28	2200	-
10	1.55	154	96	1.8	9.69	IE4	**BF10-../S4E09SA4**	15	51	103	154	185	82	96	96	96	96	32	2350	-
10	1.55	154	96	1.8	9.69	IE1	**BF10-../SSE08LA4**	15	51	103	154	185	62	77	96	96	96	28	2350	-
10	1.55	126	118	1.5	11.84	IE4	**BF10-../S4E09SA4**	12.5	42	84	126	152	100	118	118	118	118	32	2500	-
10	1.55	126	118	1.5	11.84	IE1	**BF10-../SSE08LA4**	12.5	42	84	126	152	76	94	118	118	118	28	2500	-
10	1.55	99	150	1.2	15.04	IE1	**BF10-../SSE08LA4**	9.9	33	66	99	119	97	120	150	150	150	28	2800	-
10	1.55	99	150	1.2	15.04	IE4	**BF10-../S4E09SA4**	9.9	33	66	99	119	127	150	150	150	150	32	2800	-
10	1.55	82	182	1.3	18.23	IE4	**BF10-../S4E09SA4**	8.2	27	54	82	98	154	182	182	182	182	32	2900	-
10	1.55	82	182	1.3	18.23	IE1	**BF10-../SSE08LA4**	8.2	27	54	82	98	118	145	182	182	182	28	2900	-
10	1.55	74	200	1.2	20.05	IE4	**BF10-../S4E09SA4**	7.4	24.5	49.5	74	89	170	200	200	200	200	32	3000	-
10	1.55	74	200	1.2	20.05	IE1	**BF10-../SSE08LA4**	7.4	24.5	49.5	74	89	130	160	200	200	200	28	3000	-
10	1.55	64	230	1	23.28	IE4	**BF10-../S4E09SA4**	6.4	21	42.5	64	77	197	230	230	230	230	32	3200	-
10	1.55	64	230	1	23.28	IE1	**BF10-../SSE08LA4**	6.4	21	42.5	64	77	151	186	230	230	230	28	3200	-
10	1.55	58	255	0.94	25.6	IE4	**BF10-../S4E09SA4**	5.8	19.5	39	58	70	215	255	255	255	255	32	3350	-
10	1.55	58	255	0.94	25.6	IE1	**BF10-../SSE08LA4**	5.8	19.5	39	58	70	166	200	255	255	255	28	3350	-
10	1.55	52	280	0.84	28.47	IE4	**BF10-../S4E09SA4**	5.2	17.5	35	52	63	240	280	280	280	280	32	3450	-
10	1.55	52	280	0.84	28.47	IE1	**BF10-../SSE08LA4**	5.2	17.5	35	52	63	185	225	280	280	280	28	3450	-
10	1.55	187	80	2.8	8	IE1	**BF20-../SSE08LA4**	18.5	62	125	187	225	52	64	80	80	80	35	2850	-
10	1.55	187	80	2.8	8	IE4	**BF20-../S4E09SA4**	18.5	62	125	187	225	68	80	80	80	80	38	2850	-
10	1.55	142	105	2.4	10.51	IE4	**BF20-../S4E09SA4**	14	47.5	95	142	171	89	105	105	105	105	38	3100	-
10	1.55	142	105	2.4	10.51	IE1	**BF20-../SSE08LA4**	14	47.5	95	142	171	68	84	105	105	105	35	3100	-
10	1.55	113	131	2.2	13.18	IE1	**BF20-../SSE08LA4**	11	37.5	75	113	136	85	105	131	131	131	35	3300	-
10	1.55	113	131	2.2	13.18	IE4	**BF20-../S4E09SA4**	11	37.5	75	113	136	112	131	131	131	131	38	3300	-
10	1.55	96	155	2	15.54	IE4	**BF20-../S4E09SA4**	9.6	32	64	96	115	132	155	155	155	155	38	3450	-
10	1.55	96	155	2	15.54	IE1	**BF20-../SSE08LA4**	9.6	32	64	96	115	101	124	155	155	155	35	3450	-

MN = 10 Nm (PN = 1.55 kW)

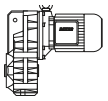


M_N	P_N	n_2	M_2	f_B	i	IE-Classe	Type	Speed range n_2 [1/min] at motor speed n_1 [1/min]					Torque range M_2 [Nm] at motor speed n_1 [1/min]					m	F_{RN}	F_{RV}
[Nm]	[kW]	[1/min]	[Nm]	[--]	[:1]			150	500	1000	1500	1800	150	500	1000	1500	1800	[kg]	[N]	[N]
10	1.55	89	167	2.1	16.77	IE4	**BF20-../S4E09SA4**	8.9	29.5	59	89	107	142	167	167	167	167	38	3500	-
10	1.55	89	167	2.1	16.77	IE1	**BF20-../SSE08LA4**	8.9	29.5	59	89	107	109	134	167	167	167	35	3500	-
10	1.55	81	184	2	18.45	IE1	**BF20-../SSE08LA4**	8.1	27	54	81	97	119	147	184	184	184	35	3600	-
10	1.55	81	184	2	18.45	IE4	**BF20-../S4E09SA4**	8.1	27	54	81	97	156	184	184	184	184	38	3600	-
10	1.55	68	220	1.8	22.04	IE1	**BF20-../SSE08LA4**	6.8	22.5	45	68	81	143	176	220	220	220	35	3800	-
10	1.55	68	220	1.8	22.04	IE4	**BF20-../S4E09SA4**	6.8	22.5	45	68	81	187	220	220	220	220	38	3800	-
10	1.55	61	240	1.6	24.25	IE1	**BF20-../SSE08LA4**	6.1	20.5	41	61	74	157	194	240	240	240	35	3950	-
10	1.55	61	240	1.6	24.25	IE4	**BF20-../S4E09SA4**	6.1	20.5	41	61	74	205	240	240	240	240	38	3950	-
10	1.55	54	275	1.5	27.62	IE1	**BF20-../SSE08LA4**	5.4	18	36	54	65	179	220	275	275	275	35	4150	-
10	1.55	54	275	1.5	27.62	IE4	**BF20-../S4E09SA4**	5.4	18	36	54	65	230	275	275	275	275	38	4150	-
10	1.55	49	300	1.4	30.4	IE1	**BF20-../SSE08LA4**	4.9	16	32.5	49	59	197	240	300	300	300	35	4400	-
10	1.55	49	300	1.4	30.4	IE4	**BF20-../S4E09SA4**	4.9	16	32.5	49	59	255	300	300	300	300	38	4400	-
10	1.55	46	325	1.3	32.58	IE4	**BF20-../S4E09SA4**	4.6	15	30.5	46	55	275	325	325	325	325	38	4450	-
10	1.55	46	325	1.3	32.58	IE1	**BF20-../SSE08LA4**	4.6	15	30.5	46	55	210	260	325	325	325	35	4450	-
10	1.55	41.5	355	1.2	35.85	IE1	**BF20-../SSE08LA4**	4.1	13.5	27.5	41.5	50	230	285	355	355	355	35	4650	-
10	1.55	41.5	355	1.2	35.85	IE4	**BF20-../S4E09SA4**	4.1	13.5	27.5	41.5	50	300	355	355	355	355	38	4650	-
10	1.55	35.5	415	1	41.72	IE4	**BF20-../S4E09SA4**	3.5	11.5	23.5	35.5	43	350	415	415	415	415	38	4950	-
10	1.55	35.5	415	1	41.72	IE1	**BF20-../SSE08LA4**	3.5	11.5	23.5	35.5	43	270	330	415	415	415	35	4950	-
10	1.55	32.5	455	0.92	45.9	IE1	**BF20-../SSE08LA4**	3.2	10.5	21.5	32.5	39	295	365	455	455	455	35	5100	-
10	1.55	32.5	455	0.92	45.9	IE4	**BF20-../S4E09SA4**	3.2	10.5	21.5	32.5	39	390	455	455	455	455	38	5100	-
10	1.55	30.5	485	0.86	48.56	IE1	**BF20-../SSE08LA4**	3	10	20.5	30.5	37	315	385	485	485	485	35	5200	-
10	1.55	30.5	485	0.86	48.56	IE4	**BF20-../S4E09SA4**	3	10	20.5	30.5	37	410	485	485	485	485	38	5200	-
10	1.55	116	129	2.8	12.91	IE1	**BF30-../SSE08LA4**	11.5	38.5	77	116	139	83	103	129	129	129	45	3050	-
10	1.55	116	129	2.8	12.91	IE4	**BF30-../S4E09SA4**	11.5	38.5	77	116	139	109	129	129	129	129	49	3050	-
10	1.55	93	160	2.5	16	IE1	**BF30-../SSE08LA4**	9.3	31	62	93	112	104	128	160	160	160	45	3250	-
10	1.55	93	160	2.5	16	IE4	**BF30-../S4E09SA4**	9.3	31	62	93	112	136	160	160	160	160	49	3250	-
10	1.55	84	176	2.7	17.65	IE1	**BF30-../SSE08LA4**	8.4	28	56	84	101	114	141	176	176	176	45	3300	-
10	1.55	84	176	2.7	17.65	IE4	**BF30-../S4E09SA4**	8.4	28	56	84	101	150	176	176	176	176	49	3300	-
10	1.55	77	194	2.6	19.41	IE1	**BF30-../SSE08LA4**	7.7	25.5	51	77	92	126	155	194	194	194	45	3400	-
10	1.55	77	194	2.6	19.41	IE4	**BF30-../S4E09SA4**	7.7	25.5	51	77	92	164	194	194	194	194	49	3400	-
10	1.55	68	215	2.4	21.85	IE4	**BF30-../S4E09SA4**	6.8	22.5	45.5	68	82	185	215	215	215	215	49	3500	-
10	1.55	68	215	2.4	21.85	IE1	**BF30-../SSE08LA4**	6.8	22.5	45.5	68	82	142	174	215	215	215	45	3500	-
10	1.55	62	240	2.3	24.03	IE4	**BF30-../S4E09SA4**	6.2	20.5	41.5	62	74	200	240	240	240	240	49	3600	-
10	1.55	62	240	2.3	24.03	IE1	**BF30-../SSE08LA4**	6.2	20.5	41.5	62	74	156	192	240	240	240	45	3600	-
10	1.55	53	280	2	28.23	IE4	**BF30-../S4E09SA4**	5.3	17.5	35	53	63	235	280	280	280	280	49	3800	-
10	1.55	53	280	2	28.23	IE1	**BF30-../SSE08LA4**	5.3	17.5	35	53	63	183	225	280	280	280	45	3800	-
10	1.55	48	310	1.8	31.05	IE4	**BF30-../S4E09SA4**	4.8	16	32	48	57	260	310	310	310	310	49	4000	-
10	1.55	48	310	1.8	31.05	IE1	**BF30-../SSE08LA4**	4.8	16	32	48	57	200	245	310	310	310	45	4000	-
10	1.55	42.5	350	1.6	35	IE4	**BF30-../S4E09SA4**	4.2	14	28.5	42.5	51	295	350	350	350	350	49	4200	-
10	1.55	42.5	350	1.6	35	IE1	**BF30-../SSE08LA4**	4.2	14	28.5	42.5	51	225	280	350	350	350	45	4200	-
10	1.55	38.5	380	1.5	38.49	IE4	**BF30-../S4E09SA4**	3.8	12.5	25.5	38.5	46.5	325	380	380	380	380	49	4400	-
10	1.55	38.5	380	1.5	38.49	IE1	**BF30-../SSE08LA4**	3.8	12.5	25.5	38.5	46.5	250	305	380	380	380	45	4400	-
10	1.55	36.5	410	1.4	41.01	IE4	**BF30-../S4E09SA4**	3.6	12	24	36.5	43.5	345	410	410	410	410	49	4500	-
10	1.55	36.5	410	1.4	41.01	IE1	**BF30-../SSE08LA4**	3.6	12	24	36.5	43.5	265	325	410	410	410	45	4500	-
10	1.55	33	450	1.3	45.1	IE4	**BF30-../S4E09SA4**	3.3	11	22	33	39.5	380	450	450	450	450	49	4700	-
10	1.55	33	450	1.3	45.1	IE1	**BF30-../SSE08LA4**	3.3	11	22	33	39.5	290	360	450	450	450	45	4700	-
10	1.55	28.5	520	1.1	52.2	IE1	**BF30-../SSE08LA4**	2.8	9.5	19	28.5	34	335	415	520	520	520	45	5000	-
10	1.55	28.5	520	1.1	52.2	IE4	**BF30-../S4E09SA4**	2.8	9.5	19	28.5	34	440	520	520	520	520	49	5000	-
10	1.55	26	570	0.99	57.41	IE4	**BF30-../S4E09SA4**	2.6	8.7	17	26	31	485	570	570	570	570	49	5200	-
10	1.55	26	570	0.99	57.41	IE1	**BF30-../SSE08LA4**	2.6	8.7	17	26	31	370	455	570	570	570	45	5200	-
10	1.55	24.5	610	0.93	61.17	IE4	**BF30-../S4E09SA4**	2.4	8.1	16	24.5	29	510	610	610	610	610	49	5300	-
10	1.55	24.5	610	0.93	61.17	IE1	**BF30-../SSE08LA4**	2.4	8.1	16	24.5	29	395	485	610	610	610	45	5300	-
10	1.55	22	670	0.85	67.28	IE1	**BF30-../SSE08LA4**	2.2	7.4	14.5	22	26.5	435	530	670	670	670	45	5500	-
10	1.55	22	670	0.85	67.28	IE4	**BF30-../S4E09SA4**	2.2	7.4	14.5	22	26.5	570	670	670	670	670	49	5500	-
10	1.55	55	265	2.9	26.86	IE1	**BF40-../SSE08LA4**	5.5	18.5	37	55	67	174	210	265	265	265	54	5600	-
10	1.55	55	265	2.9	26.86	IE4	**BF40-../S4E09SA4**	5.5	18.5	37	55	67	225	265	265	265	265	58	5600	-
10	1.55	50	295	2.7	29.55	IE4	**BF40-../S4E09SA4**	5	16.5	33.5	50	60	250	295	295	295	295	58	5800	-
10	1.55	50	295	2.7	29.55	IE1	**BF40-../SSE08LA4**	5	16.5	33.5	50	60	192	235	295	295	295	54	5800	-
10	1.55	43.5	340	2.5	34.21	IE4	**BF40-../S4E09SA4**	4.3	14.5	29	43.5	52	290	340	340	340	340	58	6000	-
10	1.55	43.5	340	2.5	34.21	IE1	**BF40-../SSE08LA4**	4.3	14.5	29	43.5	52	220	270	340	340	340	54	6000	-
10	1.55	39.5	375	2.4	37.64	IE1	**BF40-../SSE08LA4**	3.9	13	26.5	39.5	47.5	240	300	375	375	375	54	6200	-
10	1.55	39.5	375	2.4	37.64	IE4	**BF40-../S4E09SA4**	3.9	13	26.5	39.5	47.5	315	375	375	375	375	58	6200	-
10	1.55	36	410	2.2	41.42	IE4	**BF40-../S4E09SA4**	3.6	12	24	36	43	350	410	410	410	410	58	6500	-
10	1.55	36	410	2.2	41.42	IE1	**BF40-../SSE08LA4**	3.6	12	24	36	43	265	330	410	410	410	54	6500	-
10	1.55	32.5	455	2	45.56	IE1	**BF40-../SSE08LA4**	3.2	10.5	21.5	32.5	39.5	295	360	455	455	455	54	6800	-
10	1.55	32.5	455	2	45.56	IE4	**BF40-../S4E09SA4**	3.2	10.5	21.5	32.5	39.5	385	455	455	455	455	58	6800	-
10	1.55	30.5	485	1.8	48.92	IE1	**BF40-../SSE08LA4**	3	10	20	30.5	36.5	315	390	485	485	485	54	7000	-
10	1.55	30.5	485	1.8	48.92	IE4	**BF40-../S4E09SA4**	3	10	20	30.5	36.5	415	485	485	485	485	58	7000	-
10	1.55	27.5	530	1.7	53.82	IE4	**BF40-../S4E09SA4**	2.7	9.2	18.5	27.5	33	455	530	530	530	530	58	7200	-
10	1.55	27.5	530	1.7	53.82	IE1	**BF40-../SSE08LA4**	2.7	9.2	18.5	27.5	33	345	430	530	530	530	54	7200	-
10	1.55	24	610	1.5	61.25	IE4	**BF40-../S4E09SA4**	2.4	8.1	16	24	29	520	610	610	610	610	58	7600	-
10	1.55	24	610	1.5	61.25	IE1	**BF40-../SSE08LA4**	2.4	8.1	16	24	29	395	490	610	610	610	54	7600	-
10	1.55	22	670	1.3	67.38	IE4	**BF40-../S4E09SA4**	2.2	7.4	14.5	22	26.5	570	670	670	670	670	58	8000	-
10	1.55	22	670	1.3	67.38	IE1	**BF40-../SSE08LA4**	2.2	7.4	14.5	22	26.5	435	530	670	670	670	54	8000	-
10	1.55	21	710	1.3	71.4	IE4	**BF40-../S4E09SA4**	2.1	7	14	21	25	600	710	710	710	710	58	8100	-
10	1.55	21	710	1.3	71.4	IE1	**BF40-../SSE08LA4**	2.1	7	14	21	25	460	570	710	710	710	54	8100	-
10	1.55	19	780	1.1	78.55	IE4	**BF40-../S4E09SA4**	1.9	6.3	12.5	19	22.5	660	780	780	780	780	58	8500	-
10	1.55	19	780	1.1	78.55	IE1	**BF40-../SSE08LA4**	1.9	6.3	12.5	19	22.5	510	620	780	780	780	54	8500	-
10	1.55	17.5	830	1.1	83.91	IE1	**BF40-../SSE08LA4**	1.7	5.9	11.5	17.5	21	540	670	830	830	830	54	8700	-
10	1.55	17.5	830	1.1	83.91	IE4	**BF40-../S4E09SA4**	1.7	5.9	11.5	17.5	21	710	830	830	830	830	58	8700	-
10	1.55	16	920	0.97	92.31	IE4	**BF40-../S4E09SA4**	1.6	5.4	10.5	16	19	780	920	920	920	920	58	9100	-

BF-series shaft-mounted geared motors

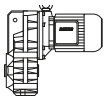
Selection - shaft-mounted geared motors - n_1 = 1500 $^1/_{min}$

MN = 10 Nm (PN = 1.55 kW)



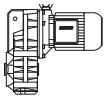
M_N	P_N	n_2	M_2	f_B	i	IE-Classe	Type	Speed range n_2 [1/min] at motor speed n_1 [1/min]					Torque range M_2 [Nm] at motor speed n_1 [1/min]					m	F_{RN}	F_{RV}
[Nm]	[kW]	[1/min]	[Nm]	[--]	[:1]			150	500	1000	1500	1800	150	500	1000	1500	1800	[kg]	[N]	[N]
10	1.55	16	920	0.97	92.31	IE1	**BF40-../SSE08LA4**	1.6	5.4	10.5	16	19	600	730	920	920	920	54	9100	-
10	1.55	14.5	1010	0.89	101	IE4	**BF40-../S4E09SA4**	1.4	4.9	9.9	14.5	17.5	850	1010	1010	1010	1010	58	9400	-
10	1.55	14.5	1010	0.89	101	IE1	**BF40-../SSE08LA4**	1.4	4.9	9.9	14.5	17.5	650	800	1010	1010	1010	54	9400	-
10	1.55	13.5	1110	0.81	111.1	IE1	**BF40-../SSE08LA4**	1.3	4.5	9	13.5	16	720	880	1110	1110	1110	54	9800	-
10	1.55	13.5	1110	0.81	111.1	IE4	**BF40-../S4E09SA4**	1.3	4.5	9	13.5	16	940	1110	1110	1110	1110	58	9800	-
10	1.55	31.5	470	2.8	47.14	IE4	**BF50-../S4E09SA4**	3.1	10.5	21	31.5	38	400	470	470	470	470	86	8900	-
10	1.55	31.5	470	2.8	47.14	IE1	**BF50-../SSE08LA4**	3.1	10.5	21	31.5	38	305	375	470	470	470	83	8900	-
10	1.55	26	560	2.3	56.86	IE4	**BF50-../S4E09SA4**	2.6	8.7	17.5	26	31.5	480	560	560	560	560	86	9300	-
10	1.55	26	560	2.3	56.86	IE1	**BF50-../SSE08LA4**	2.6	8.7	17.5	26	31.5	365	450	560	560	560	83	9300	-
10	1.55	23.5	630	2	63.59	IE1	**BF50-../SSE08LA4**	2.3	7.8	15.5	23.5	28	410	500	630	630	630	83	9800	-
10	1.55	23.5	630	2	63.59	IE4	**BF50-../S4E09SA4**	2.3	7.8	15.5	23.5	28	540	630	630	630	630	86	9800	-
10	1.55	20.5	720	1.8	72.72	IE4	**BF50-../S4E09SA4**	2	6.8	13.5	20.5	24.5	610	720	720	720	720	86	10700	-
10	1.55	20.5	720	1.8	72.72	IE1	**BF50-../SSE08LA4**	2	6.8	13.5	20.5	24.5	470	580	720	720	720	83	10700	-
10	1.55	18	810	1.6	81.33	IE4	**BF50-../S4E09SA4**	1.8	6.1	12	18	22	690	810	810	810	810	86	11300	-
10	1.55	18	810	1.6	81.33	IE1	**BF50-../SSE08LA4**	1.8	6.1	12	18	22	520	650	810	810	810	83	11300	-
10	1.55	16.5	900	1.4	90.24	IE1	**BF50-../SSE08LA4**	1.6	5.5	11	16.5	19.5	580	720	900	900	900	83	11800	-
10	1.55	16.5	900	1.4	90.24	IE4	**BF50-../S4E09SA4**	1.6	5.5	11	16.5	19.5	760	900	900	900	900	86	11800	-
10	1.55	14.5	1000	1.3	100.9	IE1	**BF50-../SSE08LA4**	1.4	4.9	9.9	14.5	17.5	650	800	1000	1000	1000	83	12300	-
10	1.55	14.5	1000	1.3	100.9	IE4	**BF50-../S4E09SA4**	1.4	4.9	9.9	14.5	17.5	850	1000	1000	1000	1000	86	12300	-
10	1.55	13	1140	1.1	114	IE1	**BF50-../SSE08LA4**	1.3	4.3	8.7	13	15.5	740	910	1140	1140	1140	83	12900	-
10	1.55	13	1140	1.1	114	IE4	**BF50-../S4E09SA4**	1.3	4.3	8.7	13	15.5	960	1140	1140	1140	1140	86	12900	-
10	1.55	11.5	1270	1	127.5	IE4	**BF50-../S4E09SA4**	1.1	3.9	7.8	11.5	14	1080	1270	1270	1270	1270	86	13600	-
10	1.55	11.5	1270	1	127.5	IE1	**BF50-../SSE08LA4**	1.1	3.9	7.8	11.5	14	820	1020	1270	1270	1270	83	13600	-
10	1.55	10.5	1380	0.94	138.1	IE1	**BF50Z-../SSE08LA4**	1	3.6	7.2	10.5	13	890	1100	1380	1380	1380	88	13600	-
10	1.55	10.5	1380	0.94	138.1	IE4	**BF50Z-../S4E09SA4**	1	3.6	7.2	10.5	13	1170	1380	1380	1380	1380	91	13600	-
10	1.55	9.7	1540	0.84	154.5	IE4	**BF50Z-../S4E09SA4**	0.95	3.2	6.4	9.7	11.5	1310	1540	1540	1540	1540	91	13600	-
10	1.55	9.7	1540	0.84	154.5	IE1	**BF50Z-../SSE08LA4**	0.95	3.2	6.4	9.7	11.5	1000	1230	1540	1540	1540	88	13600	-
10	1.55	18.5	800	2.9	80.05	IE4	**BF60-../S4E09SA4**	1.8	6.2	12	18.5	22	680	800	800	800	800	116	12600	35600
10	1.55	16	930	2.5	93.44	IE4	**BF60-../S4E09SA4**	1.6	5.3	10.5	16	19	790	930	930	930	930	116	13500	38200
10	1.55	14	1030	2.2	103.7	IE4	**BF60-../S4E09SA4**	1.4	4.8	9.6	14	17	880	1030	1030	1030	1030	116	14100	39900
10	1.55	13	1130	2	113.1	IE4	**BF60-../S4E09SA4**	1.3	4.4	8.8	13	15.5	960	1130	1130	1130	1130	116	14600	41300
10	1.55	11.5	1250	1.8	125.5	IE4	**BF60-../S4E09SA4**	1.1	3.9	7.9	11.5	14	1060	1250	1250	1250	1250	116	15300	43300
10	1.55	10.5	1400	1.6	140.8	IE1	**BF60Z-../SSE08LA4**	1	3.5	7.1	10.5	12.5	910	1120	1400	1400	1400	131	15300	43300
10	1.55	10.5	1400	1.6	140.8	IE4	**BF60Z-../S4E09SA4**	1	3.5	7.1	10.5	12.5	1190	1400	1400	1400	1400	135	15300	43300
10	1.55	8.8	1690	1.4	169.2	IE4	**BF60Z-../S4E09SA4**	0.85	2.9	5.9	8.8	10.5	1430	1690	1690	1690	1690	135	15300	43300
10	1.55	8.8	1690	1.4	169.2	IE1	**BF60Z-../SSE08LA4**	0.85	2.9	5.9	8.8	10.5	1090	1350	1690	1690	1690	131	15300	43300
10	1.55	7.9	1870	1.2	187.7	IE1	**BF60Z-../SSE08LA4**	0.75	2.6	5.3	7.9	9.5	1220	1500	1870	1870	1870	131	15300	43300
10	1.55	7.9	1870	1.2	187.7	IE4	**BF60Z-../S4E09SA4**	0.75	2.6	5.3	7.9	9.5	1590	1870	1870	1870	1870	135	15300	43300
10	1.55	6.7	2200	1	221.4	IE1	**BF60Z-../SSE08LA4**	0.65	2.2	4.5	6.7	8.1	1430	1770	2200	2200	2200	131	15300	43300
10	1.55	6.7	2200	1	221.4	IE4	**BF60Z-../S4E09SA4**	0.65	2.2	4.5	6.7	8.1	1880	2200	2200	2200	2200	135	15300	43300
10	1.55	6.1	2450	0.94	245.6	IE1	**BF60Z-../SSE08LA4**	0.6	2	4	6.1	7.3	1590	1960	2450	2450	2450	131	15300	43300
10	1.55	6.1	2450	0.94	245.6	IE4	**BF60Z-../S4E09SA4**	0.6	2	4	6.1	7.3	2050	2450	2450	2450	2450	135	15300	43300
10	1.55	8.3	1790	2.9	179.7	IE4	**BF70Z-../S4E09SA4**	0.8	2.7	5.5	8.3	10	1520	1790	1790	1790	1790	223	16100	47700
10	1.55	8.3	1790	2.9	179.7	IE1	**BF70Z-../SSE08LA4**	0.8	2.7	5.5	8.3	10	1160	1430	1790	1790	1790	220	16100	47700
10	1.55	7.5	1990	2.6	199.7	IE4	**BF70Z-../S4E09SA4**	0.75	2.5	5	7.5	9	1690	1990	1990	1990	1990	223	16100	47700
10	1.55	7.5	1990	2.6	199.7	IE1	**BF70Z-../SSE08LA4**	0.75	2.5	5	7.5	9	1290	1590	1990	1990	1990	220	16100	47700
10	1.55	6.4	2300	2.2	233	IE4	**BF70Z-../S4E09SA4**	0.6	2.1	4.2	6.4	7.7	1980	2300	2300	2300	2300	223	16100	47700
10	1.55	6.4	2300	2.2	233	IE1	**BF70Z-../SSE08LA4**	0.6	2.1	4.2	6.4	7.7	1510	1860	2300	2300	2300	220	16100	47700
10	1.55	5.7	2550	2	258.7	IE1	**BF70Z-../SSE08LA4**	0.55	1.9	3.8	5.7	6.9	1680	2050	2550	2550	2550	220	16100	47700
10	1.55	5.7	2550	2	258.7	IE4	**BF70Z-../S4E09SA4**	0.55	1.9	3.8	5.7	6.9	2150	2550	2550	2550	2550	223	16100	47700
10	1.55	4.9	3000	1.7	301.8	IE1	**BF70Z-../SSE08LA4**	0.49	1.6	3.3	4.9	5.9	1960	2400	3000	3000	3000	220	16100	47700
10	1.55	4.9	3000	1.7	301.8	IE4	**BF70Z-../S4E09SA4**	0.49	1.6	3.3	4.9	5.9	2550	3000	3000	3000	3000	223	16100	47700
10	1.55	4.3	3400	1.5	341.7	IE4	**BF70Z-../S4E09SA4**	0.43	1.4	2.9	4.3	5.2	2900	3400	3400	3400	3400	223	16100	47700
10	1.55	4.3	3400	1.5	341.7	IE1	**BF70Z-../SSE08LA4**	0.43	1.4	2.9	4.3	5.2	2200	2700	3400	3400	3400	220	16100	47700
10	1.55	3.7	3950	1.3	398.7	IE1	**BF70Z-../SSE08LA4**	0.37	1.2	2.5	3.7	4.5	2550	3150	3950	3950	3950	220	16100	47700
10	1.55	3.7	3950	1.3	398.7	IE4	**BF70Z-../S4E09SA4**	0.37	1.2	2.5	3.7	4.5	3350	3950	3950	3950	3950	223	16100	47700
10	1.55	3.4	4350	1.2	439.2	IE1	**BF70Z-../SSE08LA4**	0.34	1.1	2.2	3.4	4	2850	3500	4350	4350	4350	220	16100	47700
10	1.55	3.4	4350	1.2	439.2	IE4	**BF70Z-../S4E09SA4**	0.34	1.1	2.2	3.4	4	3700	4350	4350	4350	4350	223	16100	47700
10	1.55	2.9	5100	1	512.4	IE4	**BF70Z-../S4E09SA4**	0.29	0.95	1.9	2.9	3.5	4350	5100	5100	5100	5100	223	16100	47700
10	1.55	2.9	5100	1	512.4	IE1	**BF70Z-../SSE08LA4**	0.29	0.95	1.9	2.9	3.5	3300	4050	5100	5100	5100	220	16100	47700
10	1.55	2.8	5200	1.1	524.1	IE1	**BF70G20-../SSE08LA4**	0.28	0.95	1.9	2.8	3.4	3400	4150	5200	5200	5200	217	16100	47700
10	1.55	2.8	5200	1.1	524.1	IE4	**BF70G20-../S4E09SA4**	0.28	0.95	1.9	2.8	3.4	4450	5200	5200	5200	5200	221	16100	47700
10	1.55	2.5	5700	0.99	577.5	IE4	**BF70G20-../S4E09SA4**	0.25	0.85	1.7	2.5	3.1	4900	5700	5700	5700	5700	221	16100	47700
10	1.55	2.5	5700	0.99	577.5	IE1	**BF70G20-../SSE08LA4**	0.25	0.85	1.7	2.5	3.1	3750	4600	5700	5700	5700	217	16100	47700
10	1.55	2.2	6700	0.85	673.6	IE1	**BF70G20-../SSE08LA4**	0.22	0.7	1.4	2.2	2.6	4350	5300	6700	6700	6700	217	16100	47700
10	1.55	2.2	6700	0.85	673.6	IE4	**BF70G20-../S4E09SA4**	0.22	0.7	1.4	2.2	2.6	5700	6700	6700	6700	6700	221	16100	47700
10	1.55	4.3	3450	3	347.3	IE1	**BF80Z-../SSE08LA4**	0.43	1.4	2.8	4.3	5.1	2250	2750	3450	3450	3450	336	39600	75000
10	1.55	4.3	3450	3	347.3	IE4	**BF80Z-../S4E09SA4**	0.43	1.4	2.8	4.3	5.1	2950	3450	3450	3450	3450	340	39600	75000
10	1.55	3.8	3900	2.7	394.2	IE1	**BF80Z-../SSE08LA4**	0.38	1.2	2.5	3.8	4.5	2550	3150	3900	3900	3900	336	39600	75000
10	1.55	3.8	3900	2.7	394.2	IE4	**BF80Z-../S4E09SA4**	0.38	1.2	2.5	3.8	4.5	3350	3900	3900	3900	3900	340	39600	75000
10	1.55	3.3	4500	2.3	450.4	IE4	**BF80Z-../S4E09SA4**	0.33	1.1	2.2	3.3	3.9	3800	4500	4500	4500	4500	340	39600	75000
10	1.55	3.3	4500	2.3	450.4	IE1	**BF80Z-../SSE08LA4**	0.33	1.1	2.2	3.3	3.9	2900	3600	4500	4500	4500	336	39600	75000
10	1.55	2.9	5100	2.1	511.2	IE4	**BF80Z-../S4E09SA4**	0.29	0.95	1.9	2.9	3.5	4300	5100	5100	5100	5100	340	39600	75000
10	1.55	2.9	5100	2.1	511.2	IE1	**BF80Z-../SSE08LA4**	0.29	0.95	1.9	2.9	3.5	3300	4050	5100	5100	5100	336	39600	75000
10	1.55	2.5	5800	1.8	583.4	IE1	**BF80Z-../SSE08LA4**	0.25	0.85	1.7	2.5	3	3750	4650	5800	5800	5800	336	39600	75000
10	1.55	2.5	5800	1.8	583.4	IE4	**BF80Z-../S4E09SA4**	0.25	0.85	1.7	2.5	3	4950	5800	5800	5800	5800	340	39600	75000
10	1.55	2.2	6600	1.6	662.1	IE4	**BF80Z-../S4E09SA4**	0.22	0.75	1.5	2.2	2.7	5600	6600	6600	6600	6600	340	39600	75000
10	1.55	2.2	6600	1.6	662.1	IE1	**BF80Z-../SSE08LA4**	0.22	0.75	1.5	2.2	2.7	4300	5200	6600	6600	6600	336	39600	75000
10	1.55	1.9	7700	1.4	770.6	IE1	**BF80Z-../SSE08LA4**	0.19	0.6	1.2	1.9	2.3	5000	6100	7700	7700	7700	336	39600	75000

MN = 10 Nm (PN = 1.55 kW)



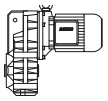
M_N	P_N	n_2	M_2	f_B	i	IE-Classe	Type	Speed range n_2 [1/min] at motor speed n_1 [1/min]					Torque range M_2 [Nm] at motor speed n_1 [1/min]					m	F_{RN}	F_{RV}
[Nm]	[kW]	[1/min]	[Nm]	[--]	[:1]			150	500	1000	1500	1800	150	500	1000	1500	1800	[kg]	[N]	[N]
10	1.55	1.9	7700	1.4	770.6	IE4	**BF80Z-../S4E09SA4**	0.19	0.6	1.2	1.9	2.3	6500	7700	7700	7700	7700	340	39600	75000
10	1.55	1.7	8700	1.2	874.6	IE4	**BF80Z-../S4E09SA4**	0.17	0.55	1.1	1.7	2	7400	8700	8700	8700	8700	340	39600	75000
10	1.55	1.7	8700	1.2	874.6	IE1	**BF80Z-../SSE08LA4**	0.17	0.55	1.1	1.7	2	5600	6900	8700	8700	8700	336	39600	75000
10	1.55	1.5	9900	1.1	990.4	IE1	**BF80Z-../SSE08LA4**	0.15	0.5	1	1.5	1.8	6400	7900	9900	9900	9900	336	39600	75000
10	1.55	1.5	9900	1.1	990.4	IE4	**BF80Z-../S4E09SA4**	0.15	0.5	1	1.5	1.8	8400	9900	9900	9900	9900	340	39600	75000
10	1.55	1.3	11200	0.93	1124	IE4	**BF80Z-../S4E09SA4**	0.13	0.44	0.85	1.3	1.6	9500	11200	11200	11200	11200	340	39600	75000
10	1.55	1.3	11200	0.93	1124	IE1	**BF80Z-../SSE08LA4**	0.13	0.44	0.85	1.3	1.6	7300	8900	11200	11200	11200	336	39600	75000
10	1.55	2.2	6500	2.8	658.1	IE4	**BF90Z-../S4E09SA4**	0.22	0.75	1.5	2.2	2.7	5500	6500	6500	6500	6500	604	42800	120000
10	1.55	1.9	7500	2.4	759	IE4	**BF90Z-../S4E09SA4**	0.19	0.65	1.3	1.9	2.3	6400	7500	7500	7500	7500	604	42800	120000
10	1.55	1.7	8400	2.2	845.1	IE4	**BF90Z-../S4E09SA4**	0.17	0.55	1.1	1.7	2.1	7100	8400	8400	8400	8400	604	42800	120000
10	1.55	1.5	9700	1.9	976.1	IE1	**BF90G50-../SSE08LA4**	0.15	0.5	1	1.5	1.8	6300	7800	9700	9700	9700	612	42800	120000
10	1.55	1.5	9700	1.9	976.1	IE4	**BF90G50-../S4E09SA4**	0.15	0.5	1	1.5	1.8	8200	9700	9700	9700	9700	616	42800	120000
10	1.55	1.4	10400	1.8	1043	IE4	**BF90G50-../S4E09SA4**	0.14	0.47	0.95	1.4	1.7	8800	10400	10400	10400	10400	616	42800	120000
10	1.55	1.4	10400	1.8	1043	IE1	**BF90G50-../SSE08LA4**	0.14	0.47	0.95	1.4	1.7	6700	8300	10400	10400	10400	612	42800	120000
10	1.55	1.2	12000	1.5	1204	IE1	**BF90G50-../SSE08LA4**	0.12	0.41	0.8	1.2	1.4	7800	9600	12000	12000	12000	612	42800	120000
10	1.55	1.2	12000	1.5	1204	IE4	**BF90G50-../S4E09SA4**	0.12	0.41	0.8	1.2	1.4	10200	12000	12000	12000	12000	616	42800	120000
10	1.55	1	14400	1.3	1444	IE1	**BF90G50-../SSE08LA4**	0.1	0.34	0.65	1	1.2	9300	11500	14400	14400	14400	612	42800	120000
10	1.55	1	14400	1.3	1444	IE4	**BF90G50-../S4E09SA4**	0.1	0.34	0.65	1	1.2	12200	14400	14400	14400	14400	616	42800	120000
10	1.55	0.85	16700	1.1	1678	IE4	**BF90G50-../S4E09SA4**	0.085	0.29	0.55	0.85	1	14200	16700	16700	16700	16700	616	42800	120000
10	1.55	0.85	16700	1.1	1678	IE1	**BF90G50-../SSE08LA4**	0.085	0.29	0.55	0.85	1	10900	13400	16700	16700	16700	612	42800	120000
10	1.55	0.8	18600	0.99	1867	IE1	**BF90G50-../SSE08LA4**	0.08	0.26	0.5	0.8	0.95	12100	14900	18600	18600	18600	612	42800	120000
10	1.55	0.8	18600	0.99	1867	IE4	**BF90G50-../S4E09SA4**	0.08	0.26	0.5	0.8	0.95	15800	18600	18600	18600	18600	616	42800	120000
10	1.55	0.65	21500	0.86	2154	IE4	**BF90G50-../S4E09SA4**	0.065	0.23	0.46	0.65	0.8	18300	21500	21500	21500	21500	616	42800	120000
10	1.55	0.65	21500	0.86	2154	IE1	**BF90G50-../SSE08LA4**	0.065	0.23	0.46	0.65	0.8	14000	17200	21500	21500	21500	612	42800	120000

MN = 14 Nm (PN = 2.2 kW)



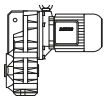
M_N	P_N	n_2	M_2	f_B	i	IE-Classe	Type	Speed range n_2 [1/min] at motor speed n_1 [1/min]					Torque range M_2 [Nm] at motor speed n_1 [1/min]					m	F_{RN}	F_{RV}
[Nm]	[kW]	[1/min]	[Nm]	[--]	[:1]			150	500	1000	1500	1800	150	500	1000	1500	1800	[kg]	[N]	[N]
14	2.2	265	78	1.8	5.6	IE5	**BF10-../S5E09XA4**	26.5	89	178	265	320	72	78	78	78	78	40	1950	-
14	2.2	265	78	1.8	5.6	IE2	**BF10-../SHE09SA4**	26.5	89	178	265	320	47.5	56	78	78	78	32	1950	-
14	2.2	197	106	1.4	7.58	IE5	**BF10-../S5E09XA4**	19.5	65	131	197	235	98	106	106	106	106	40	2200	-
14	2.2	197	106	1.4	7.58	IE2	**BF10-../SHE09SA4**	19.5	65	131	197	235	64	75	106	106	106	32	2200	-
14	2.2	154	135	1.3	9.69	IE5	**BF10-../S5E09XA4**	15	51	103	154	185	125	135	135	135	135	40	2350	-
14	2.2	154	135	1.3	9.69	IE2	**BF10-../SHE09SA4**	15	51	103	154	185	82	96	135	135	135	32	2350	-
14	2.2	126	165	1.1	11.84	IE5	**BF10-../S5E09XA4**	12.5	42	84	126	152	153	165	165	165	165	40	2500	-
14	2.2	126	165	1.1	11.84	IE2	**BF10-../SHE09SA4**	12.5	42	84	126	152	100	118	165	165	165	32	2500	-
14	2.2	99	210	0.87	15.04	IE5	**BF10-../S5E09XA4**	9.9	33	66	99	119	195	210	210	210	210	40	2800	-
14	2.2	99	210	0.87	15.04	IE2	**BF10-../SHE09SA4**	9.9	33	66	99	119	127	150	210	210	210	32	2800	-
14	2.2	82	255	0.94	18.23	IE5	**BF10-../S5E09XA4**	8.2	27	54	82	98	235	255	255	255	255	40	2900	-
14	2.2	82	255	0.94	18.23	IE2	**BF10-../SHE09SA4**	8.2	27	54	82	98	154	182	255	255	255	32	2900	-
14	2.2	74	280	0.86	20.05	IE2	**BF10-../SHE09SA4**	7.4	24.5	49.5	74	89	170	200	280	280	280	32	3000	-
14	2.2	74	280	0.86	20.05	IE5	**BF10-../S5E09XA4**	7.4	24.5	49.5	74	89	260	280	280	280	280	40	3000	-
14	2.2	245	84	2.4	6.04	IE2	**BF20-../SHE09SA4**	24.5	82	165	245	295	51	60	84	84	84	38	2550	-
14	2.2	245	84	2.4	6.04	IE5	**BF20-../S5E09XA4**	24.5	82	165	245	295	78	84	84	84	84	46	2550	-
14	2.2	187	112	2	8	IE2	**BF20-../SHE09SA4**	18.5	62	125	187	225	68	80	112	112	112	38	2850	-
14	2.2	187	112	2	8	IE5	**BF20-../S5E09XA4**	18.5	62	125	187	225	104	112	112	112	112	46	2850	-
14	2.2	142	147	1.7	10.51	IE2	**BF20-../SHE09SA4**	14	47.5	95	142	171	89	105	147	147	147	38	3100	-
14	2.2	142	147	1.7	10.51	IE5	**BF20-../S5E09XA4**	14	47.5	95	142	171	136	147	147	147	147	46	3100	-
14	2.2	113	184	1.5	13.18	IE5	**BF20-../S5E09XA4**	11	37.5	75	113	136	171	184	184	184	184	46	3300	-
14	2.2	113	184	1.5	13.18	IE2	**BF20-../SHE09SA4**	11	37.5	75	113	136	112	131	184	184	184	38	3300	-
14	2.2	96	215	1.4	15.54	IE2	**BF20-../SHE09SA4**	9.6	32	64	96	115	132	155	215	215	215	38	3450	-
14	2.2	96	215	1.4	15.54	IE5	**BF20-../S5E09XA4**	9.6	32	64	96	115	200	215	215	215	215	46	3450	-
14	2.2	89	230	1.5	16.77	IE5	**BF20-../S5E09XA4**	8.9	29.5	59	89	107	215	230	230	230	230	46	3500	-
14	2.2	89	230	1.5	16.77	IE2	**BF20-../SHE09SA4**	8.9	29.5	59	89	107	142	167	230	230	230	38	3500	-
14	2.2	81	255	1.4	18.45	IE5	**BF20-../S5E09XA4**	8.1	27	54	81	97	235	255	255	255	255	46	3600	-
14	2.2	81	255	1.4	18.45	IE2	**BF20-../SHE09SA4**	8.1	27	54	81	97	156	184	255	255	255	38	3600	-
14	2.2	68	305	1.3	22.04	IE5	**BF20-../S5E09XA4**	6.8	22.5	45	68	81	285	305	305	305	305	46	3800	-
14	2.2	68	305	1.3	22.04	IE2	**BF20-../SHE09SA4**	6.8	22.5	45	68	81	187	220	305	305	305	38	3800	-
14	2.2	61	335	1.2	24.25	IE2	**BF20-../SHE09SA4**	6.1	20.5	41	61	74	205	240	335	335	335	38	3950	-
14	2.2	61	335	1.2	24.25	IE5	**BF20-../S5E09XA4**	6.1	20.5	41	61	74	315	335	335	335	335	46	3950	-
14	2.2	54	385	1.1	27.62	IE5	**BF20-../S5E09XA4**	5.4	18	36	54	65	355	385	385	385	385	46	4150	-
14	2.2	54	385	1.1	27.62	IE2	**BF20-../SHE09SA4**	5.4	18	36	54	65	230	275	385	385	385	38	4150	-
14	2.2	49	425	0.99	30.4	IE5	**BF20-../S5E09XA4**	4.9	16	32.5	49	59	395	425	425	425	425	46	4400	-
14	2.2	49	425	0.99	30.4	IE2	**BF20-../SHE09SA4**	4.9	16	32.5	49	59	255	300	425	425	425	38	4400	-
14	2.2	46	455	0.92	32.58	IE5	**BF20-../S5E09XA4**	4.6	15	30.5	46	55	420	455	455	455	455	46	4450	-
14	2.2	46	455	0.92	32.58	IE2	**BF20-../SHE09SA4**	4.6	15	30.5	46	55	275	325	455	455	455	38	4450	-
14	2.2	41.5	500	0.84	35.85	IE5	**BF20-../S5E09XA4**	4.1	13.5	27.5	41.5	50	465	500	500	500	500	46	4650	-
14	2.2	41.5	500	0.84	35.85	IE2	**BF20-../SHE09SA4**	4.1	13.5	27.5	41.5	50	300	355	500	500	500	38	4650	-
14	2.2	235	88	3	6.34	IE2	**BF30-../SHE09SA4**	23.5	78	157	235	280	53	63	88	88	88	49	2400	-
14	2.2	235	88	3	6.34	IE5	**BF30-../S5E09XA4**	23.5	78	157	235	280	82	88	88	88	88	57	2400	-
14	2.2	185	112	2.5	8.07	IE2	**BF30-../SHE09SA4**	18.5	61	123	185	220	68	80	112	112	112	49	2650	-
14	2.2	185	112	2.5	8.07	IE5	**BF30-../S5E09XA4**	18.5	61	123	185	220	104	112	112	112	112	57	2650	-
14	2.2	150	139	2.3	9.99	IE5	**BF30-../S5E09XA4**	15	50	100	150	180	129	139	139	139	139	57	2850	-
14	2.2	150	139	2.3	9.99	IE2	**BF30-../SHE09SA4**	15	50	100	150	180	84	99	139	139	139	49	2850	-

MN = 14 Nm (PN = 2.2 kW)



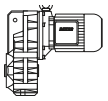
M_N	P_N	n_2	M_2	f_B	i	IE-Classe	Type	Speed range n_2 [1/min] at motor speed n_1 [1/min]					Torque range M_2 [Nm] at motor speed n_1 [1/min]					m	F_{RN}	F_{RV}
[Nm]	[kW]	[1/min]	[Nm]	[--]	[:1]			150	500	1000	1500	1800	150	500	1000	1500	1800	[kg]	[N]	[N]
14	2.2	116	180	2	12.91	IE2	**BF30-../SHE09SA4**	11.5	38.5	77	116	139	109	129	180	180	180	49	3050	-
14	2.2	116	180	2	12.91	IE5	**BF30-../S5E09XA4**	11.5	38.5	77	116	139	167	180	180	180	180	57	3050	-
14	2.2	93	220	1.8	16	IE5	**BF30-../S5E09XA4**	9.3	31	62	93	112	205	220	220	220	220	57	3250	-
14	2.2	93	220	1.8	16	IE2	**BF30-../SHE09SA4**	9.3	31	62	93	112	136	160	220	220	220	49	3250	-
14	2.2	84	245	1.9	17.65	IE5	**BF30-../S5E09XA4**	8.4	28	56	84	101	225	245	245	245	245	57	3300	-
14	2.2	84	245	1.9	17.65	IE2	**BF30-../SHE09SA4**	8.4	28	56	84	101	150	176	245	245	245	49	3300	-
14	2.2	77	270	1.8	19.41	IE5	**BF30-../S5E09XA4**	7.7	25.5	51	77	92	250	270	270	270	270	57	3400	-
14	2.2	77	270	1.8	19.41	IE2	**BF30-../SHE09SA4**	7.7	25.5	51	77	92	164	194	270	270	270	49	3400	-
14	2.2	68	305	1.7	21.85	IE5	**BF30-../S5E09XA4**	6.8	22.5	45.5	68	82	280	305	305	305	305	57	3500	-
14	2.2	68	305	1.7	21.85	IE2	**BF30-../SHE09SA4**	6.8	22.5	45.5	68	82	185	215	305	305	305	49	3500	-
14	2.2	62	335	1.6	24.03	IE5	**BF30-../S5E09XA4**	6.2	20.5	41.5	62	74	310	335	335	335	335	57	3600	-
14	2.2	62	335	1.6	24.03	IE2	**BF30-../SHE09SA4**	6.2	20.5	41.5	62	74	200	240	335	335	335	49	3600	-
14	2.2	53	395	1.4	28.23	IE2	**BF30-../SHE09SA4**	5.3	17.5	35	53	63	235	280	395	395	395	49	3800	-
14	2.2	53	395	1.4	28.23	IE5	**BF30-../S5E09XA4**	5.3	17.5	35	53	63	365	395	395	395	395	57	3800	-
14	2.2	48	430	1.3	31.05	IE2	**BF30-../SHE09SA4**	4.8	16	32	48	57	260	310	430	430	430	49	4000	-
14	2.2	48	430	1.3	31.05	IE5	**BF30-../S5E09XA4**	4.8	16	32	48	57	400	430	430	430	430	57	4000	-
14	2.2	42.5	490	1.2	35	IE2	**BF30-../SHE09SA4**	4.2	14	28.5	42.5	51	295	350	490	490	490	49	4200	-
14	2.2	42.5	490	1.2	35	IE5	**BF30-../S5E09XA4**	4.2	14	28.5	42.5	51	455	490	490	490	490	57	4200	-
14	2.2	38.5	530	1.1	38.49	IE5	**BF30-../S5E09XA4**	3.8	12.5	25.5	38.5	46.5	500	530	530	530	530	57	4400	-
14	2.2	38.5	530	1.1	38.49	IE2	**BF30-../SHE09SA4**	3.8	12.5	25.5	38.5	46.5	325	380	530	530	530	49	4400	-
14	2.2	36.5	570	0.99	41.01	IE2	**BF30-../SHE09SA4**	3.6	12	24	36.5	43.5	345	410	570	570	570	49	4500	-
14	2.2	36.5	570	0.99	41.01	IE5	**BF30-../S5E09XA4**	3.6	12	24	36.5	43.5	530	570	570	570	570	57	4500	-
14	2.2	33	630	0.9	45.1	IE2	**BF30-../SHE09SA4**	3.3	11	22	33	39.5	380	450	630	630	630	49	4700	-
14	2.2	33	630	0.9	45.1	IE5	**BF30-../S5E09XA4**	3.3	11	22	33	39.5	580	630	630	630	630	57	4700	-
14	2.2	127	165	2.8	11.79	IE5	**BF40-../S5E09XA4**	12.5	42	84	127	152	153	165	165	165	165	66	4450	-
14	2.2	127	165	2.8	11.79	IE2	**BF40-../SHE09SA4**	12.5	42	84	127	152	100	117	165	165	165	58	4450	-
14	2.2	99	210	2.5	15.02	IE5	**BF40-../S5E09XA4**	9.9	33	66	99	119	195	210	210	210	210	66	4800	-
14	2.2	99	210	2.5	15.02	IE2	**BF40-../SHE09SA4**	9.9	33	66	99	119	127	150	210	210	210	58	4800	-
14	2.2	86	240	2.6	17.35	IE2	**BF40-../SHE09SA4**	8.6	28.5	57	86	103	147	173	240	240	240	58	4950	-
14	2.2	86	240	2.6	17.35	IE5	**BF40-../S5E09XA4**	8.6	28.5	57	86	103	225	240	240	240	240	66	4950	-
14	2.2	78	265	2.5	19.09	IE2	**BF40-../SHE09SA4**	7.8	26	52	78	94	162	190	265	265	265	58	5100	-
14	2.2	78	265	2.5	19.09	IE5	**BF40-../S5E09XA4**	7.8	26	52	78	94	245	265	265	265	265	66	5100	-
14	2.2	69	300	2.3	21.6	IE2	**BF40-../SHE09SA4**	6.9	23	46	69	83	183	215	300	300	300	58	5200	-
14	2.2	69	300	2.3	21.6	IE5	**BF40-../S5E09XA4**	6.9	23	46	69	83	280	300	300	300	300	66	5200	-
14	2.2	63	330	2.2	23.77	IE2	**BF40-../SHE09SA4**	6.3	21	42	63	75	200	235	330	330	330	58	5400	-
14	2.2	63	330	2.2	23.77	IE5	**BF40-../S5E09XA4**	6.3	21	42	63	75	305	330	330	330	330	66	5400	-
14	2.2	55	375	2	26.86	IE5	**BF40-../S5E09XA4**	5.5	18.5	37	55	67	345	375	375	375	375	66	5600	-
14	2.2	55	375	2	26.86	IE2	**BF40-../SHE09SA4**	5.5	18.5	37	55	67	225	265	375	375	375	58	5600	-
14	2.2	50	410	1.9	29.55	IE2	**BF40-../SHE09SA4**	5	16.5	33.5	50	60	250	295	410	410	410	58	5800	-
14	2.2	50	410	1.9	29.55	IE5	**BF40-../S5E09XA4**	5	16.5	33.5	50	60	380	410	410	410	410	66	5800	-
14	2.2	43.5	475	1.8	34.21	IE5	**BF40-../S5E09XA4**	4.3	14.5	29	43.5	52	440	475	475	475	475	66	6000	-
14	2.2	43.5	475	1.8	34.21	IE2	**BF40-../SHE09SA4**	4.3	14.5	29	43.5	52	290	340	475	475	475	58	6000	-
14	2.2	39.5	520	1.7	37.64	IE5	**BF40-../S5E09XA4**	3.9	13	26.5	39.5	47.5	485	520	520	520	520	66	6200	-
14	2.2	39.5	520	1.7	37.64	IE2	**BF40-../SHE09SA4**	3.9	13	26.5	39.5	47.5	315	375	520	520	520	58	6200	-
14	2.2	36	570	1.6	41.42	IE5	**BF40-../S5E09XA4**	3.6	12	24	36	43	530	570	570	570	570	66	6500	-
14	2.2	36	570	1.6	41.42	IE2	**BF40-../SHE09SA4**	3.6	12	24	36	43	350	410	570	570	570	58	6500	-
14	2.2	32.5	630	1.4	45.56	IE5	**BF40-../S5E09XA4**	3.2	10.5	21.5	32.5	39.5	590	630	630	630	630	66	6800	-
14	2.2	32.5	630	1.4	45.56	IE2	**BF40-../SHE09SA4**	3.2	10.5	21.5	32.5	39.5	385	455	630	630	630	58	6800	-
14	2.2	30.5	680	1.3	48.92	IE2	**BF40-../SHE09SA4**	3	10	20	30.5	36.5	415	485	680	680	680	58	7000	-
14	2.2	30.5	680	1.3	48.92	IE5	**BF40-../S5E09XA4**	3	10	20	30.5	36.5	630	680	680	680	680	66	7000	-
14	2.2	27.5	750	1.2	53.82	IE5	**BF40-../S5E09XA4**	2.7	9.2	18.5	27.5	33	690	750	750	750	750	66	7200	-
14	2.2	27.5	750	1.2	53.82	IE2	**BF40-../SHE09SA4**	2.7	9.2	18.5	27.5	33	455	530	750	750	750	58	7200	-
14	2.2	24	850	1	61.25	IE5	**BF40-../S5E09XA4**	2.4	8.1	16	24	29	790	850	850	850	850	66	7600	-
14	2.2	24	850	1	61.25	IE2	**BF40-../SHE09SA4**	2.4	8.1	16	24	29	520	610	850	850	850	58	7600	-
14	2.2	22	940	0.95	67.38	IE5	**BF40-../S5E09XA4**	2.2	7.4	14.5	22	26.5	870	940	940	940	940	66	8000	-
14	2.2	22	940	0.95	67.38	IE2	**BF40-../SHE09SA4**	2.2	7.4	14.5	22	26.5	570	670	940	940	940	58	8000	-
14	2.2	21	990	0.9	71.4	IE5	**BF40-../S5E09XA4**	2.1	7	14	21	25	920	990	990	990	990	66	8100	-
14	2.2	21	990	0.9	71.4	IE2	**BF40-../SHE09SA4**	2.1	7	14	21	25	600	710	990	990	990	58	8100	-
14	2.2	19	1090	0.82	78.55	IE5	**BF40-../S5E09XA4**	1.9	6.3	12.5	19	22.5	1020	1090	1090	1090	1090	66	8500	-
14	2.2	19	1090	0.82	78.55	IE2	**BF40-../SHE09SA4**	1.9	6.3	12.5	19	22.5	660	780	1090	1090	1090	58	8500	-
14	2.2	47	440	2.8	31.73	IE2	**BF50-../SHE09SA4**	4.7	15.5	31.5	47	56	265	315	440	440	440	86	7500	-
14	2.2	47	440	2.8	31.73	IE5	**BF50-../S5E09XA4**	4.7	15.5	31.5	47	56	410	440	440	440	440	94	7500	-
14	2.2	42	495	2.6	35.49	IE2	**BF50-../SHE09SA4**	4.2	14	28	42	50	300	350	495	495	495	86	7800	-
14	2.2	42	495	2.6	35.49	IE5	**BF50-../S5E09XA4**	4.2	14	28	42	50	460	495	495	495	495	94	7800	-
14	2.2	35.5	590	2.2	42.15	IE2	**BF50-../SHE09SA4**	3.5	11.5	23.5	35.5	42.5	355	420	590	590	590	86	8500	-
14	2.2	35.5	590	2.2	42.15	IE5	**BF50-../S5E09XA4**	3.5	11.5	23.5	35.5	42.5	540	590	590	590	590	94	8500	-
14	2.2	31.5	650	2	47.14	IE5	**BF50-../S5E09XA4**	3.1	10.5	21	31.5	38	610	650	650	650	650	94	8900	-
14	2.2	31.5	650	2	47.14	IE2	**BF50-../SHE09SA4**	3.1	10.5	21	31.5	38	400	470	650	650	650	86	8900	-
14	2.2	26	790	1.6	56.86	IE5	**BF50-../S5E09XA4**	2.6	8.7	17.5	26	31.5	730	790	790	790	790	94	9300	-
14	2.2	26	790	1.6	56.86	IE2	**BF50-../SHE09SA4**	2.6	8.7	17.5	26	31.5	480	560	790	790	790	86	9300	-
14	2.2	23.5	890	1.5	63.59	IE5	**BF50-../S5E09XA4**	2.3	7.8	15.5	23.5	28	820	890	890	890	890	94	9800	-
14	2.2	23.5	890	1.5	63.59	IE2	**BF50-../SHE09SA4**	2.3	7.8	15.5	23.5	28	540	630	890	890	890	86	9800	-
14	2.2	20.5	1010	1.3	72.72	IE5	**BF50-../S5E09XA4**	2	6.8	13.5	20.5	24.5	940	1010	1010	1010	1010	94	10700	-
14	2.2	20.5	1010	1.3	72.72	IE2	**BF50-../SHE09SA4**	2	6.8	13.5	20.5	24.5	610	720	1010	1010	1010	86	10700	-
14	2.2	18	1130	1.1	81.33	IE2	**BF50-../SHE09SA4**	1.8	6.1	12	18	22	690	810	1130	1130	1130	86	11300	-
14	2.2	18	1130	1.1	81.33	IE5	**BF50-../S5E09XA4**	1.8	6.1	12	18	22	1050	1130	1130	1130	1130	94	11300	-
14	2.2	16.5	1260	1	90.24	IE2	**BF50-../SHE09SA4**	1.6	5.5	11	16.5	19.5	760	900	1260	1260	1260	86	11800	-
14	2.2	16.5	1260	1	90.24	IE5	**BF50-../S5E09XA4**	1.6	5.5	11	16.5	19.5	1170	1260	1260	1260	1260	94	11800	-
14	2.2	14.5	1410	0.92	100.9	IE5	**BF50-../S5E09XA4**	1.4	4.9	9.9	14.5	17.5	1310	1410	1410	1410	1410	94	12300	-
14	2.2	14.5	1410	0.92	100.9	IE2	**BF50-../SHE09SA4**	1.4	4.9	9.9	14.5	17.5	850	1000	1410	1410	1410	86	12300	-
14	2.2	13	1590	0.81	114	IE2	**BF50-../SHE09SA4**	1.3	4.3	8.7	13	15.5	960	1140	1590	1590	1590	86	12900	-

MN = 14 Nm (PN = 2.2 kW)



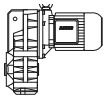
M_N	P_N	n_2	M_2	f_B	i	IE-Classe	Type	Speed range n_2 [1/min] at motor speed n_1 [1/min]					Torque range M_2 [Nm] at motor speed n_1 [1/min]					m	F_{RN}	F_{RV}
[Nm]	[kW]	[1/min]	[Nm]	[--]	[:1]			150	500	1000	1500	1800	150	500	1000	1500	1800	[kg]	[N]	[N]
14	2.2	13	1590	0.81	114	IE5	**BF50-../S5E09XA4**	1.3	4.3	8.7	13	15.5	1480	1590	1590	1590	1590	94	12900	-
14	2.2	27.5	760	3	54.44	IE5	**BF60-../S5E09XA4**	2.7	9.1	18	27.5	33	700	760	760	760	760	124	10500	29700
14	2.2	27.5	760	3	54.44	IE2	**BF60-../SHE09SA4**	2.7	9.1	18	27.5	33	460	540	760	760	760	116	10500	29700
14	2.2	24.5	840	2.7	60.4	IE5	**BF60-../S5E09XA4**	2.4	8.2	16.5	24.5	29.5	780	840	840	840	840	124	11100	31400
14	2.2	24.5	840	2.7	60.4	IE2	**BF60-../SHE09SA4**	2.4	8.2	16.5	24.5	29.5	510	600	840	840	840	116	11100	31400
14	2.2	20.5	1010	2.3	72.15	IE2	**BF60-../SHE09SA4**	2	6.9	13.5	20.5	24.5	610	720	1010	1010	1010	116	12000	34000
14	2.2	20.5	1010	2.3	72.15	IE5	**BF60-../S5E09XA4**	2	6.9	13.5	20.5	24.5	930	1010	1010	1010	1010	124	12000	34000
14	2.2	18.5	1120	2.1	80.05	IE2	**BF60-../SHE09SA4**	1.8	6.2	12	18.5	22	680	800	1120	1120	1120	116	12600	35600
14	2.2	18.5	1120	2.1	80.05	IE5	**BF60-../S5E09XA4**	1.8	6.2	12	18.5	22	1040	1120	1120	1120	1120	124	12600	35600
14	2.2	16	1300	1.8	93.44	IE5	**BF60-../S5E09XA4**	1.6	5.3	10.5	16	19	1210	1300	1300	1300	1300	124	13500	38200
14	2.2	16	1300	1.8	93.44	IE2	**BF60-../SHE09SA4**	1.6	5.3	10.5	16	19	790	930	1300	1300	1300	116	13500	38200
14	2.2	14	1450	1.6	103.7	IE5	**BF60-../S5E09XA4**	1.4	4.8	9.6	14	17	1340	1450	1450	1450	1450	124	14100	39900
14	2.2	14	1450	1.6	103.7	IE2	**BF60-../SHE09SA4**	1.4	4.8	9.6	14	17	880	1030	1450	1450	1450	116	14100	39900
14	2.2	13	1580	1.5	113.1	IE5	**BF60-../S5E09XA4**	1.3	4.4	8.8	13	15.5	1470	1580	1580	1580	1580	124	14600	41300
14	2.2	13	1580	1.5	113.1	IE2	**BF60-../SHE09SA4**	1.3	4.4	8.8	13	15.5	960	1130	1580	1580	1580	116	14600	41300
14	2.2	11.5	1750	1.3	125.5	IE2	**BF60-../SHE09SA4**	1.1	3.9	7.9	11.5	14	1060	1250	1750	1750	1750	116	15300	43300
14	2.2	11.5	1750	1.3	125.5	IE5	**BF60-../S5E09XA4**	1.1	3.9	7.9	11.5	14	1630	1750	1750	1750	1750	124	15300	43300
14	2.2	10.5	1970	1.2	140.8	IE5	**BF60Z-../S5E09XA4**	1	3.5	7.1	10.5	12.5	1830	1970	1970	1970	1970	143	15300	43300
14	2.2	10.5	1970	1.2	140.8	IE2	**BF60Z-../SHE09SA4**	1	3.5	7.1	10.5	12.5	1190	1400	1970	1970	1970	135	15300	43300
14	2.2	8.8	2350	0.97	169.2	IE2	**BF60Z-../SHE09SA4**	0.85	2.9	5.9	8.8	10.5	1430	1690	2350	2350	2350	135	15300	43300
14	2.2	8.8	2350	0.97	169.2	IE5	**BF60Z-../S5E09XA4**	0.85	2.9	5.9	8.8	10.5	2150	2350	2350	2350	2350	143	15300	43300
14	2.2	7.9	2600	0.88	187.7	IE2	**BF60Z-../SHE09SA4**	0.75	2.6	5.3	7.9	9.5	1590	1870	2600	2600	2600	135	15300	43300
14	2.2	7.9	2600	0.88	187.7	IE5	**BF60Z-../S5E09XA4**	0.75	2.6	5.3	7.9	9.5	2400	2600	2600	2600	2600	143	15300	43300
14	2.2	12	1710	3	122.7	IE2	**BF70-../SHE09SA4**	1.2	4	8.1	12	14.5	1040	1220	1710	1710	1710	202	16100	47700
14	2.2	12	1710	3	122.7	IE5	**BF70-../S5E09XA4**	1.2	4	8.1	12	14.5	1590	1710	1710	1710	1710	210	16100	47700
14	2.2	11	1860	2.8	133	IE5	**BF70Z-../S5E09XA4**	1.1	3.7	7.5	11	13.5	1720	1860	1860	1860	1860	231	16100	47700
14	2.2	11	1860	2.8	133	IE2	**BF70Z-../SHE09SA4**	1.1	3.7	7.5	11	13.5	1130	1330	1860	1860	1860	223	16100	47700
14	2.2	9.7	2150	2.4	154	IE5	**BF70Z-../S5E09XA4**	0.95	3.2	6.4	9.7	11.5	2000	2150	2150	2150	2150	231	16100	47700
14	2.2	9.7	2150	2.4	154	IE2	**BF70Z-../SHE09SA4**	0.95	3.2	6.4	9.7	11.5	1300	1540	2150	2150	2150	223	16100	47700
14	2.2	8.3	2500	2.1	179.7	IE5	**BF70Z-../S5E09XA4**	0.8	2.7	5.5	8.3	10	2300	2500	2500	2500	2500	231	16100	47700
14	2.2	8.3	2500	2.1	179.7	IE2	**BF70Z-../SHE09SA4**	0.8	2.7	5.5	8.3	10	1520	1790	2500	2500	2500	223	16100	47700
14	2.2	7.5	2750	1.9	199.7	IE2	**BF70Z-../SHE09SA4**	0.75	2.5	5	7.5	9	1690	1990	2750	2750	2750	223	16100	47700
14	2.2	7.5	2750	1.9	199.7	IE5	**BF70Z-../S5E09XA4**	0.75	2.5	5	7.5	9	2550	2750	2750	2750	2750	231	16100	47700
14	2.2	6.4	3250	1.6	233	IE5	**BF70Z-../S5E09XA4**	0.6	2.1	4.2	6.4	7.7	3000	3250	3250	3250	3250	231	16100	47700
14	2.2	6.4	3250	1.6	233	IE2	**BF70Z-../SHE09SA4**	0.6	2.1	4.2	6.4	7.7	1980	2300	3250	3250	3250	223	16100	47700
14	2.2	5.7	3600	1.4	258.7	IE5	**BF70Z-../S5E09XA4**	0.55	1.9	3.8	5.7	6.9	3350	3600	3600	3600	3600	231	16100	47700
14	2.2	5.7	3600	1.4	258.7	IE2	**BF70Z-../SHE09SA4**	0.55	1.9	3.8	5.7	6.9	2150	2550	3600	3600	3600	223	16100	47700
14	2.2	4.9	4200	1.2	301.8	IE5	**BF70Z-../S5E09XA4**	0.49	1.6	3.3	4.9	5.9	3900	4200	4200	4200	4200	231	16100	47700
14	2.2	4.9	4200	1.2	301.8	IE2	**BF70Z-../SHE09SA4**	0.49	1.6	3.3	4.9	5.9	2550	3000	4200	4200	4200	223	16100	47700
14	2.2	4.3	4750	1.1	341.7	IE5	**BF70Z-../S5E09XA4**	0.43	1.4	2.9	4.3	5.2	4400	4750	4750	4750	4750	231	16100	47700
14	2.2	4.3	4750	1.1	341.7	IE2	**BF70Z-../SHE09SA4**	0.43	1.4	2.9	4.3	5.2	2900	3400	4750	4750	4750	223	16100	47700
14	2.2	3.7	5500	0.93	398.7	IE5	**BF70Z-../S5E09XA4**	0.37	1.2	2.5	3.7	4.5	5100	5500	5500	5500	5500	231	16100	47700
14	2.2	3.7	5500	0.93	398.7	IE2	**BF70Z-../SHE09SA4**	0.37	1.2	2.5	3.7	4.5	3350	3950	5500	5500	5500	223	16100	47700
14	2.2	3.4	6100	0.85	439.2	IE5	**BF70Z-../S5E09XA4**	0.34	1.1	2.2	3.4	4	5700	6100	6100	6100	6100	231	16100	47700
14	2.2	3.4	6100	0.85	439.2	IE2	**BF70Z-../SHE09SA4**	0.34	1.1	2.2	3.4	4	3700	4350	6100	6100	6100	223	16100	47700
14	2.2	6.3	3300	2.9	237.1	IE5	**BF80-../S5E09XA4**	0.6	2.1	4.2	6.3	7.5	3050	3300	3300	3300	3300	307	36900	75000
14	2.2	6.3	3300	2.9	237.1	IE2	**BF80-../SHE09SA4**	0.6	2.1	4.2	6.3	7.5	2000	2350	3300	3300	3300	299	36900	75000
14	2.2	5.5	3750	2.5	269.1	IE5	**BF80-../S5E09XA4**	0.55	1.8	3.7	5.5	6.6	3450	3750	3750	3750	3750	307	39600	75000
14	2.2	5.5	3750	2.5	269.1	IE2	**BF80-../SHE09SA4**	0.55	1.8	3.7	5.5	6.6	2250	2650	3750	3750	3750	299	39600	75000
14	2.2	5.1	4050	2.6	291.7	IE2	**BF80Z-../SHE09SA4**	0.5	1.7	3.4	5.1	6.1	2450	2900	4050	4050	4050	340	39600	75000
14	2.2	5.1	4050	2.6	291.7	IE5	**BF80Z-../S5E09XA4**	0.5	1.7	3.4	5.1	6.1	3750	4050	4050	4050	4050	348	39600	75000
14	2.2	4.3	4850	2.2	347.3	IE2	**BF80Z-../SHE09SA4**	0.43	1.4	2.8	4.3	5.1	2950	3450	4850	4850	4850	340	39600	75000
14	2.2	4.3	4850	2.2	347.3	IE5	**BF80Z-../S5E09XA4**	0.43	1.4	2.8	4.3	5.1	4500	4850	4850	4850	4850	348	39600	75000
14	2.2	3.8	5500	1.9	394.2	IE5	**BF80Z-../S5E09XA4**	0.38	1.2	2.5	3.8	4.5	5100	5500	5500	5500	5500	348	39600	75000
14	2.2	3.8	5500	1.9	394.2	IE2	**BF80Z-../SHE09SA4**	0.38	1.2	2.5	3.8	4.5	3350	3900	5500	5500	5500	340	39600	75000
14	2.2	3.3	6300	1.7	450.4	IE2	**BF80Z-../SHE09SA4**	0.33	1.1	2.2	3.3	3.9	3800	4500	6300	6300	6300	340	39600	75000
14	2.2	3.3	6300	1.7	450.4	IE5	**BF80Z-../S5E09XA4**	0.33	1.1	2.2	3.3	3.9	5800	6300	6300	6300	6300	348	39600	75000
14	2.2	2.9	7100	1.5	511.2	IE5	**BF80Z-../S5E09XA4**	0.29	0.95	1.9	2.9	3.5	6600	7100	7100	7100	7100	348	39600	75000
14	2.2	2.9	7100	1.5	511.2	IE2	**BF80Z-../SHE09SA4**	0.29	0.95	1.9	2.9	3.5	4300	5100	7100	7100	7100	340	39600	75000
14	2.2	2.5	8100	1.3	583.4	IE5	**BF80Z-../S5E09XA4**	0.25	0.85	1.7	2.5	3	7500	8100	8100	8100	8100	348	39600	75000
14	2.2	2.5	8100	1.3	583.4	IE2	**BF80Z-../SHE09SA4**	0.25	0.85	1.7	2.5	3	4950	5800	8100	8100	8100	340	39600	75000
14	2.2	2.2	9200	1.1	662.1	IE5	**BF80Z-../S5E09XA4**	0.22	0.75	1.5	2.2	2.7	8600	9200	9200	9200	9200	348	39600	75000
14	2.2	2.2	9200	1.1	662.1	IE2	**BF80Z-../SHE09SA4**	0.22	0.75	1.5	2.2	2.7	5600	6600	9200	9200	9200	340	39600	75000
14	2.2	1.9	10700	0.97	770.6	IE5	**BF80Z-../S5E09XA4**	0.19	0.6	1.2	1.9	2.3	10000	10700	10700	10700	10700	348	39600	75000
14	2.2	1.9	10700	0.97	770.6	IE2	**BF80Z-../SHE09SA4**	0.19	0.6	1.2	1.9	2.3	6500	7700	10700	10700	10700	340	39600	75000
14	2.2	1.7	12200	0.86	874.6	IE5	**BF80Z-../S5E09XA4**	0.17	0.55	1.1	1.7	2	11300	12200	12200	12200	12200	348	39600	75000
14	2.2	1.7	12200	0.86	874.6	IE2	**BF80Z-../SHE09SA4**	0.17	0.55	1.1	1.7	2	7400	8700	12200	12200	12200	340	39600	75000
14	2.2	3.2	6300	2.9	456.7	IE2	**BF90Z-../SHE09SA4**	0.32	1	2.1	3.2	3.9	3850	4550	6300	6300	6300	604	42800	120000
14	2.2	3.2	6300	2.9	456.7	IE5	**BF90Z-../S5E09XA4**	0.32	1	2.1	3.2	3.9	5900	6300	6300	6300	6300	612	42800	120000
14	2.2	2.9	7100	2.6	508.5	IE5	**BF90Z-../S5E09XA4**	0.29	0.95	1.9	2.9	3.5	6600	7100	7100	7100	7100	612	42800	120000
14	2.2	2.9	7100	2.6	508.5	IE2	**BF90Z-../SHE09SA4**	0.29	0.95	1.9	2.9	3.5	4300	5000	7100	7100	7100	604	42800	120000
14	2.2	2.5	8200	2.2	591.1	IE5	**BF90Z-../S5E09XA4**	0.25	0.8	1.6	2.5	3	7600	8200	8200	8200	8200	612	42800	120000
14	2.2	2.5	8200	2.2	591.1	IE2	**BF90Z-../SHE09SA4**	0.25	0.8	1.6	2.5	3	5000	5900	8200	8200	8200	604	42800	120000
14	2.2	2.2	9200	2	658.1	IE5	**BF90Z-../S5E09XA4**	0.22	0.75	1.5	2.2	2.7	8500	9200	9200	9200	9200	612	42800	120000
14	2.2	2.2	9200	2	658.1	IE2	**BF90Z-../SHE09SA4**	0.22	0.75	1.5	2.2	2.7	5500	6500	9200	9200	9200	604	42800	120000
14	2.2	1.9	10600	1.7	759	IE5	**BF90Z-../S5E09XA4**	0.19	0.65	1.3	1.9	2.3	9800	10600	10600	10600	10600	612	42800	120000
14	2.2	1.9	10600	1.7	759	IE2	**BF90Z-../SHE09SA4**	0.19	0.65	1.3	1.9	2.3	6400	7500	10600	10600	10600	604	42800	120000
14	2.2	1.7	11800	1.6	845.1	IE5	**BF90Z-../S5E09XA4**	0.17	0.55	1.1	1.7	2.1	10900	11800	11800	11800	11800	612	42800	120000
14	2.2	1.7	11800	1.6	845.1	IE2	**BF90Z-../SHE09SA4**	0.17	0.55	1.1	1.7	2.1	7100	8400	11800	11800	11800	604	42800	120000

MN = 14 Nm (PN = 2.2 kW)



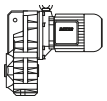
M_N	P_N	n_2	M_2	f_B	i	IE-Classe	Type	Speed range n_2 [1/min] at motor speed n_1 [1/min]					Torque range M_2 [Nm] at motor speed n_1 [1/min]					m	F_{RN}	F_{RV}
[Nm]	[kW]	[1/min]	[Nm]	[--]	[:1]			150	500	1000	1500	1800	150	500	1000	1500	1800	[kg]	[N]	[N]
14	2.2	1.5	13600	1.4	976.1	IE2	**BF90G50-../SHE09SA4**	0.15	0.5	1	1.5	1.8	8200	9700	13600	13600	13600	616	42800	120000
14	2.2	1.5	13600	1.4	976.1	IE5	**BF90G50-../S5E09XA4**	0.15	0.5	1	1.5	1.8	12600	13600	13600	13600	13600	624	42800	120000
14	2.2	1.4	14600	1.3	1043	IE5	**BF90G50-../S5E09XA4**	0.14	0.47	0.95	1.4	1.7	13500	14600	14600	14600	14600	624	42800	120000
14	2.2	1.4	14600	1.3	1043	IE2	**BF90G50-../SHE09SA4**	0.14	0.47	0.95	1.4	1.7	8800	10400	14600	14600	14600	616	42800	120000
14	2.2	1.2	16800	1.1	1204	IE2	**BF90G50-../SHE09SA4**	0.12	0.41	0.8	1.2	1.4	10200	12000	16800	16800	16800	616	42800	120000
14	2.2	1.2	16800	1.1	1204	IE5	**BF90G50-../S5E09XA4**	0.12	0.41	0.8	1.2	1.4	15600	16800	16800	16800	16800	624	42800	120000
14	2.2	1	20000	0.92	1444	IE2	**BF90G50-../SHE09SA4**	0.1	0.34	0.65	1	1.2	12200	14400	20000	20000	20000	616	42800	120000
14	2.2	1	20000	0.92	1444	IE5	**BF90G50-../S5E09XA4**	0.1	0.34	0.65	1	1.2	18700	20000	20000	20000	20000	624	42800	120000

MN = 19 Nm (PN = 3 kW)



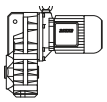
M_N	P_N	n_2	M_2	f_B	i	IE-Classe	Type	Speed range n_2 [1/min] at motor speed n_1 [1/min]					Torque range M_2 [Nm] at motor speed n_1 [1/min]					m	F_{RN}	F_{RV}
[Nm]	[kW]	[1/min]	[Nm]	[--]	[:1]			150	500	1000	1500	1800	150	500	1000	1500	1800	[kg]	[N]	[N]
19	3	235	120	2.2	6.34	IE4	**BF30-../S4E11SA6**	23.5	78	157	235	280	120	120	120	120	120	66	2400	-
19	3	185	153	1.9	8.07	IE4	**BF30-../S4E11SA6**	18.5	61	123	185	220	153	153	153	153	153	66	2650	-
19	3	150	189	1.7	9.99	IE4	**BF30-../S4E11SA6**	15	50	100	150	180	189	189	189	189	189	66	2850	-
19	3	116	245	1.5	12.91	IE4	**BF30-../S4E11SA6**	11.5	38.5	77	116	139	245	245	245	245	245	66	3050	-
19	3	93	300	1.3	16	IE4	**BF30-../S4E11SA6**	9.3	31	62	93	112	300	300	300	300	300	66	3250	-
19	3	84	335	1.4	17.65	IE4	**BF30-../S4E11SA6**	8.4	28	56	84	101	335	335	335	335	335	66	3300	-
19	3	77	365	1.4	19.41	IE4	**BF30-../S4E11SA6**	7.7	25.5	51	77	92	365	365	365	365	365	66	3400	-
19	3	68	415	1.3	21.85	IE4	**BF30-../S4E11SA6**	6.8	22.5	45.5	68	82	415	415	415	415	415	66	3500	-
19	3	62	455	1.2	24.03	IE4	**BF30-../S4E11SA6**	6.2	20.5	41.5	62	74	455	455	455	455	455	66	3600	-
19	3	53	530	1.1	28.23	IE4	**BF30-../S4E11SA6**	5.3	17.5	35	53	63	530	530	530	530	530	66	3800	-
19	3	48	580	0.97	31.05	IE4	**BF30-../S4E11SA6**	4.8	16	32	48	57	580	580	580	580	580	66	4000	-
19	3	42.5	660	0.86	35	IE4	**BF30-../S4E11SA6**	4.2	14	28.5	42.5	51	660	660	660	660	660	66	4200	-
19	3	255	111	3	5.87	IE4	**BF40-../S4E11SA6**	25.5	85	170	255	305	111	111	111	111	111	80	3550	-
19	3	196	144	2.5	7.62	IE4	**BF40-../S4E11SA6**	19.5	65	131	196	235	144	144	144	144	144	80	3900	-
19	3	158	180	2.3	9.48	IE4	**BF40-../S4E11SA6**	15.5	52	105	158	189	180	180	180	180	180	80	4150	-
19	3	127	220	2.1	11.79	IE4	**BF40-../S4E11SA6**	12.5	42	84	127	152	220	220	220	220	220	80	4450	-
19	3	99	285	1.8	15.02	IE4	**BF40-../S4E11SA6**	9.9	33	66	99	119	285	285	285	285	285	80	4800	-
19	3	86	325	1.9	17.35	IE4	**BF40-../S4E11SA6**	8.6	28.5	57	86	103	325	325	325	325	325	80	4950	-
19	3	78	360	1.8	19.09	IE4	**BF40-../S4E11SA6**	7.8	26	52	78	94	360	360	360	360	360	80	5100	-
19	3	69	410	1.7	21.6	IE4	**BF40-../S4E11SA6**	6.9	23	46	69	83	410	410	410	410	410	80	5200	-
19	3	63	450	1.6	23.77	IE4	**BF40-../S4E11SA6**	6.3	21	42	63	75	450	450	450	450	450	80	5400	-
19	3	55	510	1.5	26.86	IE4	**BF40-../S4E11SA6**	5.5	18.5	37	55	67	510	510	510	510	510	80	5600	-
19	3	50	560	1.4	29.55	IE4	**BF40-../S4E11SA6**	5	16.5	33.5	50	60	560	560	560	560	560	80	5800	-
19	3	43.5	640	1.3	34.21	IE4	**BF40-../S4E11SA6**	4.3	14.5	29	43.5	52	640	640	640	640	640	80	6000	-
19	3	39.5	710	1.2	37.64	IE4	**BF40-../S4E11SA6**	3.9	13	26.5	39.5	47.5	710	710	710	710	710	80	6200	-
19	3	36	780	1.1	41.42	IE4	**BF40-../S4E11SA6**	3.6	12	24	36	43	780	780	780	780	780	80	6500	-
19	3	32.5	860	1	45.56	IE4	**BF40-../S4E11SA6**	3.2	10.5	21.5	32.5	39.5	860	860	860	860	860	80	6800	-
19	3	30.5	920	0.97	48.92	IE4	**BF40-../S4E11SA6**	3	10	20	30.5	36.5	920	920	920	920	920	80	7000	-
19	3	27.5	1020	0.88	53.82	IE4	**BF40-../S4E11SA6**	2.7	9.2	18.5	27.5	33	1020	1020	1020	1020	1020	80	7200	-
19	3	102	275	2.8	14.65	IE4	**BF50-../S4E11SA6**	10	34	68	102	122	275	275	275	275	275	110	6100	-
19	3	89	315	3	16.7	IE4	**BF50-../S4E11SA6**	8.9	29.5	59	89	107	315	315	315	315	315	110	6200	-
19	3	80	350	2.8	18.68	IE4	**BF50-../S4E11SA6**	8	26.5	53	80	96	350	350	350	350	350	110	6400	-
19	3	64	435	2.5	23.14	IE4	**BF50-../S4E11SA6**	6.4	21.5	43	64	77	435	435	435	435	435	110	6800	-
19	3	57	490	2.4	25.88	IE4	**BF50-../S4E11SA6**	5.7	19	38.5	57	69	490	490	490	490	490	110	7100	-
19	3	47	600	2.1	31.73	IE4	**BF50-../S4E11SA6**	4.7	15.5	31.5	47	56	600	600	600	600	600	110	7500	-
19	3	42	670	1.9	35.49	IE4	**BF50-../S4E11SA6**	4.2	14	28	42	50	670	670	670	670	670	110	7800	-
19	3	35.5	800	1.6	42.15	IE4	**BF50-../S4E11SA6**	3.5	11.5	23.5	35.5	42.5	800	800	800	800	800	110	8500	-
19	3	31.5	890	1.5	47.14	IE4	**BF50-../S4E11SA6**	3.1	10.5	21	31.5	38	890	890	890	890	890	110	8900	-
19	3	26	1080	1.2	56.86	IE4	**BF50-../S4E11SA6**	2.6	8.7	17.5	26	31.5	1080	1080	1080	1080	1080	110	9300	-
19	3	23.5	1200	1.1	63.59	IE4	**BF50-../S4E11SA6**	2.3	7.8	15.5	23.5	28	1200	1200	1200	1200	1200	110	9800	-
19	3	20.5	1380	0.94	72.72	IE4	**BF50-../S4E11SA6**	2	6.8	13.5	20.5	24.5	1380	1380	1380	1380	1380	110	10700	-
19	3	18	1540	0.84	81.33	IE4	**BF50-../S4E11SA6**	1.8	6.1	12	18	22	1540	1540	1540	1540	1540	110	11300	-
19	3	43	650	3	34.62	IE4	**BF60-../S4E11SA6**	4.3	14	28.5	43	51	650	650	650	650	650	141	9100	25700
19	3	36	790	2.7	41.6	IE4	**BF60-../S4E11SA6**	3.6	12	24	36	43	790	790	790	790	790	141	9600	27100
19	3	32	870	2.5	46.16	IE4	**BF60-../S4E11SA6**	3.2	10.5	21.5	32	38.5	870	870	870	870	870	141	9900	28000
19	3	27.5	1030	2.2	54.44	IE4	**BF60-../S4E11SA6**	2.7	9.1	18	27.5	33	1030	1030	1030	1030	1030	141	10500	29700
19	3	24.5	1140	2	60.4	IE4	**BF60-../S4E11SA6**	2.4	8.2	16.5	24.5	29.5	1140	1140	1140	1140	1140	141	11100	31400
19	3	20.5	1370	1.7	72.15	IE4	**BF60-../S4E11SA6**	2	6.9	13.5	20.5	24.5	1370	1370	1370	1370	1370	141	12000	34000
19	3	18.5	1520	1.5	80.05	IE4	**BF60-../S4E11SA6**	1.8	6.2	12	18.5	22	1520	1520	1520	1520	1520	141	12600	35600
19	3	16	1770	1.3	93.44	IE4	**BF60-../S4E11SA6**	1.6	5.3	10.5	16	19	1770	1770	1770	1770	1770	141	13500	38200
19	3	14	1970	1.2	103.7	IE4	**BF60-../S4E11SA6**	1.4	4.8	9.6	14	17	1970	1970	1970	1970	1970	141	14100	39900
19	3	13	2100	1.1	113.1	IE4	**BF60-../S4E11SA6**	1.3	4.4	8.8	13	15.5	2100	2100	2100	2100	2100	141	14600	41300
19	3	11.5	2350	0.96	125.5	IE4	**BF60-../S4E11SA6**	1.1	3.9	7.9	11.5	14	2350	2350	2350	2350	2350	141	15300	43300
19	3	10.5	2650	0.86	140.8	IE4	**BF60Z-../S4E11SA6**	1	3.5	7.1	10.5	12.5	2650	2650	2650	2650	2650	157	15300	43300
19	3	15.5	1810	2.9	95.46	IE4	**BF70-../S4E11SA6**	1.5	5.2	10	15.5	18.5	1810	1810	1810	1810	1810	220	14000	43700
19	3	14	1990	2.6	105.2	IE4	**BF70-../S4E11SA6**	1.4	4.7	9.5	14	17	1990	1990	1990	1990	1990	220	14700	45100
19	3	12	2300	2.2	122.7	IE4	**BF70-../S4E11SA6**	1.2	4	8.1	12	14.5	2300	2300	2300	2300	2300	220	16100	47700
19	3	11	2500	2.1	133	IE4	**BF70Z-../S4E11SA6**	1.1	3.7	7.5	11	13.5	2500	2500	2500	2500	2500	247	16100	47700
19	3	9.7	2900	1.8	154	IE4	**BF70Z-../S4E11SA6**	0.95	3.2	6.4	9.7	11.5	2900	2900	2900	2900	2900	247	16100	47700
19	3	8.3	3400	1.5	179.7	IE4	**BF70Z-../S4E11SA6**	0.8	2.7	5.5	8.3	10	3400	3400	3400	3400	3400	247	16100	47700

MN = 19 Nm (PN = 3 kW)



M_N	P_N	n_2	M_2	f_B	i	IE-Classe	Type	Speed range n_2 [1/min] at motor speed n_1 [1/min]					Torque range M_2 [Nm] at motor speed n_1 [1/min]					m	F_{RN}	F_{RV}
[Nm]	[kW]	[1/min]	[Nm]	[--]	[:1]			150	500	1000	1500	1800	150	500	1000	1500	1800	[kg]	[N]	[N]
19	3	7.5	3750	1.4	199.7	IE4	**BF70Z-../S4E11SA6**	0.75	2.5	5	7.5	9	3750	3750	3750	3750	3750	247	16100	47700
19	3	6.4	4400	1.2	233	IE4	**BF70Z-../S4E11SA6**	0.6	2.1	4.2	6.4	7.7	4400	4400	4400	4400	4400	247	16100	47700
19	3	5.7	4900	1.1	258.7	IE4	**BF70Z-../S4E11SA6**	0.55	1.9	3.8	5.7	6.9	4900	4900	4900	4900	4900	247	16100	47700
19	3	4.9	5700	0.91	301.8	IE4	**BF70Z-../S4E11SA6**	0.49	1.6	3.3	4.9	5.9	5700	5700	5700	5700	5700	247	16100	47700
19	3	4.3	6400	0.8	341.7	IE4	**BF70Z-../S4E11SA6**	0.43	1.4	2.9	4.3	5.2	6400	6400	6400	6400	6400	247	16100	47700
19	3	8.1	3500	2.7	184.5	IE4	**BF80-../S4E11SA6**	0.8	2.7	5.4	8.1	9.7	3500	3500	3500	3500	3500	316	31800	75000
19	3	7.1	3950	2.4	209.4	IE4	**BF80-../S4E11SA6**	0.7	2.3	4.7	7.1	8.5	3950	3950	3950	3950	3950	316	34300	75000
19	3	6.3	4500	2.1	237.1	IE4	**BF80-../S4E11SA6**	0.6	2.1	4.2	6.3	7.5	4500	4500	4500	4500	4500	316	36900	75000
19	3	5.5	5100	1.9	269.1	IE4	**BF80-../S4E11SA6**	0.55	1.8	3.7	5.5	6.6	5100	5100	5100	5100	5100	316	39600	75000
19	3	5.1	5500	1.9	291.7	IE4	**BF80Z-../S4E11SA6**	0.5	1.7	3.4	5.1	6.1	5500	5500	5500	5500	5500	363	39600	75000
19	3	4.3	6500	1.6	347.3	IE4	**BF80Z-../S4E11SA6**	0.43	1.4	2.8	4.3	5.1	6500	6500	6500	6500	6500	363	39600	75000
19	3	3.8	7400	1.4	394.2	IE4	**BF80Z-../S4E11SA6**	0.38	1.2	2.5	3.8	4.5	7400	7400	7400	7400	7400	363	39600	75000
19	3	3.3	8500	1.2	450.4	IE4	**BF80Z-../S4E11SA6**	0.33	1.1	2.2	3.3	3.9	8500	8500	8500	8500	8500	363	39600	75000
19	3	2.9	9700	1.1	511.2	IE4	**BF80Z-../S4E11SA6**	0.29	0.95	1.9	2.9	3.5	9700	9700	9700	9700	9700	363	39600	75000
19	3	2.5	11000	0.95	583.4	IE4	**BF80Z-../S4E11SA6**	0.25	0.85	1.7	2.5	3	11000	11000	11000	11000	11000	363	39600	75000
19	3	2.2	12500	0.83	662.1	IE4	**BF80Z-../S4E11SA6**	0.22	0.75	1.5	2.2	2.7	12500	12500	12500	12500	12500	363	39600	75000
19	3	4.3	6500	2.8	343.6	IE4	**BF90Z-../S4E11SA6**	0.43	1.4	2.9	4.3	5.2	6500	6500	6500	6500	6500	629	42800	120000
19	3	3.9	7200	2.5	382.6	IE4	**BF90Z-../S4E11SA6**	0.39	1.3	2.6	3.9	4.7	7200	7200	7200	7200	7200	629	42800	120000
19	3	3.2	8600	2.1	456.7	IE4	**BF90Z-../S4E11SA6**	0.32	1	2.1	3.2	3.9	8600	8600	8600	8600	8600	629	42800	120000
19	3	2.9	9600	1.9	508.5	IE4	**BF90Z-../S4E11SA6**	0.29	0.95	1.9	2.9	3.5	9600	9600	9600	9600	9600	629	42800	120000
19	3	2.5	11200	1.6	591.1	IE4	**BF90Z-../S4E11SA6**	0.25	0.8	1.6	2.5	3	11200	11200	11200	11200	11200	629	42800	120000
19	3	2.2	12500	1.5	658.1	IE4	**BF90Z-../S4E11SA6**	0.22	0.75	1.5	2.2	2.7	12500	12500	12500	12500	12500	629	42800	120000
19	3	1.9	14400	1.3	759	IE4	**BF90Z-../S4E11SA6**	0.19	0.65	1.3	1.9	2.3	14400	14400	14400	14400	14400	629	42800	120000
19	3	1.7	16000	1.2	845.1	IE4	**BF90Z-../S4E11SA6**	0.17	0.55	1.1	1.7	2.1	16000	16000	16000	16000	16000	629	42800	120000
19	3	1.5	18500	1	976.1	IE4	**BF90G50-../S4E11SA6**	0.15	0.5	1	1.5	1.8	18500	18500	18500	18500	18500	639	42800	120000
19	3	1.4	19800	0.93	1043	IE4	**BF90G50-../S4E11SA6**	0.14	0.47	0.95	1.4	1.7	19800	19800	19800	19800	19800	639	42800	120000
19	3	1.2	22500	0.81	1204	IE4	**BF90G50-../S4E11SA6**	0.12	0.41	0.8	1.2	1.4	22500	22500	22500	22500	22500	639	42800	120000

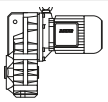
MN = 20 Nm (PN = 3.1 kW)



M_N	P_N	n_2	M_2	f_B	i	IE-Classe	Type	Speed range n_2 [1/min] at motor speed n_1 [1/min]					Torque range M_2 [Nm] at motor speed n_1 [1/min]					m	F_{RN}	F_{RV}
[Nm]	[kW]	[1/min]	[Nm]	[--]	[:1]			150	500	1000	1500	1800	150	500	1000	1500	1800	[kg]	[N]	[N]
20	3.1	265	112	1.2	5.6	IE3	**BF10-../SPE09XA4**	26.5	89	178	265	320	72	89	112	112	112	40	1950	-
20	3.1	197	151	1	7.58	IE3	**BF10-../SPE09XA4**	19.5	65	131	197	235	98	121	151	151	151	40	2200	-
20	3.1	154	193	0.91	9.69	IE3	**BF10-../SPE09XA4**	15	51	103	154	185	125	155	193	193	193	40	2350	-
20	3.1	245	120	1.7	6.04	IE3	**BF20-../SPE09XA4**	24.5	82	165	245	295	78	96	120	120	120	46	2550	-
20	3.1	187	160	1.4	8	IE3	**BF20-../SPE09XA4**	18.5	62	125	187	225	104	128	160	160	160	46	2850	-
20	3.1	142	210	1.2	10.51	IE3	**BF20-../SPE09XA4**	14	47.5	95	142	171	136	168	210	210	210	46	3100	-
20	3.1	113	260	1.1	13.18	IE3	**BF20-../SPE09XA4**	11	37.5	75	113	136	171	210	260	260	260	46	3300	-
20	3.1	96	310	0.98	15.54	IE3	**BF20-../SPE09XA4**	9.6	32	64	96	115	200	245	310	310	310	46	3450	-
20	3.1	89	335	1.1	16.77	IE3	**BF20-../SPE09XA4**	8.9	29.5	59	89	107	215	265	335	335	335	46	3500	-
20	3.1	81	365	1	18.45	IE3	**BF20-../SPE09XA4**	8.1	27	54	81	97	235	295	365	365	365	46	3600	-
20	3.1	68	440	0.9	22.04	IE3	**BF20-../SPE09XA4**	6.8	22.5	45	68	81	285	350	440	440	440	46	3800	-
20	3.1	61	485	0.82	24.25	IE3	**BF20-../SPE09XA4**	6.1	20.5	41	61	74	315	385	485	485	485	46	3950	-
20	3.1	235	126	2.1	6.34	IE3	**BF30-../SPE09XA4**	23.5	78	157	235	280	82	101	126	126	126	57	2400	-
20	3.1	185	161	1.8	8.07	IE3	**BF30-../SPE09XA4**	18.5	61	123	185	220	104	129	161	161	161	57	2650	-
20	3.1	150	199	1.6	9.99	IE3	**BF30-../SPE09XA4**	15	50	100	150	180	129	159	199	199	199	57	2850	-
20	3.1	116	255	1.4	12.91	IE3	**BF30-../SPE09XA4**	11.5	38.5	77	116	139	167	205	255	255	255	57	3050	-
20	3.1	93	320	1.3	16	IE3	**BF30-../SPE09XA4**	9.3	31	62	93	112	205	255	320	320	320	57	3250	-
20	3.1	84	350	1.3	17.65	IE3	**BF30-../SPE09XA4**	8.4	28	56	84	101	225	280	350	350	350	57	3300	-
20	3.1	77	385	1.3	19.41	IE3	**BF30-../SPE09XA4**	7.7	25.5	51	77	92	250	310	385	385	385	57	3400	-
20	3.1	68	435	1.2	21.85	IE3	**BF30-../SPE09XA4**	6.8	22.5	45.5	68	82	280	345	435	435	435	57	3500	-
20	3.1	62	480	1.1	24.03	IE3	**BF30-../SPE09XA4**	6.2	20.5	41.5	62	74	310	380	480	480	480	57	3600	-
20	3.1	53	560	1	28.23	IE3	**BF30-../SPE09XA4**	5.3	17.5	35	53	63	365	450	560	560	560	57	3800	-
20	3.1	48	620	0.92	31.05	IE3	**BF30-../SPE09XA4**	4.8	16	32	48	57	400	495	620	620	620	57	4000	-
20	3.1	42.5	700	0.81	35	IE3	**BF30-../SPE09XA4**	4.2	14	28.5	42.5	51	455	560	700	700	700	57	4200	-
20	3.1	255	117	2.9	5.87	IE3	**BF40-../SPE09XA4**	25.5	85	170	255	305	76	93	117	117	117	66	3550	-
20	3.1	196	152	2.4	7.62	IE3	**BF40-../SPE09XA4**	19.5	65	131	196	235	99	121	152	152	152	66	3900	-
20	3.1	158	189	2.2	9.48	IE3	**BF40-../SPE09XA4**	15.5	52	105	158	189	123	151	189	189	189	66	4150	-
20	3.1	127	235	2	11.79	IE3	**BF40-../SPE09XA4**	12.5	42	84	127	152	153	188	235	235	235	66	4450	-
20	3.1	99	300	1.7	15.02	IE3	**BF40-../SPE09XA4**	9.9	33	66	99	119	195	240	300	300	300	66	4800	-
20	3.1	86	345	1.8	17.35	IE3	**BF40-../SPE09XA4**	8.6	28.5	57	86	103	225	275	345	345	345	66	4950	-
20	3.1	78	380	1.7	19.09	IE3	**BF40-../SPE09XA4**	7.8	26	52	78	94	245	305	380	380	380	66	5100	-
20	3.1	69	430	1.6	21.6	IE3	**BF40-../SPE09XA4**	6.9	23	46	69	83	280	345	430	430	430	66	5200	-
20	3.1	63	475	1.5	23.77	IE3	**BF40-../SPE09XA4**	6.3	21	42	63	75	305	380	475	475	475	66	5400	-
20	3.1	55	530	1.4	26.86	IE3	**BF40-../SPE09XA4**	5.5	18.5	37	55	67	345	425	530	530	530	66	5600	-
20	3.1	50	590	1.4	29.55	IE3	**BF40-../SPE09XA4**	5	16.5	33.5	50	60	380	470	590	590	590	66	5800	-
20	3.1	43.5	680	1.2	34.21	IE3	**BF40-../SPE09XA4**	4.3	14.5	29	43.5	52	440	540	680	680	680	66	6000	-
20	3.1	39.5	750	1.2	37.64	IE3	**BF40-../SPE09XA4**	3.9	13	26.5	39.5	47.5	485	600	750	750	750	66	6200	-
20	3.1	36	820	1.1	41.42	IE3	**BF40-../SPE09XA4**	3.6	12	24	36	43	530	660	820	820	820	66	6500	-
20	3.1	32.5	910	0.99	45.56	IE3	**BF40-../SPE09XA4**	3.2	10.5	21.5	32.5	39.5	590	720	910	910	910	66	6800	-
20	3.1	30.5	970	0.92	48.92	IE3	**BF40-../SPE09XA4**	3	10	20	30.5	36.5	630	780	970	970	970	66	7000	-

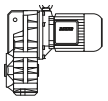
Selection - shaft-mounted geared motors - n_1 = 1500 $^1/_{min}$

MN = 20 Nm (PN = 3.1 kW)



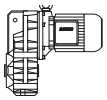
M_N	P_N	n_2	M_2	f_B	i	IE-Classe	Type	Speed range n_2 [1/min] at motor speed n_1 [1/min]					Torque range M_2 [Nm] at motor speed n_1 [1/min]					m	F_{RN}	F_{RV}
[Nm]	[kW]	[1/min]	[Nm]	[--]	[:1]			150	500	1000	1500	1800	150	500	1000	1500	1800	[kg]	[N]	[N]
20	3.1	27.5	1070	0.84	53.82	IE3	**BF40-../SPE09XA4**	2.7	9.2	18.5	27.5	33	690	860	1070	1070	1070	66	7200	-
20	3.1	102	290	2.7	14.65	IE3	**BF50-../SPE09XA4**	10	34	68	102	122	190	230	290	290	290	94	6100	-
20	3.1	64	460	2.4	23.14	IE3	**BF50-../SPE09XA4**	6.4	21.5	43	64	77	300	370	460	460	460	94	6800	-
20	3.1	57	510	2.2	25.88	IE3	**BF50-../SPE09XA4**	5.7	19	38.5	57	69	335	410	510	510	510	94	7100	-
20	3.1	47	630	2	31.73	IE3	**BF50-../SPE09XA4**	4.7	15.5	31.5	47	56	410	500	630	630	630	94	7500	-
20	3.1	42	700	1.8	35.49	IE3	**BF50-../SPE09XA4**	4.2	14	28	42	50	460	560	700	700	700	94	7800	-
20	3.1	35.5	840	1.5	42.15	IE3	**BF50-../SPE09XA4**	3.5	11.5	23.5	35.5	42.5	540	670	840	840	840	94	8500	-
20	3.1	31.5	940	1.4	47.14	IE3	**BF50-../SPE09XA4**	3.1	10.5	21	31.5	38	610	750	940	940	940	94	8900	-
20	3.1	26	1130	1.1	56.86	IE3	**BF50-../SPE09XA4**	2.6	8.7	17.5	26	31.5	730	900	1130	1130	1130	94	9300	-
20	3.1	23.5	1270	1	63.59	IE3	**BF50-../SPE09XA4**	2.3	7.8	15.5	23.5	28	820	1010	1270	1270	1270	94	9800	-
20	3.1	20.5	1450	0.89	72.72	IE3	**BF50-../SPE09XA4**	2	6.8	13.5	20.5	24.5	940	1160	1450	1450	1450	94	10700	-
20	3.1	18	1620	0.8	81.33	IE3	**BF50-../SPE09XA4**	1.8	6.1	12	18	22	1050	1300	1620	1620	1620	94	11300	-
20	3.1	48	620	3	31.2	IE3	**BF60-../SPE09XA4**	4.8	16	32	48	57	405	495	620	620	620	124	8800	24900
20	3.1	43	690	2.9	34.62	IE3	**BF60-../SPE09XA4**	4.3	14	28.5	43	51	450	550	690	690	690	124	9100	25700
20	3.1	36	830	2.5	41.6	IE3	**BF60-../SPE09XA4**	3.6	12	24	36	43	540	660	830	830	830	124	9600	27100
20	3.1	32	920	2.4	46.16	IE3	**BF60-../SPE09XA4**	3.2	10.5	21.5	32	38.5	600	730	920	920	920	124	9900	28000
20	3.1	27.5	1080	2.1	54.44	IE3	**BF60-../SPE09XA4**	2.7	9.1	18	27.5	33	700	870	1080	1080	1080	124	10500	29700
20	3.1	24.5	1200	1.9	60.4	IE3	**BF60-../SPE09XA4**	2.4	8.2	16.5	24.5	29.5	780	960	1200	1200	1200	124	11100	31400
20	3.1	20.5	1440	1.6	72.15	IE3	**BF60-../SPE09XA4**	2	6.9	13.5	20.5	24.5	930	1150	1440	1440	1440	124	12000	34000
20	3.1	18.5	1600	1.4	80.05	IE3	**BF60-../SPE09XA4**	1.8	6.2	12	18.5	22	1040	1280	1600	1600	1600	124	12600	35600
20	3.1	16	1860	1.2	93.44	IE3	**BF60-../SPE09XA4**	1.6	5.3	10.5	16	19	1210	1490	1860	1860	1860	124	13500	38200
20	3.1	14	2050	1.1	103.7	IE3	**BF60-../SPE09XA4**	1.4	4.8	9.6	14	17	1340	1650	2050	2050	2050	124	14100	39900
20	3.1	13	2250	1	113.1	IE3	**BF60-../SPE09XA4**	1.3	4.4	8.8	13	15.5	1470	1800	2250	2250	2250	124	14600	41300
20	3.1	11.5	2500	0.92	125.5	IE3	**BF60-../SPE09XA4**	1.1	3.9	7.9	11.5	14	1630	2000	2500	2500	2500	124	15300	43300
20	3.1	10.5	2800	0.82	140.8	IE3	**BF60Z-../SPE09XA4**	1	3.5	7.1	10.5	12.5	1830	2250	2800	2800	2800	143	15300	43300
20	3.1	15.5	1900	2.7	95.46	IE3	**BF70-../SPE09XA4**	1.5	5.2	10	15.5	18.5	1240	1520	1900	1900	1900	210	14000	43700
20	3.1	14	2100	2.5	105.2	IE3	**BF70-../SPE09XA4**	1.4	4.7	9.5	14	17	1360	1680	2100	2100	2100	210	14700	45100
20	3.1	12	2450	2.1	122.7	IE3	**BF70-../SPE09XA4**	1.2	4	8.1	12	14.5	1590	1960	2450	2450	2450	210	16100	47700
20	3.1	11	2650	2	133	IE3	**BF70Z-../SPE09XA4**	1.1	3.7	7.5	11	13.5	1720	2100	2650	2650	2650	231	16100	47700
20	3.1	9.7	3050	1.7	154	IE3	**BF70Z-../SPE09XA4**	0.95	3.2	6.4	9.7	11.5	2000	2450	3050	3050	3050	231	16100	47700
20	3.1	8.3	3550	1.4	179.7	IE3	**BF70Z-../SPE09XA4**	0.8	2.7	5.5	8.3	10	2300	2850	3550	3550	3550	231	16100	47700
20	3.1	7.5	3950	1.3	199.7	IE3	**BF70Z-../SPE09XA4**	0.75	2.5	5	7.5	9	2550	3150	3950	3950	3950	231	16100	47700
20	3.1	6.4	4650	1.1	233	IE3	**BF70Z-../SPE09XA4**	0.6	2.1	4.2	6.4	7.7	3000	3700	4650	4650	4650	231	16100	47700
20	3.1	5.7	5100	1	258.7	IE3	**BF70Z-../SPE09XA4**	0.55	1.9	3.8	5.7	6.9	3350	4100	5100	5100	5100	231	16100	47700
20	3.1	4.9	6000	0.86	301.8	IE3	**BF70Z-../SPE09XA4**	0.49	1.6	3.3	4.9	5.9	3900	4800	6000	6000	6000	231	16100	47700
20	3.1	9.4	3150	3	158.5	IE3	**BF80-../SPE09XA4**	0.9	3.1	6.3	9.4	11	2050	2500	3150	3150	3150	307	29000	75000
20	3.1	8.1	3650	2.6	184.5	IE3	**BF80-../SPE09XA4**	0.8	2.7	5.4	8.1	9.7	2350	2950	3650	3650	3650	307	31800	75000
20	3.1	7.1	4150	2.3	209.4	IE3	**BF80-../SPE09XA4**	0.7	2.3	4.7	7.1	8.5	2700	3350	4150	4150	4150	307	34300	75000
20	3.1	6.3	4700	2	237.1	IE3	**BF80-../SPE09XA4**	0.6	2.1	4.2	6.3	7.5	3050	3750	4700	4700	4700	307	36900	75000
20	3.1	5.5	5300	1.8	269.1	IE3	**BF80-../SPE09XA4**	0.55	1.8	3.7	5.5	6.6	3450	4300	5300	5300	5300	307	39600	75000
20	3.1	5.1	5800	1.8	291.7	IE3	**BF80Z-../SPE09XA4**	0.5	1.7	3.4	5.1	6.1	3750	4650	5800	5800	5800	348	39600	75000
20	3.1	4.3	6900	1.5	347.3	IE3	**BF80Z-../SPE09XA4**	0.43	1.4	2.8	4.3	5.1	4500	5500	6900	6900	6900	348	39600	75000
20	3.1	3.8	7800	1.3	394.2	IE3	**BF80Z-../SPE09XA4**	0.38	1.2	2.5	3.8	4.5	5100	6300	7800	7800	7800	348	39600	75000
20	3.1	3.3	9000	1.2	450.4	IE3	**BF80Z-../SPE09XA4**	0.33	1.1	2.2	3.3	3.9	5800	7200	9000	9000	9000	348	39600	75000
20	3.1	2.9	10200	1	511.2	IE3	**BF80Z-../SPE09XA4**	0.29	0.95	1.9	2.9	3.5	6600	8100	10200	10200	10200	348	39600	75000
20	3.1	2.5	11600	0.9	583.4	IE3	**BF80Z-../SPE09XA4**	0.25	0.85	1.7	2.5	3	7500	9300	11600	11600	11600	348	39600	75000
20	3.1	4.3	6800	2.7	343.6	IE3	**BF90Z-../SPE09XA4**	0.43	1.4	2.9	4.3	5.2	4450	5400	6800	6800	6800	612	42800	120000
20	3.1	3.9	7600	2.4	382.6	IE3	**BF90Z-../SPE09XA4**	0.39	1.3	2.6	3.9	4.7	4950	6100	7600	7600	7600	612	42800	120000
20	3.1	3.2	9100	2	456.7	IE3	**BF90Z-../SPE09XA4**	0.32	1	2.1	3.2	3.9	5900	7300	9100	9100	9100	612	42800	120000
20	3.1	2.9	10100	1.8	508.5	IE3	**BF90Z-../SPE09XA4**	0.29	0.95	1.9	2.9	3.5	6600	8100	10100	10100	10100	612	42800	120000
20	3.1	2.5	11800	1.6	591.1	IE3	**BF90Z-../SPE09XA4**	0.25	0.8	1.6	2.5	3	7600	9400	11800	11800	11800	612	42800	120000
20	3.1	2.2	13100	1.4	658.1	IE3	**BF90Z-../SPE09XA4**	0.22	0.75	1.5	2.2	2.7	8500	10500	13100	13100	13100	612	42800	120000
20	3.1	1.9	15100	1.2	759	IE3	**BF90Z-../SPE09XA4**	0.19	0.65	1.3	1.9	2.3	9800	12100	15100	15100	15100	612	42800	120000
20	3.1	1.7	16900	1.1	845.1	IE3	**BF90Z-../SPE09XA4**	0.17	0.55	1.1	1.7	2.1	10900	13500	16900	16900	16900	612	42800	120000
20	3.1	1.5	19500	0.95	976.1	IE3	**BF90G50-../SPE09XA4**	0.15	0.5	1	1.5	1.8	12600	15600	19500	19500	19500	624	42800	120000
20	3.1	1.4	20500	0.89	1043	IE3	**BF90G50-../SPE09XA4**	0.14	0.47	0.95	1.4	1.7	13500	16600	20500	20500	20500	624	42800	120000

MN = 25.5 Nm (PN = 4 kW)



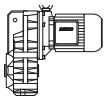
M_N	P_N	n_2	M_2	f_B	i	IE-Classe	Type	Speed range n_2 [1/min] at motor speed n_1 [1/min]					Torque range M_2 [Nm] at motor speed n_1 [1/min]					m	F_{RN}	F_{RV}
[Nm]	[kW]	[1/min]	[Nm]	[--]	[:1]			150	500	1000	1500	1800	150	500	1000	1500	1800	[kg]	[N]	[N]
25.5	4	235	161	1.6	6.34	IE3	**BF30-../SPE11SA6**	23.5	78	157	235	280	120	139	161	161	161	66	2400	-
25.5	4	185	205	1.4	8.07	IE3	**BF30-../SPE11SA6**	18.5	61	123	185	220	153	177	205	205	205	66	2650	-
25.5	4	150	250	1.3	9.99	IE3	**BF30-../SPE11SA6**	15	50	100	150	180	189	215	250	250	250	66	2850	-
25.5	4	116	325	1.1	12.91	IE3	**BF30-../SPE11SA6**	11.5	38.5	77	116	139	245	280	325	325	325	66	3050	-
25.5	4	93	405	0.99	16	IE3	**BF30-../SPE11SA6**	9.3	31	62	93	112	300	350	405	405	405	66	3250	-
25.5	4	84	450	1.1	17.65	IE3	**BF30-../SPE11SA6**	8.4	28	56	84	101	335	385	450	450	450	66	3300	-
25.5	4	77	490	1	19.41	IE3	**BF30-../SPE11SA6**	7.7	25.5	51	77	92	365	425	490	490	490	66	3400	-
25.5	4	68	550	0.93	21.85	IE3	**BF30-../SPE11SA6**	6.8	22.5	45.5	68	82	415	480	550	550	550	66	3500	-
25.5	4	62	610	0.9	24.03	IE3	**BF30-../SPE11SA6**	6.2	20.5	41.5	62	74	455	520	610	610	610	66	3600	-
25.5	4	255	149	2.2	5.87	IE3	**BF40-../SPE11SA6**	25.5	85	170	255	305	111	129	149	149	149	80	3550	-

MN = 25.5 Nm (PN = 4 kW)



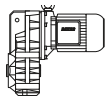
M_N	P_N	n_2	M_2	f_B	i	IE-Classe	Type	Speed range n_2 [1/min] at motor speed n_1 [1/min]					Torque range M_2 [Nm] at motor speed n_1 [1/min]					m	F_{RN}	F_{RV}
[Nm]	[kW]	[1/min]	[Nm]	[--]	[:1]			150	500	1000	1500	1800	150	500	1000	1500	1800	[kg]	[N]	[N]
25.5	4	196	194	1.9	7.62	IE3	**BF40-../SPE11SA6**	19.5	65	131	196	235	144	167	194	194	194	80	3900	-
25.5	4	158	240	1.7	9.48	IE3	**BF40-../SPE11SA6**	15.5	52	105	158	189	180	205	240	240	240	80	4150	-
25.5	4	127	300	1.5	11.79	IE3	**BF40-../SPE11SA6**	12.5	42	84	127	152	220	255	300	300	300	80	4450	-
25.5	4	99	380	1.4	15.02	IE3	**BF40-../SPE11SA6**	9.9	33	66	99	119	285	330	380	380	380	80	4800	-
25.5	4	86	440	1.4	17.35	IE3	**BF40-../SPE11SA6**	8.6	28.5	57	86	103	325	380	440	440	440	80	4950	-
25.5	4	78	485	1.4	19.09	IE3	**BF40-../SPE11SA6**	7.8	26	52	78	94	360	415	485	485	485	80	5100	-
25.5	4	69	550	1.3	21.6	IE3	**BF40-../SPE11SA6**	6.9	23	46	69	83	410	475	550	550	550	80	5200	-
25.5	4	63	600	1.2	23.77	IE3	**BF40-../SPE11SA6**	6.3	21	42	63	75	450	520	600	600	600	80	5400	-
25.5	4	55	680	1.1	26.86	IE3	**BF40-../SPE11SA6**	5.5	18.5	37	55	67	510	590	680	680	680	80	5600	-
25.5	4	50	750	1.1	29.55	IE3	**BF40-../SPE11SA6**	5	16.5	33.5	50	60	560	650	750	750	750	80	5800	-
25.5	4	43.5	870	0.97	34.21	IE3	**BF40-../SPE11SA6**	4.3	14.5	29	43.5	52	640	750	870	870	870	80	6000	-
25.5	4	39.5	950	0.93	37.64	IE3	**BF40-../SPE11SA6**	3.9	13	26.5	39.5	47.5	710	820	950	950	950	80	6200	-
25.5	4	36	1050	0.85	41.42	IE3	**BF40-../SPE11SA6**	3.6	12	24	36	43	780	910	1050	1050	1050	80	6500	-
25.5	4	194	196	2.8	7.71	IE3	**BF50-../SPE11SA6**	19	64	129	194	230	146	169	196	196	196	110	5100	-
25.5	4	140	270	2.5	10.68	IE3	**BF50-../SPE11SA6**	14	46.5	93	140	168	200	230	270	270	270	110	5600	-
25.5	4	102	370	2.1	14.65	IE3	**BF50-../SPE11SA6**	10	34	68	102	122	275	320	370	370	370	110	6100	-
25.5	4	89	425	2.2	16.7	IE3	**BF50-../SPE11SA6**	8.9	29.5	59	89	107	315	365	425	425	425	110	6200	-
25.5	4	80	475	2.1	18.68	IE3	**BF50-../SPE11SA6**	8	26.5	53	80	96	350	410	475	475	475	110	6400	-
25.5	4	64	590	1.9	23.14	IE3	**BF50-../SPE11SA6**	6.4	21.5	43	64	77	435	500	590	590	590	110	6800	-
25.5	4	57	650	1.8	25.88	IE3	**BF50-../SPE11SA6**	5.7	19	38.5	57	69	490	560	650	650	650	110	7100	-
25.5	4	47	800	1.6	31.73	IE3	**BF50-../SPE11SA6**	4.7	15.5	31.5	47	56	600	690	800	800	800	110	7500	-
25.5	4	42	900	1.4	35.49	IE3	**BF50-../SPE11SA6**	4.2	14	28	42	50	670	780	900	900	900	110	7800	-
25.5	4	35.5	1070	1.2	42.15	IE3	**BF50-../SPE11SA6**	3.5	11.5	23.5	35.5	42.5	800	920	1070	1070	1070	110	8500	-
25.5	4	31.5	1200	1.1	47.14	IE3	**BF50-../SPE11SA6**	3.1	10.5	21	31.5	38	890	1030	1200	1200	1200	110	8900	-
25.5	4	26	1440	0.9	56.86	IE3	**BF50-../SPE11SA6**	2.6	8.7	17.5	26	31.5	1080	1250	1440	1440	1440	110	9300	-
25.5	4	23.5	1620	0.8	63.59	IE3	**BF50-../SPE11SA6**	2.3	7.8	15.5	23.5	28	1200	1390	1620	1620	1620	110	9800	-
25.5	4	66	570	2.9	22.58	IE3	**BF60-../SPE11SA6**	6.6	22	44	66	79	425	495	570	570	570	141	8000	22600
25.5	4	59	630	2.7	25.05	IE3	**BF60-../SPE11SA6**	5.9	19.5	39.5	59	71	475	550	630	630	630	141	8200	23200
25.5	4	48	790	2.4	31.2	IE3	**BF60-../SPE11SA6**	4.8	16	32	48	57	590	680	790	790	790	141	8800	24900
25.5	4	43	880	2.2	34.62	IE3	**BF60-../SPE11SA6**	4.3	14	28.5	43	51	650	760	880	880	880	141	9100	25700
25.5	4	36	1060	2	41.6	IE3	**BF60-../SPE11SA6**	3.6	12	24	36	43	790	910	1060	1060	1060	141	9600	27100
25.5	4	32	1170	1.9	46.16	IE3	**BF60-../SPE11SA6**	3.2	10.5	21.5	32	38.5	870	1010	1170	1170	1170	141	9900	28000
25.5	4	27.5	1380	1.7	54.44	IE3	**BF60-../SPE11SA6**	2.7	9.1	18	27.5	33	1030	1190	1380	1380	1380	141	10500	29700
25.5	4	24.5	1540	1.5	60.4	IE3	**BF60-../SPE11SA6**	2.4	8.2	16.5	24.5	29.5	1140	1320	1540	1540	1540	141	11100	31400
25.5	4	20.5	1830	1.3	72.15	IE3	**BF60-../SPE11SA6**	2	6.9	13.5	20.5	24.5	1370	1580	1830	1830	1830	141	12000	34000
25.5	4	18.5	2000	1.1	80.05	IE3	**BF60-../SPE11SA6**	1.8	6.2	12	18.5	22	1520	1760	2000	2000	2000	141	12600	35600
25.5	4	16	2350	0.97	93.44	IE3	**BF60-../SPE11SA6**	1.6	5.3	10.5	16	19	1770	2050	2350	2350	2350	141	13500	38200
25.5	4	14	2600	0.87	103.7	IE3	**BF60-../SPE11SA6**	1.4	4.8	9.6	14	17	1970	2250	2600	2600	2600	141	14100	39900
25.5	4	13	2850	0.8	113.1	IE3	**BF60-../SPE11SA6**	1.3	4.4	8.8	13	15.5	2100	2450	2850	2850	2850	141	14600	41300
25.5	4	20.5	1840	2.8	72.26	IE3	**BF70-../SPE11SA6**	2	6.9	13.5	20.5	24.5	1370	1580	1840	1840	1840	220	12000	39600
25.5	4	18	2050	2.5	81.82	IE3	**BF70-../SPE11SA6**	1.8	6.1	12	18	21.5	1550	1800	2050	2050	2050	220	12800	41300
25.5	4	15.5	2400	2.1	95.46	IE3	**BF70-../SPE11SA6**	1.5	5.2	10	15.5	18.5	1810	2100	2400	2400	2400	220	14000	43700
25.5	4	14	2650	1.9	105.2	IE3	**BF70-../SPE11SA6**	1.4	4.7	9.5	14	17	1990	2300	2650	2650	2650	220	14700	45100
25.5	4	12	3100	1.7	122.7	IE3	**BF70-../SPE11SA6**	1.2	4	8.1	12	14.5	2300	2650	3100	3100	3100	220	16100	47700
25.5	4	11	3350	1.5	133	IE3	**BF70Z-../SPE11SA6**	1.1	3.7	7.5	11	13.5	2500	2900	3350	3350	3350	247	16100	47700
25.5	4	9.7	3900	1.3	154	IE3	**BF70Z-../SPE11SA6**	0.95	3.2	6.4	9.7	11.5	2900	3350	3900	3900	3900	247	16100	47700
25.5	4	8.3	4550	1.1	179.7	IE3	**BF70Z-../SPE11SA6**	0.8	2.7	5.5	8.3	10	3400	3950	4550	4550	4550	247	16100	47700
25.5	4	7.5	5000	1	199.7	IE3	**BF70Z-../SPE11SA6**	0.75	2.5	5	7.5	9	3750	4350	5000	5000	5000	247	16100	47700
25.5	4	6.4	5900	0.88	233	IE3	**BF70Z-../SPE11SA6**	0.6	2.1	4.2	6.4	7.7	4400	5100	5900	5900	5900	247	16100	47700
25.5	4	12	3100	3	122.4	IE3	**BF80-../SPE11SA6**	1.2	4	8.1	12	14.5	2300	2650	3100	3100	3100	316	24500	75000
25.5	4	10.5	3550	2.7	139.7	IE3	**BF80-../SPE11SA6**	1	3.5	7.1	10.5	12.5	2650	3050	3550	3550	3550	316	26700	75000
25.5	4	9.4	4000	2.4	158.5	IE3	**BF80-../SPE11SA6**	0.9	3.1	6.3	9.4	11	3000	3450	4000	4000	4000	316	29000	75000
25.5	4	8.1	4700	2	184.5	IE3	**BF80-../SPE11SA6**	0.8	2.7	5.4	8.1	9.7	3500	4050	4700	4700	4700	316	31800	75000
25.5	4	7.1	5300	1.8	209.4	IE3	**BF80-../SPE11SA6**	0.7	2.3	4.7	7.1	8.5	3950	4600	5300	5300	5300	316	34300	75000
25.5	4	6.3	6000	1.6	237.1	IE3	**BF80-../SPE11SA6**	0.6	2.1	4.2	6.3	7.5	4500	5200	6000	6000	6000	316	36900	75000
25.5	4	5.5	6800	1.4	269.1	IE3	**BF80-../SPE11SA6**	0.55	1.8	3.7	5.5	6.6	5100	5900	6800	6800	6800	316	39600	75000
25.5	4	5.1	7400	1.4	291.7	IE3	**BF80Z-../SPE11SA6**	0.5	1.7	3.4	5.1	6.1	5500	6400	7400	7400	7400	363	39600	75000
25.5	4	4.3	8800	1.2	347.3	IE3	**BF80Z-../SPE11SA6**	0.43	1.4	2.8	4.3	5.1	6500	7600	8800	8800	8800	363	39600	75000
25.5	4	3.8	10000	1	394.2	IE3	**BF80Z-../SPE11SA6**	0.38	1.2	2.5	3.8	4.5	7400	8600	10000	10000	10000	363	39600	75000
25.5	4	3.3	11400	0.91	450.4	IE3	**BF80Z-../SPE11SA6**	0.33	1.1	2.2	3.3	3.9	8500	9900	11400	11400	11400	363	39600	75000
25.5	4	2.9	13000	0.81	511.2	IE3	**BF80Z-../SPE11SA6**	0.29	0.95	1.9	2.9	3.5	9700	11200	13000	13000	13000	363	39600	75000
25.5	4	6.4	5900	2.8	232.6	IE3	**BF90-../SPE11SA6**	0.6	2.1	4.2	6.4	7.7	4400	5100	5900	5900	5900	569	39900	118300
25.5	4	5.7	6600	2.5	259	IE3	**BF90-../SPE11SA6**	0.55	1.9	3.8	5.7	6.9	4900	5600	6600	6600	6600	569	42800	120000
25.5	4	5.5	6800	2.7	269.8	IE3	**BF90Z-../SPE11SA6**	0.55	1.8	3.7	5.5	6.6	5100	5900	6800	6800	6800	629	42800	120000
25.5	4	4.9	7600	2.4	300.4	IE3	**BF90Z-../SPE11SA6**	0.49	1.6	3.3	4.9	5.9	5700	6600	7600	7600	7600	629	42800	120000
25.5	4	4.3	8700	2.1	343.6	IE3	**BF90Z-../SPE11SA6**	0.43	1.4	2.9	4.3	5.2	6500	7500	8700	8700	8700	629	42800	120000
25.5	4	3.9	9700	1.9	382.6	IE3	**BF90Z-../SPE11SA6**	0.39	1.3	2.6	3.9	4.7	7200	8400	9700	9700	9700	629	42800	120000
25.5	4	3.2	11600	1.6	456.7	IE3	**BF90Z-../SPE11SA6**	0.32	1	2.1	3.2	3.9	8600	10000	11600	11600	11600	629	42800	120000
25.5	4	2.9	12900	1.4	508.5	IE3	**BF90Z-../SPE11SA6**	0.29	0.95	1.9	2.9	3.5	9600	11100	12900	12900	12900	629	42800	120000
25.5	4	2.5	15000	1.2	591.1	IE3	**BF90Z-../SPE11SA6**	0.25	0.8	1.6	2.5	3	11200	13000	15000	15000	15000	629	42800	120000
25.5	4	2.2	16700	1.1	658.1	IE3	**BF90Z-../SPE11SA6**	0.22	0.75	1.5	2.2	2.7	12500	14400	16700	16700	16700	629	42800	120000
25.5	4	1.9	19300	0.96	759	IE3	**BF90Z-../SPE11SA6**	0.19	0.65	1.3	1.9	2.3	14400	16600	19300	19300	19300	629	42800	120000
25.5	4	1.7	21500	0.86	845.1	IE3	**BF90Z-../SPE11SA6**	0.17	0.55	1.1	1.7	2.1	16000	18500	21500	21500	21500	629	42800	120000

MN = 26.5 Nm (PN = 4 kW)



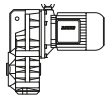
M_N	P_N	n_2	M_2	f_B	i	IE-Classe	Type	Speed range n_2 [1/min] at motor speed n_1 [1/min]					Torque range M_2 [Nm] at motor speed n_1 [1/min]					m	F_{RN}	F_{RV}
[Nm]	[kW]	[1/min]	[Nm]	[--]	[:1]			150	500	1000	1500	1800	150	500	1000	1500	1800	[kg]	[N]	[N]
26.5	4	235	168	1.6	6.34	IE5	**BF30-../S5E11MA6**	23.5	78	157	235	280	168	168	168	168	168	66	2400	-
26.5	4	185	210	1.3	8.07	IE5	**BF30-../S5E11MA6**	18.5	61	123	185	220	210	210	210	210	210	66	2650	-
26.5	4	150	260	1.2	9.99	IE5	**BF30-../S5E11MA6**	15	50	100	150	180	260	260	260	260	260	66	2850	-
26.5	4	116	340	1.1	12.91	IE5	**BF30-../S5E11MA6**	11.5	38.5	77	116	139	340	340	340	340	340	66	3050	-
26.5	4	93	420	0.96	16	IE5	**BF30-../S5E11MA6**	9.3	31	62	93	112	420	420	420	420	420	66	3250	-
26.5	4	84	465	1	17.65	IE5	**BF30-../S5E11MA6**	8.4	28	56	84	101	465	465	465	465	465	66	3300	-
26.5	4	77	510	0.97	19.41	IE5	**BF30-../S5E11MA6**	7.7	25.5	51	77	92	510	510	510	510	510	66	3400	-
26.5	4	68	570	0.9	21.85	IE5	**BF30-../S5E11MA6**	6.8	22.5	45.5	68	82	570	570	570	570	570	66	3500	-
26.5	4	62	630	0.86	24.03	IE5	**BF30-../S5E11MA6**	6.2	20.5	41.5	62	74	630	630	630	630	630	66	3600	-
26.5	4	255	155	2.2	5.87	IE5	**BF40-../S5E11MA6**	25.5	85	170	255	305	155	155	155	155	155	80	3550	-
26.5	4	196	200	1.8	7.62	IE5	**BF40-../S5E11MA6**	19.5	65	131	196	235	200	200	200	200	200	80	3900	-
26.5	4	158	250	1.7	9.48	IE5	**BF40-../S5E11MA6**	15.5	52	105	158	189	250	250	250	250	250	80	4150	-
26.5	4	127	310	1.5	11.79	IE5	**BF40-../S5E11MA6**	12.5	42	84	127	152	310	310	310	310	310	80	4450	-
26.5	4	99	395	1.3	15.02	IE5	**BF40-../S5E11MA6**	9.9	33	66	99	119	395	395	395	395	395	80	4800	-
26.5	4	86	455	1.4	17.35	IE5	**BF40-../S5E11MA6**	8.6	28.5	57	86	103	455	455	455	455	455	80	4950	-
26.5	4	78	500	1.3	19.09	IE5	**BF40-../S5E11MA6**	7.8	26	52	78	94	500	500	500	500	500	80	5100	-
26.5	4	69	570	1.2	21.6	IE5	**BF40-../S5E11MA6**	6.9	23	46	69	83	570	570	570	570	570	80	5200	-
26.5	4	63	620	1.2	23.77	IE5	**BF40-../S5E11MA6**	6.3	21	42	63	75	620	620	620	620	620	80	5400	-
26.5	4	55	710	1.1	26.86	IE5	**BF40-../S5E11MA6**	5.5	18.5	37	55	67	710	710	710	710	710	80	5600	-
26.5	4	50	780	1	29.55	IE5	**BF40-../S5E11MA6**	5	16.5	33.5	50	60	780	780	780	780	780	80	5800	-
26.5	4	43.5	900	0.94	34.21	IE5	**BF40-../S5E11MA6**	4.3	14.5	29	43.5	52	900	900	900	900	900	80	6000	-
26.5	4	39.5	990	0.89	37.64	IE5	**BF40-../S5E11MA6**	3.9	13	26.5	39.5	47.5	990	990	990	990	990	80	6200	-
26.5	4	36	1090	0.82	41.42	IE5	**BF40-../S5E11MA6**	3.6	12	24	36	43	1090	1090	1090	1090	1090	80	6500	-
26.5	4	194	200	2.7	7.71	IE5	**BF50-../S5E11MA6**	19	64	129	194	230	200	200	200	200	200	110	5100	-
26.5	4	140	280	2.4	10.68	IE5	**BF50-../S5E11MA6**	14	46.5	93	140	168	280	280	280	280	280	110	5600	-
26.5	4	102	385	2	14.65	IE5	**BF50-../S5E11MA6**	10	34	68	102	122	385	385	385	385	385	110	6100	-
26.5	4	89	440	2.1	16.7	IE5	**BF50-../S5E11MA6**	8.9	29.5	59	89	107	440	440	440	440	440	110	6200	-
26.5	4	80	495	2	18.68	IE5	**BF50-../S5E11MA6**	8	26.5	53	80	96	495	495	495	495	495	110	6400	-
26.5	4	64	610	1.8	23.14	IE5	**BF50-../S5E11MA6**	6.4	21.5	43	64	77	610	610	610	610	610	110	6800	-
26.5	4	57	680	1.7	25.88	IE5	**BF50-../S5E11MA6**	5.7	19	38.5	57	69	680	680	680	680	680	110	7100	-
26.5	4	47	840	1.5	31.73	IE5	**BF50-../S5E11MA6**	4.7	15.5	31.5	47	56	840	840	840	840	840	110	7500	-
26.5	4	42	940	1.4	35.49	IE5	**BF50-../S5E11MA6**	4.2	14	28	42	50	940	940	940	940	940	110	7800	-
26.5	4	35.5	1110	1.2	42.15	IE5	**BF50-../S5E11MA6**	3.5	11.5	23.5	35.5	42.5	1110	1110	1110	1110	1110	110	8500	-
26.5	4	31.5	1240	1	47.14	IE5	**BF50-../S5E11MA6**	3.1	10.5	21	31.5	38	1240	1240	1240	1240	1240	110	8900	-
26.5	4	26	1500	0.86	56.86	IE5	**BF50-../S5E11MA6**	2.6	8.7	17.5	26	31.5	1500	1500	1500	1500	1500	110	9300	-
26.5	4	79	495	3	18.81	IE5	**BF60-../S5E11MA6**	7.9	26.5	53	79	95	495	495	495	495	495	141	7600	21500
26.5	4	66	590	2.8	22.58	IE5	**BF60-../S5E11MA6**	6.6	22	44	66	79	590	590	590	590	590	141	8000	22600
26.5	4	59	660	2.6	25.05	IE5	**BF60-../S5E11MA6**	5.9	19.5	39.5	59	71	660	660	660	660	660	141	8200	23200
26.5	4	48	820	2.3	31.2	IE5	**BF60-../S5E11MA6**	4.8	16	32	48	57	820	820	820	820	820	141	8800	24900
26.5	4	43	910	2.2	34.62	IE5	**BF60-../S5E11MA6**	4.3	14	28.5	43	51	910	910	910	910	910	141	9100	25700
26.5	4	36	1100	1.9	41.6	IE5	**BF60-../S5E11MA6**	3.6	12	24	36	43	1100	1100	1100	1100	1100	141	9600	27100
26.5	4	32	1220	1.8	46.16	IE5	**BF60-../S5E11MA6**	3.2	10.5	21.5	32	38.5	1220	1220	1220	1220	1220	141	9900	28000
26.5	4	27.5	1440	1.6	54.44	IE5	**BF60-../S5E11MA6**	2.7	9.1	18	27.5	33	1440	1440	1440	1440	1440	141	10500	29700
26.5	4	24.5	1600	1.4	60.4	IE5	**BF60-../S5E11MA6**	2.4	8.2	16.5	24.5	29.5	1600	1600	1600	1600	1600	141	11100	31400
26.5	4	20.5	1910	1.2	72.15	IE5	**BF60-../S5E11MA6**	2	6.9	13.5	20.5	24.5	1910	1910	1910	1910	1910	141	12000	34000
26.5	4	18.5	2100	1.1	80.05	IE5	**BF60-../S5E11MA6**	1.8	6.2	12	18.5	22	2100	2100	2100	2100	2100	141	12600	35600
26.5	4	16	2450	0.93	93.44	IE5	**BF60-../S5E11MA6**	1.6	5.3	10.5	16	19	2450	2450	2450	2450	2450	141	13500	38200
26.5	4	14	2700	0.84	103.7	IE5	**BF60-../S5E11MA6**	1.4	4.8	9.6	14	17	2700	2700	2700	2700	2700	141	14100	39900
26.5	4	20.5	1910	2.7	72.26	IE5	**BF70-../S5E11MA6**	2	6.9	13.5	20.5	24.5	1910	1910	1910	1910	1910	220	12000	39600
26.5	4	18	2150	2.4	81.82	IE5	**BF70-../S5E11MA6**	1.8	6.1	12	18	21.5	2150	2150	2150	2150	2150	220	12800	41300
26.5	4	15.5	2500	2.1	95.46	IE5	**BF70-../S5E11MA6**	1.5	5.2	10	15.5	18.5	2500	2500	2500	2500	2500	220	14000	43700
26.5	4	14	2750	1.9	105.2	IE5	**BF70-../S5E11MA6**	1.4	4.7	9.5	14	17	2750	2750	2750	2750	2750	220	14700	45100
26.5	4	12	3250	1.6	122.7	IE5	**BF70-../S5E11MA6**	1.2	4	8.1	12	14.5	3250	3250	3250	3250	3250	220	16100	47700
26.5	4	11	3500	1.5	133	IE5	**BF70Z-../S5E11MA6**	1.1	3.7	7.5	11	13.5	3500	3500	3500	3500	3500	247	16100	47700
26.5	4	9.7	4050	1.3	154	IE5	**BF70Z-../S5E11MA6**	0.95	3.2	6.4	9.7	11.5	4050	4050	4050	4050	4050	247	16100	47700
26.5	4	8.3	4750	1.1	179.7	IE5	**BF70Z-../S5E11MA6**	0.8	2.7	5.5	8.3	10	4750	4750	4750	4750	4750	247	16100	47700
26.5	4	7.5	5200	0.98	199.7	IE5	**BF70Z-../S5E11MA6**	0.75	2.5	5	7.5	9	5200	5200	5200	5200	5200	247	16100	47700
26.5	4	6.4	6100	0.84	233	IE5	**BF70Z-../S5E11MA6**	0.6	2.1	4.2	6.4	7.7	6100	6100	6100	6100	6100	247	16100	47700
26.5	4	12	3200	2.9	122.4	IE5	**BF80-../S5E11MA6**	1.2	4	8.1	12	14.5	3200	3200	3200	3200	3200	316	24500	75000
26.5	4	10.5	3700	2.6	139.7	IE5	**BF80-../S5E11MA6**	1	3.5	7.1	10.5	12.5	3700	3700	3700	3700	3700	316	26700	75000
26.5	4	9.4	4200	2.3	158.5	IE5	**BF80-../S5E11MA6**	0.9	3.1	6.3	9.4	11	4200	4200	4200	4200	4200	316	29000	75000
26.5	4	8.1	4850	1.9	184.5	IE5	**BF80-../S5E11MA6**	0.8	2.7	5.4	8.1	9.7	4850	4850	4850	4850	4850	316	31800	75000
26.5	4	7.1	5500	1.7	209.4	IE5	**BF80-../S5E11MA6**	0.7	2.3	4.7	7.1	8.5	5500	5500	5500	5500	5500	316	34300	75000
26.5	4	6.3	6200	1.5	237.1	IE5	**BF80-../S5E11MA6**	0.6	2.1	4.2	6.3	7.5	6200	6200	6200	6200	6200	316	36900	75000
26.5	4	5.5	7100	1.3	269.1	IE5	**BF80-../S5E11MA6**	0.55	1.8	3.7	5.5	6.6	7100	7100	7100	7100	7100	316	39600	75000
26.5	4	5.1	7700	1.4	291.7	IE5	**BF80Z-../S5E11MA6**	0.5	1.7	3.4	5.1	6.1	7700	7700	7700	7700	7700	363	39600	75000
26.5	4	4.3	9200	1.1	347.3	IE5	**BF80Z-../S5E11MA6**	0.43	1.4	2.8	4.3	5.1	9200	9200	9200	9200	9200	363	39600	75000
26.5	4	3.8	10400	1	394.2	IE5	**BF80Z-../S5E11MA6**	0.38	1.2	2.5	3.8	4.5	10400	10400	10400	10400	10400	363	39600	75000
26.5	4	3.3	11900	0.88	450.4	IE5	**BF80Z-../S5E11MA6**	0.33	1.1	2.2	3.3	3.9	11900	11900	11900	11900	11900	363	39600	75000
26.5	4	6.4	6100	2.7	232.6	IE5	**BF90-../S5E11MA6**	0.6	2.1	4.2	6.4	7.7	6100	6100	6100	6100	6100	569	39900	118300
26.5	4	5.7	6800	2.4	259	IE5	**BF90-../S5E11MA6**	0.55	1.9	3.8	5.7	6.9	6800	6800	6800	6800	6800	569	42800	120000
26.5	4	5.5	7100	2.6	269.8	IE5	**BF90Z-../S5E11MA6**	0.55	1.8	3.7	5.5	6.6	7100	7100	7100	7100	7100	629	42800	120000
26.5	4	4.9	7900	2.3	300.4	IE5	**BF90Z-../S5E11MA6**	0.49	1.6	3.3	4.9	5.9	7900	7900	7900	7900	7900	629	42800	120000
26.5	4	4.3	9100	2	343.6	IE5	**BF90Z-../S5E11MA6**	0.43	1.4	2.9	4.3	5.2	9100	9100	9100	9100	9100	629	42800	120000
26.5	4	3.9	10100	1.8	382.6	IE5	**BF90Z-../S5E11MA6**	0.39	1.3	2.6	3.9	4.7	10100	10100	10100	10100	10100	629	42800	120000
26.5	4	3.2	12100	1.5	456.7	IE5	**BF90Z-../S5E11MA6**	0.32	1	2.1	3.2	3.9	12100	12100	12100	12100	12100	629	42800	120000
26.5	4	2.9	13400	1.4	508.5	IE5	**BF90Z-../S5E11MA6**	0.29	0.95	1.9	2.9	3.5	13400	13400	13400	13400	13400	629	42800	120000

MN = 26.5 Nm (PN = 4 kW)



M_N	P_N	n_2	M_2	f_B	i	IE-Classe	Type	Speed range n_2 [1/min] at motor speed n_1 [1/min]					Torque range M_2 [Nm] at motor speed n_1 [1/min]					m	F_{RN}	F_{RV}
[Nm]	[kW]	[1/min]	[Nm]	[--]	[:1]			150	500	1000	1500	1800	150	500	1000	1500	1800	[kg]	[N]	[N]
26.5	4	2.5	15600	1.2	591.1	IE5	**BF90Z-../S5E11MA6**	0.25	0.8	1.6	2.5	3	15600	15600	15600	15600	15600	629	42800	120000
26.5	4	2.2	17400	1.1	658.1	IE5	**BF90Z-../S5E11MA6**	0.22	0.75	1.5	2.2	2.7	17400	17400	17400	17400	17400	629	42800	120000
26.5	4	1.9	20000	0.92	759	IE5	**BF90Z-../S5E11MA6**	0.19	0.65	1.3	1.9	2.3	20000	20000	20000	20000	20000	629	42800	120000
26.5	4	1.7	22000	0.83	845.1	IE5	**BF90Z-../S5E11MA6**	0.17	0.55	1.1	1.7	2.1	22000	22000	22000	22000	22000	629	42800	120000

MN = 35 Nm (PN = 5.5 kW)

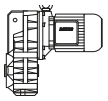


M_N	P_N	n_2	M_2	f_B	i	IE-Classe	Type	Speed range n_2 [1/min] at motor speed n_1 [1/min]					Torque range M_2 [Nm] at motor speed n_1 [1/min]					m	F_{RN}	F_{RV}
[Nm]	[kW]	[1/min]	[Nm]	[--]	[:1]			150	500	1000	1500	1800	150	500	1000	1500	1800	[kg]	[N]	[N]
35	5.5	235	220	1.2	6.34	IE5	**BF30-../S5E11LA6**	23.5	78	157	235	280	220	220	220	220	220	78	2400	-
35	5.5	235	220	1.2	6.34	IE4	**BF30-../S4E11MA6**	23.5	78	157	235	280	168	190	220	220	220	66	2400	-
35	5.5	185	280	1	8.07	IE5	**BF30-../S5E11LA6**	18.5	61	123	185	220	280	280	280	280	280	78	2650	-
35	5.5	185	280	1	8.07	IE4	**BF30-../S4E11MA6**	18.5	61	123	185	220	210	240	280	280	280	66	2650	-
35	5.5	150	345	0.92	9.99	IE4	**BF30-../S4E11MA6**	15	50	100	150	180	260	295	345	345	345	66	2850	-
35	5.5	150	345	0.92	9.99	IE5	**BF30-../S5E11LA6**	15	50	100	150	180	345	345	345	345	345	78	2850	-
35	5.5	116	450	0.81	12.91	IE5	**BF30-../S5E11LA6**	11.5	38.5	77	116	139	450	450	450	450	450	78	3050	-
35	5.5	116	450	0.81	12.91	IE4	**BF30-../S4E11MA6**	11.5	38.5	77	116	139	340	385	450	450	450	66	3050	-
35	5.5	255	205	1.6	5.87	IE5	**BF40-../S5E11LA6**	25.5	85	170	255	305	205	205	205	205	205	92	3550	-
35	5.5	255	205	1.6	5.87	IE4	**BF40-../S4E11MA6**	25.5	85	170	255	305	155	176	205	205	205	80	3550	-
35	5.5	196	265	1.4	7.62	IE4	**BF40-../S4E11MA6**	19.5	65	131	196	235	200	225	265	265	265	80	3900	-
35	5.5	196	265	1.4	7.62	IE5	**BF40-../S5E11LA6**	19.5	65	131	196	235	265	265	265	265	265	92	3900	-
35	5.5	158	330	1.3	9.48	IE4	**BF40-../S4E11MA6**	15.5	52	105	158	189	250	280	330	330	330	80	4150	-
35	5.5	158	330	1.3	9.48	IE5	**BF40-../S5E11LA6**	15.5	52	105	158	189	330	330	330	330	330	92	4150	-
35	5.5	127	410	1.1	11.79	IE4	**BF40-../S4E11MA6**	12.5	42	84	127	152	310	350	410	410	410	80	4450	-
35	5.5	127	410	1.1	11.79	IE5	**BF40-../S5E11LA6**	12.5	42	84	127	152	410	410	410	410	410	92	4450	-
35	5.5	99	520	0.99	15.02	IE5	**BF40-../S5E11LA6**	9.9	33	66	99	119	520	520	520	520	520	92	4800	-
35	5.5	99	520	0.99	15.02	IE4	**BF40-../S4E11MA6**	9.9	33	66	99	119	395	450	520	520	520	80	4800	-
35	5.5	86	600	1	17.35	IE4	**BF40-../S4E11MA6**	8.6	28.5	57	86	103	455	520	600	600	600	80	4950	-
35	5.5	86	600	1	17.35	IE5	**BF40-../S5E11LA6**	8.6	28.5	57	86	103	600	600	600	600	600	92	4950	-
35	5.5	78	660	0.99	19.09	IE5	**BF40-../S5E11LA6**	7.8	26	52	78	94	660	660	660	660	660	92	5100	-
35	5.5	78	660	0.99	19.09	IE4	**BF40-../S4E11MA6**	7.8	26	52	78	94	500	570	660	660	660	80	5100	-
35	5.5	69	750	0.93	21.6	IE4	**BF40-../S4E11MA6**	6.9	23	46	69	83	570	640	750	750	750	80	5200	-
35	5.5	69	750	0.93	21.6	IE5	**BF40-../S5E11LA6**	6.9	23	46	69	83	750	750	750	750	750	92	5200	-
35	5.5	63	830	0.88	23.77	IE4	**BF40-../S4E11MA6**	6.3	21	42	63	75	620	710	830	830	830	80	5400	-
35	5.5	63	830	0.88	23.77	IE5	**BF40-../S5E11LA6**	6.3	21	42	63	75	830	830	830	830	830	92	5400	-
35	5.5	55	940	0.82	26.86	IE4	**BF40-../S4E11MA6**	5.5	18.5	37	55	67	710	800	940	940	940	80	5600	-
35	5.5	55	940	0.82	26.86	IE5	**BF40-../S5E11LA6**	5.5	18.5	37	55	67	940	940	940	940	940	92	5600	-
35	5.5	275	188	2.6	5.38	IE4	**BF50-../S4E11MA6**	27.5	92	185	275	330	142	161	188	188	188	110	4500	-
35	5.5	275	188	2.6	5.38	IE5	**BF50-../S5E11LA6**	27.5	92	185	275	330	188	188	188	188	188	122	4500	-
35	5.5	194	265	2.1	7.71	IE4	**BF50-../S4E11MA6**	19	64	129	194	230	200	230	265	265	265	110	5100	-
35	5.5	194	265	2.1	7.71	IE5	**BF50-../S5E11LA6**	19	64	129	194	230	265	265	265	265	265	122	5100	-
35	5.5	140	370	1.8	10.68	IE4	**BF50-../S4E11MA6**	14	46.5	93	140	168	280	320	370	370	370	110	5600	-
35	5.5	140	370	1.8	10.68	IE5	**BF50-../S5E11LA6**	14	46.5	93	140	168	370	370	370	370	370	122	5600	-
35	5.5	102	510	1.5	14.65	IE4	**BF50-../S4E11MA6**	10	34	68	102	122	385	435	510	510	510	110	6100	-
35	5.5	102	510	1.5	14.65	IE5	**BF50-../S5E11LA6**	10	34	68	102	122	510	510	510	510	510	122	6100	-
35	5.5	89	580	1.6	16.7	IE5	**BF50-../S5E11LA6**	8.9	29.5	59	89	107	580	580	580	580	580	122	6200	-
35	5.5	89	580	1.6	16.7	IE4	**BF50-../S4E11MA6**	8.9	29.5	59	89	107	440	500	580	580	580	110	6200	-
35	5.5	80	650	1.5	18.68	IE4	**BF50-../S4E11MA6**	8	26.5	53	80	96	495	560	650	650	650	110	6400	-
35	5.5	80	650	1.5	18.68	IE5	**BF50-../S5E11LA6**	8	26.5	53	80	96	650	650	650	650	650	122	6400	-
35	5.5	64	800	1.4	23.14	IE4	**BF50-../S4E11MA6**	6.4	21.5	43	64	77	610	690	800	800	800	110	6800	-
35	5.5	64	800	1.4	23.14	IE5	**BF50-../S5E11LA6**	6.4	21.5	43	64	77	800	800	800	800	800	122	6800	-
35	5.5	57	900	1.3	25.88	IE4	**BF50-../S4E11MA6**	5.7	19	38.5	57	69	680	770	900	900	900	110	7100	-
35	5.5	57	900	1.3	25.88	IE5	**BF50-../S5E11LA6**	5.7	19	38.5	57	69	900	900	900	900	900	122	7100	-
35	5.5	47	1110	1.1	31.73	IE5	**BF50-../S5E11LA6**	4.7	15.5	31.5	47	56	1110	1110	1110	1110	1110	122	7500	-
35	5.5	47	1110	1.1	31.73	IE4	**BF50-../S4E11MA6**	4.7	15.5	31.5	47	56	840	950	1110	1110	1110	110	7500	-
35	5.5	42	1240	1	35.49	IE4	**BF50-../S4E11MA6**	4.2	14	28	42	50	940	1060	1240	1240	1240	110	7800	-
35	5.5	42	1240	1	35.49	IE5	**BF50-../S5E11LA6**	4.2	14	28	42	50	1240	1240	1240	1240	1240	122	7800	-
35	5.5	35.5	1470	0.88	42.15	IE4	**BF50-../S4E11MA6**	3.5	11.5	23.5	35.5	42.5	1110	1260	1470	1470	1470	110	8500	-
35	5.5	35.5	1470	0.88	42.15	IE5	**BF50-../S5E11LA6**	3.5	11.5	23.5	35.5	42.5	1470	1470	1470	1470	1470	122	8500	-
35	5.5	145	360	2.8	10.31	IE4	**BF60-../S4E11MA6**	14.5	48	96	145	174	270	305	360	360	360	141	6500	18400
35	5.5	145	360	2.8	10.31	IE5	**BF60-../S5E11LA6**	14.5	48	96	145	174	360	360	360	360	360	153	6500	18400
35	5.5	105	495	2.4	14.24	IE5	**BF60-../S5E11LA6**	10.5	35	70	105	126	495	495	495	495	495	153	7100	20000
35	5.5	105	495	2.4	14.24	IE4	**BF60-../S4E11MA6**	10.5	35	70	105	126	375	425	495	495	495	141	7100	20000
35	5.5	88	590	2.4	16.96	IE5	**BF60-../S5E11LA6**	8.8	29	58	88	106	590	590	590	590	590	153	7300	20600
35	5.5	88	590	2.4	16.96	IE4	**BF60-../S4E11MA6**	8.8	29	58	88	106	445	500	590	590	590	141	7300	20600
35	5.5	79	650	2.3	18.81	IE5	**BF60-../S5E11LA6**	7.9	26.5	53	79	95	650	650	650	650	650	153	7600	21500
35	5.5	79	650	2.3	18.81	IE4	**BF60-../S4E11MA6**	7.9	26.5	53	79	95	495	560	650	650	650	141	7600	21500
35	5.5	66	790	2.1	22.58	IE4	**BF60-../S4E11MA6**	6.6	22	44	66	79	590	670	790	790	790	141	8000	22600
35	5.5	66	790	2.1	22.58	IE5	**BF60-../S5E11LA6**	6.6	22	44	66	79	790	790	790	790	790	153	8000	22600
35	5.5	59	870	2	25.05	IE4	**BF60-../S4E11MA6**	5.9	19.5	39.5	59	71	660	750	870	870	870	141	8200	23200
35	5.5	59	870	2	25.05	IE5	**BF60-../S5E11LA6**	5.9	19.5	39.5	59	71	870	870	870	870	870	153	8200	23200
35	5.5	48	1090	1.7	31.2	IE4	**BF60-../S4E11MA6**	4.8	16	32	48	57	820	930	1090	1090	1090	141	8800	24900
35	5.5	48	1090	1.7	31.2	IE5	**BF60-../S5E11LA6**	4.8	16	32	48	57	1090	1090	1090	1090	1090	153	8800	24900
35	5.5	43	1210	1.6	34.62	IE4	**BF60-../S4E11MA6**	4.3	14	28.5	43	51	910	1030	1210	1210	1210	141	9100	25700

BF-series shaft-mounted geared motors

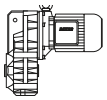
Selection - shaft-mounted geared motors - n_1 = 1500 $^1/_{min}$

MN = 35 Nm (PN = 5.5 kW)



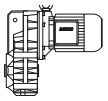
M_N	P_N	n_2	M_2	f_B	i	IE-Classe	Type	Speed range n_2 [1/min] at motor speed n_1 [1/min]					Torque range M_2 [Nm] at motor speed n_1 [1/min]					m	F_{RN}	F_{RV}
[Nm]	[kW]	[1/min]	[Nm]	[--]	[:1]			150	500	1000	1500	1800	150	500	1000	1500	1800	[kg]	[N]	[N]
35	5.5	43	1210	1.6	34.62	IE5	**BF60-../S5E11LA6**	4.3	14	28.5	43	51	1210	1210	1210	1210	1210	153	9100	25700
35	5.5	36	1450	1.4	41.6	IE5	**BF60-../S5E11LA6**	3.6	12	24	36	43	1450	1450	1450	1450	1450	153	9600	27100
35	5.5	36	1450	1.4	41.6	IE4	**BF60-../S4E11MA6**	3.6	12	24	36	43	1100	1240	1450	1450	1450	141	9600	27100
35	5.5	32	1610	1.4	46.16	IE4	**BF60-../S4E11MA6**	3.2	10.5	21.5	32	38.5	1220	1380	1610	1610	1610	141	9900	28000
35	5.5	32	1610	1.4	46.16	IE5	**BF60-../S5E11LA6**	3.2	10.5	21.5	32	38.5	1610	1610	1610	1610	1610	153	9900	28000
35	5.5	27.5	1900	1.2	54.44	IE4	**BF60-../S4E11MA6**	2.7	9.1	18	27.5	33	1440	1630	1900	1900	1900	141	10500	29700
35	5.5	27.5	1900	1.2	54.44	IE5	**BF60-../S5E11LA6**	2.7	9.1	18	27.5	33	1900	1900	1900	1900	1900	153	10500	29700
35	5.5	24.5	2100	1.1	60.4	IE5	**BF60-../S5E11LA6**	2.4	8.2	16.5	24.5	29.5	2100	2100	2100	2100	2100	153	11100	31400
35	5.5	24.5	2100	1.1	60.4	IE4	**BF60-../S4E11MA6**	2.4	8.2	16.5	24.5	29.5	1600	1810	2100	2100	2100	141	11100	31400
35	5.5	20.5	2500	0.91	72.15	IE4	**BF60-../S4E11MA6**	2	6.9	13.5	20.5	24.5	1910	2150	2500	2500	2500	141	12000	34000
35	5.5	20.5	2500	0.91	72.15	IE5	**BF60-../S5E11LA6**	2	6.9	13.5	20.5	24.5	2500	2500	2500	2500	2500	153	12000	34000
35	5.5	18.5	2800	0.82	80.05	IE4	**BF60-../S4E11MA6**	1.8	6.2	12	18.5	22	2100	2400	2800	2800	2800	141	12600	35600
35	5.5	18.5	2800	0.82	80.05	IE5	**BF60-../S5E11LA6**	1.8	6.2	12	18.5	22	2800	2800	2800	2800	2800	153	12600	35600
35	5.5	26.5	1950	2.7	55.79	IE5	**BF70-../S5E11LA6**	2.6	8.9	17.5	26.5	32	1950	1950	1950	1950	1950	232	10200	36000
35	5.5	26.5	1950	2.7	55.79	IE4	**BF70-../S4E11MA6**	2.6	8.9	17.5	26.5	32	1470	1670	1950	1950	1950	220	10200	36000
35	5.5	24	2150	2.4	61.94	IE5	**BF70-../S5E11LA6**	2.4	8	16	24	29	2150	2150	2150	2150	2150	232	10800	37400
35	5.5	24	2150	2.4	61.94	IE4	**BF70-../S4E11MA6**	2.4	8	16	24	29	1640	1850	2150	2150	2150	220	10800	37400
35	5.5	20.5	2500	2.1	72.26	IE5	**BF70-../S5E11LA6**	2	6.9	13.5	20.5	24.5	2500	2500	2500	2500	2500	232	12000	39600
35	5.5	20.5	2500	2.1	72.26	IE4	**BF70-../S4E11MA6**	2	6.9	13.5	20.5	24.5	1910	2150	2500	2500	2500	220	12000	39600
35	5.5	18	2850	1.8	81.82	IE5	**BF70-../S5E11LA6**	1.8	6.1	12	18	21.5	2850	2850	2850	2850	2850	232	12800	41300
35	5.5	18	2850	1.8	81.82	IE4	**BF70-../S4E11MA6**	1.8	6.1	12	18	21.5	2150	2450	2850	2850	2850	220	12800	41300
35	5.5	15.5	3300	1.6	95.46	IE4	**BF70-../S4E11MA6**	1.5	5.2	10	15.5	18.5	2500	2850	3300	3300	3300	220	14000	43700
35	5.5	15.5	3300	1.6	95.46	IE5	**BF70-../S5E11LA6**	1.5	5.2	10	15.5	18.5	3300	3300	3300	3300	3300	232	14000	43700
35	5.5	14	3650	1.4	105.2	IE4	**BF70-../S4E11MA6**	1.4	4.7	9.5	14	17	2750	3150	3650	3650	3650	220	14700	45100
35	5.5	14	3650	1.4	105.2	IE5	**BF70-../S5E11LA6**	1.4	4.7	9.5	14	17	3650	3650	3650	3650	3650	232	14700	45100
35	5.5	12	4250	1.2	122.7	IE5	**BF70-../S5E11LA6**	1.2	4	8.1	12	14.5	4250	4250	4250	4250	4250	232	16100	47700
35	5.5	12	4250	1.2	122.7	IE4	**BF70-../S4E11MA6**	1.2	4	8.1	12	14.5	3250	3650	4250	4250	4250	220	16100	47700
35	5.5	11	4650	1.1	133	IE4	**BF70Z-../S4E11MA6**	1.1	3.7	7.5	11	13.5	3500	3950	4650	4650	4650	247	16100	47700
35	5.5	11	4650	1.1	133	IE5	**BF70Z-../S5E11LA6**	1.1	3.7	7.5	11	13.5	4650	4650	4650	4650	4650	258	16100	47700
35	5.5	9.7	5300	0.96	154	IE4	**BF70Z-../S4E11MA6**	0.95	3.2	6.4	9.7	11.5	4050	4600	5300	5300	5300	247	16100	47700
35	5.5	9.7	5300	0.96	154	IE5	**BF70Z-../S5E11LA6**	0.95	3.2	6.4	9.7	11.5	5300	5300	5300	5300	5300	258	16100	47700
35	5.5	8.3	6200	0.83	179.7	IE4	**BF70Z-../S4E11MA6**	0.8	2.7	5.5	8.3	10	4750	5300	6200	6200	6200	247	16100	47700
35	5.5	8.3	6200	0.83	179.7	IE5	**BF70Z-../S5E11LA6**	0.8	2.7	5.5	8.3	10	6200	6200	6200	6200	6200	258	16100	47700
35	5.5	15.5	3300	2.9	94.38	IE5	**BF80-../S5E11LA6**	1.5	5.2	10.5	15.5	19	3300	3300	3300	3300	3300	328	20300	68500
35	5.5	15.5	3300	2.9	94.38	IE4	**BF80-../S4E11MA6**	1.5	5.2	10.5	15.5	19	2500	2800	3300	3300	3300	316	20300	68500
35	5.5	13.5	3750	2.5	107.9	IE4	**BF80-../S4E11MA6**	1.3	4.6	9.2	13.5	16.5	2850	3200	3750	3750	3750	316	22400	72300
35	5.5	13.5	3750	2.5	107.9	IE5	**BF80-../S5E11LA6**	1.3	4.6	9.2	13.5	16.5	3750	3750	3750	3750	3750	328	22400	72300
35	5.5	12	4250	2.2	122.4	IE4	**BF80-../S4E11MA6**	1.2	4	8.1	12	14.5	3200	3650	4250	4250	4250	316	24500	75000
35	5.5	12	4250	2.2	122.4	IE5	**BF80-../S5E11LA6**	1.2	4	8.1	12	14.5	4250	4250	4250	4250	4250	328	24500	75000
35	5.5	10.5	4850	1.9	139.7	IE4	**BF80-../S4E11MA6**	1	3.5	7.1	10.5	12.5	3700	4150	4850	4850	4850	316	26700	75000
35	5.5	10.5	4850	1.9	139.7	IE5	**BF80-../S5E11LA6**	1	3.5	7.1	10.5	12.5	4850	4850	4850	4850	4850	328	26700	75000
35	5.5	9.4	5500	1.7	158.5	IE4	**BF80-../S4E11MA6**	0.9	3.1	6.3	9.4	11	4200	4750	5500	5500	5500	316	29000	75000
35	5.5	9.4	5500	1.7	158.5	IE5	**BF80-../S5E11LA6**	0.9	3.1	6.3	9.4	11	5500	5500	5500	5500	5500	328	29000	75000
35	5.5	8.1	6400	1.5	184.5	IE4	**BF80-../S4E11MA6**	0.8	2.7	5.4	8.1	9.7	4850	5500	6400	6400	6400	316	31800	75000
35	5.5	8.1	6400	1.5	184.5	IE5	**BF80-../S5E11LA6**	0.8	2.7	5.4	8.1	9.7	6400	6400	6400	6400	6400	328	31800	75000
35	5.5	7.1	7300	1.3	209.4	IE4	**BF80-../S4E11MA6**	0.7	2.3	4.7	7.1	8.5	5500	6200	7300	7300	7300	316	34300	75000
35	5.5	7.1	7300	1.3	209.4	IE5	**BF80-../S5E11LA6**	0.7	2.3	4.7	7.1	8.5	7300	7300	7300	7300	7300	328	34300	75000
35	5.5	6.3	8200	1.1	237.1	IE5	**BF80-../S5E11LA6**	0.6	2.1	4.2	6.3	7.5	8200	8200	8200	8200	8200	328	36900	75000
35	5.5	6.3	8200	1.1	237.1	IE4	**BF80-../S4E11MA6**	0.6	2.1	4.2	6.3	7.5	6200	7100	8200	8200	8200	316	36900	75000
35	5.5	5.5	9400	1	269.1	IE4	**BF80-../S4E11MA6**	0.55	1.8	3.7	5.5	6.6	7100	8000	9400	9400	9400	316	39600	75000
35	5.5	5.5	9400	1	269.1	IE5	**BF80-../S5E11LA6**	0.55	1.8	3.7	5.5	6.6	9400	9400	9400	9400	9400	328	39600	75000
35	5.5	5.1	10200	1	291.7	IE5	**BF80Z-../S5E11LA6**	0.5	1.7	3.4	5.1	6.1	10200	10200	10200	10200	10200	375	39600	75000
35	5.5	5.1	10200	1	291.7	IE4	**BF80Z-../S4E11MA6**	0.5	1.7	3.4	5.1	6.1	7700	8700	10200	10200	10200	363	39600	75000
35	5.5	4.3	12100	0.86	347.3	IE4	**BF80Z-../S4E11MA6**	0.43	1.4	2.8	4.3	5.1	9200	10400	12100	12100	12100	363	39600	75000
35	5.5	4.3	12100	0.86	347.3	IE5	**BF80Z-../S5E11LA6**	0.43	1.4	2.8	4.3	5.1	12100	12100	12100	12100	12100	375	39600	75000
35	5.5	8.3	6200	2.7	178.6	IE4	**BF90-../S4E11MA6**	0.8	2.7	5.5	8.3	10	4700	5300	6200	6200	6200	569	33400	106700
35	5.5	8.3	6200	2.7	178.6	IE5	**BF90-../S5E11LA6**	0.8	2.7	5.5	8.3	10	6200	6200	6200	6200	6200	581	33400	106700
35	5.5	7.5	6900	2.4	198.8	IE5	**BF90-../S5E11LA6**	0.75	2.5	5	7.5	9	6900	6900	6900	6900	6900	581	36000	111300
35	5.5	7.5	6900	2.4	198.8	IE4	**BF90-../S4E11MA6**	0.75	2.5	5	7.5	9	5200	5900	6900	6900	6900	569	36000	111300
35	5.5	6.4	8100	2.1	232.6	IE4	**BF90-../S4E11MA6**	0.6	2.1	4.2	6.4	7.7	6100	6900	8100	8100	8100	569	39900	118300
35	5.5	6.4	8100	2.1	232.6	IE5	**BF90-../S5E11LA6**	0.6	2.1	4.2	6.4	7.7	8100	8100	8100	8100	8100	581	39900	118300
35	5.5	5.7	9000	1.9	259	IE5	**BF90-../S5E11LA6**	0.55	1.9	3.8	5.7	6.9	9000	9000	9000	9000	9000	581	42800	120000
35	5.5	5.7	9000	1.9	259	IE4	**BF90-../S4E11MA6**	0.55	1.9	3.8	5.7	6.9	6800	7700	9000	9000	9000	569	42800	120000
35	5.5	5.5	9400	2	269.8	IE4	**BF90Z-../S4E11MA6**	0.55	1.8	3.7	5.5	6.6	7100	8000	9400	9400	9400	629	42800	120000
35	5.5	5.5	9400	2	269.8	IE5	**BF90Z-../S5E11LA6**	0.55	1.8	3.7	5.5	6.6	9400	9400	9400	9400	9400	641	42800	120000
35	5.5	4.9	10500	1.8	300.4	IE5	**BF90Z-../S5E11LA6**	0.49	1.6	3.3	4.9	5.9	10500	10500	10500	10500	10500	641	42800	120000
35	5.5	4.9	10500	1.8	300.4	IE4	**BF90Z-../S4E11MA6**	0.49	1.6	3.3	4.9	5.9	7900	9000	10500	10500	10500	629	42800	120000
35	5.5	4.3	12000	1.5	343.6	IE5	**BF90Z-../S5E11LA6**	0.43	1.4	2.9	4.3	5.2	12000	12000	12000	12000	12000	641	42800	120000
35	5.5	4.3	12000	1.5	343.6	IE4	**BF90Z-../S4E11MA6**	0.43	1.4	2.9	4.3	5.2	9100	10300	12000	12000	12000	629	42800	120000
35	5.5	3.9	13300	1.4	382.6	IE5	**BF90Z-../S5E11LA6**	0.39	1.3	2.6	3.9	4.7	13300	13300	13300	13300	13300	641	42800	120000
35	5.5	3.9	13300	1.4	382.6	IE4	**BF90Z-../S4E11MA6**	0.39	1.3	2.6	3.9	4.7	10100	11400	13300	13300	13300	629	42800	120000
35	5.5	3.2	15900	1.2	456.7	IE5	**BF90Z-../S5E11LA6**	0.32	1	2.1	3.2	3.9	15900	15900	15900	15900	15900	641	42800	120000
35	5.5	3.2	15900	1.2	456.7	IE4	**BF90Z-../S4E11MA6**	0.32	1	2.1	3.2	3.9	12100	13700	15900	15900	15900	629	42800	120000
35	5.5	2.9	17700	1	508.5	IE5	**BF90Z-../S5E11LA6**	0.29	0.95	1.9	2.9	3.5	17700	17700	17700	17700	17700	641	42800	120000
35	5.5	2.9	17700	1	508.5	IE4	**BF90Z-../S4E11MA6**	0.29	0.95	1.9	2.9	3.5	13400	15200	17700	17700	17700	629	42800	120000
35	5.5	2.5	20500	0.89	591.1	IE5	**BF90Z-../S5E11LA6**	0.25	0.8	1.6	2.5	3	20500	20500	20500	20500	20500	641	42800	120000
35	5.5	2.5	20500	0.89	591.1	IE4	**BF90Z-../S4E11MA6**	0.25	0.8	1.6	2.5	3	15600	17700	20500	20500	20500	629	42800	120000
35	5.5	2.2	23000	0.8	658.1	IE4	**BF90Z-../S4E11MA6**	0.22	0.75	1.5	2.2	2.7	17400	19700	23000	23000	23000	629	42800	120000
35	5.5	2.2	23000	0.8	658.1	IE5	**BF90Z-../S5E11LA6**	0.22	0.75	1.5	2.2	2.7	23000	23000	23000	23000	23000	641	42800	120000

MN = 48 Nm (PN = 7.5 kW)



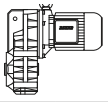
M_N	P_N	n_2	M_2	f_B	i	IE-Classe	Type	Speed range n_2 [1/min] at motor speed n_1 [1/min]					Torque range M_2 [Nm] at motor speed n_1 [1/min]					m	F_{RN}	F_{RV}
[Nm]	[kW]	[1/min]	[Nm]	[--]	[:1]			150	500	1000	1500	1800	150	500	1000	1500	1800	[kg]	[N]	[N]
48	7.5	235	300	0.86	6.34	IE3	**BF30-../SPE11LA6**	23.5	78	157	235	280	220	250	300	300	300	78	2400	-
48	7.5	255	280	1.2	5.87	IE3	**BF40-../SPE11LA6**	25.5	85	170	255	305	205	230	280	280	280	92	3550	-
48	7.5	196	365	1	7.62	IE3	**BF40-../SPE11LA6**	19.5	65	131	196	235	265	300	365	365	365	92	3900	-
48	7.5	158	455	0.91	9.48	IE3	**BF40-../SPE11LA6**	15.5	52	105	158	189	330	375	455	455	455	92	4150	-
48	7.5	127	560	0.82	11.79	IE3	**BF40-../SPE11LA6**	12.5	42	84	127	152	410	470	560	560	560	92	4450	-
48	7.5	275	255	1.9	5.38	IE3	**BF50-../SPE11LA6**	27.5	92	185	275	330	188	215	255	255	255	122	4500	-
48	7.5	194	370	1.5	7.71	IE3	**BF50-../SPE11LA6**	19	64	129	194	230	265	305	370	370	370	122	5100	-
48	7.5	140	510	1.3	10.68	IE3	**BF50-../SPE11LA6**	14	46.5	93	140	168	370	425	510	510	510	122	5600	-
48	7.5	102	700	1.1	14.65	IE3	**BF50-../SPE11LA6**	10	34	68	102	122	510	580	700	700	700	122	6100	-
48	7.5	89	800	1.2	16.7	IE3	**BF50-../SPE11LA6**	8.9	29.5	59	89	107	580	660	800	800	800	122	6200	-
48	7.5	80	890	1.1	18.68	IE3	**BF50-../SPE11LA6**	8	26.5	53	80	96	650	740	890	890	890	122	6400	-
48	7.5	64	1110	0.99	23.14	IE3	**BF50-../SPE11LA6**	6.4	21.5	43	64	77	800	920	1110	1110	1110	122	6800	-
48	7.5	57	1240	0.93	25.88	IE3	**BF50-../SPE11LA6**	5.7	19	38.5	57	69	900	1030	1240	1240	1240	122	7100	-
48	7.5	47	1520	0.83	31.73	IE3	**BF50-../SPE11LA6**	4.7	15.5	31.5	47	56	1110	1260	1520	1520	1520	122	7500	-
48	7.5	285	250	3	5.22	IE3	**BF60-../SPE11LA6**	28.5	95	191	285	340	182	205	250	250	250	153	5200	14800
48	7.5	193	370	2.3	7.74	IE3	**BF60-../SPE11LA6**	19	64	129	193	230	270	305	370	370	370	153	6000	16900
48	7.5	145	490	2	10.31	IE3	**BF60-../SPE11LA6**	14.5	48	96	145	174	360	410	490	490	490	153	6500	18400
48	7.5	105	680	1.7	14.24	IE3	**BF60-../SPE11LA6**	10.5	35	70	105	126	495	560	680	680	680	153	7100	20000
48	7.5	88	810	1.8	16.96	IE3	**BF60-../SPE11LA6**	8.8	29	58	88	106	590	670	810	810	810	153	7300	20600
48	7.5	79	900	1.7	18.81	IE3	**BF60-../SPE11LA6**	7.9	26.5	53	79	95	650	750	900	900	900	153	7600	21500
48	7.5	66	1080	1.5	22.58	IE3	**BF60-../SPE11LA6**	6.6	22	44	66	79	790	900	1080	1080	1080	153	8000	22600
48	7.5	59	1200	1.4	25.05	IE3	**BF60-../SPE11LA6**	5.9	19.5	39.5	59	71	870	1000	1200	1200	1200	153	8200	23200
48	7.5	48	1490	1.3	31.2	IE3	**BF60-../SPE11LA6**	4.8	16	32	48	57	1090	1240	1490	1490	1490	153	8800	24900
48	7.5	43	1660	1.2	34.62	IE3	**BF60-../SPE11LA6**	4.3	14	28.5	43	51	1210	1380	1660	1660	1660	153	9100	25700
48	7.5	36	1990	1.1	41.6	IE3	**BF60-../SPE11LA6**	3.6	12	24	36	43	1450	1660	1990	1990	1990	153	9600	27100
48	7.5	32	2200	0.99	46.16	IE3	**BF60-../SPE11LA6**	3.2	10.5	21.5	32	38.5	1610	1840	2200	2200	2200	153	9900	28000
48	7.5	27.5	2600	0.88	54.44	IE3	**BF60-../SPE11LA6**	2.7	9.1	18	27.5	33	1900	2150	2600	2600	2600	153	10500	29700
48	7.5	40.5	1770	2.9	36.88	IE3	**BF70-../SPE11LA6**	4	13.5	27	40.5	48.5	1290	1470	1770	1770	1770	232	7900	31100
48	7.5	34.5	2050	2.5	43.02	IE3	**BF70-../SPE11LA6**	3.4	11.5	23	34.5	41.5	1500	1720	2050	2050	2050	232	8700	32800
48	7.5	31	2250	2.3	47.82	IE3	**BF70-../SPE11LA6**	3.1	10	20.5	31	37.5	1670	1910	2250	2250	2250	232	9100	34000
48	7.5	26.5	2650	1.9	55.79	IE3	**BF70-../SPE11LA6**	2.6	8.9	17.5	26.5	32	1950	2200	2650	2650	2650	232	10200	36000
48	7.5	24	2950	1.7	61.94	IE3	**BF70-../SPE11LA6**	2.4	8	16	24	29	2150	2450	2950	2950	2950	232	10800	37400
48	7.5	20.5	3450	1.5	72.26	IE3	**BF70-../SPE11LA6**	2	6.9	13.5	20.5	24.5	2500	2850	3450	3450	3450	232	12000	39600
48	7.5	18	3900	1.3	81.82	IE3	**BF70-../SPE11LA6**	1.8	6.1	12	18	21.5	2850	3250	3900	3900	3900	232	12800	41300
48	7.5	15.5	4550	1.1	95.46	IE3	**BF70-../SPE11LA6**	1.5	5.2	10	15.5	18.5	3300	3800	4550	4550	4550	232	14000	43700
48	7.5	14	5000	1	105.2	IE3	**BF70-../SPE11LA6**	1.4	4.7	9.5	14	17	3650	4200	5000	5000	5000	232	14700	45100
48	7.5	12	5800	0.88	122.7	IE3	**BF70-../SPE11LA6**	1.2	4	8.1	12	14.5	4250	4900	5800	5800	5800	232	16100	47700
48	7.5	11	6300	0.81	133	IE3	**BF70Z-../SPE11LA6**	1.1	3.7	7.5	11	13.5	4650	5300	6300	6300	6300	258	16100	47700
48	7.5	21	3350	2.8	69.86	IE3	**BF80-../SPE11LA6**	2.1	7.1	14	21	25.5	2400	2750	3350	3350	3350	328	15900	60600
48	7.5	18	3950	2.4	83.16	IE3	**BF80-../SPE11LA6**	1.8	6	12	18	21.5	2900	3300	3950	3950	3950	328	18400	65100
48	7.5	15.5	4500	2.1	94.38	IE3	**BF80-../SPE11LA6**	1.5	5.2	10.5	15.5	19	3300	3750	4500	4500	4500	328	20300	68500
48	7.5	13.5	5100	1.8	107.9	IE3	**BF80-../SPE11LA6**	1.3	4.6	9.2	13.5	16.5	3750	4300	5100	5100	5100	328	22400	72300
48	7.5	12	5800	1.6	122.4	IE3	**BF80-../SPE11LA6**	1.2	4	8.1	12	14.5	4250	4850	5800	5800	5800	328	24500	75000
48	7.5	10.5	6700	1.4	139.7	IE3	**BF80-../SPE11LA6**	1	3.5	7.1	10.5	12.5	4850	5500	6700	6700	6700	328	26700	75000
48	7.5	9.4	7600	1.2	158.5	IE3	**BF80-../SPE11LA6**	0.9	3.1	6.3	9.4	11	5500	6300	7600	7600	7600	328	29000	75000
48	7.5	8.1	8800	1.1	184.5	IE3	**BF80-../SPE11LA6**	0.8	2.7	5.4	8.1	9.7	6400	7300	8800	8800	8800	328	31800	75000
48	7.5	7.1	10000	0.95	209.4	IE3	**BF80-../SPE11LA6**	0.7	2.3	4.7	7.1	8.5	7300	8300	10000	10000	10000	328	34300	75000
48	7.5	6.3	11300	0.83	237.1	IE3	**BF80-../SPE11LA6**	0.6	2.1	4.2	6.3	7.5	8200	9400	11300	11300	11300	328	36900	75000
48	7.5	12.5	5700	2.9	119.7	IE3	**BF90-../SPE11LA6**	1.2	4.1	8.3	12.5	15	4150	4750	5700	5700	5700	581	24500	90800
48	7.5	10.5	6600	2.5	139.1	IE3	**BF90-../SPE11LA6**	1	3.5	7.1	10.5	12.5	4850	5500	6600	6600	6600	581	27700	96300
48	7.5	9.6	7400	2.3	154.8	IE3	**BF90-../SPE11LA6**	0.95	3.2	6.4	9.6	11.5	5400	6100	7400	7400	7400	581	30100	100800
48	7.5	8.3	8500	2	178.6	IE3	**BF90-../SPE11LA6**	0.8	2.7	5.5	8.3	10	6200	7100	8500	8500	8500	581	33400	106700
48	7.5	7.5	9500	1.8	198.8	IE3	**BF90-../SPE11LA6**	0.75	2.5	5	7.5	9	6900	7900	9500	9500	9500	581	36000	111300
48	7.5	6.4	11100	1.5	232.6	IE3	**BF90-../SPE11LA6**	0.6	2.1	4.2	6.4	7.7	8100	9300	11100	11100	11100	581	39900	118300
48	7.5	5.7	12400	1.4	259	IE3	**BF90-../SPE11LA6**	0.55	1.9	3.8	5.7	6.9	9000	10300	12400	12400	12400	581	42800	120000
48	7.5	5.5	12900	1.4	269.8	IE3	**BF90Z-../SPE11LA6**	0.55	1.8	3.7	5.5	6.6	9400	10700	12900	12900	12900	641	42800	120000
48	7.5	4.9	14400	1.3	300.4	IE3	**BF90Z-../SPE11LA6**	0.49	1.6	3.3	4.9	5.9	10500	12000	14400	14400	14400	641	42800	120000
48	7.5	4.3	16400	1.1	343.6	IE3	**BF90Z-../SPE11LA6**	0.43	1.4	2.9	4.3	5.2	12000	13700	16400	16400	16400	641	42800	120000
48	7.5	3.9	18300	1	382.6	IE3	**BF90Z-../SPE11LA6**	0.39	1.3	2.6	3.9	4.7	13300	15300	18300	18300	18300	641	42800	120000
48	7.5	3.2	21500	0.84	456.7	IE3	**BF90Z-../SPE11LA6**	0.32	1	2.1	3.2	3.9	15900	18200	21500	21500	21500	641	42800	120000

MN = 0.65 Nm (PN = 0.2 kW)



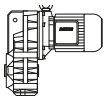
M_N	P_N	n_2	M_2	f_B	i	IE-Classe	Type	Speed range n_2 [1/min] at motor speed n_1 [1/min]					Torque range M_2 [Nm] at motor speed n_1 [1/min]					m	F_{RN}	F_{RV}
[Nm]	[kW]	[1/min]	[Nm]	[--]	[:1]			150	500	1000	3000	3600	150	500	1000	3000	3600	[kg]	[N]	[N]
0.65	0.2	19.5	98	2.4	151.2	IE5	**BF10Z-../S5E04SA4-1**	0.95	3.3	6.6	19.5	23.5	98	98	98	98	98	21	6400	-
0.65	0.2	18	108	2.2	166.2	IE5	**BF10Z-../S5E04SA4-1**	0.9	3	6	18	21.5	108	108	108	108	108	21	6400	-
0.65	0.2	16.5	117	2.1	180.1	IE5	**BF10Z-../S5E04SA4-1**	0.8	2.7	5.5	16.5	19.5	117	117	117	117	117	21	6400	-
0.65	0.2	15	128	1.9	198	IE5	**BF10Z-../S5E04SA4-1**	0.75	2.5	5	15	18	128	128	128	128	128	21	6400	-
0.65	0.2	13.5	139	1.7	214.5	IE5	**BF10Z-../S5E04SA4-1**	0.65	2.3	4.6	13.5	16.5	139	139	139	139	139	21	6400	-
0.65	0.2	12.5	153	1.6	235.8	IE5	**BF10Z-../S5E04SA4-1**	0.6	2.1	4.2	12.5	15	153	153	153	153	153	21	6400	-
0.65	0.2	11.5	167	1.4	257.4	IE5	**BF10Z-../S5E04SA4-1**	0.55	1.9	3.8	11.5	13.5	167	167	167	167	167	21	6400	-
0.65	0.2	10.5	184	1.3	283.1	IE5	**BF10Z-../S5E04SA4-1**	0.5	1.7	3.5	10.5	12.5	184	184	184	184	184	21	6400	-
0.65	0.2	9.2	210	1.1	324.3	IE5	**BF10Z-../S5E04SA4-1**	0.46	1.5	3	9.2	11	210	210	210	210	210	21	6400	-
0.65	0.2	8.4	230	1	356.6	IE5	**BF10Z-../S5E04SA4-1**	0.42	1.4	2.8	8.4	10	230	230	230	230	230	21	6400	-
0.65	0.2	7.8	245	0.97	380.2	IE5	**BF10Z-../S5E04SA4-1**	0.39	1.3	2.6	7.8	9.4	245	245	245	245	245	21	6400	-
0.65	0.2	7.1	270	0.88	418	IE5	**BF10Z-../S5E04SA4-1**	0.35	1.1	2.3	7.1	8.6	270	270	270	270	270	21	6400	-
0.65	0.2	9.3	205	1.2	322.3	IE5	**BF10G06-../S5E04SA4-1**	0.46	1.5	3.1	9.3	11	205	205	205	205	205	25	6400	-
0.65	0.2	7.9	245	1.1	377.9	IE5	**BF10G06-../S5E04SA4-1**	0.39	1.3	2.6	7.9	9.5	245	245	245	245	245	25	6400	-
0.65	0.2	7	275	0.94	424.5	IE5	**BF10G06-../S5E04SA4-1**	0.35	1.1	2.3	7	8.4	275	275	275	275	275	25	6400	-
0.65	0.2	13.5	140	3	216.9	IE5	**BF20Z-../S5E04SA4-1**	0.65	2.3	4.6	13.5	16.5	140	140	140	140	140	28	7900	-
0.65	0.2	12.5	153	2.7	235.9	IE5	**BF20Z-../S5E04SA4-1**	0.6	2.1	4.2	12.5	15	153	153	153	153	153	28	7900	-
0.65	0.2	11.5	168	2.5	259.6	IE5	**BF20Z-../S5E04SA4-1**	0.55	1.9	3.8	11.5	13.5	168	168	168	168	168	28	7900	-
0.65	0.2	10	192	2.2	295.5	IE5	**BF20Z-../S5E04SA4-1**	0.5	1.6	3.3	10	12	192	192	192	192	192	28	7900	-
0.65	0.2	9.2	210	2	325.2	IE5	**BF20Z-../S5E04SA4-1**	0.46	1.5	3	9.2	11	210	210	210	210	210	28	7900	-
0.65	0.2	8.8	220	1.9	339.1	IE5	**BF20Z-../S5E04SA4-1**	0.44	1.4	2.9	8.8	10.5	220	220	220	220	220	28	7900	-
0.65	0.2	8	240	1.7	373.1	IE5	**BF20Z-../S5E04SA4-1**	0.4	1.3	2.6	8	9.6	240	240	240	240	240	28	7900	-
0.65	0.2	7.1	270	1.5	418.1	IE5	**BF20Z-../S5E04SA4-1**	0.35	1.1	2.3	7.1	8.6	270	270	270	270	270	28	7900	-
0.65	0.2	6.5	295	1.4	460	IE5	**BF20Z-../S5E04SA4-1**	0.32	1	2.1	6.5	7.8	295	295	295	295	295	28	7900	-
0.65	0.2	5.8	330	1.4	513.7	IE5	**BF20G06-../S5E04SA4-1**	0.29	0.95	1.9	5.8	7	330	330	330	330	330	31	7900	-
0.65	0.2	4.8	400	1.1	617	IE5	**BF20G06-../S5E04SA4-1**	0.24	0.8	1.6	4.8	5.8	400	400	400	400	400	31	7900	-
0.65	0.2	4	475	0.96	736.1	IE5	**BF20G06-../S5E04SA4-1**	0.2	0.65	1.3	4	4.8	475	475	475	475	475	31	7900	-
0.65	0.2	3.7	520	0.87	810	IE5	**BF20G06-../S5E04SA4-1**	0.18	0.6	1.2	3.7	4.4	520	520	520	520	520	31	7900	-
0.65	0.2	4.8	400	1.6	622.4	IE5	**BF30G06-../S5E04SA4-1**	0.24	0.8	1.6	4.8	5.7	400	400	400	400	400	41	7400	-
0.65	0.2	4.2	455	1.4	705.1	IE5	**BF30G06-../S5E04SA4-1**	0.21	0.7	1.4	4.2	5.1	455	455	455	455	455	41	7400	-
0.65	0.2	3.6	530	1.2	817.1	IE5	**BF30G06-../S5E04SA4-1**	0.18	0.6	1.2	3.6	4.4	530	530	530	530	530	41	7400	-
0.65	0.2	3.1	620	1	961.1	IE5	**BF30G06-../S5E04SA4-1**	0.15	0.5	1	3.1	3.7	620	620	620	620	620	41	7400	-
0.65	0.2	2.6	740	0.84	1150	IE5	**BF30G06-../S5E04SA4-1**	0.13	0.43	0.85	2.6	3.1	740	740	740	740	740	41	7400	-

MN = 0.8 Nm (PN = 0.25 kW)



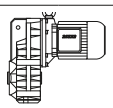
M_N	P_N	n_2	M_2	f_B	i	IE-Classe	Type	Speed range n_2 [1/min] at motor speed n_1 [1/min]					Torque range M_2 [Nm] at motor speed n_1 [1/min]					m	F_{RN}	F_{RV}
[Nm]	[kW]	[1/min]	[Nm]	[--]	[:1]			150	500	1000	3000	3600	150	500	1000	3000	3600	[kg]	[N]	[N]
0.8	0.25	19.5	120	2	151.2	IE5	**BF10Z-../S5E04SA4-1**	0.95	3.3	6.6	19.5	23.5	114	120	120	120	120	21	6400	-
0.8	0.25	18	132	1.8	166.2	IE5	**BF10Z-../S5E04SA4-1**	0.9	3	6	18	21.5	126	132	132	132	132	21	6400	-
0.8	0.25	16.5	144	1.7	180.1	IE5	**BF10Z-../S5E04SA4-1**	0.8	2.7	5.5	16.5	19.5	136	144	144	144	144	21	6400	-
0.8	0.25	15	158	1.5	198	IE5	**BF10Z-../S5E04SA4-1**	0.75	2.5	5	15	18	150	158	158	158	158	21	6400	-
0.8	0.25	13.5	171	1.4	214.5	IE5	**BF10Z-../S5E04SA4-1**	0.65	2.3	4.6	13.5	16.5	163	171	171	171	171	21	6400	-
0.8	0.25	12.5	188	1.3	235.8	IE5	**BF10Z-../S5E04SA4-1**	0.6	2.1	4.2	12.5	15	179	188	188	188	188	21	6400	-
0.8	0.25	11.5	205	1.2	257.4	IE5	**BF10Z-../S5E04SA4-1**	0.55	1.9	3.8	11.5	13.5	195	205	205	205	205	21	6400	-
0.8	0.25	10.5	225	1.1	283.1	IE5	**BF10Z-../S5E04SA4-1**	0.5	1.7	3.5	10.5	12.5	215	225	225	225	225	21	6400	-
0.8	0.25	9.2	255	0.93	324.3	IE5	**BF10Z-../S5E04SA4-1**	0.46	1.5	3	9.2	11	245	255	255	255	255	21	6400	-
0.8	0.25	8.4	285	0.84	356.6	IE5	**BF10Z-../S5E04SA4-1**	0.42	1.4	2.8	8.4	10	270	285	285	285	285	21	6400	-
0.8	0.25	9.3	255	1	322.3	IE5	**BF10G06-../S5E04SA4-1**	0.46	1.5	3.1	9.3	11	240	255	255	255	255	25	6400	-
0.8	0.25	7.9	300	0.86	377.9	IE5	**BF10G06-../S5E04SA4-1**	0.39	1.3	2.6	7.9	9.5	285	300	300	300	300	25	6400	-
0.8	0.25	16.5	144	2.9	180.8	IE5	**BF20Z-../S5E04SA4-1**	0.8	2.7	5.5	16.5	19.5	137	144	144	144	144	28	7900	-
0.8	0.25	15	157	2.7	197.1	IE5	**BF20Z-../S5E04SA4-1**	0.75	2.5	5	15	18	149	157	157	157	157	28	7900	-
0.8	0.25	13.5	173	2.4	216.9	IE5	**BF20Z-../S5E04SA4-1**	0.65	2.3	4.6	13.5	16.5	164	173	173	173	173	28	7900	-
0.8	0.25	12.5	188	2.2	235.9	IE5	**BF20Z-../S5E04SA4-1**	0.6	2.1	4.2	12.5	15	179	188	188	188	188	28	7900	-
0.8	0.25	11.5	205	2	259.6	IE5	**BF20Z-../S5E04SA4-1**	0.55	1.9	3.8	11.5	13.5	197	205	205	205	205	28	7900	-
0.8	0.25	10	235	1.8	295.5	IE5	**BF20Z-../S5E04SA4-1**	0.5	1.6	3.3	10	12	220	235	235	235	235	28	7900	-
0.8	0.25	9.2	260	1.6	325.2	IE5	**BF20Z-../S5E04SA4-1**	0.46	1.5	3	9.2	11	245	260	260	260	260	28	7900	-
0.8	0.25	8.8	270	1.5	339.1	IE5	**BF20Z-../S5E04SA4-1**	0.44	1.4	2.9	8.8	10.5	255	270	270	270	270	28	7900	-
0.8	0.25	8	295	1.4	373.1	IE5	**BF20Z-../S5E04SA4-1**	0.4	1.3	2.6	8	9.6	280	295	295	295	295	28	7900	-
0.8	0.25	7.1	330	1.3	418.1	IE5	**BF20Z-../S5E04SA4-1**	0.35	1.1	2.3	7.1	8.6	315	330	330	330	330	28	7900	-
0.8	0.25	6.5	365	1.1	460	IE5	**BF20Z-../S5E04SA4-1**	0.32	1	2.1	6.5	7.8	345	365	365	365	365	28	7900	-
0.8	0.25	5.8	410	1.1	513.7	IE5	**BF20G06-../S5E04SA4-1**	0.29	0.95	1.9	5.8	7	390	410	410	410	410	31	7900	-
0.8	0.25	4.8	490	0.93	617	IE5	**BF20G06-../S5E04SA4-1**	0.24	0.8	1.6	4.8	5.8	465	490	490	490	490	31	7900	-
0.8	0.25	4.8	495	1.3	622.4	IE5	**BF30G06-../S5E04SA4-1**	0.24	0.8	1.6	4.8	5.7	470	495	495	495	495	41	7400	-
0.8	0.25	4.2	560	1.1	705.1	IE5	**BF30G06-../S5E04SA4-1**	0.21	0.7	1.4	4.2	5.1	530	560	560	560	560	41	7400	-
0.8	0.25	3.6	650	0.96	817.1	IE5	**BF30G06-../S5E04SA4-1**	0.18	0.6	1.2	3.6	4.4	620	650	650	650	650	41	7400	-
0.8	0.25	3.1	760	0.82	961.1	IE5	**BF30G06-../S5E04SA4-1**	0.15	0.5	1	3.1	3.7	730	760	760	760	760	41	7400	-

MN = 1 Nm (PN = 0.315 kW)



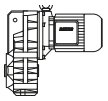
M_N	P_N	n_2	M_2	f_B	i	IE-Classe	Type	Speed range n_2 [1/min] at motor speed n_1 [1/min]					Torque range M_2 [Nm] at motor speed n_1 [1/min]					m	F_{RN}	F_{RV}
[Nm]	[kW]	[1/min]	[Nm]	[--]	[:1]			150	500	1000	3000	3600	150	500	1000	3000	3600	[kg]	[N]	[N]
1	0.315	19.5	151	1.6	151.2	IE4	**BF10Z-../S4E04SA4-1**	0.95	3.3	6.6	19.5	23.5	114	128	151	151	151	21	6400	-
1	0.315	18	166	1.4	166.2	IE4	**BF10Z-../S4E04SA4-1**	0.9	3	6	18	21.5	126	141	166	166	166	21	6400	-
1	0.315	16.5	180	1.3	180.1	IE4	**BF10Z-../S4E04SA4-1**	0.8	2.7	5.5	16.5	19.5	136	153	180	180	180	21	6400	-
1	0.315	15	198	1.2	198	IE4	**BF10Z-../S4E04SA4-1**	0.75	2.5	5	15	18	150	168	198	198	198	21	6400	-
1	0.315	13.5	210	1.1	214.5	IE4	**BF10Z-../S4E04SA4-1**	0.65	2.3	4.6	13.5	16.5	163	182	210	210	210	21	6400	-
1	0.315	12.5	235	1	235.8	IE4	**BF10Z-../S4E04SA4-1**	0.6	2.1	4.2	12.5	15	179	200	235	235	235	21	6400	-
1	0.315	11.5	255	0.93	257.4	IE4	**BF10Z-../S4E04SA4-1**	0.55	1.9	3.8	11.5	13.5	195	215	255	255	255	21	6400	-
1	0.315	10.5	280	0.85	283.1	IE4	**BF10Z-../S4E04SA4-1**	0.5	1.7	3.5	10.5	12.5	215	240	280	280	280	21	6400	-
1	0.315	9.3	320	0.81	322.3	IE4	**BF10G06-../S4E04SA4-1**	0.46	1.5	3.1	9.3	11	240	270	320	320	320	25	6400	-
1	0.315	21	141	3	141.2	IE4	**BF20Z-../S4E04SA4-1**	1	3.5	7	21	25	107	120	141	141	141	28	7900	-
1	0.315	19	155	2.7	155.4	IE4	**BF20Z-../S4E04SA4-1**	0.95	3.2	6.4	19	23	118	132	155	155	155	28	7900	-
1	0.315	18	164	2.6	164.3	IE4	**BF20Z-../S4E04SA4-1**	0.9	3	6	18	21.5	124	139	164	164	164	28	7900	-
1	0.315	16.5	180	2.3	180.8	IE4	**BF20Z-../S4E04SA4-1**	0.8	2.7	5.5	16.5	19.5	137	153	180	180	180	28	7900	-
1	0.315	15	197	2.1	197.1	IE4	**BF20Z-../S4E04SA4-1**	0.75	2.5	5	15	18	149	167	197	197	197	28	7900	-
1	0.315	13.5	215	1.9	216.9	IE4	**BF20Z-../S4E04SA4-1**	0.65	2.3	4.6	13.5	16.5	164	184	215	215	215	28	7900	-
1	0.315	12.5	235	1.8	235.9	IE4	**BF20Z-../S4E04SA4-1**	0.6	2.1	4.2	12.5	15	179	200	235	235	235	28	7900	-
1	0.315	11.5	255	1.6	259.6	IE4	**BF20Z-../S4E04SA4-1**	0.55	1.9	3.8	11.5	13.5	197	220	255	255	255	28	7900	-
1	0.315	10	295	1.4	295.5	IE4	**BF20Z-../S4E04SA4-1**	0.5	1.6	3.3	10	12	220	250	295	295	295	28	7900	-
1	0.315	9.2	325	1.3	325.2	IE4	**BF20Z-../S4E04SA4-1**	0.46	1.5	3	9.2	11	245	275	325	325	325	28	7900	-
1	0.315	8.8	335	1.2	339.1	IE4	**BF20Z-../S4E04SA4-1**	0.44	1.4	2.9	8.8	10.5	255	285	335	335	335	28	7900	-
1	0.315	8	370	1.1	373.1	IE4	**BF20Z-../S4E04SA4-1**	0.4	1.3	2.6	8	9.6	280	315	370	370	370	28	7900	-
1	0.315	7.1	415	1	418.1	IE4	**BF20Z-../S4E04SA4-1**	0.35	1.1	2.3	7.1	8.6	315	355	415	415	415	28	7900	-
1	0.315	6.5	460	0.91	460	IE4	**BF20Z-../S4E04SA4-1**	0.32	1	2.1	6.5	7.8	345	390	460	460	460	28	7900	-
1	0.315	5.8	510	0.9	513.7	IE4	**BF20G06-../S4E04SA4-1**	0.29	0.95	1.9	5.8	7	390	435	510	510	510	31	7900	-
1	0.315	4.8	620	1	622.4	IE4	**BF30G06-../S4E04SA4-1**	0.24	0.8	1.6	4.8	5.7	470	520	620	620	620	41	7400	-
1	0.315	4.2	700	0.89	705.1	IE4	**BF30G06-../S4E04SA4-1**	0.21	0.7	1.4	4.2	5.1	530	590	700	700	700	41	7400	-

MN = 1.3 Nm (PN = 0.4 kW)



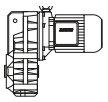
M_N	P_N	n_2	M_2	f_B	i	IE-Classe	Type	Speed range n_2 [1/min] at motor speed n_1 [1/min]					Torque range M_2 [Nm] at motor speed n_1 [1/min]					m	F_{RN}	F_{RV}
[Nm]	[kW]	[1/min]	[Nm]	[--]	[:1]			150	500	1000	3000	3600	150	500	1000	3000	3600	[kg]	[N]	[N]
1.3	0.4	112	34.5	2.7	26.76	IE5	**BF06-../S5E06MA4**	5.6	18.5	37	112	134	34.5	34.5	34.5	34.5	34.5	12	3000	-
1.3	0.4	95	40.5	2.3	31.5	IE5	**BF06-../S5E06MA4**	4.7	15.5	31.5	95	114	40.5	40.5	40.5	40.5	40.5	12	3200	-
1.3	0.4	79	48.5	1.9	37.69	IE5	**BF06-../S5E06MA4**	3.9	13	26.5	79	95	48.5	48.5	48.5	48.5	48.5	12	3500	-
1.3	0.4	65	59	1.6	46.14	IE5	**BF06-../S5E06MA4**	3.2	10.5	21.5	65	78	59	59	59	59	59	12	3800	-
1.3	0.4	51	75	1.3	58.33	IE5	**BF06-../S5E06MA4**	2.5	8.5	17	51	61	75	75	75	75	75	12	4000	-
1.3	0.4	44.5	86	1.1	66.82	IE5	**BF06-../S5E06MA4**	2.2	7.4	14.5	44.5	53	86	86	86	86	86	12	4000	-
1.3	0.4	35.5	108	0.87	83.61	IE5	**BF06-../S5E06MA4**	1.7	5.9	11.5	35.5	43	108	108	108	108	108	12	4000	-
1.3	0.4	48.5	80	3	61.55	IE5	**BF10-../S5E06MA4**	2.4	8.1	16	48.5	58	80	80	80	80	80	23	4700	-
1.3	0.4	44	87	2.7	67.69	IE5	**BF10-../S5E06MA4**	2.2	7.3	14.5	44	53	87	87	87	87	87	23	4900	-
1.3	0.4	38.5	100	2.4	77.55	IE5	**BF10-../S5E06MA4**	1.9	6.4	12.5	38.5	46	100	100	100	100	100	23	5100	-
1.3	0.4	35	110	2.2	85.27	IE5	**BF10-../S5E06MA4**	1.7	5.8	11.5	35	42	110	110	110	110	110	23	5300	-
1.3	0.4	32.5	118	2	90.91	IE5	**BF10-../S5E06MA4**	1.6	5.4	10.5	32.5	39.5	118	118	118	118	118	23	5400	-
1.3	0.4	30	129	1.8	99.97	IE5	**BF10-../S5E06MA4**	1.5	5	10	30	36	129	129	129	129	129	23	5600	-
1.3	0.4	26.5	145	1.6	112.3	IE5	**BF10-../S5E06MA4**	1.3	4.4	8.9	26.5	32	145	145	145	145	145	23	5900	-
1.3	0.4	24	160	1.5	123.5	IE5	**BF10-../S5E06MA4**	1.2	4	8	24	29	160	160	160	160	160	23	6100	-
1.3	0.4	23	167	1.4	128.9	IE5	**BF10-../S5E06MA4**	1.1	3.8	7.7	23	27.5	167	167	167	167	167	23	6200	-
1.3	0.4	21	184	1.3	141.8	IE5	**BF10-../S5E06MA4**	1	3.5	7	21	25	184	184	184	184	184	23	6400	-
1.3	0.4	19.5	196	1.2	151.2	IE5	**BF10Z-../S5E06MA4**	0.95	3.3	6.6	19.5	23.5	196	196	196	196	196	24	6400	-
1.3	0.4	18	215	1.1	166.2	IE5	**BF10Z-../S5E06MA4**	0.9	3	6	18	21.5	215	215	215	215	215	24	6400	-
1.3	0.4	16.5	230	1	180.1	IE5	**BF10Z-../S5E06MA4**	0.8	2.7	5.5	16.5	19.5	230	230	230	230	230	24	6400	-
1.3	0.4	15	255	0.93	198	IE5	**BF10Z-../S5E06MA4**	0.75	2.5	5	15	18	255	255	255	255	255	24	6400	-
1.3	0.4	13.5	275	0.86	214.5	IE5	**BF10Z-../S5E06MA4**	0.65	2.3	4.6	13.5	16.5	275	275	275	275	275	24	6400	-
1.3	0.4	27	143	2.9	110.2	IE5	**BF20-../S5E06MA4**	1.3	4.5	9	27	32.5	143	143	143	143	143	30	7300	-
1.3	0.4	24	160	2.6	123.5	IE5	**BF20-../S5E06MA4**	1.2	4	8	24	29	160	160	160	160	160	30	7600	-
1.3	0.4	22	176	2.4	135.9	IE5	**BF20-../S5E06MA4**	1.1	3.6	7.3	22	26	176	176	176	176	176	30	7900	-
1.3	0.4	21	183	2.3	141.2	IE5	**BF20Z-../S5E06MA4**	1	3.5	7	21	25	183	183	183	183	183	31	7900	-
1.3	0.4	19	200	2.1	155.4	IE5	**BF20Z-../S5E06MA4**	0.95	3.2	6.4	19	23	200	200	200	200	200	31	7900	-
1.3	0.4	18	210	2	164.3	IE5	**BF20Z-../S5E06MA4**	0.9	3	6	18	21.5	210	210	210	210	210	31	7900	-
1.3	0.4	16.5	235	1.8	180.8	IE5	**BF20Z-../S5E06MA4**	0.8	2.7	5.5	16.5	19.5	235	235	235	235	235	31	7900	-
1.3	0.4	15	255	1.6	197.1	IE5	**BF20Z-../S5E06MA4**	0.75	2.5	5	15	18	255	255	255	255	255	31	7900	-
1.3	0.4	13.5	280	1.5	216.9	IE5	**BF20Z-../S5E06MA4**	0.65	2.3	4.6	13.5	16.5	280	280	280	280	280	31	7900	-
1.3	0.4	12.5	305	1.4	235.9	IE5	**BF20Z-../S5E06MA4**	0.6	2.1	4.2	12.5	15	305	305	305	305	305	31	7900	-
1.3	0.4	11.5	335	1.2	259.6	IE5	**BF20Z-../S5E06MA4**	0.55	1.9	3.8	11.5	13.5	335	335	335	335	335	31	7900	-
1.3	0.4	10	380	1.1	295.5	IE5	**BF20Z-../S5E06MA4**	0.5	1.6	3.3	10	12	380	380	380	380	380	31	7900	-
1.3	0.4	9.2	420	0.99	325.2	IE5	**BF20Z-../S5E06MA4**	0.46	1.5	3	9.2	11	420	420	420	420	420	31	7900	-
1.3	0.4	8.8	440	0.95	339.1	IE5	**BF20Z-../S5E06MA4**	0.44	1.4	2.9	8.8	10.5	440	440	440	440	440	31	7900	-
1.3	0.4	8	485	0.87	373.1	IE5	**BF20Z-../S5E06MA4**	0.4	1.3	2.6	8	9.6	485	485	485	485	485	31	7900	-
1.3	0.4	19.5	195	2.9	150.7	IE5	**BF30Z-../S5E06MA4**	0.95	3.3	6.6	19.5	23.5	195	195	195	195	195	42	7400	-
1.3	0.4	18	215	2.6	165.8	IE5	**BF30Z-../S5E06MA4**	0.9	3	6	18	21.5	215	215	215	215	215	42	7400	-
1.3	0.4	16.5	225	2.5	176.6	IE5	**BF30Z-../S5E06MA4**	0.8	2.8	5.6	16.5	20	225	225	225	225	225	42	7400	-

MN = 1.3 Nm (PN = 0.4 kW)



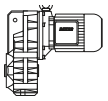
M_N	P_N	n_2	M_2	f_B	i	IE-Classe	Type	Speed range n_2 [1/min] at motor speed n_1 [1/min]					Torque range M_2 [Nm] at motor speed n_1 [1/min]					m	F_{RN}	F_{RV}
[Nm]	[kW]	[1/min]	[Nm]	[--]	[:1]			150	500	1000	3000	3600	150	500	1000	3000	3600	[kg]	[N]	[N]
1.3	0.4	15	250	2.3	194.3	IE5	**BF30Z-../S5E06MA4**	0.75	2.5	5.1	15	18.5	250	250	250	250	250	42	7400	-
1.3	0.4	13	290	2	224.8	IE5	**BF30Z-../S5E06MA4**	0.65	2.2	4.4	13	16	290	290	290	290	290	42	7400	-
1.3	0.4	12	320	1.8	247.3	IE5	**BF30Z-../S5E06MA4**	0.6	2	4	12	14.5	320	320	320	320	320	42	7400	-
1.3	0.4	11	340	1.7	263.5	IE5	**BF30Z-../S5E06MA4**	0.55	1.8	3.7	11	13.5	340	340	340	340	340	42	7400	-
1.3	0.4	10	375	1.5	289.8	IE5	**BF30Z-../S5E06MA4**	0.5	1.7	3.4	10	12	375	375	375	375	375	42	7400	-
1.3	0.4	9.6	400	1.4	310.7	IE5	**BF30Z-../S5E06MA4**	0.48	1.6	3.2	9.6	11.5	400	400	400	400	400	42	7400	-
1.3	0.4	8.7	440	1.3	341.8	IE5	**BF30Z-../S5E06MA4**	0.43	1.4	2.9	8.7	10.5	440	440	440	440	440	42	7400	-
1.3	0.4	7.9	485	1.2	375.1	IE5	**BF30Z-../S5E06MA4**	0.39	1.3	2.6	7.9	9.5	485	485	485	485	485	42	7400	-
1.3	0.4	7.2	530	1.1	412.6	IE5	**BF30Z-../S5E06MA4**	0.36	1.2	2.4	7.2	8.7	530	530	530	530	530	42	7400	-
1.3	0.4	6.4	600	0.95	463.3	IE5	**BF30Z-../S5E06MA4**	0.32	1	2.1	6.4	7.7	600	600	600	600	600	42	7400	-
1.3	0.4	5.8	660	0.86	509.6	IE5	**BF30Z-../S5E06MA4**	0.29	0.95	1.9	5.8	7	660	660	660	660	660	42	7400	-
1.3	0.4	5.5	690	0.82	537	IE5	**BF30Z-../S5E06MA4**	0.27	0.9	1.8	5.5	6.7	690	690	690	690	690	42	7400	-
1.3	0.4	11.5	325	2.7	253.2	IE5	**BF40Z-../S5E06MA4**	0.55	1.9	3.9	11.5	14	325	325	325	325	325	53	10600	-
1.3	0.4	10.5	360	2.5	278.5	IE5	**BF40Z-../S5E06MA4**	0.5	1.7	3.5	10.5	12.5	360	360	360	360	360	53	10600	-
1.3	0.4	10	380	2.3	295.1	IE5	**BF40Z-../S5E06MA4**	0.5	1.6	3.3	10	12	380	380	380	380	380	53	10600	-
1.3	0.4	9.2	420	2.1	324.7	IE5	**BF40Z-../S5E06MA4**	0.46	1.5	3	9.2	11	420	420	420	420	420	53	10600	-
1.3	0.4	8.6	450	2	346.8	IE5	**BF40Z-../S5E06MA4**	0.43	1.4	2.8	8.6	10	450	450	450	450	450	53	10600	-
1.3	0.4	7.8	495	1.8	381.5	IE5	**BF40Z-../S5E06MA4**	0.39	1.3	2.6	7.8	9.4	495	495	495	495	495	53	10600	-
1.3	0.4	7.1	540	1.7	417.3	IE5	**BF40Z-../S5E06MA4**	0.35	1.1	2.3	7.1	8.6	540	540	540	540	540	53	10600	-
1.3	0.4	6.5	590	1.5	459.1	IE5	**BF40Z-../S5E06MA4**	0.32	1	2.1	6.5	7.8	590	590	590	590	590	53	10600	-
1.3	0.4	5.8	660	1.3	514.6	IE5	**BF40Z-../S5E06MA4**	0.29	0.95	1.9	5.8	6.9	660	660	660	660	660	53	10600	-
1.3	0.4	5.2	730	1.2	566.1	IE5	**BF40Z-../S5E06MA4**	0.26	0.85	1.7	5.2	6.3	730	730	730	730	730	53	10600	-
1.3	0.4	5	770	1.3	597.3	IE5	**BF40G10-../S5E06MA4**	0.25	0.8	1.6	5	6	770	770	770	770	770	58	10600	-
1.3	0.4	4.1	950	1.1	731.6	IE5	**BF40G10-../S5E06MA4**	0.2	0.65	1.3	4.1	4.9	950	950	950	950	950	58	10600	-
1.3	0.4	3.2	1200	0.83	928.9	IE5	**BF40G10-../S5E06MA4**	0.16	0.5	1	3.2	3.8	1200	1200	1200	1200	1200	58	10600	-
1.3	0.4	8.4	460	2.8	354	IE5	**BF50Z-../S5E06MA4**	0.42	1.4	2.8	8.4	10	460	460	460	460	460	82	13600	-
1.3	0.4	7.6	510	2.5	392.8	IE5	**BF50Z-../S5E06MA4**	0.38	1.2	2.5	7.6	9.1	510	510	510	510	510	82	13600	-
1.3	0.4	6.8	570	2.3	439.3	IE5	**BF50Z-../S5E06MA4**	0.34	1.1	2.2	6.8	8.1	570	570	570	570	570	82	13600	-
1.3	0.4	6	640	2	496.4	IE5	**BF50Z-../S5E06MA4**	0.3	1	2	6	7.2	640	640	640	640	640	82	13600	-
1.3	0.4	5.4	720	1.8	555.2	IE5	**BF50Z-../S5E06MA4**	0.27	0.9	1.8	5.4	6.4	720	720	720	720	720	82	13600	-
1.3	0.4	5.3	720	1.9	555.9	IE5	**BF50G10-../S5E06MA4**	0.26	0.85	1.7	5.3	6.4	720	720	720	720	720	86	13600	-
1.3	0.4	4.4	880	1.6	680.9	IE5	**BF50G10-../S5E06MA4**	0.22	0.7	1.4	4.4	5.2	880	880	880	880	880	86	13600	-
1.3	0.4	3.4	1120	1.2	864.5	IE5	**BF50G10-../S5E06MA4**	0.17	0.55	1.1	3.4	4.1	1120	1120	1120	1120	1120	86	13600	-
1.3	0.4	2.9	1330	1	1029	IE5	**BF50G10-../S5E06MA4**	0.14	0.48	0.95	2.9	3.4	1330	1330	1330	1330	1330	86	13600	-
1.3	0.4	2.4	1560	0.9	1203	IE5	**BF50G10-../S5E06MA4**	0.12	0.41	0.8	2.4	2.9	1560	1560	1560	1560	1560	86	13600	-
1.3	0.4	4.3	890	2.8	689	IE5	**BF60G20-../S5E06MA4**	0.21	0.7	1.4	4.3	5.2	890	890	890	890	890	134	15300	43300
1.3	0.4	3.6	1050	2.4	813.2	IE5	**BF60G20-../S5E06MA4**	0.18	0.6	1.2	3.6	4.4	1050	1050	1050	1050	1050	134	15300	43300
1.3	0.4	3.1	1210	2.1	937.6	IE5	**BF60G20-../S5E06MA4**	0.15	0.5	1	3.1	3.8	1210	1210	1210	1210	1210	134	15300	43300
1.3	0.4	2.4	1570	1.6	1211	IE5	**BF60G20-../S5E06MA4**	0.12	0.41	0.8	2.4	2.9	1570	1570	1570	1570	1570	134	15300	43300
1.3	0.4	2	1940	1.3	1494	IE5	**BF60G20-../S5E06MA4**	0.1	0.33	0.65	2	2.4	1940	1940	1940	1940	1940	134	15300	43300
1.3	0.4	1.8	2150	1.2	1658	IE5	**BF60G20-../S5E06MA4**	0.09	0.3	0.6	1.8	2.1	2150	2150	2150	2150	2150	134	15300	43300
1.3	0.4	1.5	2500	0.98	1955	IE5	**BF60G20-../S5E06MA4**	0.075	0.25	0.5	1.5	1.8	2500	2500	2500	2500	2500	134	15300	43300
1.3	0.4	1.3	2800	0.89	2172	IE5	**BF60G20-../S5E06MA4**	0.065	0.23	0.46	1.3	1.6	2800	2800	2800	2800	2800	134	15300	43300
1.3	0.4	1.8	2100	2.7	1621	IE5	**BF70G20-../S5E06MA4**	0.09	0.3	0.6	1.8	2.2	2100	2100	2100	2100	2100	212	16100	47700
1.3	0.4	1.5	2450	2.3	1912	IE5	**BF70G20-../S5E06MA4**	0.075	0.26	0.5	1.5	1.8	2450	2450	2450	2450	2450	212	16100	47700
1.3	0.4	1.2	3150	1.8	2448	IE5	**BF70G20-../S5E06MA4**	0.06	0.2	0.4	1.2	1.4	3150	3150	3150	3150	3150	212	16100	47700
1.3	0.4	1	3700	1.5	2849	IE5	**BF70G20-../S5E06MA4**	0.05	0.17	0.35	1	1.2	3700	3700	3700	3700	3700	212	16100	47700
1.3	0.4	0.85	4400	1.3	3417	IE5	**BF70G20-../S5E06MA4**	0.043	0.14	0.29	0.85	1	4400	4400	4400	4400	4400	212	16100	47700
1.3	0.4	0.7	5300	1.1	4090	IE5	**BF70G20-../S5E06MA4**	0.036	0.12	0.24	0.7	0.85	5300	5300	5300	5300	5300	212	16100	47700
1.3	0.4	0.65	5900	0.97	4542	IE5	**BF70G20-../S5E06MA4**	0.033	0.11	0.22	0.65	0.75	5900	5900	5900	5900	5900	212	16100	47700
1.3	0.4	0.55	6600	0.86	5124	IE5	**BF70G20-../S5E06MA4**	0.029	0.095	0.19	0.55	0.7	6600	6600	6600	6600	6600	212	16100	47700

MN = 1.75 Nm (PN = 0.55 kW)



M_N	P_N	n_2	M_2	f_B	i	IE-Classe	Type	Speed range n_2 [1/min] at motor speed n_1 [1/min]					Torque range M_2 [Nm] at motor speed n_1 [1/min]					m	F_{RN}	F_{RV}
[Nm]	[kW]	[1/min]	[Nm]	[--]	[:1]			150	500	1000	3000	3600	150	500	1000	3000	3600	[kg]	[N]	[N]
1.75	0.55	146	35.5	2.7	20.42	IE5	**BF06-../S5E06MA4**	7.3	24	48.5	146	176	35.5	35.5	35.5	35.5	35.5	12	2700	-
1.75	0.55	112	46.5	2	26.76	IE5	**BF06-../S5E06MA4**	5.6	18.5	37	112	134	46.5	46.5	46.5	46.5	46.5	12	3000	-
1.75	0.55	95	55	1.7	31.5	IE5	**BF06-../S5E06MA4**	4.7	15.5	31.5	95	114	55	55	55	55	55	12	3200	-
1.75	0.55	79	65	1.4	37.69	IE5	**BF06-../S5E06MA4**	3.9	13	26.5	79	95	65	65	65	65	65	12	3500	-
1.75	0.55	65	80	1.2	46.14	IE5	**BF06-../S5E06MA4**	3.2	10.5	21.5	65	78	80	80	80	80	80	12	3800	-
1.75	0.55	51	102	0.93	58.33	IE5	**BF06-../S5E06MA4**	2.5	8.5	17	51	61	102	102	102	102	102	12	4000	-
1.75	0.55	44.5	116	0.81	66.82	IE5	**BF06-../S5E06MA4**	2.2	7.4	14.5	44.5	53	116	116	116	116	116	12	4000	-
1.75	0.55	63	82	2.9	47.35	IE5	**BF10-../S5E06MA4**	3.1	10.5	21	63	76	82	82	82	82	82	23	4250	-
1.75	0.55	58	89	2.7	51.28	IE5	**BF10-../S5E06MA4**	2.9	9.7	19.5	58	70	89	89	89	89	89	23	4400	-
1.75	0.55	53	98	2.4	56.39	IE5	**BF10-../S5E06MA4**	2.6	8.8	17.5	53	63	98	98	98	98	98	23	4550	-
1.75	0.55	48.5	107	2.2	61.55	IE5	**BF10-../S5E06MA4**	2.4	8.1	16	48.5	58	107	107	107	107	107	23	4700	-
1.75	0.55	44	118	2	67.69	IE5	**BF10-../S5E06MA4**	2.2	7.3	14.5	44	53	118	118	118	118	118	23	4900	-
1.75	0.55	38.5	135	1.8	77.55	IE5	**BF10-../S5E06MA4**	1.9	6.4	12.5	38.5	46	135	135	135	135	135	23	5100	-
1.75	0.55	35	149	1.6	85.27	IE5	**BF10-../S5E06MA4**	1.7	5.8	11.5	35	42	149	149	149	149	149	23	5300	-
1.75	0.55	32.5	159	1.5	90.91	IE5	**BF10-../S5E06MA4**	1.6	5.4	10.5	32.5	39.5	159	159	159	159	159	23	5400	-

MN = 1.75 Nm (PN = 0.55 kW)

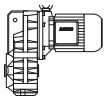


M_N	P_N	n_2	M_2	f_B	i	IE-Classe	Type	Speed range n_2 [1/min] at motor speed n_1 [1/min]					Torque range M_2 [Nm] at motor speed n_1 [1/min]					m	F_{RN}	F_{RV}
[Nm]	[kW]	[1/min]	[Nm]	[--]	[:1]			150	500	1000	3000	3600	150	500	1000	3000	3600	[kg]	[N]	[N]
1.75	0.55	30	174	1.4	99.97	IE5	**BF10-../S5E06MA4**	1.5	5	10	30	36	174	174	174	174	174	23	5600	-
1.75	0.55	26.5	196	1.2	112.3	IE5	**BF10-../S5E06MA4**	1.3	4.4	8.9	26.5	32	196	196	196	196	196	23	5900	-
1.75	0.55	24	215	1.1	123.5	IE5	**BF10-../S5E06MA4**	1.2	4	8	24	29	215	215	215	215	215	23	6100	-
1.75	0.55	23	225	1.1	128.9	IE5	**BF10-../S5E06MA4**	1.1	3.8	7.7	23	27.5	225	225	225	225	225	23	6200	-
1.75	0.55	21	245	0.97	141.8	IE5	**BF10-../S5E06MA4**	1	3.5	7	21	25	245	245	245	245	245	23	6400	-
1.75	0.55	19.5	260	0.91	151.2	IE5	**BF10Z-../S5E06MA4**	0.95	3.3	6.6	19.5	23.5	260	260	260	260	260	24	6400	-
1.75	0.55	18	290	0.83	166.2	IE5	**BF10Z-../S5E06MA4**	0.9	3	6	18	21.5	290	290	290	290	290	24	6400	-
1.75	0.55	34	152	2.7	87.31	IE5	**BF20-../S5E06MA4**	1.7	5.7	11	34	41	152	152	152	152	152	30	6600	-
1.75	0.55	31	168	2.5	96.08	IE5	**BF20-../S5E06MA4**	1.5	5.2	10	31	37	168	168	168	168	168	30	6900	-
1.75	0.55	29.5	175	2.4	100.2	IE5	**BF20-../S5E06MA4**	1.4	4.9	9.9	29.5	35.5	175	175	175	175	175	30	7000	-
1.75	0.55	27	192	2.2	110.2	IE5	**BF20-../S5E06MA4**	1.3	4.5	9	27	32.5	192	192	192	192	192	30	7300	-
1.75	0.55	24	215	1.9	123.5	IE5	**BF20-../S5E06MA4**	1.2	4	8	24	29	215	215	215	215	215	30	7600	-
1.75	0.55	22	235	1.8	135.9	IE5	**BF20-../S5E06MA4**	1.1	3.6	7.3	22	26	235	235	235	235	235	30	7900	-
1.75	0.55	21	245	1.7	141.2	IE5	**BF20Z-../S5E06MA4**	1	3.5	7	21	25	245	245	245	245	245	31	7900	-
1.75	0.55	19	270	1.5	155.4	IE5	**BF20Z-../S5E06MA4**	0.95	3.2	6.4	19	23	270	270	270	270	270	31	7900	-
1.75	0.55	18	285	1.5	164.3	IE5	**BF20Z-../S5E06MA4**	0.9	3	6	18	21.5	285	285	285	285	285	31	7900	-
1.75	0.55	16.5	315	1.3	180.8	IE5	**BF20Z-../S5E06MA4**	0.8	2.7	5.5	16.5	19.5	315	315	315	315	315	31	7900	-
1.75	0.55	15	340	1.2	197.1	IE5	**BF20Z-../S5E06MA4**	0.75	2.5	5	15	18	340	340	340	340	340	31	7900	-
1.75	0.55	13.5	375	1.1	216.9	IE5	**BF20Z-../S5E06MA4**	0.65	2.3	4.6	13.5	16.5	375	375	375	375	375	31	7900	-
1.75	0.55	12.5	410	1	235.9	IE5	**BF20Z-../S5E06MA4**	0.6	2.1	4.2	12.5	15	410	410	410	410	410	31	7900	-
1.75	0.55	11.5	450	0.92	259.6	IE5	**BF20Z-../S5E06MA4**	0.55	1.9	3.8	11.5	13.5	450	450	450	450	450	31	7900	-
1.75	0.55	10	510	0.81	295.5	IE5	**BF20Z-../S5E06MA4**	0.5	1.6	3.3	10	12	510	510	510	510	510	31	7900	-
1.75	0.55	27.5	188	3	107.6	IE5	**BF30-../S5E06MA4**	1.3	4.6	9.2	27.5	33	188	188	188	188	188	40	6700	-
1.75	0.55	25	205	2.8	118.3	IE5	**BF30-../S5E06MA4**	1.2	4.2	8.4	25	30	205	205	205	205	205	40	7000	-
1.75	0.55	24	215	2.6	124.7	IE5	**BF30-../S5E06MA4**	1.2	4	8	24	28.5	215	215	215	215	215	40	7100	-
1.75	0.55	21.5	235	2.4	137.1	IE5	**BF30-../S5E06MA4**	1	3.6	7.2	21.5	26	235	235	235	235	235	40	7400	-
1.75	0.55	19.5	260	2.2	150.7	IE5	**BF30Z-../S5E06MA4**	0.95	3.3	6.6	19.5	23.5	260	260	260	260	260	42	7400	-
1.75	0.55	18	290	2	165.8	IE5	**BF30Z-../S5E06MA4**	0.9	3	6	18	21.5	290	290	290	290	290	42	7400	-
1.75	0.55	16.5	305	1.8	176.6	IE5	**BF30Z-../S5E06MA4**	0.8	2.8	5.6	16.5	20	305	305	305	305	305	42	7400	-
1.75	0.55	15	340	1.7	194.3	IE5	**BF30Z-../S5E06MA4**	0.75	2.5	5.1	15	18.5	340	340	340	340	340	42	7400	-
1.75	0.55	13	390	1.4	224.8	IE5	**BF30Z-../S5E06MA4**	0.65	2.2	4.4	13	16	390	390	390	390	390	42	7400	-
1.75	0.55	12	430	1.3	247.3	IE5	**BF30Z-../S5E06MA4**	0.6	2	4	12	14.5	430	430	430	430	430	42	7400	-
1.75	0.55	11	460	1.2	263.5	IE5	**BF30Z-../S5E06MA4**	0.55	1.8	3.7	11	13.5	460	460	460	460	460	42	7400	-
1.75	0.55	10	500	1.1	289.8	IE5	**BF30Z-../S5E06MA4**	0.5	1.7	3.4	10	12	500	500	500	500	500	42	7400	-
1.75	0.55	9.6	540	1	310.7	IE5	**BF30Z-../S5E06MA4**	0.48	1.6	3.2	9.6	11.5	540	540	540	540	540	42	7400	-
1.75	0.55	8.7	590	0.95	341.8	IE5	**BF30Z-../S5E06MA4**	0.43	1.4	2.9	8.7	10.5	590	590	590	590	590	42	7400	-
1.75	0.55	7.9	650	0.87	375.1	IE5	**BF30Z-../S5E06MA4**	0.39	1.3	2.6	7.9	9.5	650	650	650	650	650	42	7400	-
1.75	0.55	17.5	295	3	171.2	IE5	**BF40Z-../S5E06MA4**	0.85	2.9	5.8	17.5	21	295	295	295	295	295	53	10600	-
1.75	0.55	15.5	325	2.7	188.3	IE5	**BF40Z-../S5E06MA4**	0.75	2.6	5.3	15.5	19	325	325	325	325	325	53	10600	-
1.75	0.55	14.5	350	2.5	202.2	IE5	**BF40Z-../S5E06MA4**	0.7	2.4	4.9	14.5	17.5	350	350	350	350	350	53	10600	-
1.75	0.55	13	385	2.3	222.4	IE5	**BF40Z-../S5E06MA4**	0.65	2.2	4.4	13	16	385	385	385	385	385	53	10600	-
1.75	0.55	11.5	440	2	253.2	IE5	**BF40Z-../S5E06MA4**	0.55	1.9	3.9	11.5	14	440	440	440	440	440	53	10600	-
1.75	0.55	10.5	485	1.8	278.5	IE5	**BF40Z-../S5E06MA4**	0.5	1.7	3.5	10.5	12.5	485	485	485	485	485	53	10600	-
1.75	0.55	10	510	1.7	295.1	IE5	**BF40Z-../S5E06MA4**	0.5	1.6	3.3	10	12	510	510	510	510	510	53	10600	-
1.75	0.55	9.2	560	1.6	324.7	IE5	**BF40Z-../S5E06MA4**	0.46	1.5	3	9.2	11	560	560	560	560	560	53	10600	-
1.75	0.55	8.6	600	1.5	346.8	IE5	**BF40Z-../S5E06MA4**	0.43	1.4	2.8	8.6	10	600	600	600	600	600	53	10600	-
1.75	0.55	7.8	660	1.3	381.5	IE5	**BF40Z-../S5E06MA4**	0.39	1.3	2.6	7.8	9.4	660	660	660	660	660	53	10600	-
1.75	0.55	7.1	730	1.2	417.3	IE5	**BF40Z-../S5E06MA4**	0.35	1.1	2.3	7.1	8.6	730	730	730	730	730	53	10600	-
1.75	0.55	6.5	800	1.1	459.1	IE5	**BF40Z-../S5E06MA4**	0.32	1	2.1	6.5	7.8	800	800	800	800	800	53	10600	-
1.75	0.55	5.8	900	1	514.6	IE5	**BF40Z-../S5E06MA4**	0.29	0.95	1.9	5.8	6.9	900	900	900	900	900	53	10600	-
1.75	0.55	5.2	990	0.91	566.1	IE5	**BF40Z-../S5E06MA4**	0.26	0.85	1.7	5.2	6.3	990	990	990	990	990	53	10600	-
1.75	0.55	5	1040	0.96	597.3	IE5	**BF40G10-../S5E06MA4**	0.25	0.8	1.6	5	6	1040	1040	1040	1040	1040	58	10600	-
1.75	0.55	12	430	3	247.5	IE5	**BF50Z-../S5E06MA4**	0.6	2	4	12	14.5	430	430	430	430	430	82	13600	-
1.75	0.55	10.5	480	2.7	276.8	IE5	**BF50Z-../S5E06MA4**	0.5	1.8	3.6	10.5	13	480	480	480	480	480	82	13600	-
1.75	0.55	9.4	550	2.3	316.6	IE5	**BF50Z-../S5E06MA4**	0.47	1.5	3.1	9.4	11	550	550	550	550	550	82	13600	-
1.75	0.55	8.4	610	2.1	354	IE5	**BF50Z-../S5E06MA4**	0.42	1.4	2.8	8.4	10	610	610	610	610	610	82	13600	-
1.75	0.55	7.6	680	1.9	392.8	IE5	**BF50Z-../S5E06MA4**	0.38	1.2	2.5	7.6	9.1	680	680	680	680	680	82	13600	-
1.75	0.55	6.8	760	1.7	439.3	IE5	**BF50Z-../S5E06MA4**	0.34	1.1	2.2	6.8	8.1	760	760	760	760	760	82	13600	-
1.75	0.55	6	860	1.5	496.4	IE5	**BF50Z-../S5E06MA4**	0.3	1	2	6	7.2	860	860	860	860	860	82	13600	-
1.75	0.55	5.4	970	1.3	555.2	IE5	**BF50Z-../S5E06MA4**	0.27	0.9	1.8	5.4	6.4	970	970	970	970	970	82	13600	-
1.75	0.55	5.3	970	1.4	555.9	IE5	**BF50G10-../S5E06MA4**	0.26	0.85	1.7	5.3	6.4	970	970	970	970	970	86	13600	-
1.75	0.55	4.4	1190	1.2	680.9	IE5	**BF50G10-../S5E06MA4**	0.22	0.7	1.4	4.4	5.2	1190	1190	1190	1190	1190	86	13600	-
1.75	0.55	3.4	1510	0.93	864.5	IE5	**BF50G10-../S5E06MA4**	0.17	0.55	1.1	3.4	4.1	1510	1510	1510	1510	1510	86	13600	-
1.75	0.55	5.2	990	2.5	569.3	IE5	**BF60G20-../S5E06MA4**	0.26	0.85	1.7	5.2	6.3	990	990	990	990	990	134	15300	43300
1.75	0.55	4.3	1200	2.1	689	IE5	**BF60G20-../S5E06MA4**	0.21	0.7	1.4	4.3	5.2	1200	1200	1200	1200	1200	134	15300	43300
1.75	0.55	3.6	1420	1.8	813.2	IE5	**BF60G20-../S5E06MA4**	0.18	0.6	1.2	3.6	4.4	1420	1420	1420	1420	1420	134	15300	43300
1.75	0.55	3.1	1640	1.5	937.6	IE5	**BF60G20-../S5E06MA4**	0.15	0.5	1	3.1	3.8	1640	1640	1640	1640	1640	134	15300	43300
1.75	0.55	2.4	2100	1.2	1211	IE5	**BF60G20-../S5E06MA4**	0.12	0.41	0.8	2.4	2.9	2100	2100	2100	2100	2100	134	15300	43300
1.75	0.55	2	2600	0.96	1494	IE5	**BF60G20-../S5E06MA4**	0.1	0.33	0.65	2	2.4	2600	2600	2600	2600	2600	134	15300	43300
1.75	0.55	1.8	2900	0.86	1658	IE5	**BF60G20-../S5E06MA4**	0.09	0.3	0.6	1.8	2.1	2900	2900	2900	2900	2900	134	15300	43300
1.75	0.55	2.1	2400	2.3	1390	IE5	**BF70G20-../S5E06MA4**	0.1	0.35	0.7	2.1	2.5	2400	2400	2400	2400	2400	212	16100	47700
1.75	0.55	1.8	2800	2	1621	IE5	**BF70G20-../S5E06MA4**	0.09	0.3	0.6	1.8	2.2	2800	2800	2800	2800	2800	212	16100	47700
1.75	0.55	1.5	3300	1.7	1912	IE5	**BF70G20-../S5E06MA4**	0.075	0.26	0.5	1.5	1.8	3300	3300	3300	3300	3300	212	16100	47700
1.75	0.55	1.2	4250	1.3	2448	IE5	**BF70G20-../S5E06MA4**	0.06	0.2	0.4	1.2	1.4	4250	4250	4250	4250	4250	212	16100	47700
1.75	0.55	1	4950	1.1	2849	IE5	**BF70G20-../S5E06MA4**	0.05	0.17	0.35	1	1.2	4950	4950	4950	4950	4950	212	16100	47700
1.75	0.55	0.85	5900	0.95	3417	IE5	**BF70G20-../S5E06MA4**	0.043	0.14	0.29	0.85	1	5900	5900	5900	5900	5900	212	16100	47700

BF-series shaft-mounted geared motors

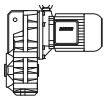
Selection - shaft-mounted geared motors - n_1 = 3000 $^1/_{min}$

MN = 1.75 Nm (PN = 0.55 kW)



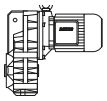
M_N	P_N	n_2	M_2	f_B	i	IE-Classe	Type	Speed range n_2 [1/min] at motor speed n_1 [1/min]					Torque range M_2 [Nm] at motor speed n_1 [1/min]					m	F_{RN}	F_{RV}
[Nm]	[kW]	[1/min]	[Nm]	[--]	[:1]			150	500	1000	3000	3600	150	500	1000	3000	3600	[kg]	[N]	[N]
1.75	0.55	0.7	7100	0.8	4090	IE5	**BF70G20-../S5E06MA4**	0.036	0.12	0.24	0.7	0.85	7100	7100	7100	7100	7100	212	16100	47700

MN = 2.4 Nm (PN = 0.75 kW)



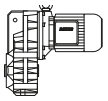
M_N	P_N	n_2	M_2	f_B	i	IE-Classe	Type	Speed range n_2 [1/min] at motor speed n_1 [1/min]					Torque range M_2 [Nm] at motor speed n_1 [1/min]					m	F_{RN}	F_{RV}
[Nm]	[kW]	[1/min]	[Nm]	[--]	[:1]			150	500	1000	3000	3600	150	500	1000	3000	3600	[kg]	[N]	[N]
2.4	0.75	245	28.5	2.6	12.07	IE5	**BF06-../S5E06LA4**	12	41	82	245	295	28.5	28.5	28.5	28.5	28.5	12	2000	-
2.4	0.75	245	28.5	2.6	12.07	IE3	**BF06-../SPE06MA4**	12	41	82	245	295	21.5	24	26.5	28.5	28.5	12	2000	-
2.4	0.75	210	34	2.5	14.21	IE5	**BF06-../S5E06LA4**	10.5	35	70	210	250	34	34	34	34	34	12	2100	-
2.4	0.75	210	34	2.5	14.21	IE3	**BF06-../SPE06MA4**	10.5	35	70	210	250	25.5	28	31	34	34	12	2100	-
2.4	0.75	176	40.5	2.3	16.99	IE5	**BF06-../S5E06LA4**	8.8	29	58	176	210	40.5	40.5	40.5	40.5	40.5	12	2500	-
2.4	0.75	176	40.5	2.3	16.99	IE3	**BF06-../SPE06MA4**	8.8	29	58	176	210	30.5	33.5	37	40.5	40.5	12	2500	-
2.4	0.75	146	49	1.9	20.42	IE5	**BF06-../S5E06LA4**	7.3	24	48.5	146	176	49	49	49	49	49	12	2700	-
2.4	0.75	146	49	1.9	20.42	IE3	**BF06-../SPE06MA4**	7.3	24	48.5	146	176	36.5	40.5	44.5	49	49	12	2700	-
2.4	0.75	112	64	1.5	26.76	IE5	**BF06-../S5E06LA4**	5.6	18.5	37	112	134	64	64	64	64	64	12	3000	-
2.4	0.75	112	64	1.5	26.76	IE3	**BF06-../SPE06MA4**	5.6	18.5	37	112	134	48	53	58	64	64	12	3000	-
2.4	0.75	95	75	1.3	31.5	IE5	**BF06-../S5E06LA4**	4.7	15.5	31.5	95	114	75	75	75	75	75	12	3200	-
2.4	0.75	95	75	1.3	31.5	IE3	**BF06-../SPE06MA4**	4.7	15.5	31.5	95	114	56	63	69	75	75	12	3200	-
2.4	0.75	79	90	1.1	37.69	IE5	**BF06-../S5E06LA4**	3.9	13	26.5	79	95	90	90	90	90	90	12	3500	-
2.4	0.75	79	90	1.1	37.69	IE3	**BF06-../SPE06MA4**	3.9	13	26.5	79	95	67	75	82	90	90	12	3500	-
2.4	0.75	65	110	0.86	46.14	IE5	**BF06-../S5E06LA4**	3.2	10.5	21.5	65	78	110	110	110	110	110	12	3800	-
2.4	0.75	65	110	0.86	46.14	IE3	**BF06-../SPE06MA4**	3.2	10.5	21.5	65	78	83	92	101	110	110	12	3800	-
2.4	0.75	82	86	2.8	36.15	IE5	**BF10-../S5E06LA4**	4.1	13.5	27.5	82	99	86	86	86	86	86	23	3800	-
2.4	0.75	82	86	2.8	36.15	IE3	**BF10-../SPE06MA4**	4.1	13.5	27.5	82	99	65	72	79	86	86	23	3800	-
2.4	0.75	75	95	2.5	39.75	IE5	**BF10-../S5E06LA4**	3.7	12.5	25	75	90	95	95	95	95	95	23	3950	-
2.4	0.75	75	95	2.5	39.75	IE3	**BF10-../SPE06MA4**	3.7	12.5	25	75	90	71	79	87	95	95	23	3950	-
2.4	0.75	69	103	2.3	43.06	IE5	**BF10-../S5E06LA4**	3.4	11.5	23	69	83	103	103	103	103	103	23	4100	-
2.4	0.75	69	103	2.3	43.06	IE3	**BF10-../SPE06MA4**	3.4	11.5	23	69	83	77	86	94	103	103	23	4100	-
2.4	0.75	63	113	2.1	47.35	IE5	**BF10-../S5E06LA4**	3.1	10.5	21	63	76	113	113	113	113	113	23	4250	-
2.4	0.75	63	113	2.1	47.35	IE3	**BF10-../SPE06MA4**	3.1	10.5	21	63	76	85	94	104	113	113	23	4250	-
2.4	0.75	58	123	2	51.28	IE5	**BF10-../S5E06LA4**	2.9	9.7	19.5	58	70	123	123	123	123	123	23	4400	-
2.4	0.75	58	123	2	51.28	IE3	**BF10-../SPE06MA4**	2.9	9.7	19.5	58	70	92	102	112	123	123	23	4400	-
2.4	0.75	53	135	1.8	56.39	IE5	**BF10-../S5E06LA4**	2.6	8.8	17.5	53	63	135	135	135	135	135	23	4550	-
2.4	0.75	53	135	1.8	56.39	IE3	**BF10-../SPE06MA4**	2.6	8.8	17.5	53	63	101	112	124	135	135	23	4550	-
2.4	0.75	48.5	147	1.6	61.55	IE5	**BF10-../S5E06LA4**	2.4	8.1	16	48.5	58	147	147	147	147	147	23	4700	-
2.4	0.75	48.5	147	1.6	61.55	IE3	**BF10-../SPE06MA4**	2.4	8.1	16	48.5	58	110	123	135	147	147	23	4700	-
2.4	0.75	44	162	1.5	67.69	IE5	**BF10-../S5E06LA4**	2.2	7.3	14.5	44	53	162	162	162	162	162	23	4900	-
2.4	0.75	44	162	1.5	67.69	IE3	**BF10-../SPE06MA4**	2.2	7.3	14.5	44	53	121	135	148	162	162	23	4900	-
2.4	0.75	38.5	186	1.3	77.55	IE5	**BF10-../S5E06LA4**	1.9	6.4	12.5	38.5	46	186	186	186	186	186	23	5100	-
2.4	0.75	38.5	186	1.3	77.55	IE3	**BF10-../SPE06MA4**	1.9	6.4	12.5	38.5	46	139	155	170	186	186	23	5100	-
2.4	0.75	35	200	1.2	85.27	IE5	**BF10-../S5E06LA4**	1.7	5.8	11.5	35	42	200	200	200	200	200	23	5300	-
2.4	0.75	35	200	1.2	85.27	IE3	**BF10-../SPE06MA4**	1.7	5.8	11.5	35	42	153	170	187	200	200	23	5300	-
2.4	0.75	32.5	215	1.1	90.91	IE5	**BF10-../S5E06LA4**	1.6	5.4	10.5	32.5	39.5	215	215	215	215	215	23	5400	-
2.4	0.75	32.5	215	1.1	90.91	IE3	**BF10-../SPE06MA4**	1.6	5.4	10.5	32.5	39.5	163	181	200	215	215	23	5400	-
2.4	0.75	30	235	1	99.97	IE5	**BF10-../S5E06LA4**	1.5	5	10	30	36	235	235	235	235	235	23	5600	-
2.4	0.75	30	235	1	99.97	IE3	**BF10-../SPE06MA4**	1.5	5	10	30	36	179	199	215	235	235	23	5600	-
2.4	0.75	26.5	265	0.89	112.3	IE5	**BF10-../S5E06LA4**	1.3	4.4	8.9	26.5	32	265	265	265	265	265	23	5900	-
2.4	0.75	26.5	265	0.89	112.3	IE3	**BF10-../SPE06MA4**	1.3	4.4	8.9	26.5	32	200	220	245	265	265	23	5900	-
2.4	0.75	24	295	0.81	123.5	IE5	**BF10-../S5E06LA4**	1.2	4	8	24	29	295	295	295	295	295	23	6100	-
2.4	0.75	24	295	0.81	123.5	IE3	**BF10-../SPE06MA4**	1.2	4	8	24	29	220	245	270	295	295	23	6100	-
2.4	0.75	51	139	3	58.24	IE5	**BF20-../S5E06LA4**	2.5	8.5	17	51	61	139	139	139	139	139	30	5600	-
2.4	0.75	51	139	3	58.24	IE3	**BF20-../SPE06MA4**	2.5	8.5	17	51	61	104	116	128	139	139	30	5600	-
2.4	0.75	46.5	153	2.7	64.08	IE5	**BF20-../S5E06LA4**	2.3	7.8	15.5	46.5	56	153	153	153	153	153	30	5900	-
2.4	0.75	46.5	153	2.7	64.08	IE3	**BF20-../SPE06MA4**	2.3	7.8	15.5	46.5	56	115	128	140	153	153	30	5900	-
2.4	0.75	43	167	2.5	69.7	IE5	**BF20-../S5E06LA4**	2.1	7.1	14	43	51	167	167	167	167	167	30	6100	-
2.4	0.75	43	167	2.5	69.7	IE3	**BF20-../SPE06MA4**	2.1	7.1	14	43	51	125	139	153	167	167	30	6100	-
2.4	0.75	39	184	2.3	76.69	IE5	**BF20-../S5E06LA4**	1.9	6.5	13	39	46.5	184	184	184	184	184	30	6300	-
2.4	0.75	39	184	2.3	76.69	IE3	**BF20-../SPE06MA4**	1.9	6.5	13	39	46.5	138	153	168	184	184	30	6300	-
2.4	0.75	34	205	2	87.31	IE5	**BF20-../S5E06LA4**	1.7	5.7	11	34	41	205	205	205	205	205	30	6600	-
2.4	0.75	34	205	2	87.31	IE3	**BF20-../SPE06MA4**	1.7	5.7	11	34	41	157	174	192	205	205	30	6600	-
2.4	0.75	31	230	1.8	96.08	IE5	**BF20-../S5E06LA4**	1.5	5.2	10	31	37	230	230	230	230	230	30	6900	-
2.4	0.75	31	230	1.8	96.08	IE3	**BF20-../SPE06MA4**	1.5	5.2	10	31	37	172	192	210	230	230	30	6900	-
2.4	0.75	29.5	240	1.7	100.2	IE5	**BF20-../S5E06LA4**	1.4	4.9	9.9	29.5	35.5	240	240	240	240	240	30	7000	-
2.4	0.75	29.5	240	1.7	100.2	IE3	**BF20-../SPE06MA4**	1.4	4.9	9.9	29.5	35.5	180	200	220	240	240	30	7000	-
2.4	0.75	27	260	1.6	110.2	IE5	**BF20-../S5E06LA4**	1.3	4.5	9	27	32.5	260	260	260	260	260	30	7300	-
2.4	0.75	27	260	1.6	110.2	IE3	**BF20-../SPE06MA4**	1.3	4.5	9	27	32.5	198	220	240	260	260	30	7300	-
2.4	0.75	24	295	1.4	123.5	IE5	**BF20-../S5E06LA4**	1.2	4	8	24	29	295	295	295	295	295	30	7600	-
2.4	0.75	24	295	1.4	123.5	IE3	**BF20-../SPE06MA4**	1.2	4	8	24	29	220	245	270	295	295	30	7600	-
2.4	0.75	22	325	1.3	135.9	IE5	**BF20-../S5E06LA4**	1.1	3.6	7.3	22	26	325	325	325	325	325	30	7900	-
2.4	0.75	22	325	1.3	135.9	IE3	**BF20-../SPE06MA4**	1.1	3.6	7.3	22	26	240	270	295	325	325	30	7900	-
2.4	0.75	21	335	1.2	141.2	IE5	**BF20Z-../S5E06LA4**	1	3.5	7	21	25	335	335	335	335	335	31	7900	-
2.4	0.75	21	335	1.2	141.2	IE3	**BF20Z-../SPE06MA4**	1	3.5	7	21	25	250	280	310	335	335	31	7900	-
2.4	0.75	19	370	1.1	155.4	IE5	**BF20Z-../S5E06LA4**	0.95	3.2	6.4	19	23	370	370	370	370	370	31	7900	-
2.4	0.75	19	370	1.1	155.4	IE3	**BF20Z-../SPE06MA4**	0.95	3.2	6.4	19	23	275	310	340	370	370	31	7900	-

MN = 2.4 Nm (PN = 0.75 kW)



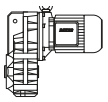
M_N	P_N	n_2	M_2	f_B	i	IE-Classe	Type	Speed range n_2 [1/min] at motor speed n_1 [1/min]					Torque range M_2 [Nm] at motor speed n_1 [1/min]					m	F_{RN}	F_{RV}
[Nm]	[kW]	[1/min]	[Nm]	[--]	[:1]			150	500	1000	3000	3600	150	500	1000	3000	3600	[kg]	[N]	[N]
2.4	0.75	18	390	1.1	164.3	IE5	**BF20Z-../S5E06LA4**	0.9	3	6	18	21.5	390	390	390	390	390	31	7900	-
2.4	0.75	18	390	1.1	164.3	IE3	**BF20Z-../SPE06MA4**	0.9	3	6	18	21.5	295	325	360	390	390	31	7900	-
2.4	0.75	16.5	430	0.97	180.8	IE5	**BF20Z-../S5E06LA4**	0.8	2.7	5.5	16.5	19.5	430	430	430	430	430	31	7900	-
2.4	0.75	16.5	430	0.97	180.8	IE3	**BF20Z-../SPE06MA4**	0.8	2.7	5.5	16.5	19.5	325	360	395	430	430	31	7900	-
2.4	0.75	15	470	0.89	197.1	IE5	**BF20Z-../S5E06LA4**	0.75	2.5	5	15	18	470	470	470	470	470	31	7900	-
2.4	0.75	15	470	0.89	197.1	IE3	**BF20Z-../SPE06MA4**	0.75	2.5	5	15	18	350	390	430	470	470	31	7900	-
2.4	0.75	13.5	520	0.81	216.9	IE5	**BF20Z-../S5E06LA4**	0.65	2.3	4.6	13.5	16.5	520	520	520	520	520	31	7900	-
2.4	0.75	13.5	520	0.81	216.9	IE3	**BF20Z-../SPE06MA4**	0.65	2.3	4.6	13.5	16.5	390	430	475	520	520	31	7900	-
2.4	0.75	37.5	190	3	79.34	IE5	**BF30-../S5E06LA4**	1.8	6.3	12.5	37.5	45	190	190	190	190	190	40	5900	-
2.4	0.75	37.5	190	3	79.34	IE3	**BF30-../SPE06MA4**	1.8	6.3	12.5	37.5	45	142	158	174	190	190	40	5900	-
2.4	0.75	34	205	2.7	87.08	IE5	**BF30-../S5E06LA4**	1.7	5.7	11	34	41	205	205	205	205	205	40	6200	-
2.4	0.75	34	205	2.7	87.08	IE3	**BF30-../SPE06MA4**	1.7	5.7	11	34	41	156	174	191	205	205	40	6200	-
2.4	0.75	31	225	2.5	95.79	IE5	**BF30-../S5E06LA4**	1.5	5.2	10	31	37.5	225	225	225	225	225	40	6400	-
2.4	0.75	31	225	2.5	95.79	IE3	**BF30-../SPE06MA4**	1.5	5.2	10	31	37.5	172	191	210	225	225	40	6400	-
2.4	0.75	27.5	255	2.2	107.6	IE5	**BF30-../S5E06LA4**	1.3	4.6	9.2	27.5	33	255	255	255	255	255	40	6700	-
2.4	0.75	27.5	255	2.2	107.6	IE3	**BF30-../SPE06MA4**	1.3	4.6	9.2	27.5	33	193	215	235	255	255	40	6700	-
2.4	0.75	25	280	2	118.3	IE5	**BF30-../S5E06LA4**	1.2	4.2	8.4	25	30	280	280	280	280	280	40	7000	-
2.4	0.75	25	280	2	118.3	IE3	**BF30-../SPE06MA4**	1.2	4.2	8.4	25	30	210	235	260	280	280	40	7000	-
2.4	0.75	24	295	1.9	124.7	IE5	**BF30-../S5E06LA4**	1.2	4	8	24	28.5	295	295	295	295	295	40	7100	-
2.4	0.75	24	295	1.9	124.7	IE3	**BF30-../SPE06MA4**	1.2	4	8	24	28.5	220	245	270	295	295	40	7100	-
2.4	0.75	21.5	325	1.7	137.1	IE5	**BF30-../S5E06LA4**	1	3.6	7.2	21.5	26	325	325	325	325	325	40	7400	-
2.4	0.75	21.5	325	1.7	137.1	IE3	**BF30-../SPE06MA4**	1	3.6	7.2	21.5	26	245	270	300	325	325	40	7400	-
2.4	0.75	19.5	360	1.6	150.7	IE5	**BF30Z-../S5E06LA4**	0.95	3.3	6.6	19.5	23.5	360	360	360	360	360	42	7400	-
2.4	0.75	19.5	360	1.6	150.7	IE3	**BF30Z-../SPE06MA4**	0.95	3.3	6.6	19.5	23.5	270	300	330	360	360	42	7400	-
2.4	0.75	18	395	1.4	165.8	IE5	**BF30Z-../S5E06LA4**	0.9	3	6	18	21.5	395	395	395	395	395	42	7400	-
2.4	0.75	18	395	1.4	165.8	IE3	**BF30Z-../SPE06MA4**	0.9	3	6	18	21.5	295	330	360	395	395	42	7400	-
2.4	0.75	16.5	420	1.3	176.6	IE5	**BF30Z-../S5E06LA4**	0.8	2.8	5.6	16.5	20	420	420	420	420	420	42	7400	-
2.4	0.75	16.5	420	1.3	176.6	IE3	**BF30Z-../SPE06MA4**	0.8	2.8	5.6	16.5	20	315	350	385	420	420	42	7400	-
2.4	0.75	15	465	1.2	194.3	IE5	**BF30Z-../S5E06LA4**	0.75	2.5	5.1	15	18.5	465	465	465	465	465	42	7400	-
2.4	0.75	15	465	1.2	194.3	IE3	**BF30Z-../SPE06MA4**	0.75	2.5	5.1	15	18.5	345	385	425	465	465	42	7400	-
2.4	0.75	13	530	1.1	224.8	IE5	**BF30Z-../S5E06LA4**	0.65	2.2	4.4	13	16	530	530	530	530	530	42	7400	-
2.4	0.75	13	530	1.1	224.8	IE3	**BF30Z-../SPE06MA4**	0.65	2.2	4.4	13	16	400	445	490	530	530	42	7400	-
2.4	0.75	12	590	0.96	247.3	IE5	**BF30Z-../S5E06LA4**	0.6	2	4	12	14.5	590	590	590	590	590	42	7400	-
2.4	0.75	12	590	0.96	247.3	IE3	**BF30Z-../SPE06MA4**	0.6	2	4	12	14.5	445	490	540	590	590	42	7400	-
2.4	0.75	11	630	0.9	263.5	IE5	**BF30Z-../S5E06LA4**	0.55	1.8	3.7	11	13.5	630	630	630	630	630	42	7400	-
2.4	0.75	11	630	0.9	263.5	IE3	**BF30Z-../SPE06MA4**	0.55	1.8	3.7	11	13.5	470	520	570	630	630	42	7400	-
2.4	0.75	10	690	0.82	289.8	IE5	**BF30Z-../S5E06LA4**	0.5	1.7	3.4	10	12	690	690	690	690	690	42	7400	-
2.4	0.75	10	690	0.82	289.8	IE3	**BF30Z-../SPE06MA4**	0.5	1.7	3.4	10	12	520	570	630	690	690	42	7400	-
2.4	0.75	21	335	2.7	141.4	IE5	**BF40Z-../S5E06LA4**	1	3.5	7	21	25	335	335	335	335	335	53	10600	-
2.4	0.75	21	335	2.7	141.4	IE3	**BF40Z-../SPE06MA4**	1	3.5	7	21	25	250	280	310	335	335	53	10600	-
2.4	0.75	19	370	2.4	155.6	IE5	**BF40Z-../S5E06LA4**	0.95	3.2	6.4	19	23	370	370	370	370	370	53	10600	-
2.4	0.75	19	370	2.4	155.6	IE3	**BF40Z-../SPE06MA4**	0.95	3.2	6.4	19	23	280	310	340	370	370	53	10600	-
2.4	0.75	17.5	410	2.2	171.2	IE5	**BF40Z-../S5E06LA4**	0.85	2.9	5.8	17.5	21	410	410	410	410	410	53	10600	-
2.4	0.75	17.5	410	2.2	171.2	IE3	**BF40Z-../SPE06MA4**	0.85	2.9	5.8	17.5	21	305	340	375	410	410	53	10600	-
2.4	0.75	15.5	450	2	188.3	IE5	**BF40Z-../S5E06LA4**	0.75	2.6	5.3	15.5	19	450	450	450	450	450	53	10600	-
2.4	0.75	15.5	450	2	188.3	IE3	**BF40Z-../SPE06MA4**	0.75	2.6	5.3	15.5	19	335	375	410	450	450	53	10600	-
2.4	0.75	14.5	485	1.9	202.2	IE5	**BF40Z-../S5E06LA4**	0.7	2.4	4.9	14.5	17.5	485	485	485	485	485	53	10600	-
2.4	0.75	14.5	485	1.9	202.2	IE3	**BF40Z-../SPE06MA4**	0.7	2.4	4.9	14.5	17.5	360	400	440	485	485	53	10600	-
2.4	0.75	13	530	1.7	222.4	IE5	**BF40Z-../S5E06LA4**	0.65	2.2	4.4	13	16	530	530	530	530	530	53	10600	-
2.4	0.75	13	530	1.7	222.4	IE3	**BF40Z-../SPE06MA4**	0.65	2.2	4.4	13	16	400	440	485	530	530	53	10600	-
2.4	0.75	11.5	600	1.5	253.2	IE5	**BF40Z-../S5E06LA4**	0.55	1.9	3.9	11.5	14	600	600	600	600	600	53	10600	-
2.4	0.75	11.5	600	1.5	253.2	IE3	**BF40Z-../SPE06MA4**	0.55	1.9	3.9	11.5	14	455	500	550	600	600	53	10600	-
2.4	0.75	10.5	660	1.3	278.5	IE5	**BF40Z-../S5E06LA4**	0.5	1.7	3.5	10.5	12.5	660	660	660	660	660	53	10600	-
2.4	0.75	10.5	660	1.3	278.5	IE3	**BF40Z-../SPE06MA4**	0.5	1.7	3.5	10.5	12.5	500	550	610	660	660	53	10600	-
2.4	0.75	10	700	1.3	295.1	IE5	**BF40Z-../S5E06LA4**	0.5	1.6	3.3	10	12	700	700	700	700	700	53	10600	-
2.4	0.75	10	700	1.3	295.1	IE3	**BF40Z-../SPE06MA4**	0.5	1.6	3.3	10	12	530	590	640	700	700	53	10600	-
2.4	0.75	9.2	770	1.2	324.7	IE5	**BF40Z-../S5E06LA4**	0.46	1.5	3	9.2	11	770	770	770	770	770	53	10600	-
2.4	0.75	9.2	770	1.2	324.7	IE3	**BF40Z-../SPE06MA4**	0.46	1.5	3	9.2	11	580	640	710	770	770	53	10600	-
2.4	0.75	8.6	830	1.1	346.8	IE5	**BF40Z-../S5E06LA4**	0.43	1.4	2.8	8.6	10	830	830	830	830	830	53	10600	-
2.4	0.75	8.6	830	1.1	346.8	IE3	**BF40Z-../SPE06MA4**	0.43	1.4	2.8	8.6	10	620	690	760	830	830	53	10600	-
2.4	0.75	7.8	910	0.98	381.5	IE5	**BF40Z-../S5E06LA4**	0.39	1.3	2.6	7.8	9.4	910	910	910	910	910	53	10600	-
2.4	0.75	7.8	910	0.98	381.5	IE3	**BF40Z-../SPE06MA4**	0.39	1.3	2.6	7.8	9.4	680	760	830	910	910	53	10600	-
2.4	0.75	7.1	1000	0.9	417.3	IE5	**BF40Z-../S5E06LA4**	0.35	1.1	2.3	7.1	8.6	1000	1000	1000	1000	1000	53	10600	-
2.4	0.75	7.1	1000	0.9	417.3	IE3	**BF40Z-../SPE06MA4**	0.35	1.1	2.3	7.1	8.6	750	830	910	1000	1000	53	10600	-
2.4	0.75	6.5	1100	0.82	459.1	IE5	**BF40Z-../S5E06LA4**	0.32	1	2.1	6.5	7.8	1100	1100	1100	1100	1100	53	10600	-
2.4	0.75	6.5	1100	0.82	459.1	IE3	**BF40Z-../SPE06MA4**	0.32	1	2.1	6.5	7.8	820	910	1010	1100	1100	53	10600	-
2.4	0.75	16	440	3	183.5	IE5	**BF50Z-../S5E06LA4**	0.8	2.7	5.4	16	19.5	440	440	440	440	440	82	13600	-
2.4	0.75	16	440	3	183.5	IE3	**BF50Z-../SPE06MA4**	0.8	2.7	5.4	16	19.5	330	365	400	440	440	82	13600	-
2.4	0.75	14.5	490	2.6	205.2	IE5	**BF50Z-../S5E06LA4**	0.7	2.4	4.8	14.5	17.5	490	490	490	490	490	82	13600	-
2.4	0.75	14.5	490	2.6	205.2	IE3	**BF50Z-../SPE06MA4**	0.7	2.4	4.8	14.5	17.5	365	410	450	490	490	82	13600	-
2.4	0.75	12	590	2.2	247.5	IE5	**BF50Z-../S5E06LA4**	0.6	2	4	12	14.5	590	590	590	590	590	82	13600	-
2.4	0.75	12	590	2.2	247.5	IE3	**BF50Z-../SPE06MA4**	0.6	2	4	12	14.5	445	495	540	590	590	82	13600	-
2.4	0.75	10.5	660	2	276.8	IE5	**BF50Z-../S5E06LA4**	0.5	1.8	3.6	10.5	13	660	660	660	660	660	82	13600	-
2.4	0.75	10.5	660	2	276.8	IE3	**BF50Z-../SPE06MA4**	0.5	1.8	3.6	10.5	13	495	550	600	660	660	82	13600	-
2.4	0.75	9.4	750	1.7	316.6	IE5	**BF50Z-../S5E06LA4**	0.47	1.5	3.1	9.4	11	750	750	750	750	750	82	13600	-
2.4	0.75	9.4	750	1.7	316.6	IE3	**BF50Z-../SPE06MA4**	0.47	1.5	3.1	9.4	11	560	630	690	750	750	82	13600	-
2.4	0.75	8.4	840	1.5	354	IE5	**BF50Z-../S5E06LA4**	0.42	1.4	2.8	8.4	10	840	840	840	840	840	82	13600	-
2.4	0.75	8.4	840	1.5	354	IE3	**BF50Z-../SPE06MA4**	0.42	1.4	2.8	8.4	10	630	700	770	840	840	82	13600	-
2.4	0.75	7.6	940	1.4	392.8	IE5	**BF50Z-../S5E06LA4**	0.38	1.2	2.5	7.6	9.1	940	940	940	940	940	82	13600	-

MN = 2.4 Nm (PN = 0.75 kW)



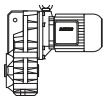
M_N	P_N	n_2	M_2	f_B	i	IE-Classe	Type	Speed range n_2 [1/min] at motor speed n_1 [1/min]					Torque range M_2 [Nm] at motor speed n_1 [1/min]					m	F_{RN}	F_{RV}
[Nm]	[kW]	[1/min]	[Nm]	[--]	[:1]			150	500	1000	3000	3600	150	500	1000	3000	3600	[kg]	[N]	[N]
2.4	0.75	7.6	940	1.4	392.8	IE3	**BF50Z-../SPE06MA4**	0.38	1.2	2.5	7.6	9.1	700	780	860	940	940	82	13600	-
2.4	0.75	6.8	1050	1.2	439.3	IE5	**BF50Z-../S5E06LA4**	0.34	1.1	2.2	6.8	8.1	1050	1050	1050	1050	1050	82	13600	-
2.4	0.75	6.8	1050	1.2	439.3	IE3	**BF50Z-../SPE06MA4**	0.34	1.1	2.2	6.8	8.1	790	870	960	1050	1050	82	13600	-
2.4	0.75	6	1190	1.1	496.4	IE5	**BF50Z-../S5E06LA4**	0.3	1	2	6	7.2	1190	1190	1190	1190	1190	82	13600	-
2.4	0.75	6	1190	1.1	496.4	IE3	**BF50Z-../SPE06MA4**	0.3	1	2	6	7.2	890	990	1090	1190	1190	82	13600	-
2.4	0.75	5.4	1330	0.98	555.2	IE5	**BF50Z-../S5E06LA4**	0.27	0.9	1.8	5.4	6.4	1330	1330	1330	1330	1330	82	13600	-
2.4	0.75	5.4	1330	0.98	555.2	IE3	**BF50Z-../SPE06MA4**	0.27	0.9	1.8	5.4	6.4	990	1110	1220	1330	1330	82	13600	-
2.4	0.75	5.3	1330	1	555.9	IE5	**BF50G10-../S5E06LA4**	0.26	0.85	1.7	5.3	6.4	1330	1330	1330	1330	1330	86	13600	-
2.4	0.75	5.3	1330	1	555.9	IE3	**BF50G10-../SPE06MA4**	0.26	0.85	1.7	5.3	6.4	1000	1110	1220	1330	1330	86	13600	-
2.4	0.75	4.4	1630	0.86	680.9	IE5	**BF50G10-../S5E06LA4**	0.22	0.7	1.4	4.4	5.2	1630	1630	1630	1630	1630	86	13600	-
2.4	0.75	4.4	1630	0.86	680.9	IE3	**BF50G10-../SPE06MA4**	0.22	0.7	1.4	4.4	5.2	1220	1360	1490	1630	1630	86	13600	-
2.4	0.75	5.2	1360	1.8	569.3	IE5	**BF60G20-../S5E06LA4**	0.26	0.85	1.7	5.2	6.3	1360	1360	1360	1360	1360	134	15300	43300
2.4	0.75	5.2	1360	1.8	569.3	IE3	**BF60G20-../SPE06MA4**	0.26	0.85	1.7	5.2	6.3	1020	1130	1250	1360	1360	134	15300	43300
2.4	0.75	4.3	1650	1.5	689	IE5	**BF60G20-../S5E06LA4**	0.21	0.7	1.4	4.3	5.2	1650	1650	1650	1650	1650	134	15300	43300
2.4	0.75	4.3	1650	1.5	689	IE3	**BF60G20-../SPE06MA4**	0.21	0.7	1.4	4.3	5.2	1240	1370	1510	1650	1650	134	15300	43300
2.4	0.75	3.6	1950	1.3	813.2	IE5	**BF60G20-../S5E06LA4**	0.18	0.6	1.2	3.6	4.4	1950	1950	1950	1950	1950	134	15300	43300
2.4	0.75	3.6	1950	1.3	813.2	IE3	**BF60G20-../SPE06MA4**	0.18	0.6	1.2	3.6	4.4	1460	1620	1780	1950	1950	134	15300	43300
2.4	0.75	3.1	2250	1.1	937.6	IE5	**BF60G20-../S5E06LA4**	0.15	0.5	1	3.1	3.8	2250	2250	2250	2250	2250	134	15300	43300
2.4	0.75	3.1	2250	1.1	937.6	IE3	**BF60G20-../SPE06MA4**	0.15	0.5	1	3.1	3.8	1680	1870	2050	2250	2250	134	15300	43300
2.4	0.75	2.4	2900	0.86	1211	IE5	**BF60G20-../S5E06LA4**	0.12	0.41	0.8	2.4	2.9	2900	2900	2900	2900	2900	134	15300	43300
2.4	0.75	2.4	2900	0.86	1211	IE3	**BF60G20-../SPE06MA4**	0.12	0.41	0.8	2.4	2.9	2150	2400	2650	2900	2900	134	15300	43300
2.4	0.75	3.4	2050	2.7	872.1	IE5	**BF70G20-../S5E06LA4**	0.17	0.55	1.1	3.4	4.1	2050	2050	2050	2050	2050	212	16100	47700
2.4	0.75	3.4	2050	2.7	872.1	IE3	**BF70G20-../SPE06MA4**	0.17	0.55	1.1	3.4	4.1	1560	1740	1910	2050	2050	212	16100	47700
2.4	0.75	2.9	2400	2.3	1017	IE5	**BF70G20-../S5E06LA4**	0.14	0.49	0.95	2.9	3.5	2400	2400	2400	2400	2400	212	16100	47700
2.4	0.75	2.9	2400	2.3	1017	IE3	**BF70G20-../SPE06MA4**	0.14	0.49	0.95	2.9	3.5	1830	2000	2200	2400	2400	212	16100	47700
2.4	0.75	2.1	3300	1.7	1390	IE5	**BF70G20-../S5E06LA4**	0.1	0.35	0.7	2.1	2.5	3300	3300	3300	3300	3300	212	16100	47700
2.4	0.75	2.1	3300	1.7	1390	IE3	**BF70G20-../SPE06MA4**	0.1	0.35	0.7	2.1	2.5	2500	2750	3050	3300	3300	212	16100	47700
2.4	0.75	1.8	3850	1.5	1621	IE5	**BF70G20-../S5E06LA4**	0.09	0.3	0.6	1.8	2.2	3850	3850	3850	3850	3850	212	16100	47700
2.4	0.75	1.8	3850	1.5	1621	IE3	**BF70G20-../SPE06MA4**	0.09	0.3	0.6	1.8	2.2	2900	3200	3550	3850	3850	212	16100	47700
2.4	0.75	1.5	4550	1.2	1912	IE5	**BF70G20-../S5E06LA4**	0.075	0.26	0.5	1.5	1.8	4550	4550	4550	4550	4550	212	16100	47700
2.4	0.75	1.5	4550	1.2	1912	IE3	**BF70G20-../SPE06MA4**	0.075	0.26	0.5	1.5	1.8	3400	3800	4200	4550	4550	212	16100	47700
2.4	0.75	1.2	5800	0.97	2448	IE5	**BF70G20-../S5E06LA4**	0.06	0.2	0.4	1.2	1.4	5800	5800	5800	5800	5800	212	16100	47700
2.4	0.75	1.2	5800	0.97	2448	IE3	**BF70G20-../SPE06MA4**	0.06	0.2	0.4	1.2	1.4	4400	4850	5300	5800	5800	212	16100	47700
2.4	0.75	1	6800	0.83	2849	IE5	**BF70G20-../S5E06LA4**	0.05	0.17	0.35	1	1.2	6800	6800	6800	6800	6800	212	16100	47700
2.4	0.75	1	6800	0.83	2849	IE3	**BF70G20-../SPE06MA4**	0.05	0.17	0.35	1	1.2	5100	5600	6200	6800	6800	212	16100	47700

MN = 3.5 Nm (PN = 1.1 kW)



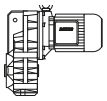
M_N	P_N	n_2	M_2	f_B	i	IE-Classe	Type	Speed range n_2 [1/min] at motor speed n_1 [1/min]					Torque range M_2 [Nm] at motor speed n_1 [1/min]					m	F_{RN}	F_{RV}
[Nm]	[kW]	[1/min]	[Nm]	[--]	[:1]			150	500	1000	3000	3600	150	500	1000	3000	3600	[kg]	[N]	[N]
3.5	1.1	390	26.5	2.5	7.66	IE4	**BF06-../S4E06LA4**	19.5	65	130	390	465	19.1	22	26.5	26.5	26.5	12	1800	-
3.5	1.1	325	32	2.2	9.21	IE4	**BF06-../S4E06LA4**	16	54	108	325	390	23	26.5	32	32	32	12	1900	-
3.5	1.1	245	42	1.8	12.07	IE4	**BF06-../S4E06LA4**	12	41	82	245	295	30	35	42	42	42	12	2000	-
3.5	1.1	210	49.5	1.7	14.21	IE4	**BF06-../S4E06LA4**	10.5	35	70	210	250	35.5	41	49.5	49.5	49.5	12	2100	-
3.5	1.1	176	59	1.6	16.99	IE4	**BF06-../S4E06LA4**	8.8	29	58	176	210	42	49	59	59	59	12	2500	-
3.5	1.1	146	71	1.3	20.42	IE4	**BF06-../S4E06LA4**	7.3	24	48.5	146	176	51	59	71	71	71	12	2700	-
3.5	1.1	112	93	1	26.76	IE4	**BF06-../S4E06LA4**	5.6	18.5	37	112	134	66	77	93	93	93	12	3000	-
3.5	1.1	95	110	0.86	31.5	IE4	**BF06-../S4E06LA4**	4.7	15.5	31.5	95	114	78	91	110	110	110	12	3200	-
3.5	1.1	128	81	2.9	23.28	IE4	**BF10-../S4E06LA4**	6.4	21	42.5	128	154	58	67	81	81	81	23	3200	-
3.5	1.1	117	89	2.7	25.6	IE4	**BF10-../S4E06LA4**	5.8	19.5	39	117	140	64	74	89	89	89	23	3350	-
3.5	1.1	105	99	2.4	28.47	IE4	**BF10-../S4E06LA4**	5.2	17.5	35	105	126	71	82	99	99	99	23	3450	-
3.5	1.1	95	109	2.2	31.31	IE4	**BF10-../S4E06LA4**	4.7	15.5	31.5	95	114	78	90	109	109	109	23	3600	-
3.5	1.1	82	126	1.9	36.15	IE4	**BF10-../S4E06LA4**	4.1	13.5	27.5	82	99	90	104	126	126	126	23	3800	-
3.5	1.1	75	139	1.7	39.75	IE4	**BF10-../S4E06LA4**	3.7	12.5	25	75	90	99	115	139	139	139	23	3950	-
3.5	1.1	69	150	1.6	43.06	IE4	**BF10-../S4E06LA4**	3.4	11.5	23	69	83	107	124	150	150	150	23	4100	-
3.5	1.1	63	165	1.4	47.35	IE4	**BF10-../S4E06LA4**	3.1	10.5	21	63	76	118	137	165	165	165	23	4250	-
3.5	1.1	58	179	1.3	51.28	IE4	**BF10-../S4E06LA4**	2.9	9.7	19.5	58	70	128	148	179	179	179	23	4400	-
3.5	1.1	53	197	1.2	56.39	IE4	**BF10-../S4E06LA4**	2.6	8.8	17.5	53	63	140	163	197	197	197	23	4550	-
3.5	1.1	48.5	215	1.1	61.55	IE4	**BF10-../S4E06LA4**	2.4	8.1	16	48.5	58	153	178	215	215	215	23	4700	-
3.5	1.1	44	235	1	67.69	IE4	**BF10-../S4E06LA4**	2.2	7.3	14.5	44	53	169	196	235	235	235	23	4900	-
3.5	1.1	38.5	270	0.88	77.55	IE4	**BF10-../S4E06LA4**	1.9	6.4	12.5	38.5	46	193	220	270	270	270	23	5100	-
3.5	1.1	35	295	0.8	85.27	IE4	**BF10-../S4E06LA4**	1.7	5.8	11.5	35	42	210	245	295	295	295	23	5300	-
3.5	1.1	71	146	2.9	41.72	IE4	**BF20-../S4E06LA4**	3.5	11.5	23.5	71	86	104	120	146	146	146	30	4950	-
3.5	1.1	65	160	2.6	45.9	IE4	**BF20-../S4E06LA4**	3.2	10.5	21.5	65	78	114	133	160	160	160	30	5100	-
3.5	1.1	61	169	2.5	48.56	IE4	**BF20-../S4E06LA4**	3	10	20.5	61	74	121	140	169	169	169	30	5200	-
3.5	1.1	56	187	2.2	53.43	IE4	**BF20-../S4E06LA4**	2.8	9.3	18.5	56	67	133	154	187	187	187	30	5500	-
3.5	1.1	51	200	2.1	58.24	IE4	**BF20-../S4E06LA4**	2.5	8.5	17	51	61	145	168	200	200	200	30	5600	-
3.5	1.1	46.5	220	1.9	64.08	IE4	**BF20-../S4E06LA4**	2.3	7.8	15.5	46.5	56	160	185	220	220	220	30	5900	-
3.5	1.1	43	240	1.7	69.7	IE4	**BF20-../S4E06LA4**	2.1	7.1	14	43	51	174	200	240	240	240	30	6100	-
3.5	1.1	39	265	1.6	76.69	IE4	**BF20-../S4E06LA4**	1.9	6.5	13	39	46.5	191	220	265	265	265	30	6300	-
3.5	1.1	34	305	1.4	87.31	IE4	**BF20-../S4E06LA4**	1.7	5.7	11	34	41	215	250	305	305	305	30	6600	-
3.5	1.1	31	335	1.2	96.08	IE4	**BF20-../S4E06LA4**	1.5	5.2	10	31	37	240	275	335	335	335	30	6900	-

MN = 3.5 Nm (PN = 1.1 kW)



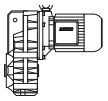
M_N	P_N	n_2	M_2	f_B	i	IE-Classe	Type	Speed range n_2 [1/min] at motor speed n_1 [1/min]					Torque range M_2 [Nm] at motor speed n_1 [1/min]					m	F_{RN}	F_{RV}
[Nm]	[kW]	[1/min]	[Nm]	[--]	[:1]			150	500	1000	3000	3600	150	500	1000	3000	3600	[kg]	[N]	[N]
3.5	1.1	29.5	350	1.2	100.2	IE4	**BF20-../S4E06LA4**	1.4	4.9	9.9	29.5	35.5	250	290	350	350	350	30	7000	-
3.5	1.1	27	385	1.1	110.2	IE4	**BF20-../S4E06LA4**	1.3	4.5	9	27	32.5	275	315	385	385	385	30	7300	-
3.5	1.1	24	430	0.97	123.5	IE4	**BF20-../S4E06LA4**	1.2	4	8	24	29	305	355	430	430	430	30	7600	-
3.5	1.1	22	475	0.88	135.9	IE4	**BF20-../S4E06LA4**	1.1	3.6	7.3	22	26	335	390	475	475	475	30	7900	-
3.5	1.1	21	490	0.85	141.2	IE4	**BF20Z-../S4E06LA4**	1	3.5	7	21	25	350	405	490	490	490	31	7900	-
3.5	1.1	52	200	2.8	57.41	IE4	**BF30-../S4E06LA4**	2.6	8.7	17	52	62	143	166	200	200	200	40	5200	-
3.5	1.1	49	210	2.7	61.17	IE4	**BF30-../S4E06LA4**	2.4	8.1	16	49	58	152	177	210	210	210	40	5300	-
3.5	1.1	44.5	235	2.4	67.28	IE4	**BF30-../S4E06LA4**	2.2	7.4	14.5	44.5	53	168	195	235	235	235	40	5500	-
3.5	1.1	41.5	250	2.3	72.13	IE4	**BF30-../S4E06LA4**	2	6.9	13.5	41.5	49.5	180	205	250	250	250	40	5700	-
3.5	1.1	37.5	275	2.1	79.34	IE4	**BF30-../S4E06LA4**	1.8	6.3	12.5	37.5	45	198	230	275	275	275	40	5900	-
3.5	1.1	34	300	1.9	87.08	IE4	**BF30-../S4E06LA4**	1.7	5.7	11	34	41	215	250	300	300	300	40	6200	-
3.5	1.1	31	335	1.7	95.79	IE4	**BF30-../S4E06LA4**	1.5	5.2	10	31	37.5	235	275	335	335	335	40	6400	-
3.5	1.1	27.5	375	1.5	107.6	IE4	**BF30-../S4E06LA4**	1.3	4.6	9.2	27.5	33	265	310	375	375	375	40	6700	-
3.5	1.1	25	410	1.4	118.3	IE4	**BF30-../S4E06LA4**	1.2	4.2	8.4	25	30	295	340	410	410	410	40	7000	-
3.5	1.1	24	435	1.3	124.7	IE4	**BF30-../S4E06LA4**	1.2	4	8	24	28.5	310	360	435	435	435	40	7100	-
3.5	1.1	21.5	475	1.2	137.1	IE4	**BF30-../S4E06LA4**	1	3.6	7.2	21.5	26	340	395	475	475	475	40	7400	-
3.5	1.1	19.5	520	1.1	150.7	IE4	**BF30Z-../S4E06LA4**	0.95	3.3	6.6	19.5	23.5	375	435	520	520	520	42	7400	-
3.5	1.1	18	580	0.98	165.8	IE4	**BF30Z-../S4E06LA4**	0.9	3	6	18	21.5	410	480	580	580	580	42	7400	-
3.5	1.1	16.5	610	0.92	176.6	IE4	**BF30Z-../S4E06LA4**	0.8	2.8	5.6	16.5	20	440	510	610	610	610	42	7400	-
3.5	1.1	15	680	0.84	194.3	IE4	**BF30Z-../S4E06LA4**	0.75	2.5	5.1	15	18.5	485	560	680	680	680	42	7400	-
3.5	1.1	21	490	1.8	141.4	IE4	**BF40Z-../S4E06LA4**	1	3.5	7	21	25	350	410	490	490	490	53	10600	-
3.5	1.1	19	540	1.7	155.6	IE4	**BF40Z-../S4E06LA4**	0.95	3.2	6.4	19	23	385	450	540	540	540	53	10600	-
3.5	1.1	17.5	590	1.5	171.2	IE4	**BF40Z-../S4E06LA4**	0.85	2.9	5.8	17.5	21	425	495	590	590	590	53	10600	-
3.5	1.1	15.5	650	1.4	188.3	IE4	**BF40Z-../S4E06LA4**	0.75	2.6	5.3	15.5	19	470	540	650	650	650	53	10600	-
3.5	1.1	14.5	700	1.3	202.2	IE4	**BF40Z-../S4E06LA4**	0.7	2.4	4.9	14.5	17.5	500	580	700	700	700	53	10600	-
3.5	1.1	13	770	1.2	222.4	IE4	**BF40Z-../S4E06LA4**	0.65	2.2	4.4	13	16	550	640	770	770	770	53	10600	-
3.5	1.1	11.5	880	1	253.2	IE4	**BF40Z-../S4E06LA4**	0.55	1.9	3.9	11.5	14	630	730	880	880	880	53	10600	-
3.5	1.1	10.5	970	0.92	278.5	IE4	**BF40Z-../S4E06LA4**	0.5	1.7	3.5	10.5	12.5	690	800	970	970	970	53	10600	-
3.5	1.1	10	1030	0.87	295.1	IE4	**BF40Z-../S4E06LA4**	0.5	1.6	3.3	10	12	730	850	1030	1030	1030	53	10600	-
3.5	1.1	21.5	480	2.7	138.1	IE4	**BF50Z-../S4E06LA4**	1	3.6	7.2	21.5	26	345	400	480	480	480	82	13600	-
3.5	1.1	19	540	2.4	154.5	IE4	**BF50Z-../S4E06LA4**	0.95	3.2	6.4	19	23	385	445	540	540	540	82	13600	-
3.5	1.1	16	640	2	183.5	IE4	**BF50Z-../S4E06LA4**	0.8	2.7	5.4	16	19.5	455	530	640	640	640	82	13600	-
3.5	1.1	14.5	710	1.8	205.2	IE4	**BF50Z-../S4E06LA4**	0.7	2.4	4.8	14.5	17.5	510	590	710	710	710	82	13600	-
3.5	1.1	12	860	1.5	247.5	IE4	**BF50Z-../S4E06LA4**	0.6	2	4	12	14.5	610	710	860	860	860	82	13600	-
3.5	1.1	10.5	960	1.3	276.8	IE4	**BF50Z-../S4E06LA4**	0.5	1.8	3.6	10.5	13	690	800	960	960	960	82	13600	-
3.5	1.1	9.4	1100	1.2	316.6	IE4	**BF50Z-../S4E06LA4**	0.47	1.5	3.1	9.4	11	790	910	1100	1100	1100	82	13600	-
3.5	1.1	8.4	1230	1	354	IE4	**BF50Z-../S4E06LA4**	0.42	1.4	2.8	8.4	10	880	1020	1230	1230	1230	82	13600	-
3.5	1.1	7.6	1370	0.95	392.8	IE4	**BF50Z-../S4E06LA4**	0.38	1.2	2.5	7.6	9.1	980	1130	1370	1370	1370	82	13600	-
3.5	1.1	6.8	1530	0.85	439.3	IE4	**BF50Z-../S4E06LA4**	0.34	1.1	2.2	6.8	8.1	1090	1270	1530	1530	1530	82	13600	-
3.5	1.1	5.2	1990	1.3	569.3	IE4	**BF60G20-../S4E06LA4**	0.26	0.85	1.7	5.2	6.3	1420	1650	1990	1990	1990	134	15300	43300
3.5	1.1	4.3	2400	1	689	IE4	**BF60G20-../S4E06LA4**	0.21	0.7	1.4	4.3	5.2	1720	1990	2400	2400	2400	134	15300	43300
3.5	1.1	3.6	2800	0.88	813.2	IE4	**BF60G20-../S4E06LA4**	0.18	0.6	1.2	3.6	4.4	2000	2350	2800	2800	2800	134	15300	43300
3.5	1.1	5.1	2000	2.8	577.5	IE4	**BF70G20-../S4E06LA4**	0.25	0.85	1.7	5.1	6.2	1440	1670	2000	2000	2000	212	16100	47700
3.5	1.1	4.4	2350	2.4	673.6	IE4	**BF70G20-../S4E06LA4**	0.22	0.7	1.4	4.4	5.3	1680	1950	2350	2350	2350	212	16100	47700
3.5	1.1	3.4	3050	1.9	872.1	IE4	**BF70G20-../S4E06LA4**	0.17	0.55	1.1	3.4	4.1	2150	2500	3050	3050	3050	212	16100	47700
3.5	1.1	2.9	3550	1.6	1017	IE4	**BF70G20-../S4E06LA4**	0.14	0.49	0.95	2.9	3.5	2500	2900	3550	3550	3550	212	16100	47700
3.5	1.1	2.1	4850	1.2	1390	IE4	**BF70G20-../S4E06LA4**	0.1	0.35	0.7	2.1	2.5	3450	4000	4850	4850	4850	212	16100	47700
3.5	1.1	1.8	5600	1	1621	IE4	**BF70G20-../S4E06LA4**	0.09	0.3	0.6	1.8	2.2	4050	4700	5600	5600	5600	212	16100	47700
3.5	1.1	1.5	6600	0.85	1912	IE4	**BF70G20-../S4E06LA4**	0.075	0.26	0.5	1.5	1.8	4750	5500	6600	6600	6600	212	16100	47700

MN = 5 Nm (PN = 1.55 kW)



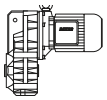
M_N	P_N	n_2	M_2	f_B	i	IE-Classe	Type	Speed range n_2 [1/min] at motor speed n_1 [1/min]					Torque range M_2 [Nm] at motor speed n_1 [1/min]					m	F_{RN}	F_{RV}
[Nm]	[kW]	[1/min]	[Nm]	[--]	[:1]			150	500	1000	3000	3600	150	500	1000	3000	3600	[kg]	[N]	[N]
5	1.55	520	28.5	2.2	5.72	IE5	**BF06-../S5E08MA4**	26	87	174	520	620	28.5	28.5	28.5	28.5	28.5	16	1600	-
5	1.55	390	38	1.8	7.66	IE5	**BF06-../S5E08MA4**	19.5	65	130	390	465	38	38	38	38	38	16	1800	-
5	1.55	325	46	1.5	9.21	IE5	**BF06-../S5E08MA4**	16	54	108	325	390	46	46	46	46	46	16	1900	-
5	1.55	245	60	1.2	12.07	IE5	**BF06-../S5E08MA4**	12	41	82	245	295	60	60	60	60	60	16	2000	-
5	1.55	210	71	1.2	14.21	IE5	**BF06-../S5E08MA4**	10.5	35	70	210	250	71	71	71	71	71	16	2100	-
5	1.55	176	84	1.1	16.99	IE5	**BF06-../S5E08MA4**	8.8	29	58	176	210	84	84	84	84	84	16	2500	-
5	1.55	146	102	0.93	20.42	IE5	**BF06-../S5E08MA4**	7.3	24	48.5	146	176	102	102	102	102	102	16	2700	-
5	1.55	199	75	2.4	15.04	IE5	**BF10-../S5E08MA4**	9.9	33	66	199	235	75	75	75	75	75	27	2800	-
5	1.55	164	91	2.6	18.23	IE5	**BF10-../S5E08MA4**	8.2	27	54	164	197	91	91	91	91	91	27	2900	-
5	1.55	149	100	2.4	20.05	IE5	**BF10-../S5E08MA4**	7.4	24.5	49.5	149	179	100	100	100	100	100	27	3000	-
5	1.55	128	116	2.1	23.28	IE5	**BF10-../S5E08MA4**	6.4	21	42.5	128	154	116	116	116	116	116	27	3200	-
5	1.55	117	128	1.9	25.6	IE5	**BF10-../S5E08MA4**	5.8	19.5	39	117	140	128	128	128	128	128	27	3350	-
5	1.55	105	142	1.7	28.47	IE5	**BF10-../S5E08MA4**	5.2	17.5	35	105	126	142	142	142	142	142	27	3450	-
5	1.55	95	156	1.5	31.31	IE5	**BF10-../S5E08MA4**	4.7	15.5	31.5	95	114	156	156	156	156	156	27	3600	-
5	1.55	82	180	1.3	36.15	IE5	**BF10-../S5E08MA4**	4.1	13.5	27.5	82	99	180	180	180	180	180	27	3800	-
5	1.55	75	198	1.2	39.75	IE5	**BF10-../S5E08MA4**	3.7	12.5	25	75	90	198	198	198	198	198	27	3950	-

MN = 5 Nm (PN = 1.55 kW)



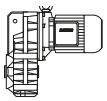
M_N	P_N	n_2	M_2	f_B	i	IE-Classe	Type	Speed range n_2 [1/min] at motor speed n_1 [1/min]					Torque range M_2 [Nm] at motor speed n_1 [1/min]					m	F_{RN}	F_{RV}
[Nm]	[kW]	[1/min]	[Nm]	[--]	[:1]			150	500	1000	3000	3600	150	500	1000	3000	3600	[kg]	[N]	[N]
5	1.55	69	215	1.1	43.06	IE5	**BF10-../S5E08MA4**	3.4	11.5	23	69	83	215	215	215	215	215	27	4100	-
5	1.55	63	235	1	47.35	IE5	**BF10-../S5E08MA4**	3.1	10.5	21	63	76	235	235	235	235	235	27	4250	-
5	1.55	58	255	0.94	51.28	IE5	**BF10-../S5E08MA4**	2.9	9.7	19.5	58	70	255	255	255	255	255	27	4400	-
5	1.55	53	280	0.85	56.39	IE5	**BF10-../S5E08MA4**	2.6	8.8	17.5	53	63	280	280	280	280	280	27	4550	-
5	1.55	108	138	3	27.62	IE5	**BF20-../S5E08MA4**	5.4	18	36	108	130	138	138	138	138	138	33	4150	-
5	1.55	98	152	2.8	30.4	IE5	**BF20-../S5E08MA4**	4.9	16	32.5	98	118	152	152	152	152	152	33	4400	-
5	1.55	92	162	2.6	32.58	IE5	**BF20-../S5E08MA4**	4.6	15	30.5	92	110	162	162	162	162	162	33	4450	-
5	1.55	83	179	2.3	35.85	IE5	**BF20-../S5E08MA4**	4.1	13.5	27.5	83	100	179	179	179	179	179	33	4650	-
5	1.55	71	205	2	41.72	IE5	**BF20-../S5E08MA4**	3.5	11.5	23.5	71	86	205	205	205	205	205	33	4950	-
5	1.55	65	225	1.8	45.9	IE5	**BF20-../S5E08MA4**	3.2	10.5	21.5	65	78	225	225	225	225	225	33	5100	-
5	1.55	61	240	1.7	48.56	IE5	**BF20-../S5E08MA4**	3	10	20.5	61	74	240	240	240	240	240	33	5200	-
5	1.55	56	265	1.6	53.43	IE5	**BF20-../S5E08MA4**	2.8	9.3	18.5	56	67	265	265	265	265	265	33	5500	-
5	1.55	51	290	1.4	58.24	IE5	**BF20-../S5E08MA4**	2.5	8.5	17	51	61	290	290	290	290	290	33	5600	-
5	1.55	46.5	320	1.3	64.08	IE5	**BF20-../S5E08MA4**	2.3	7.8	15.5	46.5	56	320	320	320	320	320	33	5900	-
5	1.55	43	345	1.2	69.7	IE5	**BF20-../S5E08MA4**	2.1	7.1	14	43	51	345	345	345	345	345	33	6100	-
5	1.55	39	380	1.1	76.69	IE5	**BF20-../S5E08MA4**	1.9	6.5	13	39	46.5	380	380	380	380	380	33	6300	-
5	1.55	34	435	0.96	87.31	IE5	**BF20-../S5E08MA4**	1.7	5.7	11	34	41	435	435	435	435	435	33	6600	-
5	1.55	31	480	0.87	96.08	IE5	**BF20-../S5E08MA4**	1.5	5.2	10	31	37	480	480	480	480	480	33	6900	-
5	1.55	29.5	500	0.84	100.2	IE5	**BF20-../S5E08MA4**	1.4	4.9	9.9	29.5	35.5	500	500	500	500	500	33	7000	-
5	1.55	77	192	3	38.49	IE5	**BF30-../S5E08MA4**	3.8	12.5	25.5	77	93	192	192	192	192	192	43	4400	-
5	1.55	73	205	2.8	41.01	IE5	**BF30-../S5E08MA4**	3.6	12	24	73	87	205	205	205	205	205	43	4500	-
5	1.55	66	225	2.5	45.1	IE5	**BF30-../S5E08MA4**	3.3	11	22	66	79	225	225	225	225	225	43	4700	-
5	1.55	57	260	2.2	52.2	IE5	**BF30-../S5E08MA4**	2.8	9.5	19	57	68	260	260	260	260	260	43	5000	-
5	1.55	52	285	2	57.41	IE5	**BF30-../S5E08MA4**	2.6	8.7	17	52	62	285	285	285	285	285	43	5200	-
5	1.55	49	305	1.9	61.17	IE5	**BF30-../S5E08MA4**	2.4	8.1	16	49	58	305	305	305	305	305	43	5300	-
5	1.55	44.5	335	1.7	67.28	IE5	**BF30-../S5E08MA4**	2.2	7.4	14.5	44.5	53	335	335	335	335	335	43	5500	-
5	1.55	41.5	360	1.6	72.13	IE5	**BF30-../S5E08MA4**	2	6.9	13.5	41.5	49.5	360	360	360	360	360	43	5700	-
5	1.55	37.5	395	1.4	79.34	IE5	**BF30-../S5E08MA4**	1.8	6.3	12.5	37.5	45	395	395	395	395	395	43	5900	-
5	1.55	34	435	1.3	87.08	IE5	**BF30-../S5E08MA4**	1.7	5.7	11	34	41	435	435	435	435	435	43	6200	-
5	1.55	31	475	1.2	95.79	IE5	**BF30-../S5E08MA4**	1.5	5.2	10	31	37.5	475	475	475	475	475	43	6400	-
5	1.55	27.5	530	1.1	107.6	IE5	**BF30-../S5E08MA4**	1.3	4.6	9.2	27.5	33	530	530	530	530	530	43	6700	-
5	1.55	25	590	0.96	118.3	IE5	**BF30-../S5E08MA4**	1.2	4.2	8.4	25	30	590	590	590	590	590	43	7000	-
5	1.55	24	620	0.91	124.7	IE5	**BF30-../S5E08MA4**	1.2	4	8	24	28.5	620	620	620	620	620	43	7100	-
5	1.55	21.5	680	0.83	137.1	IE5	**BF30-../S5E08MA4**	1	3.6	7.2	21.5	26	680	680	680	680	680	43	7400	-
5	1.55	48.5	305	2.9	61.25	IE5	**BF40-../S5E08MA4**	2.4	8.1	16	48.5	58	305	305	305	305	305	53	7600	-
5	1.55	44.5	335	2.7	67.38	IE5	**BF40-../S5E08MA4**	2.2	7.4	14.5	44.5	53	335	335	335	335	335	53	8000	-
5	1.55	42	355	2.5	71.4	IE5	**BF40-../S5E08MA4**	2.1	7	14	42	50	355	355	355	355	355	53	8100	-
5	1.55	38	390	2.3	78.55	IE5	**BF40-../S5E08MA4**	1.9	6.3	12.5	38	45.5	390	390	390	390	390	53	8500	-
5	1.55	35.5	415	2.1	83.91	IE5	**BF40-../S5E08MA4**	1.7	5.9	11.5	35.5	42.5	415	415	415	415	415	53	8700	-
5	1.55	32	460	1.9	92.31	IE5	**BF40-../S5E08MA4**	1.6	5.4	10.5	32	38.5	460	460	460	460	460	53	9100	-
5	1.55	29.5	500	1.8	101	IE5	**BF40-../S5E08MA4**	1.4	4.9	9.9	29.5	35.5	500	500	500	500	500	53	9400	-
5	1.55	27	550	1.6	111.1	IE5	**BF40-../S5E08MA4**	1.3	4.5	9	27	32	550	550	550	550	550	53	9800	-
5	1.55	24	620	1.4	124.5	IE5	**BF40-../S5E08MA4**	1.2	4	8	24	28.5	620	620	620	620	620	53	10200	-
5	1.55	21.5	680	1.3	137	IE5	**BF40-../S5E08MA4**	1	3.6	7.2	21.5	26	680	680	680	680	680	53	10600	-
5	1.55	21	700	1.3	141.4	IE5	**BF40Z-../S5E08MA4**	1	3.5	7	21	25	700	700	700	700	700	56	10600	-
5	1.55	19	770	1.2	155.6	IE5	**BF40Z-../S5E08MA4**	0.95	3.2	6.4	19	23	770	770	770	770	770	56	10600	-
5	1.55	17.5	850	1.1	171.2	IE5	**BF40Z-../S5E08MA4**	0.85	2.9	5.8	17.5	21	850	850	850	850	850	56	10600	-
5	1.55	15.5	940	0.96	188.3	IE5	**BF40Z-../S5E08MA4**	0.75	2.6	5.3	15.5	19	940	940	940	940	940	56	10600	-
5	1.55	14.5	1010	0.89	202.2	IE5	**BF40Z-../S5E08MA4**	0.7	2.4	4.9	14.5	17.5	1010	1010	1010	1010	1010	56	10600	-
5	1.55	13	1110	0.81	222.4	IE5	**BF40Z-../S5E08MA4**	0.65	2.2	4.4	13	16	1110	1110	1110	1110	1110	56	10600	-
5	1.55	33	450	2.9	90.24	IE5	**BF50-../S5E08MA4**	1.6	5.5	11	33	39.5	450	450	450	450	450	81	11800	-
5	1.55	29.5	500	2.6	100.9	IE5	**BF50-../S5E08MA4**	1.4	4.9	9.9	29.5	35.5	500	500	500	500	500	81	12300	-
5	1.55	26	570	2.3	114	IE5	**BF50-../S5E08MA4**	1.3	4.3	8.7	26	31.5	570	570	570	570	570	81	12900	-
5	1.55	23.5	630	2	127.5	IE5	**BF50-../S5E08MA4**	1.1	3.9	7.8	23.5	28	630	630	630	630	630	81	13600	-
5	1.55	21.5	690	1.9	138.1	IE5	**BF50Z-../S5E08MA4**	1	3.6	7.2	21.5	26	690	690	690	690	690	86	13600	-
5	1.55	19	770	1.7	154.5	IE5	**BF50Z-../S5E08MA4**	0.95	3.2	6.4	19	23	770	770	770	770	770	86	13600	-
5	1.55	16	910	1.4	183.5	IE5	**BF50Z-../S5E08MA4**	0.8	2.7	5.4	16	19.5	910	910	910	910	910	86	13600	-
5	1.55	14.5	1020	1.3	205.2	IE5	**BF50Z-../S5E08MA4**	0.7	2.4	4.8	14.5	17.5	1020	1020	1020	1020	1020	86	13600	-
5	1.55	12	1230	1.1	247.5	IE5	**BF50Z-../S5E08MA4**	0.6	2	4	12	14.5	1230	1230	1230	1230	1230	86	13600	-
5	1.55	10.5	1380	0.94	276.8	IE5	**BF50Z-../S5E08MA4**	0.5	1.8	3.6	10.5	13	1380	1380	1380	1380	1380	86	13600	-
5	1.55	9.4	1580	0.82	316.6	IE5	**BF50Z-../S5E08MA4**	0.47	1.5	3.1	9.4	11	1580	1580	1580	1580	1580	86	13600	-
5	1.55	17.5	840	2.7	169.2	IE5	**BF60Z-../S5E08MA4**	0.85	2.9	5.9	17.5	21	840	840	840	840	840	130	15300	43300
5	1.55	15.5	930	2.5	187.7	IE5	**BF60Z-../S5E08MA4**	0.75	2.6	5.3	15.5	19	930	930	930	930	930	130	15300	43300
5	1.55	13.5	1100	2.1	221.4	IE5	**BF60Z-../S5E08MA4**	0.65	2.2	4.5	13.5	16	1100	1100	1100	1100	1100	130	15300	43300
5	1.55	12	1220	1.9	245.6	IE5	**BF60Z-../S5E08MA4**	0.6	2	4	12	14.5	1220	1220	1220	1220	1220	130	15300	43300
5	1.55	10	1460	1.6	293.4	IE5	**BF60Z-../S5E08MA4**	0.5	1.7	3.4	10	12	1460	1460	1460	1460	1460	130	15300	43300
5	1.55	9.2	1620	1.4	325.6	IE5	**BF60Z-../S5E08MA4**	0.46	1.5	3	9.2	11	1620	1620	1620	1620	1620	130	15300	43300
5	1.55	7.8	1900	1.2	380	IE5	**BF60Z-../S5E08MA4**	0.39	1.3	2.6	7.8	9.4	1900	1900	1900	1900	1900	130	15300	43300
5	1.55	7.1	2100	1.1	421.6	IE5	**BF60Z-../S5E08MA4**	0.35	1.1	2.3	7.1	8.5	2100	2100	2100	2100	2100	130	15300	43300
5	1.55	6.5	2250	1	459.9	IE5	**BF60Z-../S5E08MA4**	0.32	1	2.1	6.5	7.8	2250	2250	2250	2250	2250	130	15300	43300
5	1.55	5.8	2550	0.9	510.3	IE5	**BF60Z-../S5E08MA4**	0.29	0.95	1.9	5.8	7	2550	2550	2550	2550	2550	130	15300	43300
5	1.55	5.2	2800	0.88	569.3	IE5	**BF60G20-../S5E08MA4**	0.26	0.85	1.7	5.2	6.3	2800	2800	2800	2800	2800	137	15300	43300
5	1.55	8.7	1700	3	341.7	IE5	**BF70Z-../S5E08MA4**	0.43	1.4	2.9	8.7	10.5	1700	1700	1700	1700	1700	218	16100	47700
5	1.55	7.5	1990	2.6	398.7	IE5	**BF70Z-../S5E08MA4**	0.37	1.2	2.5	7.5	9	1990	1990	1990	1990	1990	218	16100	47700
5	1.55	6.8	2150	2.4	439.2	IE5	**BF70Z-../S5E08MA4**	0.34	1.1	2.2	6.8	8.1	2150	2150	2150	2150	2150	218	16100	47700
5	1.55	5.8	2550	2	512.4	IE5	**BF70Z-../S5E08MA4**	0.29	0.95	1.9	5.8	7	2550	2550	2550	2550	2550	218	16100	47700

MN = 5 Nm (PN = 1.55 kW)



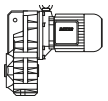
M_N	P_N	n_2	M_2	f_B	i	IE-Classe	Type	Speed range n_2 [1/min] at motor speed n_1 [1/min]					Torque range M_2 [Nm] at motor speed n_1 [1/min]					m	F_{RN}	F_{RV}
[Nm]	[kW]	[1/min]	[Nm]	[--]	[:1]			150	500	1000	3000	3600	150	500	1000	3000	3600	[kg]	[N]	[N]
5	1.55	5.7	2600	2.2	524.1	IE5	**BF70G20-../S5E08MA4**	0.28	0.95	1.9	5.7	6.8	2600	2600	2600	2600	2600	216	16100	47700
5	1.55	5.1	2850	2	577.5	IE5	**BF70G20-../S5E08MA4**	0.25	0.85	1.7	5.1	6.2	2850	2850	2850	2850	2850	216	16100	47700
5	1.55	4.4	3350	1.7	673.6	IE5	**BF70G20-../S5E08MA4**	0.22	0.7	1.4	4.4	5.3	3350	3350	3350	3350	3350	216	16100	47700
5	1.55	3.4	4350	1.3	872.1	IE5	**BF70G20-../S5E08MA4**	0.17	0.55	1.1	3.4	4.1	4350	4350	4350	4350	4350	216	16100	47700
5	1.55	2.9	5000	1.1	1017	IE5	**BF70G20-../S5E08MA4**	0.14	0.49	0.95	2.9	3.5	5000	5000	5000	5000	5000	216	16100	47700
5	1.55	2.1	6900	0.82	1390	IE5	**BF70G20-../S5E08MA4**	0.1	0.35	0.7	2.1	2.5	6900	6900	6900	6900	6900	216	16100	47700
5	1.55	3.8	3850	2.7	770.6	IE5	**BF80Z-../S5E08MA4**	0.19	0.6	1.2	3.8	4.6	3850	3850	3850	3850	3850	334	39600	75000
5	1.55	3.4	4350	2.4	874.6	IE5	**BF80Z-../S5E08MA4**	0.17	0.55	1.1	3.4	4.1	4350	4350	4350	4350	4350	334	39600	75000
5	1.55	3	4950	2.1	990.4	IE5	**BF80Z-../S5E08MA4**	0.15	0.5	1	3	3.6	4950	4950	4950	4950	4950	334	39600	75000
5	1.55	2.6	5600	1.9	1124	IE5	**BF80Z-../S5E08MA4**	0.13	0.44	0.85	2.6	3.2	5600	5600	5600	5600	5600	334	39600	75000
5	1.55	2.2	6600	1.6	1329	IE5	**BF80G40-../S5E08MA4**	0.11	0.37	0.75	2.2	2.7	6600	6600	6600	6600	6600	340	39600	75000
5	1.55	2	7400	1.4	1491	IE5	**BF80G40-../S5E08MA4**	0.1	0.33	0.65	2	2.4	7400	7400	7400	7400	7400	340	39600	75000
5	1.55	1.7	8400	1.2	1693	IE5	**BF80G40-../S5E08MA4**	0.085	0.29	0.55	1.7	2.1	8400	8400	8400	8400	8400	340	39600	75000
5	1.55	1.4	10200	1	2051	IE5	**BF80G40-../S5E08MA4**	0.07	0.24	0.48	1.4	1.7	10200	10200	10200	10200	10200	340	39600	75000
5	1.55	1.2	12100	0.87	2422	IE5	**BF80G40-../S5E08MA4**	0.06	0.2	0.41	1.2	1.4	12100	12100	12100	12100	12100	340	39600	75000
5	1.55	2	7200	2.6	1444	IE5	**BF90G50-../S5E08MA4**	0.1	0.34	0.65	2	2.4	7200	7200	7200	7200	7200	610	42800	120000
5	1.55	1.7	8300	2.2	1678	IE5	**BF90G50-../S5E08MA4**	0.085	0.29	0.55	1.7	2.1	8300	8300	8300	8300	8300	610	42800	120000
5	1.55	1.6	9300	2	1867	IE5	**BF90G50-../S5E08MA4**	0.08	0.26	0.5	1.6	1.9	9300	9300	9300	9300	9300	610	42800	120000
5	1.55	1.3	10700	1.7	2154	IE5	**BF90G50-../S5E08MA4**	0.065	0.23	0.46	1.3	1.6	10700	10700	10700	10700	10700	610	42800	120000
5	1.55	1.1	13200	1.4	2656	IE5	**BF90G50-../S5E08MA4**	0.055	0.18	0.37	1.1	1.3	13200	13200	13200	13200	13200	610	42800	120000
5	1.55	1	14700	1.3	2952	IE5	**BF90G50-../S5E08MA4**	0.05	0.16	0.33	1	1.2	14700	14700	14700	14700	14700	610	42800	120000
5	1.55	0.9	16400	1.1	3286	IE5	**BF90G50-../S5E08MA4**	0.045	0.15	0.3	0.9	1	16400	16400	16400	16400	16400	610	42800	120000
5	1.55	0.8	18200	1	3644	IE5	**BF90G50-../S5E08MA4**	0.041	0.13	0.27	0.8	0.95	18200	18200	18200	18200	18200	610	42800	120000
5	1.55	0.65	21500	0.85	4366	IE5	**BF90G50-../S5E08MA4**	0.034	0.11	0.22	0.65	0.8	21500	21500	21500	21500	21500	610	42800	120000

MN = 7 Nm (PN = 2.2 kW)



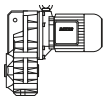
M_N	P_N	n_2	M_2	f_B	i	IE-Classe	Type	Speed range n_2 [1/min] at motor speed n_1 [1/min]					Torque range M_2 [Nm] at motor speed n_1 [1/min]					m	F_{RN}	F_{RV}
[Nm]	[kW]	[1/min]	[Nm]	[--]	[:1]			150	500	1000	3000	3600	150	500	1000	3000	3600	[kg]	[N]	[N]
7	2.2	520	40	1.5	5.72	IE4	**BF06-../S4E08MA4**	26	87	174	520	620	28.5	33.5	40	40	40	16	1600	-
7	2.2	520	40	1.5	5.72	IE5	**BF06-../S5E08LA4**	26	87	174	520	620	37	40	40	40	40	17	1600	-
7	2.2	390	53	1.3	7.66	IE4	**BF06-../S4E08MA4**	19.5	65	130	390	465	38	45	53	53	53	16	1800	-
7	2.2	390	53	1.3	7.66	IE5	**BF06-../S5E08LA4**	19.5	65	130	390	465	49.5	53	53	53	53	17	1800	-
7	2.2	325	64	1.1	9.21	IE4	**BF06-../S4E08MA4**	16	54	108	325	390	46	54	64	64	64	16	1900	-
7	2.2	325	64	1.1	9.21	IE5	**BF06-../S5E08LA4**	16	54	108	325	390	59	64	64	64	64	17	1900	-
7	2.2	245	84	0.89	12.07	IE4	**BF06-../S4E08MA4**	12	41	82	245	295	60	71	84	84	84	16	2000	-
7	2.2	245	84	0.89	12.07	IE5	**BF06-../S5E08LA4**	12	41	82	245	295	78	84	84	84	84	17	2000	-
7	2.2	210	99	0.85	14.21	IE4	**BF06-../S4E08MA4**	10.5	35	70	210	250	71	83	99	99	99	16	2100	-
7	2.2	210	99	0.85	14.21	IE5	**BF06-../S5E08LA4**	10.5	35	70	210	250	92	99	99	99	99	17	2100	-
7	2.2	176	118	0.8	16.99	IE4	**BF06-../S4E08MA4**	8.8	29	58	176	210	84	100	118	118	118	16	2500	-
7	2.2	176	118	0.8	16.99	IE5	**BF06-../S5E08LA4**	8.8	29	58	176	210	110	118	118	118	118	17	2500	-
7	2.2	395	53	2.9	7.58	IE4	**BF10-../S4E08MA4**	19.5	65	131	395	470	37.5	44.5	53	53	53	27	2200	-
7	2.2	395	53	2.9	7.58	IE5	**BF10-../S5E08LA4**	19.5	65	131	395	470	49	53	53	53	53	28	2200	-
7	2.2	305	67	2.6	9.69	IE4	**BF10-../S4E08MA4**	15	51	103	305	370	48	57	67	67	67	27	2350	-
7	2.2	305	67	2.6	9.69	IE5	**BF10-../S5E08LA4**	15	51	103	305	370	62	67	67	67	67	28	2350	-
7	2.2	250	82	2.2	11.84	IE4	**BF10-../S4E08MA4**	12.5	42	84	250	300	59	69	82	82	82	27	2500	-
7	2.2	250	82	2.2	11.84	IE5	**BF10-../S5E08LA4**	12.5	42	84	250	300	76	82	82	82	82	28	2500	-
7	2.2	199	105	1.7	15.04	IE4	**BF10-../S4E08MA4**	9.9	33	66	199	235	75	88	105	105	105	27	2800	-
7	2.2	199	105	1.7	15.04	IE5	**BF10-../S5E08LA4**	9.9	33	66	199	235	97	105	105	105	105	28	2800	-
7	2.2	164	127	1.9	18.23	IE4	**BF10-../S4E08MA4**	8.2	27	54	164	197	91	107	127	127	127	27	2900	-
7	2.2	164	127	1.9	18.23	IE5	**BF10-../S5E08LA4**	8.2	27	54	164	197	118	127	127	127	127	28	2900	-
7	2.2	149	140	1.7	20.05	IE4	**BF10-../S4E08MA4**	7.4	24.5	49.5	149	179	100	118	140	140	140	27	3000	-
7	2.2	149	140	1.7	20.05	IE5	**BF10-../S5E08LA4**	7.4	24.5	49.5	149	179	130	140	140	140	140	28	3000	-
7	2.2	128	162	1.5	23.28	IE4	**BF10-../S4E08MA4**	6.4	21	42.5	128	154	116	137	162	162	162	27	3200	-
7	2.2	128	162	1.5	23.28	IE5	**BF10-../S5E08LA4**	6.4	21	42.5	128	154	151	162	162	162	162	28	3200	-
7	2.2	117	179	1.3	25.6	IE4	**BF10-../S4E08MA4**	5.8	19.5	39	117	140	128	151	179	179	179	27	3350	-
7	2.2	117	179	1.3	25.6	IE5	**BF10-../S5E08LA4**	5.8	19.5	39	117	140	166	179	179	179	179	28	3350	-
7	2.2	105	199	1.2	28.47	IE4	**BF10-../S4E08MA4**	5.2	17.5	35	105	126	142	167	199	199	199	27	3450	-
7	2.2	105	199	1.2	28.47	IE5	**BF10-../S5E08LA4**	5.2	17.5	35	105	126	185	199	199	199	199	28	3450	-
7	2.2	95	215	1.1	31.31	IE4	**BF10-../S4E08MA4**	4.7	15.5	31.5	95	114	156	184	215	215	215	27	3600	-
7	2.2	95	215	1.1	31.31	IE5	**BF10-../S5E08LA4**	4.7	15.5	31.5	95	114	200	215	215	215	215	28	3600	-
7	2.2	82	250	0.95	36.15	IE4	**BF10-../S4E08MA4**	4.1	13.5	27.5	82	99	180	210	250	250	250	27	3800	-
7	2.2	82	250	0.95	36.15	IE5	**BF10-../S5E08LA4**	4.1	13.5	27.5	82	99	230	250	250	250	250	28	3800	-
7	2.2	75	275	0.86	39.75	IE4	**BF10-../S4E08MA4**	3.7	12.5	25	75	90	198	230	275	275	275	27	3950	-
7	2.2	75	275	0.86	39.75	IE5	**BF10-../S5E08LA4**	3.7	12.5	25	75	90	255	275	275	275	275	28	3950	-
7	2.2	69	300	0.8	43.06	IE4	**BF10-../S4E08MA4**	3.4	11.5	23	69	83	215	250	300	300	300	27	4100	-
7	2.2	69	300	0.8	43.06	IE5	**BF10-../S5E08LA4**	3.4	11.5	23	69	83	275	300	300	300	300	28	4100	-
7	2.2	193	108	2.8	15.54	IE4	**BF20-../S4E08MA4**	9.6	32	64	193	230	77	91	108	108	108	33	3450	-
7	2.2	193	108	2.8	15.54	IE5	**BF20-../S5E08LA4**	9.6	32	64	193	230	101	108	108	108	108	35	3450	-
7	2.2	162	129	2.9	18.45	IE4	**BF20-../S4E08MA4**	8.1	27	54	162	195	92	108	129	129	129	33	3600	-
7	2.2	162	129	2.9	18.45	IE5	**BF20-../S5E08LA4**	8.1	27	54	162	195	119	129	129	129	129	35	3600	-
7	2.2	136	154	2.6	22.04	IE4	**BF20-../S4E08MA4**	6.8	22.5	45	136	163	110	130	154	154	154	33	3800	-

MN = 7 Nm (PN = 2.2 kW)



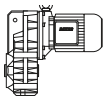
M_N	P_N	n_2	M_2	f_B	i	IE-Classe	Type	Speed range n_2 [1/min] at motor speed n_1 [1/min]					Torque range M_2 [Nm] at motor speed n_1 [1/min]					m	F_{RN}	F_{RV}
[Nm]	[kW]	[1/min]	[Nm]	[--]	[:1]			150	500	1000	3000	3600	150	500	1000	3000	3600	[kg]	[N]	[N]
7	2.2	136	154	2.6	22.04	IE5	**BF20-../S5E08LA4**	6.8	22.5	45	136	163	143	154	154	154	154	35	3800	-
7	2.2	123	169	2.4	24.25	IE4	**BF20-../S4E08MA4**	6.1	20.5	41	123	148	121	143	169	169	169	33	3950	-
7	2.2	123	169	2.4	24.25	IE5	**BF20-../S5E08LA4**	6.1	20.5	41	123	148	157	169	169	169	169	35	3950	-
7	2.2	108	193	2.2	27.62	IE4	**BF20-../S4E08MA4**	5.4	18	36	108	130	138	162	193	193	193	33	4150	-
7	2.2	108	193	2.2	27.62	IE5	**BF20-../S5E08LA4**	5.4	18	36	108	130	179	193	193	193	193	35	4150	-
7	2.2	98	210	2	30.4	IE4	**BF20-../S4E08MA4**	4.9	16	32.5	98	118	152	179	210	210	210	33	4400	-
7	2.2	98	210	2	30.4	IE5	**BF20-../S5E08LA4**	4.9	16	32.5	98	118	197	210	210	210	210	35	4400	-
7	2.2	92	225	1.8	32.58	IE4	**BF20-../S4E08MA4**	4.6	15	30.5	92	110	162	192	225	225	225	33	4450	-
7	2.2	92	225	1.8	32.58	IE5	**BF20-../S5E08LA4**	4.6	15	30.5	92	110	210	225	225	225	225	35	4450	-
7	2.2	83	250	1.7	35.85	IE4	**BF20-../S4E08MA4**	4.1	13.5	27.5	83	100	179	210	250	250	250	33	4650	-
7	2.2	83	250	1.7	35.85	IE5	**BF20-../S5E08LA4**	4.1	13.5	27.5	83	100	230	250	250	250	250	35	4650	-
7	2.2	71	290	1.4	41.72	IE4	**BF20-../S4E08MA4**	3.5	11.5	23.5	71	86	205	245	290	290	290	33	4950	-
7	2.2	71	290	1.4	41.72	IE5	**BF20-../S5E08LA4**	3.5	11.5	23.5	71	86	270	290	290	290	290	35	4950	-
7	2.2	65	320	1.3	45.9	IE4	**BF20-../S4E08MA4**	3.2	10.5	21.5	65	78	225	270	320	320	320	33	5100	-
7	2.2	65	320	1.3	45.9	IE5	**BF20-../S5E08LA4**	3.2	10.5	21.5	65	78	295	320	320	320	320	35	5100	-
7	2.2	61	335	1.2	48.56	IE4	**BF20-../S4E08MA4**	3	10	20.5	61	74	240	285	335	335	335	33	5200	-
7	2.2	61	335	1.2	48.56	IE5	**BF20-../S5E08LA4**	3	10	20.5	61	74	315	335	335	335	335	35	5200	-
7	2.2	56	370	1.1	53.43	IE4	**BF20-../S4E08MA4**	2.8	9.3	18.5	56	67	265	315	370	370	370	33	5500	-
7	2.2	56	370	1.1	53.43	IE5	**BF20-../S5E08LA4**	2.8	9.3	18.5	56	67	345	370	370	370	370	35	5500	-
7	2.2	51	405	1	58.24	IE4	**BF20-../S4E08MA4**	2.5	8.5	17	51	61	290	340	405	405	405	33	5600	-
7	2.2	51	405	1	58.24	IE5	**BF20-../S5E08LA4**	2.5	8.5	17	51	61	375	405	405	405	405	35	5600	-
7	2.2	46.5	445	0.94	64.08	IE4	**BF20-../S4E08MA4**	2.3	7.8	15.5	46.5	56	320	375	445	445	445	33	5900	-
7	2.2	46.5	445	0.94	64.08	IE5	**BF20-../S5E08LA4**	2.3	7.8	15.5	46.5	56	415	445	445	445	445	35	5900	-
7	2.2	43	485	0.86	69.7	IE4	**BF20-../S4E08MA4**	2.1	7.1	14	43	51	345	410	485	485	485	33	6100	-
7	2.2	43	485	0.86	69.7	IE5	**BF20-../S5E08LA4**	2.1	7.1	14	43	51	450	485	485	485	485	35	6100	-
7	2.2	106	197	2.9	28.23	IE4	**BF30-../S4E08MA4**	5.3	17.5	35	106	127	141	166	197	197	197	43	3800	-
7	2.2	106	197	2.9	28.23	IE5	**BF30-../S5E08LA4**	5.3	17.5	35	106	127	183	197	197	197	197	45	3800	-
7	2.2	96	215	2.6	31.05	IE4	**BF30-../S4E08MA4**	4.8	16	32	96	115	155	183	215	215	215	43	4000	-
7	2.2	96	215	2.6	31.05	IE5	**BF30-../S5E08LA4**	4.8	16	32	96	115	200	215	215	215	215	45	4000	-
7	2.2	85	245	2.3	35	IE4	**BF30-../S4E08MA4**	4.2	14	28.5	85	102	175	205	245	245	245	43	4200	-
7	2.2	85	245	2.3	35	IE5	**BF30-../S5E08LA4**	4.2	14	28.5	85	102	225	245	245	245	245	45	4200	-
7	2.2	77	265	2.1	38.49	IE4	**BF30-../S4E08MA4**	3.8	12.5	25.5	77	93	192	225	265	265	265	43	4400	-
7	2.2	77	265	2.1	38.49	IE5	**BF30-../S5E08LA4**	3.8	12.5	25.5	77	93	250	265	265	265	265	45	4400	-
7	2.2	73	285	2	41.01	IE4	**BF30-../S4E08MA4**	3.6	12	24	73	87	205	240	285	285	285	43	4500	-
7	2.2	73	285	2	41.01	IE5	**BF30-../S5E08LA4**	3.6	12	24	73	87	265	285	285	285	285	45	4500	-
7	2.2	66	315	1.8	45.1	IE4	**BF30-../S4E08MA4**	3.3	11	22	66	79	225	265	315	315	315	43	4700	-
7	2.2	66	315	1.8	45.1	IE5	**BF30-../S5E08LA4**	3.3	11	22	66	79	290	315	315	315	315	45	4700	-
7	2.2	57	365	1.6	52.2	IE4	**BF30-../S4E08MA4**	2.8	9.5	19	57	68	260	305	365	365	365	43	5000	-
7	2.2	57	365	1.6	52.2	IE5	**BF30-../S5E08LA4**	2.8	9.5	19	57	68	335	365	365	365	365	45	5000	-
7	2.2	52	400	1.4	57.41	IE4	**BF30-../S4E08MA4**	2.6	8.7	17	52	62	285	335	400	400	400	43	5200	-
7	2.2	52	400	1.4	57.41	IE5	**BF30-../S5E08LA4**	2.6	8.7	17	52	62	370	400	400	400	400	45	5200	-
7	2.2	49	425	1.3	61.17	IE4	**BF30-../S4E08MA4**	2.4	8.1	16	49	58	305	360	425	425	425	43	5300	-
7	2.2	49	425	1.3	61.17	IE5	**BF30-../S5E08LA4**	2.4	8.1	16	49	58	395	425	425	425	425	45	5300	-
7	2.2	44.5	470	1.2	67.28	IE4	**BF30-../S4E08MA4**	2.2	7.4	14.5	44.5	53	335	395	470	470	470	43	5500	-
7	2.2	44.5	470	1.2	67.28	IE5	**BF30-../S5E08LA4**	2.2	7.4	14.5	44.5	53	435	470	470	470	470	45	5500	-
7	2.2	41.5	500	1.1	72.13	IE4	**BF30-../S4E08MA4**	2	6.9	13.5	41.5	49.5	360	425	500	500	500	43	5700	-
7	2.2	41.5	500	1.1	72.13	IE5	**BF30-../S5E08LA4**	2	6.9	13.5	41.5	49.5	465	500	500	500	500	45	5700	-
7	2.2	37.5	550	1	79.34	IE4	**BF30-../S4E08MA4**	1.8	6.3	12.5	37.5	45	395	465	550	550	550	43	5900	-
7	2.2	37.5	550	1	79.34	IE5	**BF30-../S5E08LA4**	1.8	6.3	12.5	37.5	45	510	550	550	550	550	45	5900	-
7	2.2	34	600	0.94	87.08	IE4	**BF30-../S4E08MA4**	1.7	5.7	11	34	41	435	510	600	600	600	43	6200	-
7	2.2	34	600	0.94	87.08	IE5	**BF30-../S5E08LA4**	1.7	5.7	11	34	41	560	600	600	600	600	45	6200	-
7	2.2	31	670	0.85	95.79	IE4	**BF30-../S4E08MA4**	1.5	5.2	10	31	37.5	475	560	670	670	670	43	6400	-
7	2.2	31	670	0.85	95.79	IE5	**BF30-../S5E08LA4**	1.5	5.2	10	31	37.5	620	670	670	670	670	45	6400	-
7	2.2	65	315	2.8	45.56	IE4	**BF40-../S4E08MA4**	3.2	10.5	21.5	65	79	225	265	315	315	315	53	6800	-
7	2.2	65	315	2.8	45.56	IE5	**BF40-../S5E08LA4**	3.2	10.5	21.5	65	79	295	315	315	315	315	54	6800	-
7	2.2	61	340	2.6	48.92	IE4	**BF40-../S4E08MA4**	3	10	20	61	73	240	285	340	340	340	53	7000	-
7	2.2	61	340	2.6	48.92	IE5	**BF40-../S5E08LA4**	3	10	20	61	73	315	340	340	340	340	54	7000	-
7	2.2	55	375	2.4	53.82	IE4	**BF40-../S4E08MA4**	2.7	9.2	18.5	55	66	265	315	375	375	375	53	7200	-
7	2.2	55	375	2.4	53.82	IE5	**BF40-../S5E08LA4**	2.7	9.2	18.5	55	66	345	375	375	375	375	54	7200	-
7	2.2	48.5	425	2.1	61.25	IE4	**BF40-../S4E08MA4**	2.4	8.1	16	48.5	58	305	360	425	425	425	53	7600	-
7	2.2	48.5	425	2.1	61.25	IE5	**BF40-../S5E08LA4**	2.4	8.1	16	48.5	58	395	425	425	425	425	54	7600	-
7	2.2	44.5	470	1.9	67.38	IE4	**BF40-../S4E08MA4**	2.2	7.4	14.5	44.5	53	335	395	470	470	470	53	8000	-
7	2.2	44.5	470	1.9	67.38	IE5	**BF40-../S5E08LA4**	2.2	7.4	14.5	44.5	53	435	470	470	470	470	54	8000	-
7	2.2	42	495	1.8	71.4	IE4	**BF40-../S4E08MA4**	2.1	7	14	42	50	355	420	495	495	495	53	8100	-
7	2.2	42	495	1.8	71.4	IE5	**BF40-../S5E08LA4**	2.1	7	14	42	50	460	495	495	495	495	54	8100	-
7	2.2	38	540	1.6	78.55	IE4	**BF40-../S4E08MA4**	1.9	6.3	12.5	38	45.5	390	460	540	540	540	53	8500	-
7	2.2	38	540	1.6	78.55	IE5	**BF40-../S5E08LA4**	1.9	6.3	12.5	38	45.5	510	540	540	540	540	54	8500	-
7	2.2	35.5	580	1.5	83.91	IE4	**BF40-../S4E08MA4**	1.7	5.9	11.5	35.5	42.5	415	495	580	580	580	53	8700	-
7	2.2	35.5	580	1.5	83.91	IE5	**BF40-../S5E08LA4**	1.7	5.9	11.5	35.5	42.5	540	580	580	580	580	54	8700	-
7	2.2	32	640	1.4	92.31	IE4	**BF40-../S4E08MA4**	1.6	5.4	10.5	32	38.5	460	540	640	640	640	53	9100	-
7	2.2	32	640	1.4	92.31	IE5	**BF40-../S5E08LA4**	1.6	5.4	10.5	32	38.5	600	640	640	640	640	54	9100	-
7	2.2	29.5	700	1.3	101	IE4	**BF40-../S4E08MA4**	1.4	4.9	9.9	29.5	35.5	500	590	700	700	700	53	9400	-
7	2.2	29.5	700	1.3	101	IE5	**BF40-../S5E08LA4**	1.4	4.9	9.9	29.5	35.5	650	700	700	700	700	54	9400	-
7	2.2	27	770	1.2	111.1	IE4	**BF40-../S4E08MA4**	1.3	4.5	9	27	32	550	650	770	770	770	53	9800	-
7	2.2	27	770	1.2	111.1	IE5	**BF40-../S5E08LA4**	1.3	4.5	9	27	32	720	770	770	770	770	54	9800	-
7	2.2	24	870	1	124.5	IE4	**BF40-../S4E08MA4**	1.2	4	8	24	28.5	620	730	870	870	870	53	10200	-
7	2.2	24	870	1	124.5	IE5	**BF40-../S5E08LA4**	1.2	4	8	24	28.5	800	870	870	870	870	54	10200	-
7	2.2	21.5	950	0.94	137	IE4	**BF40-../S4E08MA4**	1	3.6	7.2	21.5	26	680	800	950	950	950	53	10600	-
7	2.2	21.5	950	0.94	137	IE5	**BF40-../S5E08LA4**	1	3.6	7.2	21.5	26	890	950	950	950	950	54	10600	-
7	2.2	21	980	0.91	141.4	IE4	**BF40Z-../S4E08MA4**	1	3.5	7	21	25	700	830	980	980	980	56	10600	-

MN = 7 Nm (PN = 2.2 kW)



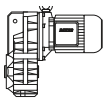
M_N	P_N	n_2	M_2	f_B	i	IE-Classe	Type	Speed range n_2 [1/min] at motor speed n_1 [1/min]					Torque range M_2 [Nm] at motor speed n_1 [1/min]					m	F_{RN}	F_{RV}
[Nm]	[kW]	[1/min]	[Nm]	[--]	[:1]			150	500	1000	3000	3600	150	500	1000	3000	3600	[kg]	[N]	[N]
7	2.2	21	980	0.91	141.4	IE5	**BF40Z-../S5E08LA4**	1	3.5	7	21	25	910	980	980	980	980	58	10600	-
7	2.2	19	1080	0.83	155.6	IE4	**BF40Z-../S4E08MA4**	0.95	3.2	6.4	19	23	770	910	1080	1080	1080	56	10600	-
7	2.2	19	1080	0.83	155.6	IE5	**BF40Z-../S5E08LA4**	0.95	3.2	6.4	19	23	1010	1080	1080	1080	1080	58	10600	-
7	2.2	47	445	2.9	63.59	IE4	**BF50-../S4E08MA4**	2.3	7.8	15.5	47	56	315	375	445	445	445	81	9800	-
7	2.2	47	445	2.9	63.59	IE5	**BF50-../S5E08LA4**	2.3	7.8	15.5	47	56	410	445	445	445	445	83	9800	-
7	2.2	41	500	2.6	72.72	IE4	**BF50-../S4E08MA4**	2	6.8	13.5	41	49.5	360	425	500	500	500	81	10700	-
7	2.2	41	500	2.6	72.72	IE5	**BF50-../S5E08LA4**	2	6.8	13.5	41	49.5	470	500	500	500	500	83	10700	-
7	2.2	36.5	560	2.3	81.33	IE4	**BF50-../S4E08MA4**	1.8	6.1	12	36.5	44	405	475	560	560	560	81	11300	-
7	2.2	36.5	560	2.3	81.33	IE5	**BF50-../S5E08LA4**	1.8	6.1	12	36.5	44	520	560	560	560	560	83	11300	-
7	2.2	33	630	2.1	90.24	IE4	**BF50-../S4E08MA4**	1.6	5.5	11	33	39.5	450	530	630	630	630	81	11800	-
7	2.2	33	630	2.1	90.24	IE5	**BF50-../S5E08LA4**	1.6	5.5	11	33	39.5	580	630	630	630	630	83	11800	-
7	2.2	29.5	700	1.8	100.9	IE4	**BF50-../S4E08MA4**	1.4	4.9	9.9	29.5	35.5	500	590	700	700	700	81	12300	-
7	2.2	29.5	700	1.8	100.9	IE5	**BF50-../S5E08LA4**	1.4	4.9	9.9	29.5	35.5	650	700	700	700	700	83	12300	-
7	2.2	26	790	1.6	114	IE4	**BF50-../S4E08MA4**	1.3	4.3	8.7	26	31.5	570	670	790	790	790	81	12900	-
7	2.2	26	790	1.6	114	IE5	**BF50-../S5E08LA4**	1.3	4.3	8.7	26	31.5	740	790	790	790	790	83	12900	-
7	2.2	23.5	890	1.5	127.5	IE4	**BF50-../S4E08MA4**	1.1	3.9	7.8	23.5	28	630	750	890	890	890	81	13600	-
7	2.2	23.5	890	1.5	127.5	IE5	**BF50-../S5E08LA4**	1.1	3.9	7.8	23.5	28	820	890	890	890	890	83	13600	-
7	2.2	21.5	960	1.3	138.1	IE4	**BF50Z-../S4E08MA4**	1	3.6	7.2	21.5	26	690	810	960	960	960	86	13600	-
7	2.2	21.5	960	1.3	138.1	IE5	**BF50Z-../S5E08LA4**	1	3.6	7.2	21.5	26	890	960	960	960	960	88	13600	-
7	2.2	19	1080	1.2	154.5	IE4	**BF50Z-../S4E08MA4**	0.95	3.2	6.4	19	23	770	910	1080	1080	1080	86	13600	-
7	2.2	19	1080	1.2	154.5	IE5	**BF50Z-../S5E08LA4**	0.95	3.2	6.4	19	23	1000	1080	1080	1080	1080	88	13600	-
7	2.2	16	1280	1	183.5	IE4	**BF50Z-../S4E08MA4**	0.8	2.7	5.4	16	19.5	910	1080	1280	1280	1280	86	13600	-
7	2.2	16	1280	1	183.5	IE5	**BF50Z-../S5E08LA4**	0.8	2.7	5.4	16	19.5	1190	1280	1280	1280	1280	88	13600	-
7	2.2	14.5	1430	0.91	205.2	IE4	**BF50Z-../S4E08MA4**	0.7	2.4	4.8	14.5	17.5	1020	1210	1430	1430	1430	86	13600	-
7	2.2	14.5	1430	0.91	205.2	IE5	**BF50Z-../S5E08LA4**	0.7	2.4	4.8	14.5	17.5	1330	1430	1430	1430	1430	88	13600	-
7	2.2	21	980	2.3	140.8	IE4	**BF60Z-../S4E08MA4**	1	3.5	7.1	21	25.5	700	830	980	980	980	130	15300	43300
7	2.2	21	980	2.3	140.8	IE5	**BF60Z-../S5E08LA4**	1	3.5	7.1	21	25.5	910	980	980	980	980	131	15300	43300
7	2.2	17.5	1180	1.9	169.2	IE4	**BF60Z-../S4E08MA4**	0.85	2.9	5.9	17.5	21	840	990	1180	1180	1180	130	15300	43300
7	2.2	17.5	1180	1.9	169.2	IE5	**BF60Z-../S5E08LA4**	0.85	2.9	5.9	17.5	21	1090	1180	1180	1180	1180	131	15300	43300
7	2.2	15.5	1310	1.8	187.7	IE4	**BF60Z-../S4E08MA4**	0.75	2.6	5.3	15.5	19	930	1100	1310	1310	1310	130	15300	43300
7	2.2	15.5	1310	1.8	187.7	IE5	**BF60Z-../S5E08LA4**	0.75	2.6	5.3	15.5	19	1220	1310	1310	1310	1310	131	15300	43300
7	2.2	13.5	1540	1.5	221.4	IE4	**BF60Z-../S4E08MA4**	0.65	2.2	4.5	13.5	16	1100	1300	1540	1540	1540	130	15300	43300
7	2.2	13.5	1540	1.5	221.4	IE5	**BF60Z-../S5E08LA4**	0.65	2.2	4.5	13.5	16	1430	1540	1540	1540	1540	131	15300	43300
7	2.2	12	1710	1.3	245.6	IE4	**BF60Z-../S4E08MA4**	0.6	2	4	12	14.5	1220	1440	1710	1710	1710	130	15300	43300
7	2.2	12	1710	1.3	245.6	IE5	**BF60Z-../S5E08LA4**	0.6	2	4	12	14.5	1590	1710	1710	1710	1710	131	15300	43300
7	2.2	10	2050	1.1	293.4	IE4	**BF60Z-../S4E08MA4**	0.5	1.7	3.4	10	12	1460	1730	2050	2050	2050	130	15300	43300
7	2.2	10	2050	1.1	293.4	IE5	**BF60Z-../S5E08LA4**	0.5	1.7	3.4	10	12	1900	2050	2050	2050	2050	131	15300	43300
7	2.2	9.2	2250	1	325.6	IE4	**BF60Z-../S4E08MA4**	0.46	1.5	3	9.2	11	1620	1920	2250	2250	2250	130	15300	43300
7	2.2	9.2	2250	1	325.6	IE5	**BF60Z-../S5E08LA4**	0.46	1.5	3	9.2	11	2100	2250	2250	2250	2250	131	15300	43300
7	2.2	7.8	2650	0.86	380	IE4	**BF60Z-../S4E08MA4**	0.39	1.3	2.6	7.8	9.4	1900	2200	2650	2650	2650	130	15300	43300
7	2.2	7.8	2650	0.86	380	IE5	**BF60Z-../S5E08LA4**	0.39	1.3	2.6	7.8	9.4	2450	2650	2650	2650	2650	131	15300	43300
7	2.2	11.5	1810	2.9	258.7	IE4	**BF70Z-../S4E08MA4**	0.55	1.9	3.8	11.5	13.5	1290	1520	1810	1810	1810	218	16100	47700
7	2.2	11.5	1810	2.9	258.7	IE5	**BF70Z-../S5E08LA4**	0.55	1.9	3.8	11.5	13.5	1680	1810	1810	1810	1810	220	16100	47700
7	2.2	9.9	2100	2.5	301.8	IE4	**BF70Z-../S4E08MA4**	0.49	1.6	3.3	9.9	11.5	1500	1780	2100	2100	2100	218	16100	47700
7	2.2	9.9	2100	2.5	301.8	IE5	**BF70Z-../S5E08LA4**	0.49	1.6	3.3	9.9	11.5	1960	2100	2100	2100	2100	220	16100	47700
7	2.2	8.7	2350	2.2	341.7	IE4	**BF70Z-../S4E08MA4**	0.43	1.4	2.9	8.7	10.5	1700	2000	2350	2350	2350	218	16100	47700
7	2.2	8.7	2350	2.2	341.7	IE5	**BF70Z-../S5E08LA4**	0.43	1.4	2.9	8.7	10.5	2200	2350	2350	2350	2350	220	16100	47700
7	2.2	7.5	2750	1.9	398.7	IE4	**BF70Z-../S4E08MA4**	0.37	1.2	2.5	7.5	9	1990	2350	2750	2750	2750	218	16100	47700
7	2.2	7.5	2750	1.9	398.7	IE5	**BF70Z-../S5E08LA4**	0.37	1.2	2.5	7.5	9	2550	2750	2750	2750	2750	220	16100	47700
7	2.2	6.8	3050	1.7	439.2	IE4	**BF70Z-../S4E08MA4**	0.34	1.1	2.2	6.8	8.1	2150	2550	3050	3050	3050	218	16100	47700
7	2.2	6.8	3050	1.7	439.2	IE5	**BF70Z-../S5E08LA4**	0.34	1.1	2.2	6.8	8.1	2850	3050	3050	3050	3050	220	16100	47700
7	2.2	5.8	3550	1.4	512.4	IE4	**BF70Z-../S4E08MA4**	0.29	0.95	1.9	5.8	7	2550	3000	3550	3550	3550	218	16100	47700
7	2.2	5.8	3550	1.4	512.4	IE5	**BF70Z-../S5E08LA4**	0.29	0.95	1.9	5.8	7	3300	3550	3550	3550	3550	220	16100	47700
7	2.2	5.7	3650	1.6	524.1	IE4	**BF70G20-../S4E08MA4**	0.28	0.95	1.9	5.7	6.8	2600	3050	3650	3650	3650	216	16100	47700
7	2.2	5.7	3650	1.6	524.1	IE5	**BF70G20-../S5E08LA4**	0.28	0.95	1.9	5.7	6.8	3400	3650	3650	3650	3650	217	16100	47700
7	2.2	5.1	4000	1.4	577.5	IE4	**BF70G20-../S4E08MA4**	0.25	0.85	1.7	5.1	6.2	2850	3400	4000	4000	4000	216	16100	47700
7	2.2	5.1	4000	1.4	577.5	IE5	**BF70G20-../S5E08LA4**	0.25	0.85	1.7	5.1	6.2	3750	4000	4000	4000	4000	217	16100	47700
7	2.2	4.4	4700	1.2	673.6	IE4	**BF70G20-../S4E08MA4**	0.22	0.7	1.4	4.4	5.3	3350	3950	4700	4700	4700	216	16100	47700
7	2.2	4.4	4700	1.2	673.6	IE5	**BF70G20-../S5E08LA4**	0.22	0.7	1.4	4.4	5.3	4350	4700	4700	4700	4700	217	16100	47700
7	2.2	3.4	6100	0.93	872.1	IE4	**BF70G20-../S4E08MA4**	0.17	0.55	1.1	3.4	4.1	4350	5100	6100	6100	6100	216	16100	47700
7	2.2	3.4	6100	0.93	872.1	IE5	**BF70G20-../S5E08LA4**	0.17	0.55	1.1	3.4	4.1	5600	6100	6100	6100	6100	217	16100	47700
7	2.2	2.9	7100	0.8	1017	IE4	**BF70G20-../S4E08MA4**	0.14	0.49	0.95	2.9	3.5	5000	6000	7100	7100	7100	216	16100	47700
7	2.2	2.9	7100	0.8	1017	IE5	**BF70G20-../S5E08LA4**	0.14	0.49	0.95	2.9	3.5	6600	7100	7100	7100	7100	217	16100	47700
7	2.2	5.8	3550	2.9	511.2	IE4	**BF80Z-../S4E08MA4**	0.29	0.95	1.9	5.8	7	2550	3000	3550	3550	3550	334	39600	75000
7	2.2	5.8	3550	2.9	511.2	IE5	**BF80Z-../S5E08LA4**	0.29	0.95	1.9	5.8	7	3300	3550	3550	3550	3550	336	39600	75000
7	2.2	5.1	4050	2.6	583.4	IE4	**BF80Z-../S4E08MA4**	0.25	0.85	1.7	5.1	6.1	2900	3400	4050	4050	4050	334	39600	75000
7	2.2	5.1	4050	2.6	583.4	IE5	**BF80Z-../S5E08LA4**	0.25	0.85	1.7	5.1	6.1	3750	4050	4050	4050	4050	336	39600	75000
7	2.2	4.5	4600	2.3	662.1	IE4	**BF80Z-../S4E08MA4**	0.22	0.75	1.5	4.5	5.4	3300	3900	4600	4600	4600	334	39600	75000
7	2.2	4.5	4600	2.3	662.1	IE5	**BF80Z-../S5E08LA4**	0.22	0.75	1.5	4.5	5.4	4300	4600	4600	4600	4600	336	39600	75000
7	2.2	3.8	5300	1.9	770.6	IE4	**BF80Z-../S4E08MA4**	0.19	0.6	1.2	3.8	4.6	3850	4500	5300	5300	5300	334	39600	75000
7	2.2	3.8	5300	1.9	770.6	IE5	**BF80Z-../S5E08LA4**	0.19	0.6	1.2	3.8	4.6	5000	5300	5300	5300	5300	336	39600	75000
7	2.2	3.4	6100	1.7	874.6	IE4	**BF80Z-../S4E08MA4**	0.17	0.55	1.1	3.4	4.1	4350	5100	6100	6100	6100	334	39600	75000
7	2.2	3.4	6100	1.7	874.6	IE5	**BF80Z-../S5E08LA4**	0.17	0.55	1.1	3.4	4.1	5600	6100	6100	6100	6100	336	39600	75000
7	2.2	3	6900	1.5	990.4	IE4	**BF80Z-../S4E08MA4**	0.15	0.5	1	3	3.6	4950	5800	6900	6900	6900	334	39600	75000
7	2.2	3	6900	1.5	990.4	IE5	**BF80Z-../S5E08LA4**	0.15	0.5	1	3	3.6	6400	6900	6900	6900	6900	336	39600	75000
7	2.2	2.6	7800	1.3	1124	IE4	**BF80Z-../S4E08MA4**	0.13	0.44	0.85	2.6	3.2	5600	6600	7800	7800	7800	334	39600	75000
7	2.2	2.6	7800	1.3	1124	IE5	**BF80Z-../S5E08LA4**	0.13	0.44	0.85	2.6	3.2	7300	7800	7800	7800	7800	336	39600	75000
7	2.2	2.2	9300	1.1	1329	IE4	**BF80G40-../S4E08MA4**	0.11	0.37	0.75	2.2	2.7	6600	7800	9300	9300	9300	340	39600	75000

MN = 7 Nm (PN = 2.2 kW)



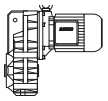
M_N	P_N	n_2	M_2	f_B	i	IE-Classe	Type	Speed range n_2 [1/min] at motor speed n_1 [1/min]					Torque range M_2 [Nm] at motor speed n_1 [1/min]					m	F_{RN}	F_{RV}
[Nm]	[kW]	[1/min]	[Nm]	[--]	[:1]			150	500	1000	3000	3600	150	500	1000	3000	3600	[kg]	[N]	[N]
7	2.2	2.2	9300	1.1	1329	IE5	**BF80G40-../S5E08LA4**	0.11	0.37	0.75	2.2	2.7	8600	9300	9300	9300	9300	341	39600	75000
7	2.2	2	10400	1	1491	IE4	**BF80G40-../S4E08MA4**	0.1	0.33	0.65	2	2.4	7400	8700	10400	10400	10400	340	39600	75000
7	2.2	2	10400	1	1491	IE5	**BF80G40-../S5E08LA4**	0.1	0.33	0.65	2	2.4	9600	10400	10400	10400	10400	341	39600	75000
7	2.2	1.7	11800	0.89	1693	IE4	**BF80G40-../S4E08MA4**	0.085	0.29	0.55	1.7	2.1	8400	9900	11800	11800	11800	340	39600	75000
7	2.2	1.7	11800	0.89	1693	IE5	**BF80G40-../S5E08LA4**	0.085	0.29	0.55	1.7	2.1	11000	11800	11800	11800	11800	341	39600	75000
7	2.2	3	6800	2.7	976.1	IE4	**BF90G50-../S4E08MA4**	0.15	0.5	1	3	3.6	4850	5700	6800	6800	6800	610	42800	120000
7	2.2	3	6800	2.7	976.1	IE5	**BF90G50-../S5E08LA4**	0.15	0.5	1	3	3.6	6300	6800	6800	6800	6800	612	42800	120000
7	2.2	2.8	7300	2.5	1043	IE4	**BF90G50-../S4E08MA4**	0.14	0.47	0.95	2.8	3.4	5200	6100	7300	7300	7300	610	42800	120000
7	2.2	2.8	7300	2.5	1043	IE5	**BF90G50-../S5E08LA4**	0.14	0.47	0.95	2.8	3.4	6700	7300	7300	7300	7300	612	42800	120000
7	2.2	2.4	8400	2.2	1204	IE4	**BF90G50-../S4E08MA4**	0.12	0.41	0.8	2.4	2.9	6000	7100	8400	8400	8400	610	42800	120000
7	2.2	2.4	8400	2.2	1204	IE5	**BF90G50-../S5E08LA4**	0.12	0.41	0.8	2.4	2.9	7800	8400	8400	8400	8400	612	42800	120000
7	2.2	2	10100	1.8	1444	IE4	**BF90G50-../S4E08MA4**	0.1	0.34	0.65	2	2.4	7200	8500	10100	10100	10100	610	42800	120000
7	2.2	2	10100	1.8	1444	IE5	**BF90G50-../S5E08LA4**	0.1	0.34	0.65	2	2.4	9300	10100	10100	10100	10100	612	42800	120000
7	2.2	1.7	11700	1.6	1678	IE4	**BF90G50-../S4E08MA4**	0.085	0.29	0.55	1.7	2.1	8300	9900	11700	11700	11700	610	42800	120000
7	2.2	1.7	11700	1.6	1678	IE5	**BF90G50-../S5E08LA4**	0.085	0.29	0.55	1.7	2.1	10900	11700	11700	11700	11700	612	42800	120000
7	2.2	1.6	13000	1.4	1867	IE4	**BF90G50-../S4E08MA4**	0.08	0.26	0.5	1.6	1.9	9300	11000	13000	13000	13000	610	42800	120000
7	2.2	1.6	13000	1.4	1867	IE5	**BF90G50-../S5E08LA4**	0.08	0.26	0.5	1.6	1.9	12100	13000	13000	13000	13000	612	42800	120000
7	2.2	1.3	15000	1.2	2154	IE4	**BF90G50-../S4E08MA4**	0.065	0.23	0.46	1.3	1.6	10700	12700	15000	15000	15000	610	42800	120000
7	2.2	1.3	15000	1.2	2154	IE5	**BF90G50-../S5E08LA4**	0.065	0.23	0.46	1.3	1.6	14000	15000	15000	15000	15000	612	42800	120000
7	2.2	1.1	18500	1	2656	IE4	**BF90G50-../S4E08MA4**	0.055	0.18	0.37	1.1	1.3	13200	15600	18500	18500	18500	610	42800	120000
7	2.2	1.1	18500	1	2656	IE5	**BF90G50-../S5E08LA4**	0.055	0.18	0.37	1.1	1.3	17200	18500	18500	18500	18500	612	42800	120000
7	2.2	1	20500	0.9	2952	IE4	**BF90G50-../S4E08MA4**	0.05	0.16	0.33	1	1.2	14700	17400	20500	20500	20500	610	42800	120000
7	2.2	1	20500	0.9	2952	IE5	**BF90G50-../S5E08LA4**	0.05	0.16	0.33	1	1.2	19100	20500	20500	20500	20500	612	42800	120000
7	2.2	0.9	23000	0.8	3286	IE4	**BF90G50-../S4E08MA4**	0.045	0.15	0.3	0.9	1	16400	19300	23000	23000	23000	610	42800	120000
7	2.2	0.9	23000	0.8	3286	IE5	**BF90G50-../S5E08LA4**	0.045	0.15	0.3	0.9	1	21000	23000	23000	23000	23000	612	42800	120000

MN = 10 Nm (PN = 3.1 kW)



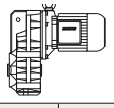
M_N	P_N	n_2	M_2	f_B	i	IE-Classe	Type	Speed range n_2 [1/min] at motor speed n_1 [1/min]					Torque range M_2 [Nm] at motor speed n_1 [1/min]					m	F_{RN}	F_{RV}
[Nm]	[kW]	[1/min]	[Nm]	[--]	[:1]			150	500	1000	3000	3600	150	500	1000	3000	3600	[kg]	[N]	[N]
10	3.1	520	57	1.1	5.72	IE3	**BF06-../SPE08LA4**	26	87	174	520	620	37	45.5	57	57	57	17	1600	-
10	3.1	390	76	0.89	7.66	IE3	**BF06-../SPE08LA4**	19.5	65	130	390	465	49.5	61	76	76	76	17	1800	-
10	3.1	530	56	2.5	5.6	IE3	**BF10-../SPE08LA4**	26.5	89	178	530	640	36	44.5	56	56	56	28	1950	-
10	3.1	395	75	2	7.58	IE3	**BF10-../SPE08LA4**	19.5	65	131	395	470	49	60	75	75	75	28	2200	-
10	3.1	305	96	1.8	9.69	IE3	**BF10-../SPE08LA4**	15	51	103	305	370	62	77	96	96	96	28	2350	-
10	3.1	250	118	1.5	11.84	IE3	**BF10-../SPE08LA4**	12.5	42	84	250	300	76	94	118	118	118	28	2500	-
10	3.1	199	150	1.2	15.04	IE3	**BF10-../SPE08LA4**	9.9	33	66	199	235	97	120	150	150	150	28	2800	-
10	3.1	164	182	1.3	18.23	IE3	**BF10-../SPE08LA4**	8.2	27	54	164	197	118	145	182	182	182	28	2900	-
10	3.1	149	200	1.2	20.05	IE3	**BF10-../SPE08LA4**	7.4	24.5	49.5	149	179	130	160	200	200	200	28	3000	-
10	3.1	128	230	1	23.28	IE3	**BF10-../SPE08LA4**	6.4	21	42.5	128	154	151	186	230	230	230	28	3200	-
10	3.1	117	255	0.94	25.6	IE3	**BF10-../SPE08LA4**	5.8	19.5	39	117	140	166	200	255	255	255	28	3350	-
10	3.1	105	280	0.84	28.47	IE3	**BF10-../SPE08LA4**	5.2	17.5	35	105	126	185	225	280	280	280	28	3450	-
10	3.1	375	80	2.8	8	IE3	**BF20-../SPE08LA4**	18.5	62	125	375	450	52	64	80	80	80	35	2850	-
10	3.1	285	105	2.4	10.51	IE3	**BF20-../SPE08LA4**	14	47.5	95	285	340	68	84	105	105	105	35	3100	-
10	3.1	225	131	2.2	13.18	IE3	**BF20-../SPE08LA4**	11	37.5	75	225	270	85	105	131	131	131	35	3300	-
10	3.1	193	155	2	15.54	IE3	**BF20-../SPE08LA4**	9.6	32	64	193	230	101	124	155	155	155	35	3450	-
10	3.1	178	167	2.1	16.77	IE3	**BF20-../SPE08LA4**	8.9	29.5	59	178	210	109	134	167	167	167	35	3500	-
10	3.1	162	184	2	18.45	IE3	**BF20-../SPE08LA4**	8.1	27	54	162	195	119	147	184	184	184	35	3600	-
10	3.1	136	220	1.8	22.04	IE3	**BF20-../SPE08LA4**	6.8	22.5	45	136	163	143	176	220	220	220	35	3800	-
10	3.1	123	240	1.6	24.25	IE3	**BF20-../SPE08LA4**	6.1	20.5	41	123	148	157	194	240	240	240	35	3950	-
10	3.1	108	275	1.5	27.62	IE3	**BF20-../SPE08LA4**	5.4	18	36	108	130	179	220	275	275	275	35	4150	-
10	3.1	98	300	1.4	30.4	IE3	**BF20-../SPE08LA4**	4.9	16	32.5	98	118	197	240	300	300	300	35	4400	-
10	3.1	92	325	1.3	32.58	IE3	**BF20-../SPE08LA4**	4.6	15	30.5	92	110	210	260	325	325	325	35	4450	-
10	3.1	83	355	1.2	35.85	IE3	**BF20-../SPE08LA4**	4.1	13.5	27.5	83	100	230	285	355	355	355	35	4650	-
10	3.1	71	415	1	41.72	IE3	**BF20-../SPE08LA4**	3.5	11.5	23.5	71	86	270	330	415	415	415	35	4950	-
10	3.1	65	455	0.92	45.9	IE3	**BF20-../SPE08LA4**	3.2	10.5	21.5	65	78	295	365	455	455	455	35	5100	-
10	3.1	61	485	0.86	48.56	IE3	**BF20-../SPE08LA4**	3	10	20.5	61	74	315	385	485	485	485	35	5200	-
10	3.1	230	129	2.8	12.91	IE3	**BF30-../SPE08LA4**	11.5	38.5	77	230	275	83	103	129	129	129	45	3050	-
10	3.1	187	160	2.5	16	IE3	**BF30-../SPE08LA4**	9.3	31	62	187	225	104	128	160	160	160	45	3250	-
10	3.1	169	176	2.7	17.65	IE3	**BF30-../SPE08LA4**	8.4	28	56	169	200	114	141	176	176	176	45	3300	-
10	3.1	154	194	2.6	19.41	IE3	**BF30-../SPE08LA4**	7.7	25.5	51	154	185	126	155	194	194	194	45	3400	-
10	3.1	137	215	2.4	21.85	IE3	**BF30-../SPE08LA4**	6.8	22.5	45.5	137	164	142	174	215	215	215	45	3500	-
10	3.1	124	240	2.3	24.03	IE3	**BF30-../SPE08LA4**	6.2	20.5	41.5	124	149	156	192	240	240	240	45	3600	-
10	3.1	106	280	2	28.23	IE3	**BF30-../SPE08LA4**	5.3	17.5	35	106	127	183	225	280	280	280	45	3800	-
10	3.1	96	310	1.8	31.05	IE3	**BF30-../SPE08LA4**	4.8	16	32	96	115	200	245	310	310	310	45	4000	-
10	3.1	85	350	1.6	35	IE3	**BF30-../SPE08LA4**	4.2	14	28.5	85	102	225	280	350	350	350	45	4200	-
10	3.1	77	380	1.5	38.49	IE3	**BF30-../SPE08LA4**	3.8	12.5	25.5	77	93	250	305	380	380	380	45	4400	-
10	3.1	73	410	1.4	41.01	IE3	**BF30-../SPE08LA4**	3.6	12	24	73	87	265	325	410	410	410	45	4500	-
10	3.1	66	450	1.3	45.1	IE3	**BF30-../SPE08LA4**	3.3	11	22	66	79	290	360	450	450	450	45	4700	-
10	3.1	57	520	1.1	52.2	IE3	**BF30-../SPE08LA4**	2.8	9.5	19	57	68	335	415	520	520	520	45	5000	-
10	3.1	52	570	0.99	57.41	IE3	**BF30-../SPE08LA4**	2.6	8.7	17	52	62	370	455	570	570	570	45	5200	-
10	3.1	49	610	0.93	61.17	IE3	**BF30-../SPE08LA4**	2.4	8.1	16	49	58	395	485	610	610	610	45	5300	-

MN = 10 Nm (PN = 3.1 kW)



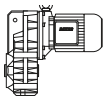
M_N	P_N	n_2	M_2	f_B	i	IE-Classe	Type	Speed range n_2 [1/min] at motor speed n_1 [1/min]					Torque range M_2 [Nm] at motor speed n_1 [1/min]					m	F_{RN}	F_{RV}
[Nm]	[kW]	[1/min]	[Nm]	[--]	[:1]			150	500	1000	3000	3600	150	500	1000	3000	3600	[kg]	[N]	[N]
10	3.1	44.5	670	0.85	67.28	IE3	**BF30-../SPE08LA4**	2.2	7.4	14.5	44.5	53	435	530	670	670	670	45	5500	-
10	3.1	111	265	2.9	26.86	IE3	**BF40-../SPE08LA4**	5.5	18.5	37	111	134	174	210	265	265	265	54	5600	-
10	3.1	101	295	2.7	29.55	IE3	**BF40-../SPE08LA4**	5	16.5	33.5	101	121	192	235	295	295	295	54	5800	-
10	3.1	87	340	2.5	34.21	IE3	**BF40-../SPE08LA4**	4.3	14.5	29	87	105	220	270	340	340	340	54	6000	-
10	3.1	79	375	2.4	37.64	IE3	**BF40-../SPE08LA4**	3.9	13	26.5	79	95	240	300	375	375	375	54	6200	-
10	3.1	72	410	2.2	41.42	IE3	**BF40-../SPE08LA4**	3.6	12	24	72	86	265	330	410	410	410	54	6500	-
10	3.1	65	455	2	45.56	IE3	**BF40-../SPE08LA4**	3.2	10.5	21.5	65	79	295	360	455	455	455	54	6800	-
10	3.1	61	485	1.8	48.92	IE3	**BF40-../SPE08LA4**	3	10	20	61	73	315	390	485	485	485	54	7000	-
10	3.1	55	530	1.7	53.82	IE3	**BF40-../SPE08LA4**	2.7	9.2	18.5	55	66	345	430	530	530	530	54	7200	-
10	3.1	48.5	610	1.5	61.25	IE3	**BF40-../SPE08LA4**	2.4	8.1	16	48.5	58	395	490	610	610	610	54	7600	-
10	3.1	44.5	670	1.3	67.38	IE3	**BF40-../SPE08LA4**	2.2	7.4	14.5	44.5	53	435	530	670	670	670	54	8000	-
10	3.1	42	710	1.3	71.4	IE3	**BF40-../SPE08LA4**	2.1	7	14	42	50	460	570	710	710	710	54	8100	-
10	3.1	38	780	1.1	78.55	IE3	**BF40-../SPE08LA4**	1.9	6.3	12.5	38	45.5	510	620	780	780	780	54	8500	-
10	3.1	35.5	830	1.1	83.91	IE3	**BF40-../SPE08LA4**	1.7	5.9	11.5	35.5	42.5	540	670	830	830	830	54	8700	-
10	3.1	32	920	0.97	92.31	IE3	**BF40-../SPE08LA4**	1.6	5.4	10.5	32	38.5	600	730	920	920	920	54	9100	-
10	3.1	29.5	1010	0.89	101	IE3	**BF40-../SPE08LA4**	1.4	4.9	9.9	29.5	35.5	650	800	1010	1010	1010	54	9400	-
10	3.1	27	1110	0.81	111.1	IE3	**BF40-../SPE08LA4**	1.3	4.5	9	27	32	720	880	1110	1110	1110	54	9800	-
10	3.1	63	470	2.8	47.14	IE3	**BF50-../SPE08LA4**	3.1	10.5	21	63	76	305	375	470	470	470	83	8900	-
10	3.1	52	560	2.3	56.86	IE3	**BF50-../SPE08LA4**	2.6	8.7	17.5	52	63	365	450	560	560	560	83	9300	-
10	3.1	47	630	2	63.59	IE3	**BF50-../SPE08LA4**	2.3	7.8	15.5	47	56	410	500	630	630	630	83	9800	-
10	3.1	41	720	1.8	72.72	IE3	**BF50-../SPE08LA4**	2	6.8	13.5	41	49.5	470	580	720	720	720	83	10700	-
10	3.1	36.5	810	1.6	81.33	IE3	**BF50-../SPE08LA4**	1.8	6.1	12	36.5	44	520	650	810	810	810	83	11300	-
10	3.1	33	900	1.4	90.24	IE3	**BF50-../SPE08LA4**	1.6	5.5	11	33	39.5	580	720	900	900	900	83	11800	-
10	3.1	29.5	1000	1.3	100.9	IE3	**BF50-../SPE08LA4**	1.4	4.9	9.9	29.5	35.5	650	800	1000	1000	1000	83	12300	-
10	3.1	26	1140	1.1	114	IE3	**BF50-../SPE08LA4**	1.3	4.3	8.7	26	31.5	740	910	1140	1140	1140	83	12900	-
10	3.1	23.5	1270	1	127.5	IE3	**BF50-../SPE08LA4**	1.1	3.9	7.8	23.5	28	820	1020	1270	1270	1270	83	13600	-
10	3.1	21.5	1380	0.94	138.1	IE3	**BF50Z-../SPE08LA4**	1	3.6	7.2	21.5	26	890	1100	1380	1380	1380	88	13600	-
10	3.1	19	1540	0.84	154.5	IE3	**BF50Z-../SPE08LA4**	0.95	3.2	6.4	19	23	1000	1230	1540	1540	1540	88	13600	-
10	3.1	21	1400	1.6	140.8	IE3	**BF60Z-../SPE08LA4**	1	3.5	7.1	21	25.5	910	1120	1400	1400	1400	131	15300	43300
10	3.1	17.5	1690	1.4	169.2	IE3	**BF60Z-../SPE08LA4**	0.85	2.9	5.9	17.5	21	1090	1350	1690	1690	1690	131	15300	43300
10	3.1	15.5	1870	1.2	187.7	IE3	**BF60Z-../SPE08LA4**	0.75	2.6	5.3	15.5	19	1220	1500	1870	1870	1870	131	15300	43300
10	3.1	13.5	2200	1	221.4	IE3	**BF60Z-../SPE08LA4**	0.65	2.2	4.5	13.5	16	1430	1770	2200	2200	2200	131	15300	43300
10	3.1	12	2450	0.94	245.6	IE3	**BF60Z-../SPE08LA4**	0.6	2	4	12	14.5	1590	1960	2450	2450	2450	131	15300	43300
10	3.1	16.5	1790	2.9	179.7	IE3	**BF70Z-../SPE08LA4**	0.8	2.7	5.5	16.5	20	1160	1430	1790	1790	1790	220	16100	47700
10	3.1	15	1990	2.6	199.7	IE3	**BF70Z-../SPE08LA4**	0.75	2.5	5	15	18	1290	1590	1990	1990	1990	220	16100	47700
10	3.1	12.5	2300	2.2	233	IE3	**BF70Z-../SPE08LA4**	0.6	2.1	4.2	12.5	15	1510	1860	2300	2300	2300	220	16100	47700
10	3.1	11.5	2550	2	258.7	IE3	**BF70Z-../SPE08LA4**	0.55	1.9	3.8	11.5	13.5	1680	2050	2550	2550	2550	220	16100	47700
10	3.1	9.9	3000	1.7	301.8	IE3	**BF70Z-../SPE08LA4**	0.49	1.6	3.3	9.9	11.5	1960	2400	3000	3000	3000	220	16100	47700
10	3.1	8.7	3400	1.5	341.7	IE3	**BF70Z-../SPE08LA4**	0.43	1.4	2.9	8.7	10.5	2200	2700	3400	3400	3400	220	16100	47700
10	3.1	7.5	3950	1.3	398.7	IE3	**BF70Z-../SPE08LA4**	0.37	1.2	2.5	7.5	9	2550	3150	3950	3950	3950	220	16100	47700
10	3.1	6.8	4350	1.2	439.2	IE3	**BF70Z-../SPE08LA4**	0.34	1.1	2.2	6.8	8.1	2850	3500	4350	4350	4350	220	16100	47700
10	3.1	5.8	5100	1	512.4	IE3	**BF70Z-../SPE08LA4**	0.29	0.95	1.9	5.8	7	3300	4050	5100	5100	5100	220	16100	47700
10	3.1	5.7	5200	1.1	524.1	IE3	**BF70G20-../SPE08LA4**	0.28	0.95	1.9	5.7	6.8	3400	4150	5200	5200	5200	217	16100	47700
10	3.1	5.1	5700	0.99	577.5	IE3	**BF70G20-../SPE08LA4**	0.25	0.85	1.7	5.1	6.2	3750	4600	5700	5700	5700	217	16100	47700
10	3.1	4.4	6700	0.85	673.6	IE3	**BF70G20-../SPE08LA4**	0.22	0.7	1.4	4.4	5.3	4350	5300	6700	6700	6700	217	16100	47700
10	3.1	8.6	3450	3	347.3	IE3	**BF80Z-../SPE08LA4**	0.43	1.4	2.8	8.6	10	2250	2750	3450	3450	3450	336	39600	75000
10	3.1	7.6	3900	2.7	394.2	IE3	**BF80Z-../SPE08LA4**	0.38	1.2	2.5	7.6	9.1	2550	3150	3900	3900	3900	336	39600	75000
10	3.1	6.6	4500	2.3	450.4	IE3	**BF80Z-../SPE08LA4**	0.33	1.1	2.2	6.6	7.9	2900	3600	4500	4500	4500	336	39600	75000
10	3.1	5.8	5100	2.1	511.2	IE3	**BF80Z-../SPE08LA4**	0.29	0.95	1.9	5.8	7	3300	4050	5100	5100	5100	336	39600	75000
10	3.1	5.1	5800	1.8	583.4	IE3	**BF80Z-../SPE08LA4**	0.25	0.85	1.7	5.1	6.1	3750	4650	5800	5800	5800	336	39600	75000
10	3.1	4.5	6600	1.6	662.1	IE3	**BF80Z-../SPE08LA4**	0.22	0.75	1.5	4.5	5.4	4300	5200	6600	6600	6600	336	39600	75000
10	3.1	3.8	7700	1.4	770.6	IE3	**BF80Z-../SPE08LA4**	0.19	0.6	1.2	3.8	4.6	5000	6100	7700	7700	7700	336	39600	75000
10	3.1	3.4	8700	1.2	874.6	IE3	**BF80Z-../SPE08LA4**	0.17	0.55	1.1	3.4	4.1	5600	6900	8700	8700	8700	336	39600	75000
10	3.1	3	9900	1.1	990.4	IE3	**BF80Z-../SPE08LA4**	0.15	0.5	1	3	3.6	6400	7900	9900	9900	9900	336	39600	75000
10	3.1	2.6	11200	0.93	1124	IE3	**BF80Z-../SPE08LA4**	0.13	0.44	0.85	2.6	3.2	7300	8900	11200	11200	11200	336	39600	75000
10	3.1	3	9700	1.9	976.1	IE3	**BF90G50-../SPE08LA4**	0.15	0.5	1	3	3.6	6300	7800	9700	9700	9700	612	42800	120000
10	3.1	2.8	10400	1.8	1043	IE3	**BF90G50-../SPE08LA4**	0.14	0.47	0.95	2.8	3.4	6700	8300	10400	10400	10400	612	42800	120000
10	3.1	2.4	12000	1.5	1204	IE3	**BF90G50-../SPE08LA4**	0.12	0.41	0.8	2.4	2.9	7800	9600	12000	12000	12000	612	42800	120000
10	3.1	2	14400	1.3	1444	IE3	**BF90G50-../SPE08LA4**	0.1	0.34	0.65	2	2.4	9300	11500	14400	14400	14400	612	42800	120000
10	3.1	1.7	16700	1.1	1678	IE3	**BF90G50-../SPE08LA4**	0.085	0.29	0.55	1.7	2.1	10900	13400	16700	16700	16700	612	42800	120000
10	3.1	1.6	18600	0.99	1867	IE3	**BF90G50-../SPE08LA4**	0.08	0.26	0.5	1.6	1.9	12100	14900	18600	18600	18600	612	42800	120000
10	3.1	1.3	21500	0.86	2154	IE3	**BF90G50-../SPE08LA4**	0.065	0.23	0.46	1.3	1.6	14000	17200	21500	21500	21500	612	42800	120000

MN = 13 Nm (PN = 4 kW)



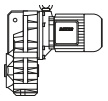
M_N	P_N	n_2	M_2	f_B	i	IE-Classe	Type	Speed range n_2 [1/min] at motor speed n_1 [1/min]					Torque range M_2 [Nm] at motor speed n_1 [1/min]					m	F_{RN}	F_{RV}
[Nm]	[kW]	[1/min]	[Nm]	[--]	[:1]			150	500	1000	3000	3600	150	500	1000	3000	3600	[kg]	[N]	[N]
13	4	530	72	1.9	5.6	IE4	**BF10-../S4E09SA4**	26.5	89	178	530	640	47.5	56	72	72	72	32	1950	-
13	4	395	98	1.6	7.58	IE4	**BF10-../S4E09SA4**	19.5	65	131	395	470	64	75	98	98	98	32	2200	-
13	4	305	125	1.4	9.69	IE4	**BF10-../S4E09SA4**	15	51	103	305	370	82	96	125	125	125	32	2350	-

MN = 13 Nm (PN = 4 kW)



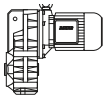
M_N	P_N	n_2	M_2	f_B	i	IE-Classe	Type	Speed range n_2 [1/min] at motor speed n_1 [1/min]					Torque range M_2 [Nm] at motor speed n_1 [1/min]					m	F_{RN}	F_{RV}
[Nm]	[kW]	[1/min]	[Nm]	[--]	[:1]			150	500	1000	3000	3600	150	500	1000	3000	3600	[kg]	[N]	[N]
13	4	250	153	1.2	11.84	IE4	**BF10-../S4E09SA4**	12.5	42	84	250	300	100	118	153	153	153	32	2500	-
13	4	199	195	0.94	15.04	IE4	**BF10-../S4E09SA4**	9.9	33	66	199	235	127	150	195	195	195	32	2800	-
13	4	164	235	1	18.23	IE4	**BF10-../S4E09SA4**	8.2	27	54	164	197	154	182	235	235	235	32	2900	-
13	4	149	260	0.92	20.05	IE4	**BF10-../S4E09SA4**	7.4	24.5	49.5	149	179	170	200	260	260	260	32	3000	-
13	4	495	78	2.5	6.04	IE4	**BF20-../S4E09SA4**	24.5	82	165	495	590	51	60	78	78	78	38	2550	-
13	4	375	104	2.1	8	IE4	**BF20-../S4E09SA4**	18.5	62	125	375	450	68	80	104	104	104	38	2850	-
13	4	285	136	1.9	10.51	IE4	**BF20-../S4E09SA4**	14	47.5	95	285	340	89	105	136	136	136	38	3100	-
13	4	225	171	1.7	13.18	IE4	**BF20-../S4E09SA4**	11	37.5	75	225	270	112	131	171	171	171	38	3300	-
13	4	193	200	1.5	15.54	IE4	**BF20-../S4E09SA4**	9.6	32	64	193	230	132	155	200	200	200	38	3450	-
13	4	178	215	1.7	16.77	IE4	**BF20-../S4E09SA4**	8.9	29.5	59	178	210	142	167	215	215	215	38	3500	-
13	4	162	235	1.5	18.45	IE4	**BF20-../S4E09SA4**	8.1	27	54	162	195	156	184	235	235	235	38	3600	-
13	4	136	285	1.4	22.04	IE4	**BF20-../S4E09SA4**	6.8	22.5	45	136	163	187	220	285	285	285	38	3800	-
13	4	123	315	1.3	24.25	IE4	**BF20-../S4E09SA4**	6.1	20.5	41	123	148	205	240	315	315	315	38	3950	-
13	4	108	355	1.2	27.62	IE4	**BF20-../S4E09SA4**	5.4	18	36	108	130	230	275	355	355	355	38	4150	-
13	4	98	395	1.1	30.4	IE4	**BF20-../S4E09SA4**	4.9	16	32.5	98	118	255	300	395	395	395	38	4400	-
13	4	92	420	0.99	32.58	IE4	**BF20-../S4E09SA4**	4.6	15	30.5	92	110	275	325	420	420	420	38	4450	-
13	4	83	465	0.9	35.85	IE4	**BF20-../S4E09SA4**	4.1	13.5	27.5	83	100	300	355	465	465	465	38	4650	-
13	4	370	104	2.7	8.07	IE4	**BF30-../S4E09SA4**	18.5	61	123	370	445	68	80	104	104	104	49	2650	-
13	4	300	129	2.5	9.99	IE4	**BF30-../S4E09SA4**	15	50	100	300	360	84	99	129	129	129	49	2850	-
13	4	230	167	2.2	12.91	IE4	**BF30-../S4E09SA4**	11.5	38.5	77	230	275	109	129	167	167	167	49	3050	-
13	4	187	205	1.9	16	IE4	**BF30-../S4E09SA4**	9.3	31	62	187	225	136	160	205	205	205	49	3250	-
13	4	169	225	2.1	17.65	IE4	**BF30-../S4E09SA4**	8.4	28	56	169	200	150	176	225	225	225	49	3300	-
13	4	154	250	2	19.41	IE4	**BF30-../S4E09SA4**	7.7	25.5	51	154	185	164	194	250	250	250	49	3400	-
13	4	137	280	1.8	21.85	IE4	**BF30-../S4E09SA4**	6.8	22.5	45.5	137	164	185	215	280	280	280	49	3500	-
13	4	124	310	1.8	24.03	IE4	**BF30-../S4E09SA4**	6.2	20.5	41.5	124	149	200	240	310	310	310	49	3600	-
13	4	106	365	1.6	28.23	IE4	**BF30-../S4E09SA4**	5.3	17.5	35	106	127	235	280	365	365	365	49	3800	-
13	4	96	400	1.4	31.05	IE4	**BF30-../S4E09SA4**	4.8	16	32	96	115	260	310	400	400	400	49	4000	-
13	4	85	455	1.3	35	IE4	**BF30-../S4E09SA4**	4.2	14	28.5	85	102	295	350	455	455	455	49	4200	-
13	4	77	500	1.1	38.49	IE4	**BF30-../S4E09SA4**	3.8	12.5	25.5	77	93	325	380	500	500	500	49	4400	-
13	4	73	530	1.1	41.01	IE4	**BF30-../S4E09SA4**	3.6	12	24	73	87	345	410	530	530	530	49	4500	-
13	4	66	580	0.97	45.1	IE4	**BF30-../S4E09SA4**	3.3	11	22	66	79	380	450	580	580	580	49	4700	-
13	4	57	670	0.84	52.2	IE4	**BF30-../S4E09SA4**	2.8	9.5	19	57	68	440	520	670	670	670	49	5000	-
13	4	250	153	3	11.79	IE4	**BF40-../S4E09SA4**	12.5	42	84	250	305	100	117	153	153	153	58	4450	-
13	4	199	195	2.7	15.02	IE4	**BF40-../S4E09SA4**	9.9	33	66	199	235	127	150	195	195	195	58	4800	-
13	4	172	225	2.8	17.35	IE4	**BF40-../S4E09SA4**	8.6	28.5	57	172	205	147	173	225	225	225	58	4950	-
13	4	157	245	2.7	19.09	IE4	**BF40-../S4E09SA4**	7.8	26	52	157	188	162	190	245	245	245	58	5100	-
13	4	138	280	2.5	21.6	IE4	**BF40-../S4E09SA4**	6.9	23	46	138	166	183	215	280	280	280	58	5200	-
13	4	126	305	2.4	23.77	IE4	**BF40-../S4E09SA4**	6.3	21	42	126	151	200	235	305	305	305	58	5400	-
13	4	111	345	2.2	26.86	IE4	**BF40-../S4E09SA4**	5.5	18.5	37	111	134	225	265	345	345	345	58	5600	-
13	4	101	380	2.1	29.55	IE4	**BF40-../S4E09SA4**	5	16.5	33.5	101	121	250	295	380	380	380	58	5800	-
13	4	87	440	1.9	34.21	IE4	**BF40-../S4E09SA4**	4.3	14.5	29	87	105	290	340	440	440	440	58	6000	-
13	4	79	485	1.8	37.64	IE4	**BF40-../S4E09SA4**	3.9	13	26.5	79	95	315	375	485	485	485	58	6200	-
13	4	72	530	1.7	41.42	IE4	**BF40-../S4E09SA4**	3.6	12	24	72	86	350	410	530	530	530	58	6500	-
13	4	65	590	1.5	45.56	IE4	**BF40-../S4E09SA4**	3.2	10.5	21.5	65	79	385	455	590	590	590	58	6800	-
13	4	61	630	1.4	48.92	IE4	**BF40-../S4E09SA4**	3	10	20	61	73	415	485	630	630	630	58	7000	-
13	4	55	690	1.3	53.82	IE4	**BF40-../S4E09SA4**	2.7	9.2	18.5	55	66	455	530	690	690	690	58	7200	-
13	4	48.5	790	1.1	61.25	IE4	**BF40-../S4E09SA4**	2.4	8.1	16	48.5	58	520	610	790	790	790	58	7600	-
13	4	44.5	870	1	67.38	IE4	**BF40-../S4E09SA4**	2.2	7.4	14.5	44.5	53	570	670	870	870	870	58	8000	-
13	4	42	920	0.97	71.4	IE4	**BF40-../S4E09SA4**	2.1	7	14	42	50	600	710	920	920	920	58	8100	-
13	4	38	1020	0.88	78.55	IE4	**BF40-../S4E09SA4**	1.9	6.3	12.5	38	45.5	660	780	1020	1020	1020	58	8500	-
13	4	35.5	1090	0.83	83.91	IE4	**BF40-../S4E09SA4**	1.7	5.9	11.5	35.5	42.5	710	830	1090	1090	1090	58	8700	-
13	4	84	460	2.8	35.49	IE4	**BF50-../S4E09SA4**	4.2	14	28	84	101	300	350	460	460	460	86	7800	-
13	4	71	540	2.4	42.15	IE4	**BF50-../S4E09SA4**	3.5	11.5	23.5	71	85	355	420	540	540	540	86	8500	-
13	4	63	610	2.1	47.14	IE4	**BF50-../S4E09SA4**	3.1	10.5	21	63	76	400	470	610	610	610	86	8900	-
13	4	52	730	1.8	56.86	IE4	**BF50-../S4E09SA4**	2.6	8.7	17.5	52	63	480	560	730	730	730	86	9300	-
13	4	47	820	1.6	63.59	IE4	**BF50-../S4E09SA4**	2.3	7.8	15.5	47	56	540	630	820	820	820	86	9800	-
13	4	41	940	1.4	72.72	IE4	**BF50-../S4E09SA4**	2	6.8	13.5	41	49.5	610	720	940	940	940	86	10700	-
13	4	36.5	1050	1.2	81.33	IE4	**BF50-../S4E09SA4**	1.8	6.1	12	36.5	44	690	810	1050	1050	1050	86	11300	-
13	4	33	1170	1.1	90.24	IE4	**BF50-../S4E09SA4**	1.6	5.5	11	33	39.5	760	900	1170	1170	1170	86	11800	-
13	4	29.5	1310	0.99	100.9	IE4	**BF50-../S4E09SA4**	1.4	4.9	9.9	29.5	35.5	850	1000	1310	1310	1310	86	12300	-
13	4	26	1480	0.88	114	IE4	**BF50-../S4E09SA4**	1.3	4.3	8.7	26	31.5	960	1140	1480	1480	1480	86	12900	-
13	4	49.5	780	2.9	60.4	IE4	**BF60-../S4E09SA4**	2.4	8.2	16.5	49.5	59	510	600	780	780	780	116	11100	31400
13	4	41.5	930	2.5	72.15	IE4	**BF60-../S4E09SA4**	2	6.9	13.5	41.5	49.5	610	720	930	930	930	116	12000	34000
13	4	37	1040	2.2	80.05	IE4	**BF60-../S4E09SA4**	1.8	6.2	12	37	44.5	680	800	1040	1040	1040	116	12600	35600
13	4	32	1210	1.9	93.44	IE4	**BF60-../S4E09SA4**	1.6	5.3	10.5	32	38.5	790	930	1210	1210	1210	116	13500	38200
13	4	28.5	1340	1.7	103.7	IE4	**BF60-../S4E09SA4**	1.4	4.8	9.6	28.5	34.5	880	1030	1340	1340	1340	116	14100	39900
13	4	26.5	1470	1.6	113.1	IE4	**BF60-../S4E09SA4**	1.3	4.4	8.8	26.5	31.5	960	1130	1470	1470	1470	116	14600	41300
13	4	23.5	1630	1.4	125.5	IE4	**BF60-../S4E09SA4**	1.1	3.9	7.9	23.5	28.5	1060	1250	1630	1630	1630	116	15300	43300
13	4	21	1830	1.3	140.8	IE4	**BF60Z-../S4E09SA4**	1	3.5	7.1	21	25.5	1190	1400	1830	1830	1830	135	15300	43300
13	4	17.5	2150	1	169.2	IE4	**BF60Z-../S4E09SA4**	0.85	2.9	5.9	17.5	21	1430	1690	2150	2150	2150	135	15300	43300
13	4	15.5	2400	0.94	187.7	IE4	**BF60Z-../S4E09SA4**	0.75	2.6	5.3	15.5	19	1590	1870	2400	2400	2400	135	15300	43300
13	4	13.5	2850	0.8	221.4	IE4	**BF60Z-../S4E09SA4**	0.65	2.2	4.5	13.5	16	1880	2200	2850	2850	2850	135	15300	43300
13	4	22.5	1720	3	133	IE4	**BF70Z-../S4E09SA4**	1.1	3.7	7.5	22.5	27	1130	1330	1720	1720	1720	223	16100	47700
13	4	19	2000	2.6	154	IE4	**BF70Z-../S4E09SA4**	0.95	3.2	6.4	19	23	1300	1540	2000	2000	2000	223	16100	47700
13	4	16.5	2300	2.2	179.7	IE4	**BF70Z-../S4E09SA4**	0.8	2.7	5.5	16.5	20	1520	1790	2300	2300	2300	223	16100	47700
13	4	15	2550	2	199.7	IE4	**BF70Z-../S4E09SA4**	0.75	2.5	5	15	18	1690	1990	2550	2550	2550	223	16100	47700

MN = 13 Nm (PN = 4 kW)



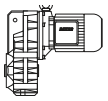
M_N	P_N	n_2	M_2	f_B	i	IE-Classe	Type	Speed range n_2 [1/min] at motor speed n_1 [1/min]					Torque range M_2 [Nm] at motor speed n_1 [1/min]					m	F_{RN}	F_{RV}
[Nm]	[kW]	[1/min]	[Nm]	[--]	[:1]			150	500	1000	3000	3600	150	500	1000	3000	3600	[kg]	[N]	[N]
13	4	12.5	3000	1.7	233	IE4	**BF70Z-../S4E09SA4**	0.6	2.1	4.2	12.5	15	1980	2300	3000	3000	3000	223	16100	47700
13	4	11.5	3350	1.5	258.7	IE4	**BF70Z-../S4E09SA4**	0.55	1.9	3.8	11.5	13.5	2150	2550	3350	3350	3350	223	16100	47700
13	4	9.9	3900	1.3	301.8	IE4	**BF70Z-../S4E09SA4**	0.49	1.6	3.3	9.9	11.5	2550	3000	3900	3900	3900	223	16100	47700
13	4	8.7	4400	1.2	341.7	IE4	**BF70Z-../S4E09SA4**	0.43	1.4	2.9	8.7	10.5	2900	3400	4400	4400	4400	223	16100	47700
13	4	7.5	5100	1	398.7	IE4	**BF70Z-../S4E09SA4**	0.37	1.2	2.5	7.5	9	3350	3950	5100	5100	5100	223	16100	47700
13	4	6.8	5700	0.91	439.2	IE4	**BF70Z-../S4E09SA4**	0.34	1.1	2.2	6.8	8.1	3700	4350	5700	5700	5700	223	16100	47700
13	4	5.7	6800	0.84	524.1	IE4	**BF70G20-../S4E09SA4**	0.28	0.95	1.9	5.7	6.8	4450	5200	6800	6800	6800	221	16100	47700
13	4	11	3450	2.7	269.1	IE4	**BF80-../S4E09SA4**	0.55	1.8	3.7	11	13	2250	2650	3450	3450	3450	299	39600	75000
13	4	10	3750	2.8	291.7	IE4	**BF80Z-../S4E09SA4**	0.5	1.7	3.4	10	12	2450	2900	3750	3750	3750	340	39600	75000
13	4	8.6	4500	2.3	347.3	IE4	**BF80Z-../S4E09SA4**	0.43	1.4	2.8	8.6	10	2950	3450	4500	4500	4500	340	39600	75000
13	4	7.6	5100	2	394.2	IE4	**BF80Z-../S4E09SA4**	0.38	1.2	2.5	7.6	9.1	3350	3900	5100	5100	5100	340	39600	75000
13	4	6.6	5800	1.8	450.4	IE4	**BF80Z-../S4E09SA4**	0.33	1.1	2.2	6.6	7.9	3800	4500	5800	5800	5800	340	39600	75000
13	4	5.8	6600	1.6	511.2	IE4	**BF80Z-../S4E09SA4**	0.29	0.95	1.9	5.8	7	4300	5100	6600	6600	6600	340	39600	75000
13	4	5.1	7500	1.4	583.4	IE4	**BF80Z-../S4E09SA4**	0.25	0.85	1.7	5.1	6.1	4950	5800	7500	7500	7500	340	39600	75000
13	4	4.5	8600	1.2	662.1	IE4	**BF80Z-../S4E09SA4**	0.22	0.75	1.5	4.5	5.4	5600	6600	8600	8600	8600	340	39600	75000
13	4	3.8	10000	1	770.6	IE4	**BF80Z-../S4E09SA4**	0.19	0.6	1.2	3.8	4.6	6500	7700	10000	10000	10000	340	39600	75000
13	4	3.4	11300	0.92	874.6	IE4	**BF80Z-../S4E09SA4**	0.17	0.55	1.1	3.4	4.1	7400	8700	11300	11300	11300	340	39600	75000
13	4	3	12800	0.82	990.4	IE4	**BF80Z-../S4E09SA4**	0.15	0.5	1	3	3.6	8400	9900	12800	12800	12800	340	39600	75000
13	4	5.8	6600	2.8	508.5	IE4	**BF90Z-../S4E09SA4**	0.29	0.95	1.9	5.8	7	4300	5000	6600	6600	6600	604	42800	120000
13	4	5	7600	2.4	591.1	IE4	**BF90Z-../S4E09SA4**	0.25	0.8	1.6	5	6	5000	5900	7600	7600	7600	604	42800	120000
13	4	4.5	8500	2.2	658.1	IE4	**BF90Z-../S4E09SA4**	0.22	0.75	1.5	4.5	5.4	5500	6500	8500	8500	8500	604	42800	120000
13	4	3.9	9800	1.9	759	IE4	**BF90Z-../S4E09SA4**	0.19	0.65	1.3	3.9	4.7	6400	7500	9800	9800	9800	604	42800	120000
13	4	3.5	10900	1.7	845.1	IE4	**BF90Z-../S4E09SA4**	0.17	0.55	1.1	3.5	4.2	7100	8400	10900	10900	10900	604	42800	120000
13	4	3	12600	1.5	976.1	IE4	**BF90G50-../S4E09SA4**	0.15	0.5	1	3	3.6	8200	9700	12600	12600	12600	616	42800	120000
13	4	2.8	13500	1.4	1043	IE4	**BF90G50-../S4E09SA4**	0.14	0.47	0.95	2.8	3.4	8800	10400	13500	13500	13500	616	42800	120000
13	4	2.4	15600	1.2	1204	IE4	**BF90G50-../S4E09SA4**	0.12	0.41	0.8	2.4	2.9	10200	12000	15600	15600	15600	616	42800	120000
13	4	2	18700	0.99	1444	IE4	**BF90G50-../S4E09SA4**	0.1	0.34	0.65	2	2.4	12200	14400	18700	18700	18700	616	42800	120000
13	4	1.7	21500	0.85	1678	IE4	**BF90G50-../S4E09SA4**	0.085	0.29	0.55	1.7	2.1	14200	16700	21500	21500	21500	616	42800	120000

MN = 17.5 Nm (PN = 5.5 kW)



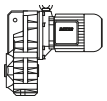
M_N	P_N	n_2	M_2	f_B	i	IE-Classe	Type	Speed range n_2 [1/min] at motor speed n_1 [1/min]					Torque range M_2 [Nm] at motor speed n_1 [1/min]					m	F_{RN}	F_{RV}
[Nm]	[kW]	[1/min]	[Nm]	[--]	[:1]			150	500	1000	3000	3600	150	500	1000	3000	3600	[kg]	[N]	[N]
17.5	5.5	530	98	1.4	5.6	IE5	**BF10-../S5E09XA4**	26.5	89	178	530	640	72	89	98	98	98	40	1950	-
17.5	5.5	395	132	1.2	7.58	IE5	**BF10-../S5E09XA4**	19.5	65	131	395	470	98	121	132	132	132	40	2200	-
17.5	5.5	305	169	1	9.69	IE5	**BF10-../S5E09XA4**	15	51	103	305	370	125	155	169	169	169	40	2350	-
17.5	5.5	250	205	0.88	11.84	IE5	**BF10-../S5E09XA4**	12.5	42	84	250	300	153	189	205	205	205	40	2500	-
17.5	5.5	495	105	1.9	6.04	IE5	**BF20-../S5E09XA4**	24.5	82	165	495	590	78	96	105	105	105	46	2550	-
17.5	5.5	375	140	1.6	8	IE5	**BF20-../S5E09XA4**	18.5	62	125	375	450	104	128	140	140	140	46	2850	-
17.5	5.5	285	183	1.4	10.51	IE5	**BF20-../S5E09XA4**	14	47.5	95	285	340	136	168	183	183	183	46	3100	-
17.5	5.5	225	230	1.2	13.18	IE5	**BF20-../S5E09XA4**	11	37.5	75	225	270	171	210	230	230	230	46	3300	-
17.5	5.5	193	270	1.1	15.54	IE5	**BF20-../S5E09XA4**	9.6	32	64	193	230	200	245	270	270	270	46	3450	-
17.5	5.5	178	290	1.2	16.77	IE5	**BF20-../S5E09XA4**	8.9	29.5	59	178	210	215	265	290	290	290	46	3500	-
17.5	5.5	162	320	1.1	18.45	IE5	**BF20-../S5E09XA4**	8.1	27	54	162	195	235	295	320	320	320	46	3600	-
17.5	5.5	136	385	1	22.04	IE5	**BF20-../S5E09XA4**	6.8	22.5	45	136	163	285	350	385	385	385	46	3800	-
17.5	5.5	123	420	0.94	24.25	IE5	**BF20-../S5E09XA4**	6.1	20.5	41	123	148	315	385	420	420	420	46	3950	-
17.5	5.5	108	480	0.87	27.62	IE5	**BF20-../S5E09XA4**	5.4	18	36	108	130	355	440	480	480	480	46	4150	-
17.5	5.5	470	110	2.4	6.34	IE4	**BF30-../S4E11SA6**	23.5	78	157	470	560	110	110	110	110	110	66	2400	-
17.5	5.5	470	110	2.4	6.34	IE5	**BF30-../S5E09XA4**	23.5	78	157	470	560	82	101	110	110	110	57	2400	-
17.5	5.5	370	141	2	8.07	IE4	**BF30-../S4E11SA6**	18.5	61	123	370	445	141	141	141	141	141	66	2650	-
17.5	5.5	370	141	2	8.07	IE5	**BF30-../S5E09XA4**	18.5	61	123	370	445	104	129	141	141	141	57	2650	-
17.5	5.5	300	174	1.8	9.99	IE4	**BF30-../S4E11SA6**	15	50	100	300	360	174	174	174	174	174	66	2850	-
17.5	5.5	300	174	1.8	9.99	IE5	**BF30-../S5E09XA4**	15	50	100	300	360	129	159	174	174	174	57	2850	-
17.5	5.5	230	225	1.6	12.91	IE4	**BF30-../S4E11SA6**	11.5	38.5	77	230	275	225	225	225	225	225	66	3050	-
17.5	5.5	230	225	1.6	12.91	IE5	**BF30-../S5E09XA4**	11.5	38.5	77	230	275	167	205	225	225	225	57	3050	-
17.5	5.5	187	280	1.4	16	IE4	**BF30-../S4E11SA6**	9.3	31	62	187	225	280	280	280	280	280	66	3250	-
17.5	5.5	187	280	1.4	16	IE5	**BF30-../S5E09XA4**	9.3	31	62	187	225	205	255	280	280	280	57	3250	-
17.5	5.5	169	305	1.5	17.65	IE4	**BF30-../S4E11SA6**	8.4	28	56	169	200	305	305	305	305	305	66	3300	-
17.5	5.5	169	305	1.5	17.65	IE5	**BF30-../S5E09XA4**	8.4	28	56	169	200	225	280	305	305	305	57	3300	-
17.5	5.5	154	335	1.5	19.41	IE4	**BF30-../S4E11SA6**	7.7	25.5	51	154	185	335	335	335	335	335	66	3400	-
17.5	5.5	154	335	1.5	19.41	IE5	**BF30-../S5E09XA4**	7.7	25.5	51	154	185	250	310	335	335	335	57	3400	-
17.5	5.5	137	380	1.4	21.85	IE4	**BF30-../S4E11SA6**	6.8	22.5	45.5	137	164	380	380	380	380	380	66	3500	-
17.5	5.5	137	380	1.4	21.85	IE5	**BF30-../S5E09XA4**	6.8	22.5	45.5	137	164	280	345	380	380	380	57	3500	-
17.5	5.5	124	420	1.3	24.03	IE4	**BF30-../S4E11SA6**	6.2	20.5	41.5	124	149	420	420	420	420	420	66	3600	-
17.5	5.5	124	420	1.3	24.03	IE5	**BF30-../S5E09XA4**	6.2	20.5	41.5	124	149	310	380	420	420	420	57	3600	-
17.5	5.5	106	490	1.2	28.23	IE4	**BF30-../S4E11SA6**	5.3	17.5	35	106	127	490	490	490	490	490	66	3800	-
17.5	5.5	106	490	1.2	28.23	IE5	**BF30-../S5E09XA4**	5.3	17.5	35	106	127	365	450	490	490	490	57	3800	-
17.5	5.5	96	540	1	31.05	IE4	**BF30-../S4E11SA6**	4.8	16	32	96	115	540	540	540	540	540	66	4000	-
17.5	5.5	96	540	1	31.05	IE5	**BF30-../S5E09XA4**	4.8	16	32	96	115	400	495	540	540	540	57	4000	-
17.5	5.5	85	610	0.93	35	IE4	**BF30-../S4E11SA6**	4.2	14	28.5	85	102	610	610	610	610	610	66	4200	-
17.5	5.5	85	610	0.93	35	IE5	**BF30-../S5E09XA4**	4.2	14	28.5	85	102	455	560	610	610	610	57	4200	-
17.5	5.5	77	670	0.85	38.49	IE4	**BF30-../S4E11SA6**	3.8	12.5	25.5	77	93	670	670	670	670	670	66	4400	-

MN = 17.5 Nm (PN = 5.5 kW)



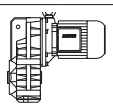
M_N	P_N	n_2	M_2	f_B	i	IE-Classe	Type	Speed range n_2 [1/min] at motor speed n_1 [1/min]					Torque range M_2 [Nm] at motor speed n_1 [1/min]					m	F_{RN}	F_{RV}
[Nm]	[kW]	[1/min]	[Nm]	[--]	[:1]			150	500	1000	3000	3600	150	500	1000	3000	3600	[kg]	[N]	[N]
17.5	5.5	77	670	0.85	38.49	IE5	**BF30-../S5E09XA4**	3.8	12.5	25.5	77	93	500	610	670	670	670	57	4400	-
17.5	5.5	390	133	2.7	7.62	IE4	**BF40-../S4E11SA6**	19.5	65	131	390	470	133	133	133	133	133	80	3900	-
17.5	5.5	390	133	2.7	7.62	IE5	**BF40-../S5E09XA4**	19.5	65	131	390	470	99	121	133	133	133	66	3900	-
17.5	5.5	315	165	2.5	9.48	IE4	**BF40-../S4E11SA6**	15.5	52	105	315	375	165	165	165	165	165	80	4150	-
17.5	5.5	315	165	2.5	9.48	IE5	**BF40-../S5E09XA4**	15.5	52	105	315	375	123	151	165	165	165	66	4150	-
17.5	5.5	250	205	2.3	11.79	IE4	**BF40-../S4E11SA6**	12.5	42	84	250	305	205	205	205	205	205	80	4450	-
17.5	5.5	250	205	2.3	11.79	IE5	**BF40-../S5E09XA4**	12.5	42	84	250	305	153	188	205	205	205	66	4450	-
17.5	5.5	199	260	2	15.02	IE4	**BF40-../S4E11SA6**	9.9	33	66	199	235	260	260	260	260	260	80	4800	-
17.5	5.5	199	260	2	15.02	IE5	**BF40-../S5E09XA4**	9.9	33	66	199	235	195	240	260	260	260	66	4800	-
17.5	5.5	172	300	2.1	17.35	IE4	**BF40-../S4E11SA6**	8.6	28.5	57	172	205	300	300	300	300	300	80	4950	-
17.5	5.5	172	300	2.1	17.35	IE5	**BF40-../S5E09XA4**	8.6	28.5	57	172	205	225	275	300	300	300	66	4950	-
17.5	5.5	157	330	2	19.09	IE4	**BF40-../S4E11SA6**	7.8	26	52	157	188	330	330	330	330	330	80	5100	-
17.5	5.5	157	330	2	19.09	IE5	**BF40-../S5E09XA4**	7.8	26	52	157	188	245	305	330	330	330	66	5100	-
17.5	5.5	138	375	1.9	21.6	IE4	**BF40-../S4E11SA6**	6.9	23	46	138	166	375	375	375	375	375	80	5200	-
17.5	5.5	138	375	1.9	21.6	IE5	**BF40-../S5E09XA4**	6.9	23	46	138	166	280	345	375	375	375	66	5200	-
17.5	5.5	126	415	1.8	23.77	IE4	**BF40-../S4E11SA6**	6.3	21	42	126	151	415	415	415	415	415	80	5400	-
17.5	5.5	126	415	1.8	23.77	IE5	**BF40-../S5E09XA4**	6.3	21	42	126	151	305	380	415	415	415	66	5400	-
17.5	5.5	111	470	1.6	26.86	IE4	**BF40-../S4E11SA6**	5.5	18.5	37	111	134	470	470	470	470	470	80	5600	-
17.5	5.5	111	470	1.6	26.86	IE5	**BF40-../S5E09XA4**	5.5	18.5	37	111	134	345	425	470	470	470	66	5600	-
17.5	5.5	101	510	1.5	29.55	IE4	**BF40-../S4E11SA6**	5	16.5	33.5	101	121	510	510	510	510	510	80	5800	-
17.5	5.5	101	510	1.5	29.55	IE5	**BF40-../S5E09XA4**	5	16.5	33.5	101	121	380	470	510	510	510	66	5800	-
17.5	5.5	87	590	1.4	34.21	IE4	**BF40-../S4E11SA6**	4.3	14.5	29	87	105	590	590	590	590	590	80	6000	-
17.5	5.5	87	590	1.4	34.21	IE5	**BF40-../S5E09XA4**	4.3	14.5	29	87	105	440	540	590	590	590	66	6000	-
17.5	5.5	79	650	1.4	37.64	IE4	**BF40-../S4E11SA6**	3.9	13	26.5	79	95	650	650	650	650	650	80	6200	-
17.5	5.5	79	650	1.4	37.64	IE5	**BF40-../S5E09XA4**	3.9	13	26.5	79	95	485	600	650	650	650	66	6200	-
17.5	5.5	72	720	1.2	41.42	IE4	**BF40-../S4E11SA6**	3.6	12	24	72	86	720	720	720	720	720	80	6500	-
17.5	5.5	72	720	1.2	41.42	IE5	**BF40-../S5E09XA4**	3.6	12	24	72	86	530	660	720	720	720	66	6500	-
17.5	5.5	65	790	1.1	45.56	IE4	**BF40-../S4E11SA6**	3.2	10.5	21.5	65	79	790	790	790	790	790	80	6800	-
17.5	5.5	65	790	1.1	45.56	IE5	**BF40-../S5E09XA4**	3.2	10.5	21.5	65	79	590	720	790	790	790	66	6800	-
17.5	5.5	61	850	1.1	48.92	IE4	**BF40-../S4E11SA6**	3	10	20	61	73	850	850	850	850	850	80	7000	-
17.5	5.5	61	850	1.1	48.92	IE5	**BF40-../S5E09XA4**	3	10	20	61	73	630	780	850	850	850	66	7000	-
17.5	5.5	55	940	0.96	53.82	IE4	**BF40-../S4E11SA6**	2.7	9.2	18.5	55	66	940	940	940	940	940	80	7200	-
17.5	5.5	55	940	0.96	53.82	IE5	**BF40-../S5E09XA4**	2.7	9.2	18.5	55	66	690	860	940	940	940	66	7200	-
17.5	5.5	48.5	1070	0.84	61.25	IE5	**BF40-../S5E09XA4**	2.4	8.1	16	48.5	58	790	980	1070	1070	1070	66	7600	-
17.5	5.5	129	400	2.7	23.14	IE4	**BF50-../S4E11SA6**	6.4	21.5	43	129	155	400	400	400	400	400	110	6800	-
17.5	5.5	129	400	2.7	23.14	IE5	**BF50-../S5E09XA4**	6.4	21.5	43	129	155	300	370	400	400	400	94	6800	-
17.5	5.5	115	450	2.6	25.88	IE4	**BF50-../S4E11SA6**	5.7	19	38.5	115	139	450	450	450	450	450	110	7100	-
17.5	5.5	115	450	2.6	25.88	IE5	**BF50-../S5E09XA4**	5.7	19	38.5	115	139	335	410	450	450	450	94	7100	-
17.5	5.5	94	550	2.3	31.73	IE4	**BF50-../S4E11SA6**	4.7	15.5	31.5	94	113	550	550	550	550	550	110	7500	-
17.5	5.5	94	550	2.3	31.73	IE5	**BF50-../S5E09XA4**	4.7	15.5	31.5	94	113	410	500	550	550	550	94	7500	-
17.5	5.5	84	620	2.1	35.49	IE4	**BF50-../S4E11SA6**	4.2	14	28	84	101	620	620	620	620	620	110	7800	-
17.5	5.5	84	620	2.1	35.49	IE5	**BF50-../S5E09XA4**	4.2	14	28	84	101	460	560	620	620	620	94	7800	-
17.5	5.5	71	730	1.8	42.15	IE4	**BF50-../S4E11SA6**	3.5	11.5	23.5	71	85	730	730	730	730	730	110	8500	-
17.5	5.5	71	730	1.8	42.15	IE5	**BF50-../S5E09XA4**	3.5	11.5	23.5	71	85	540	670	730	730	730	94	8500	-
17.5	5.5	63	820	1.6	47.14	IE4	**BF50-../S4E11SA6**	3.1	10.5	21	63	76	820	820	820	820	820	110	8900	-
17.5	5.5	63	820	1.6	47.14	IE5	**BF50-../S5E09XA4**	3.1	10.5	21	63	76	610	750	820	820	820	94	8900	-
17.5	5.5	52	990	1.3	56.86	IE4	**BF50-../S4E11SA6**	2.6	8.7	17.5	52	63	990	990	990	990	990	110	9300	-
17.5	5.5	52	990	1.3	56.86	IE5	**BF50-../S5E09XA4**	2.6	8.7	17.5	52	63	730	900	990	990	990	94	9300	-
17.5	5.5	47	1110	1.2	63.59	IE4	**BF50-../S4E11SA6**	2.3	7.8	15.5	47	56	1110	1110	1110	1110	1110	110	9800	-
17.5	5.5	47	1110	1.2	63.59	IE5	**BF50-../S5E09XA4**	2.3	7.8	15.5	47	56	820	1010	1110	1110	1110	94	9800	-
17.5	5.5	41	1270	1	72.72	IE4	**BF50-../S4E11SA6**	2	6.8	13.5	41	49.5	1270	1270	1270	1270	1270	110	10700	-
17.5	5.5	41	1270	1	72.72	IE5	**BF50-../S5E09XA4**	2	6.8	13.5	41	49.5	940	1160	1270	1270	1270	94	10700	-
17.5	5.5	36.5	1420	0.91	81.33	IE4	**BF50-../S4E11SA6**	1.8	6.1	12	36.5	44	1420	1420	1420	1420	1420	110	11300	-
17.5	5.5	36.5	1420	0.91	81.33	IE5	**BF50-../S5E09XA4**	1.8	6.1	12	36.5	44	1050	1300	1420	1420	1420	94	11300	-
17.5	5.5	33	1570	0.82	90.24	IE4	**BF50-../S4E11SA6**	1.6	5.5	11	33	39.5	1570	1570	1570	1570	1570	110	11800	-
17.5	5.5	33	1570	0.82	90.24	IE5	**BF50-../S5E09XA4**	1.6	5.5	11	33	39.5	1170	1440	1570	1570	1570	94	11800	-
17.5	5.5	72	720	2.9	41.6	IE4	**BF60-../S4E11SA6**	3.6	12	24	72	86	720	720	720	720	720	141	9600	27100
17.5	5.5	72	720	2.9	41.6	IE5	**BF60-../S5E09XA4**	3.6	12	24	72	86	540	660	720	720	720	124	9600	27100
17.5	5.5	64	800	2.7	46.16	IE4	**BF60-../S4E11SA6**	3.2	10.5	21.5	64	77	800	800	800	800	800	141	9900	28000
17.5	5.5	64	800	2.7	46.16	IE5	**BF60-../S5E09XA4**	3.2	10.5	21.5	64	77	600	730	800	800	800	124	9900	28000
17.5	5.5	55	950	2.4	54.44	IE4	**BF60-../S4E11SA6**	2.7	9.1	18	55	66	950	950	950	950	950	141	10500	29700
17.5	5.5	55	950	2.4	54.44	IE5	**BF60-../S5E09XA4**	2.7	9.1	18	55	66	700	870	950	950	950	124	10500	29700
17.5	5.5	49.5	1050	2.2	60.4	IE4	**BF60-../S4E11SA6**	2.4	8.2	16.5	49.5	59	1050	1050	1050	1050	1050	141	11100	31400
17.5	5.5	49.5	1050	2.2	60.4	IE5	**BF60-../S5E09XA4**	2.4	8.2	16.5	49.5	59	780	960	1050	1050	1050	124	11100	31400
17.5	5.5	41.5	1260	1.8	72.15	IE4	**BF60-../S4E11SA6**	2	6.9	13.5	41.5	49.5	1260	1260	1260	1260	1260	141	12000	34000
17.5	5.5	41.5	1260	1.8	72.15	IE5	**BF60-../S5E09XA4**	2	6.9	13.5	41.5	49.5	930	1150	1260	1260	1260	124	12000	34000
17.5	5.5	37	1400	1.6	80.05	IE4	**BF60-../S4E11SA6**	1.8	6.2	12	37	44.5	1400	1400	1400	1400	1400	141	12600	35600
17.5	5.5	37	1400	1.6	80.05	IE5	**BF60-../S5E09XA4**	1.8	6.2	12	37	44.5	1040	1280	1400	1400	1400	124	12600	35600
17.5	5.5	32	1630	1.4	93.44	IE4	**BF60-../S4E11SA6**	1.6	5.3	10.5	32	38.5	1630	1630	1630	1630	1630	141	13500	38200
17.5	5.5	32	1630	1.4	93.44	IE5	**BF60-../S5E09XA4**	1.6	5.3	10.5	32	38.5	1210	1490	1630	1630	1630	124	13500	38200
17.5	5.5	28.5	1810	1.3	103.7	IE4	**BF60-../S4E11SA6**	1.4	4.8	9.6	28.5	34.5	1810	1810	1810	1810	1810	141	14100	39900
17.5	5.5	28.5	1810	1.3	103.7	IE5	**BF60-../S5E09XA4**	1.4	4.8	9.6	28.5	34.5	1340	1650	1810	1810	1810	124	14100	39900
17.5	5.5	26.5	1970	1.2	113.1	IE4	**BF60-../S4E11SA6**	1.3	4.4	8.8	26.5	31.5	1970	1970	1970	1970	1970	141	14600	41300
17.5	5.5	26.5	1970	1.2	113.1	IE5	**BF60-../S5E09XA4**	1.3	4.4	8.8	26.5	31.5	1470	1800	1970	1970	1970	124	14600	41300
17.5	5.5	23.5	2150	1	125.5	IE4	**BF60-../S4E11SA6**	1.1	3.9	7.9	23.5	28.5	2150	2150	2150	2150	2150	141	15300	43300
17.5	5.5	23.5	2150	1	125.5	IE5	**BF60-../S5E09XA4**	1.1	3.9	7.9	23.5	28.5	1630	2000	2150	2150	2150	124	15300	43300
17.5	5.5	21	2450	0.93	140.8	IE4	**BF60Z-../S4E11SA6**	1	3.5	7.1	21	25.5	2450	2450	2450	2450	2450	157	15300	43300
17.5	5.5	21	2450	0.93	140.8	IE5	**BF60Z-../S5E09XA4**	1	3.5	7.1	21	25.5	1830	2250	2450	2450	2450	143	15300	43300

MN = 17.5 Nm (PN = 5.5 kW)



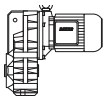
M_N	P_N	n_2	M_2	f_B	i	IE-Classe	Type	Speed range n_2 [1/min] at motor speed n_1 [1/min]					Torque range M_2 [Nm] at motor speed n_1 [1/min]					m	F_{RN}	F_{RV}
[Nm]	[kW]	[1/min]	[Nm]	[--]	[:1]			150	500	1000	3000	3600	150	500	1000	3000	3600	[kg]	[N]	[N]
17.5	5.5	28.5	1840	2.8	105.2	IE4	**BF70-../S4E11SA6**	1.4	4.7	9.5	28.5	34	1840	1840	1840	1840	1840	220	14700	45100
17.5	5.5	28.5	1840	2.8	105.2	IE5	**BF70-../S5E09XA4**	1.4	4.7	9.5	28.5	34	1360	1680	1840	1840	1840	210	14700	45100
17.5	5.5	24	2100	2.4	122.7	IE4	**BF70-../S4E11SA6**	1.2	4	8.1	24	29	2100	2100	2100	2100	2100	220	16100	47700
17.5	5.5	24	2100	2.4	122.7	IE5	**BF70-../S5E09XA4**	1.2	4	8.1	24	29	1590	1960	2100	2100	2100	210	16100	47700
17.5	5.5	22.5	2300	2.2	133	IE4	**BF70Z-../S4E11SA6**	1.1	3.7	7.5	22.5	27	2300	2300	2300	2300	2300	247	16100	47700
17.5	5.5	22.5	2300	2.2	133	IE5	**BF70Z-../S5E09XA4**	1.1	3.7	7.5	22.5	27	1720	2100	2300	2300	2300	231	16100	47700
17.5	5.5	19	2650	1.9	154	IE4	**BF70Z-../S4E11SA6**	0.95	3.2	6.4	19	23	2650	2650	2650	2650	2650	247	16100	47700
17.5	5.5	19	2650	1.9	154	IE5	**BF70Z-../S5E09XA4**	0.95	3.2	6.4	19	23	2000	2450	2650	2650	2650	231	16100	47700
17.5	5.5	16.5	3100	1.7	179.7	IE4	**BF70Z-../S4E11SA6**	0.8	2.7	5.5	16.5	20	3100	3100	3100	3100	3100	247	16100	47700
17.5	5.5	16.5	3100	1.7	179.7	IE5	**BF70Z-../S5E09XA4**	0.8	2.7	5.5	16.5	20	2300	2850	3100	3100	3100	231	16100	47700
17.5	5.5	15	3450	1.5	199.7	IE4	**BF70Z-../S4E11SA6**	0.75	2.5	5	15	18	3450	3450	3450	3450	3450	247	16100	47700
17.5	5.5	15	3450	1.5	199.7	IE5	**BF70Z-../S5E09XA4**	0.75	2.5	5	15	18	2550	3150	3450	3450	3450	231	16100	47700
17.5	5.5	12.5	4050	1.3	233	IE4	**BF70Z-../S4E11SA6**	0.6	2.1	4.2	12.5	15	4050	4050	4050	4050	4050	247	16100	47700
17.5	5.5	12.5	4050	1.3	233	IE5	**BF70Z-../S5E09XA4**	0.6	2.1	4.2	12.5	15	3000	3700	4050	4050	4050	231	16100	47700
17.5	5.5	11.5	4500	1.1	258.7	IE4	**BF70Z-../S4E11SA6**	0.55	1.9	3.8	11.5	13.5	4500	4500	4500	4500	4500	247	16100	47700
17.5	5.5	11.5	4500	1.1	258.7	IE5	**BF70Z-../S5E09XA4**	0.55	1.9	3.8	11.5	13.5	3350	4100	4500	4500	4500	231	16100	47700
17.5	5.5	9.9	5200	0.98	301.8	IE4	**BF70Z-../S4E11SA6**	0.49	1.6	3.3	9.9	11.5	5200	5200	5200	5200	5200	247	16100	47700
17.5	5.5	9.9	5200	0.98	301.8	IE5	**BF70Z-../S5E09XA4**	0.49	1.6	3.3	9.9	11.5	3900	4800	5200	5200	5200	231	16100	47700
17.5	5.5	8.7	5900	0.87	341.7	IE4	**BF70Z-../S4E11SA6**	0.43	1.4	2.9	8.7	10.5	5900	5900	5900	5900	5900	247	16100	47700
17.5	5.5	8.7	5900	0.87	341.7	IE5	**BF70Z-../S5E09XA4**	0.43	1.4	2.9	8.7	10.5	4400	5400	5900	5900	5900	231	16100	47700
17.5	5.5	16	3200	2.9	184.5	IE4	**BF80-../S4E11SA6**	0.8	2.7	5.4	16	19.5	3200	3200	3200	3200	3200	316	31800	75000
17.5	5.5	16	3200	2.9	184.5	IE5	**BF80-../S5E09XA4**	0.8	2.7	5.4	16	19.5	2350	2950	3200	3200	3200	307	31800	75000
17.5	5.5	14	3650	2.6	209.4	IE4	**BF80-../S4E11SA6**	0.7	2.3	4.7	14	17	3650	3650	3650	3650	3650	316	34300	75000
17.5	5.5	14	3650	2.6	209.4	IE5	**BF80-../S5E09XA4**	0.7	2.3	4.7	14	17	2700	3350	3650	3650	3650	307	34300	75000
17.5	5.5	12.5	4100	2.3	237.1	IE4	**BF80-../S4E11SA6**	0.6	2.1	4.2	12.5	15	4100	4100	4100	4100	4100	316	36900	75000
17.5	5.5	12.5	4100	2.3	237.1	IE5	**BF80-../S5E09XA4**	0.6	2.1	4.2	12.5	15	3050	3750	4100	4100	4100	307	36900	75000
17.5	5.5	11	4700	2	269.1	IE4	**BF80-../S4E11SA6**	0.55	1.8	3.7	11	13	4700	4700	4700	4700	4700	316	39600	75000
17.5	5.5	11	4700	2	269.1	IE5	**BF80-../S5E09XA4**	0.55	1.8	3.7	11	13	3450	4300	4700	4700	4700	307	39600	75000
17.5	5.5	10	5100	2.1	291.7	IE4	**BF80Z-../S4E11SA6**	0.5	1.7	3.4	10	12	5100	5100	5100	5100	5100	363	39600	75000
17.5	5.5	10	5100	2.1	291.7	IE5	**BF80Z-../S5E09XA4**	0.5	1.7	3.4	10	12	3750	4650	5100	5100	5100	348	39600	75000
17.5	5.5	8.6	6000	1.7	347.3	IE4	**BF80Z-../S4E11SA6**	0.43	1.4	2.8	8.6	10	6000	6000	6000	6000	6000	363	39600	75000
17.5	5.5	8.6	6000	1.7	347.3	IE5	**BF80Z-../S5E09XA4**	0.43	1.4	2.8	8.6	10	4500	5500	6000	6000	6000	348	39600	75000
17.5	5.5	7.6	6800	1.5	394.2	IE4	**BF80Z-../S4E11SA6**	0.38	1.2	2.5	7.6	9.1	6800	6800	6800	6800	6800	363	39600	75000
17.5	5.5	7.6	6800	1.5	394.2	IE5	**BF80Z-../S5E09XA4**	0.38	1.2	2.5	7.6	9.1	5100	6300	6800	6800	6800	348	39600	75000
17.5	5.5	6.6	7800	1.3	450.4	IE4	**BF80Z-../S4E11SA6**	0.33	1.1	2.2	6.6	7.9	7800	7800	7800	7800	7800	363	39600	75000
17.5	5.5	6.6	7800	1.3	450.4	IE5	**BF80Z-../S5E09XA4**	0.33	1.1	2.2	6.6	7.9	5800	7200	7800	7800	7800	348	39600	75000
17.5	5.5	5.8	8900	1.2	511.2	IE4	**BF80Z-../S4E11SA6**	0.29	0.95	1.9	5.8	7	8900	8900	8900	8900	8900	363	39600	75000
17.5	5.5	5.8	8900	1.2	511.2	IE5	**BF80Z-../S5E09XA4**	0.29	0.95	1.9	5.8	7	6600	8100	8900	8900	8900	348	39600	75000
17.5	5.5	5.1	10200	1	583.4	IE4	**BF80Z-../S4E11SA6**	0.25	0.85	1.7	5.1	6.1	10200	10200	10200	10200	10200	363	39600	75000
17.5	5.5	5.1	10200	1	583.4	IE5	**BF80Z-../S5E09XA4**	0.25	0.85	1.7	5.1	6.1	7500	9300	10200	10200	10200	348	39600	75000
17.5	5.5	4.5	11500	0.91	662.1	IE4	**BF80Z-../S4E11SA6**	0.22	0.75	1.5	4.5	5.4	11500	11500	11500	11500	11500	363	39600	75000
17.5	5.5	4.5	11500	0.91	662.1	IE5	**BF80Z-../S5E09XA4**	0.22	0.75	1.5	4.5	5.4	8600	10500	11500	11500	11500	348	39600	75000
17.5	5.5	7.8	6600	2.8	382.6	IE4	**BF90Z-../S4E11SA6**	0.39	1.3	2.6	7.8	9.4	6600	6600	6600	6600	6600	629	42800	120000
17.5	5.5	7.8	6600	2.8	382.6	IE5	**BF90Z-../S5E09XA4**	0.39	1.3	2.6	7.8	9.4	4950	6100	6600	6600	6600	612	42800	120000
17.5	5.5	6.5	7900	2.3	456.7	IE4	**BF90Z-../S4E11SA6**	0.32	1	2.1	6.5	7.8	7900	7900	7900	7900	7900	629	42800	120000
17.5	5.5	6.5	7900	2.3	456.7	IE5	**BF90Z-../S5E09XA4**	0.32	1	2.1	6.5	7.8	5900	7300	7900	7900	7900	612	42800	120000
17.5	5.5	5.8	8800	2.1	508.5	IE4	**BF90Z-../S4E11SA6**	0.29	0.95	1.9	5.8	7	8800	8800	8800	8800	8800	629	42800	120000
17.5	5.5	5.8	8800	2.1	508.5	IE5	**BF90Z-../S5E09XA4**	0.29	0.95	1.9	5.8	7	6600	8100	8800	8800	8800	612	42800	120000
17.5	5.5	5	10300	1.8	591.1	IE4	**BF90Z-../S4E11SA6**	0.25	0.8	1.6	5	6	10300	10300	10300	10300	10300	629	42800	120000
17.5	5.5	5	10300	1.8	591.1	IE5	**BF90Z-../S5E09XA4**	0.25	0.8	1.6	5	6	7600	9400	10300	10300	10300	612	42800	120000
17.5	5.5	4.5	11500	1.6	658.1	IE4	**BF90Z-../S4E11SA6**	0.22	0.75	1.5	4.5	5.4	11500	11500	11500	11500	11500	629	42800	120000
17.5	5.5	4.5	11500	1.6	658.1	IE5	**BF90Z-../S5E09XA4**	0.22	0.75	1.5	4.5	5.4	8500	10500	11500	11500	11500	612	42800	120000
17.5	5.5	3.9	13200	1.4	759	IE4	**BF90Z-../S4E11SA6**	0.19	0.65	1.3	3.9	4.7	13200	13200	13200	13200	13200	629	42800	120000
17.5	5.5	3.9	13200	1.4	759	IE5	**BF90Z-../S5E09XA4**	0.19	0.65	1.3	3.9	4.7	9800	12100	13200	13200	13200	612	42800	120000
17.5	5.5	3.5	14700	1.3	845.1	IE4	**BF90Z-../S4E11SA6**	0.17	0.55	1.1	3.5	4.2	14700	14700	14700	14700	14700	629	42800	120000
17.5	5.5	3.5	14700	1.3	845.1	IE5	**BF90Z-../S5E09XA4**	0.17	0.55	1.1	3.5	4.2	10900	13500	14700	14700	14700	612	42800	120000
17.5	5.5	3	17000	1.1	976.1	IE4	**BF90G50-../S4E11SA6**	0.15	0.5	1	3	3.6	17000	17000	17000	17000	17000	639	42800	120000
17.5	5.5	3	17000	1.1	976.1	IE5	**BF90G50-../S5E09XA4**	0.15	0.5	1	3	3.6	12600	15600	17000	17000	17000	624	42800	120000
17.5	5.5	2.8	18200	1	1043	IE4	**BF90G50-../S4E11SA6**	0.14	0.47	0.95	2.8	3.4	18200	18200	18200	18200	18200	639	42800	120000
17.5	5.5	2.8	18200	1	1043	IE5	**BF90G50-../S5E09XA4**	0.14	0.47	0.95	2.8	3.4	13500	16600	18200	18200	18200	624	42800	120000
17.5	5.5	2.4	21000	0.88	1204	IE4	**BF90G50-../S4E11SA6**	0.12	0.41	0.8	2.4	2.9	21000	21000	21000	21000	21000	639	42800	120000
17.5	5.5	2.4	21000	0.88	1204	IE5	**BF90G50-../S5E09XA4**	0.12	0.41	0.8	2.4	2.9	15600	19200	21000	21000	21000	624	42800	120000

MN = 20 Nm (PN = 6.3 kW)



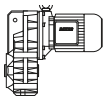
M_N	P_N	n_2	M_2	f_B	i	IE-Classe	Type	Speed range n_2 [1/min] at motor speed n_1 [1/min]					Torque range M_2 [Nm] at motor speed n_1 [1/min]					m	F_{RN}	F_{RV}
[Nm]	[kW]	[1/min]	[Nm]	[--]	[:1]			150	500	1000	3000	3600	150	500	1000	3000	3600	[kg]	[N]	[N]
20	6.3	530	112	1.2	5.6	IE5	**BF10-../S5E09XA4**	26.5	89	178	530	640	72	89	112	112	98	40	1950	-
20	6.3	395	151	1	7.58	IE5	**BF10-../S5E09XA4**	19.5	65	131	395	470	98	121	151	151	132	40	2200	-
20	6.3	305	193	0.91	9.69	IE5	**BF10-../S5E09XA4**	15	51	103	305	370	125	155	193	193	169	40	2350	-
20	6.3	495	120	1.7	6.04	IE5	**BF20-../S5E09XA4**	24.5	82	165	495	590	78	96	120	120	105	46	2550	-
20	6.3	375	160	1.4	8	IE5	**BF20-../S5E09XA4**	18.5	62	125	375	450	104	128	160	160	140	46	2850	-
20	6.3	285	210	1.2	10.51	IE5	**BF20-../S5E09XA4**	14	47.5	95	285	340	136	168	210	210	183	46	3100	-

MN = 20 Nm (PN = 6.3 kW)



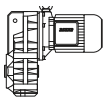
M_N	P_N	n_2	M_2	f_B	i	IE-Classe	Type	Speed range n_2 [1/min] at motor speed n_1 [1/min]					Torque range M_2 [Nm] at motor speed n_1 [1/min]					m	F_{RN}	F_{RV}
[Nm]	[kW]	[1/min]	[Nm]	[--]	[:1]			150	500	1000	3000	3600	150	500	1000	3000	3600	[kg]	[N]	[N]
20	6.3	225	260	1.1	13.18	IE5	**BF20-../S5E09XA4**	11	37.5	75	225	270	171	210	260	260	230	46	3300	-
20	6.3	193	310	0.98	15.54	IE5	**BF20-../S5E09XA4**	9.6	32	64	193	230	200	245	310	310	270	46	3450	-
20	6.3	178	335	1.1	16.77	IE5	**BF20-../S5E09XA4**	8.9	29.5	59	178	210	215	265	335	335	290	46	3500	-
20	6.3	162	365	1	18.45	IE5	**BF20-../S5E09XA4**	8.1	27	54	162	195	235	295	365	365	320	46	3600	-
20	6.3	136	440	0.9	22.04	IE5	**BF20-../S5E09XA4**	6.8	22.5	45	136	163	285	350	440	440	385	46	3800	-
20	6.3	123	485	0.82	24.25	IE5	**BF20-../S5E09XA4**	6.1	20.5	41	123	148	315	385	485	485	420	46	3950	-
20	6.3	470	126	2.1	6.34	IE5	**BF30-../S5E09XA4**	23.5	78	157	470	560	82	101	126	126	110	57	2400	-
20	6.3	370	161	1.8	8.07	IE5	**BF30-../S5E09XA4**	18.5	61	123	370	445	104	129	161	161	141	57	2650	-
20	6.3	300	199	1.6	9.99	IE5	**BF30-../S5E09XA4**	15	50	100	300	360	129	159	199	199	174	57	2850	-
20	6.3	230	255	1.4	12.91	IE5	**BF30-../S5E09XA4**	11.5	38.5	77	230	275	167	205	255	255	225	57	3050	-
20	6.3	187	320	1.3	16	IE5	**BF30-../S5E09XA4**	9.3	31	62	187	225	205	255	320	320	280	57	3250	-
20	6.3	169	350	1.3	17.65	IE5	**BF30-../S5E09XA4**	8.4	28	56	169	200	225	280	350	350	305	57	3300	-
20	6.3	154	385	1.3	19.41	IE5	**BF30-../S5E09XA4**	7.7	25.5	51	154	185	250	310	385	385	335	57	3400	-
20	6.3	137	435	1.2	21.85	IE5	**BF30-../S5E09XA4**	6.8	22.5	45.5	137	164	280	345	435	435	380	57	3500	-
20	6.3	124	480	1.1	24.03	IE5	**BF30-../S5E09XA4**	6.2	20.5	41.5	124	149	310	380	480	480	420	57	3600	-
20	6.3	106	560	1	28.23	IE5	**BF30-../S5E09XA4**	5.3	17.5	35	106	127	365	450	560	560	490	57	3800	-
20	6.3	96	620	0.92	31.05	IE5	**BF30-../S5E09XA4**	4.8	16	32	96	115	400	495	620	620	540	57	4000	-
20	6.3	85	700	0.81	35	IE5	**BF30-../S5E09XA4**	4.2	14	28.5	85	102	455	560	700	700	610	57	4200	-
20	6.3	510	117	2.9	5.87	IE5	**BF40-../S5E09XA4**	25.5	85	170	510	610	76	93	117	117	102	66	3550	-
20	6.3	390	152	2.4	7.62	IE5	**BF40-../S5E09XA4**	19.5	65	131	390	470	99	121	152	152	133	66	3900	-
20	6.3	315	189	2.2	9.48	IE5	**BF40-../S5E09XA4**	15.5	52	105	315	375	123	151	189	189	165	66	4150	-
20	6.3	250	235	2	11.79	IE5	**BF40-../S5E09XA4**	12.5	42	84	250	305	153	188	235	235	205	66	4450	-
20	6.3	199	300	1.7	15.02	IE5	**BF40-../S5E09XA4**	9.9	33	66	199	235	195	240	300	300	260	66	4800	-
20	6.3	172	345	1.8	17.35	IE5	**BF40-../S5E09XA4**	8.6	28.5	57	172	205	225	275	345	345	300	66	4950	-
20	6.3	157	380	1.7	19.09	IE5	**BF40-../S5E09XA4**	7.8	26	52	157	188	245	305	380	380	330	66	5100	-
20	6.3	138	430	1.6	21.6	IE5	**BF40-../S5E09XA4**	6.9	23	46	138	166	280	345	430	430	375	66	5200	-
20	6.3	126	475	1.5	23.77	IE5	**BF40-../S5E09XA4**	6.3	21	42	126	151	305	380	475	475	415	66	5400	-
20	6.3	111	530	1.4	26.86	IE5	**BF40-../S5E09XA4**	5.5	18.5	37	111	134	345	425	530	530	470	66	5600	-
20	6.3	101	590	1.4	29.55	IE5	**BF40-../S5E09XA4**	5	16.5	33.5	101	121	380	470	590	590	510	66	5800	-
20	6.3	87	680	1.2	34.21	IE5	**BF40-../S5E09XA4**	4.3	14.5	29	87	105	440	540	680	680	590	66	6000	-
20	6.3	79	750	1.2	37.64	IE5	**BF40-../S5E09XA4**	3.9	13	26.5	79	95	485	600	750	750	650	66	6200	-
20	6.3	72	820	1.1	41.42	IE5	**BF40-../S5E09XA4**	3.6	12	24	72	86	530	660	820	820	720	66	6500	-
20	6.3	65	910	0.99	45.56	IE5	**BF40-../S5E09XA4**	3.2	10.5	21.5	65	79	590	720	910	910	790	66	6800	-
20	6.3	61	970	0.92	48.92	IE5	**BF40-../S5E09XA4**	3	10	20	61	73	630	780	970	970	850	66	7000	-
20	6.3	55	1070	0.84	53.82	IE5	**BF40-../S5E09XA4**	2.7	9.2	18.5	55	66	690	860	1070	1070	940	66	7200	-
20	6.3	200	290	2.7	14.65	IE5	**BF50-../S5E09XA4**	10	34	68	200	245	190	230	290	290	255	94	6100	-
20	6.3	129	460	2.4	23.14	IE5	**BF50-../S5E09XA4**	6.4	21.5	43	129	155	300	370	460	460	400	94	6800	-
20	6.3	115	510	2.2	25.88	IE5	**BF50-../S5E09XA4**	5.7	19	38.5	115	139	335	410	510	510	450	94	7100	-
20	6.3	94	630	2	31.73	IE5	**BF50-../S5E09XA4**	4.7	15.5	31.5	94	113	410	500	630	630	550	94	7500	-
20	6.3	84	700	1.8	35.49	IE5	**BF50-../S5E09XA4**	4.2	14	28	84	101	460	560	700	700	620	94	7800	-
20	6.3	71	840	1.5	42.15	IE5	**BF50-../S5E09XA4**	3.5	11.5	23.5	71	85	540	670	840	840	730	94	8500	-
20	6.3	63	940	1.4	47.14	IE5	**BF50-../S5E09XA4**	3.1	10.5	21	63	76	610	750	940	940	820	94	8900	-
20	6.3	52	1130	1.1	56.86	IE5	**BF50-../S5E09XA4**	2.6	8.7	17.5	52	63	730	900	1130	1130	990	94	9300	-
20	6.3	47	1270	1	63.59	IE5	**BF50-../S5E09XA4**	2.3	7.8	15.5	47	56	820	1010	1270	1270	1110	94	9800	-
20	6.3	41	1450	0.89	72.72	IE5	**BF50-../S5E09XA4**	2	6.8	13.5	41	49.5	940	1160	1450	1450	1270	94	10700	-
20	6.3	36.5	1620	0.8	81.33	IE5	**BF50-../S5E09XA4**	1.8	6.1	12	36.5	44	1050	1300	1620	1620	1420	94	11300	-
20	6.3	96	620	3	31.2	IE5	**BF60-../S5E09XA4**	4.8	16	32	96	115	405	495	620	620	540	124	8800	24900
20	6.3	86	690	2.9	34.62	IE5	**BF60-../S5E09XA4**	4.3	14	28.5	86	103	450	550	690	690	600	124	9100	25700
20	6.3	72	830	2.5	41.6	IE5	**BF60-../S5E09XA4**	3.6	12	24	72	86	540	660	830	830	720	124	9600	27100
20	6.3	64	920	2.4	46.16	IE5	**BF60-../S5E09XA4**	3.2	10.5	21.5	64	77	600	730	920	920	800	124	9900	28000
20	6.3	55	1080	2.1	54.44	IE5	**BF60-../S5E09XA4**	2.7	9.1	18	55	66	700	870	1080	1080	950	124	10500	29700
20	6.3	49.5	1200	1.9	60.4	IE5	**BF60-../S5E09XA4**	2.4	8.2	16.5	49.5	59	780	960	1200	1200	1050	124	11100	31400
20	6.3	41.5	1440	1.6	72.15	IE5	**BF60-../S5E09XA4**	2	6.9	13.5	41.5	49.5	930	1150	1440	1440	1260	124	12000	34000
20	6.3	37	1600	1.4	80.05	IE5	**BF60-../S5E09XA4**	1.8	6.2	12	37	44.5	1040	1280	1600	1600	1400	124	12600	35600
20	6.3	32	1860	1.2	93.44	IE5	**BF60-../S5E09XA4**	1.6	5.3	10.5	32	38.5	1210	1490	1860	1860	1630	124	13500	38200
20	6.3	28.5	2050	1.1	103.7	IE5	**BF60-../S5E09XA4**	1.4	4.8	9.6	28.5	34.5	1340	1650	2050	2050	1810	124	14100	39900
20	6.3	26.5	2250	1	113.1	IE5	**BF60-../S5E09XA4**	1.3	4.4	8.8	26.5	31.5	1470	1800	2250	2250	1970	124	14600	41300
20	6.3	23.5	2500	0.92	125.5	IE5	**BF60-../S5E09XA4**	1.1	3.9	7.9	23.5	28.5	1630	2000	2500	2500	2150	124	15300	43300
20	6.3	21	2800	0.82	140.8	IE5	**BF60Z-../S5E09XA4**	1	3.5	7.1	21	25.5	1830	2250	2800	2800	2450	143	15300	43300
20	6.3	31	1900	2.7	95.46	IE5	**BF70-../S5E09XA4**	1.5	5.2	10	31	37.5	1240	1520	1900	1900	1670	210	14000	43700
20	6.3	28.5	2100	2.5	105.2	IE5	**BF70-../S5E09XA4**	1.4	4.7	9.5	28.5	34	1360	1680	2100	2100	1840	210	14700	45100
20	6.3	24	2450	2.1	122.7	IE5	**BF70-../S5E09XA4**	1.2	4	8.1	24	29	1590	1960	2450	2450	2100	210	16100	47700
20	6.3	22.5	2650	2	133	IE5	**BF70Z-../S5E09XA4**	1.1	3.7	7.5	22.5	27	1720	2100	2650	2650	2300	231	16100	47700
20	6.3	19	3050	1.7	154	IE5	**BF70Z-../S5E09XA4**	0.95	3.2	6.4	19	23	2000	2450	3050	3050	2650	231	16100	47700
20	6.3	16.5	3550	1.4	179.7	IE5	**BF70Z-../S5E09XA4**	0.8	2.7	5.5	16.5	20	2300	2850	3550	3550	3100	231	16100	47700
20	6.3	15	3950	1.3	199.7	IE5	**BF70Z-../S5E09XA4**	0.75	2.5	5	15	18	2550	3150	3950	3950	3450	231	16100	47700
20	6.3	12.5	4650	1.1	233	IE5	**BF70Z-../S5E09XA4**	0.6	2.1	4.2	12.5	15	3000	3700	4650	4650	4050	231	16100	47700
20	6.3	11.5	5100	1	258.7	IE5	**BF70Z-../S5E09XA4**	0.55	1.9	3.8	11.5	13.5	3350	4100	5100	5100	4500	231	16100	47700
20	6.3	9.9	6000	0.86	301.8	IE5	**BF70Z-../S5E09XA4**	0.49	1.6	3.3	9.9	11.5	3900	4800	6000	6000	5200	231	16100	47700
20	6.3	18.5	3150	3	158.5	IE5	**BF80-../S5E09XA4**	0.9	3.1	6.3	18.5	22.5	2050	2500	3150	3150	2750	307	29000	75000
20	6.3	16	3650	2.6	184.5	IE5	**BF80-../S5E09XA4**	0.8	2.7	5.4	16	19.5	2350	2950	3650	3650	3200	307	31800	75000
20	6.3	14	4150	2.3	209.4	IE5	**BF80-../S5E09XA4**	0.7	2.3	4.7	14	17	2700	3350	4150	4150	3650	307	34300	75000
20	6.3	12.5	4700	2	237.1	IE5	**BF80-../S5E09XA4**	0.6	2.1	4.2	12.5	15	3050	3750	4700	4700	4100	307	36900	75000
20	6.3	11	5300	1.8	269.1	IE5	**BF80-../S5E09XA4**	0.55	1.8	3.7	11	13	3450	4300	5300	5300	4700	307	39600	75000
20	6.3	10	5800	1.8	291.7	IE5	**BF80Z-../S5E09XA4**	0.5	1.7	3.4	10	12	3750	4650	5800	5800	5100	348	39600	75000
20	6.3	8.6	6900	1.5	347.3	IE5	**BF80Z-../S5E09XA4**	0.43	1.4	2.8	8.6	10	4500	5500	6900	6900	6000	348	39600	75000

MN = 20 Nm (PN = 6.3 kW)



M_N	P_N	n_2	M_2	f_B	i	IE-Classe	Type	Speed range n_2 [1/min] at motor speed n_1 [1/min]					Torque range M_2 [Nm] at motor speed n_1 [1/min]					m	F_{RN}	F_{RV}
[Nm]	[kW]	[1/min]	[Nm]	[--]	[:1]			150	500	1000	3000	3600	150	500	1000	3000	3600	[kg]	[N]	[N]
20	6.3	7.6	7800	1.3	394.2	IE5	**BF80Z-../S5E09XA4**	0.38	1.2	2.5	7.6	9.1	5100	6300	7800	7800	6800	348	39600	75000
20	6.3	6.6	9000	1.2	450.4	IE5	**BF80Z-../S5E09XA4**	0.33	1.1	2.2	6.6	7.9	5800	7200	9000	9000	7800	348	39600	75000
20	6.3	5.8	10200	1	511.2	IE5	**BF80Z-../S5E09XA4**	0.29	0.95	1.9	5.8	7	6600	8100	10200	10200	8900	348	39600	75000
20	6.3	5.1	11600	0.9	583.4	IE5	**BF80Z-../S5E09XA4**	0.25	0.85	1.7	5.1	6.1	7500	9300	11600	11600	10200	348	39600	75000
20	6.3	8.7	6800	2.7	343.6	IE5	**BF90Z-../S5E09XA4**	0.43	1.4	2.9	8.7	10	4450	5400	6800	6800	6000	612	42800	120000
20	6.3	7.8	7600	2.4	382.6	IE5	**BF90Z-../S5E09XA4**	0.39	1.3	2.6	7.8	9.4	4950	6100	7600	7600	6600	612	42800	120000
20	6.3	6.5	9100	2	456.7	IE5	**BF90Z-../S5E09XA4**	0.32	1	2.1	6.5	7.8	5900	7300	9100	9100	7900	612	42800	120000
20	6.3	5.8	10100	1.8	508.5	IE5	**BF90Z-../S5E09XA4**	0.29	0.95	1.9	5.8	7	6600	8100	10100	10100	8800	612	42800	120000
20	6.3	5	11800	1.6	591.1	IE5	**BF90Z-../S5E09XA4**	0.25	0.8	1.6	5	6	7600	9400	11800	11800	10300	612	42800	120000
20	6.3	4.5	13100	1.4	658.1	IE5	**BF90Z-../S5E09XA4**	0.22	0.75	1.5	4.5	5.4	8500	10500	13100	13100	11500	612	42800	120000
20	6.3	3.9	15100	1.2	759	IE5	**BF90Z-../S5E09XA4**	0.19	0.65	1.3	3.9	4.7	9800	12100	15100	15100	13200	612	42800	120000
20	6.3	3.5	16900	1.1	845.1	IE5	**BF90Z-../S5E09XA4**	0.17	0.55	1.1	3.5	4.2	10900	13500	16900	16900	14700	612	42800	120000
20	6.3	3	19500	0.95	976.1	IE5	**BF90G50-../S5E09XA4**	0.15	0.5	1	3	3.6	12600	15600	19500	19500	17000	624	42800	120000
20	6.3	2.8	20500	0.89	1043	IE5	**BF90G50-../S5E09XA4**	0.14	0.47	0.95	2.8	3.4	13500	16600	20500	20500	18200	624	42800	120000

MN = 24 Nm (PN = 7.5 kW)

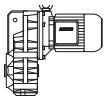


M_N	P_N	n_2	M_2	f_B	i	IE-Classe	Type	Speed range n_2 [1/min] at motor speed n_1 [1/min]					Torque range M_2 [Nm] at motor speed n_1 [1/min]					m	F_{RN}	F_{RV}
[Nm]	[kW]	[1/min]	[Nm]	[--]	[:1]			150	500	1000	3000	3600	150	500	1000	3000	3600	[kg]	[N]	[N]
24	7.5	470	152	1.7	6.34	IE4	**BF30-../S4E11SA6**	23.5	78	157	470	560	120	136	152	152	152	66	2400	-
24	7.5	470	152	1.7	6.34	IE5	**BF30-../S5E11MA6**	23.5	78	157	470	560	152	152	152	152	152	66	2400	-
24	7.5	370	193	1.5	8.07	IE4	**BF30-../S4E11SA6**	18.5	61	123	370	445	153	173	193	193	193	66	2650	-
24	7.5	370	193	1.5	8.07	IE5	**BF30-../S5E11MA6**	18.5	61	123	370	445	193	193	193	193	193	66	2650	-
24	7.5	300	235	1.3	9.99	IE4	**BF30-../S4E11SA6**	15	50	100	300	360	189	210	235	235	235	66	2850	-
24	7.5	300	235	1.3	9.99	IE5	**BF30-../S5E11MA6**	15	50	100	300	360	235	235	235	235	235	66	2850	-
24	7.5	230	305	1.2	12.91	IE4	**BF30-../S4E11SA6**	11.5	38.5	77	230	275	245	275	305	305	305	66	3050	-
24	7.5	230	305	1.2	12.91	IE5	**BF30-../S5E11MA6**	11.5	38.5	77	230	275	305	305	305	305	305	66	3050	-
24	7.5	187	380	1.1	16	IE4	**BF30-../S4E11SA6**	9.3	31	62	187	225	300	340	380	380	380	66	3250	-
24	7.5	187	380	1.1	16	IE5	**BF30-../S5E11MA6**	9.3	31	62	187	225	380	380	380	380	380	66	3250	-
24	7.5	169	420	1.1	17.65	IE4	**BF30-../S4E11SA6**	8.4	28	56	169	200	335	375	420	420	420	66	3300	-
24	7.5	169	420	1.1	17.65	IE5	**BF30-../S5E11MA6**	8.4	28	56	169	200	420	420	420	420	420	66	3300	-
24	7.5	154	465	1.1	19.41	IE4	**BF30-../S4E11SA6**	7.7	25.5	51	154	185	365	415	465	465	465	66	3400	-
24	7.5	154	465	1.1	19.41	IE5	**BF30-../S5E11MA6**	7.7	25.5	51	154	185	465	465	465	465	465	66	3400	-
24	7.5	137	520	0.99	21.85	IE4	**BF30-../S4E11SA6**	6.8	22.5	45.5	137	164	415	465	520	520	520	66	3500	-
24	7.5	137	520	0.99	21.85	IE5	**BF30-../S5E11MA6**	6.8	22.5	45.5	137	164	520	520	520	520	520	66	3500	-
24	7.5	124	570	0.95	24.03	IE4	**BF30-../S4E11SA6**	6.2	20.5	41.5	124	149	455	510	570	570	570	66	3600	-
24	7.5	124	570	0.95	24.03	IE5	**BF30-../S5E11MA6**	6.2	20.5	41.5	124	149	570	570	570	570	570	66	3600	-
24	7.5	106	670	0.84	28.23	IE4	**BF30-../S4E11SA6**	5.3	17.5	35	106	127	530	600	670	670	670	66	3800	-
24	7.5	106	670	0.84	28.23	IE5	**BF30-../S5E11MA6**	5.3	17.5	35	106	127	670	670	670	670	670	66	3800	-
24	7.5	510	140	2.4	5.87	IE4	**BF40-../S4E11SA6**	25.5	85	170	510	610	111	126	140	140	140	80	3550	-
24	7.5	510	140	2.4	5.87	IE5	**BF40-../S5E11MA6**	25.5	85	170	510	610	140	140	140	140	140	80	3550	-
24	7.5	390	182	2	7.62	IE4	**BF40-../S4E11SA6**	19.5	65	131	390	470	144	163	182	182	182	80	3900	-
24	7.5	390	182	2	7.62	IE5	**BF40-../S5E11MA6**	19.5	65	131	390	470	182	182	182	182	182	80	3900	-
24	7.5	315	225	1.8	9.48	IE4	**BF40-../S4E11SA6**	15.5	52	105	315	375	180	200	225	225	225	80	4150	-
24	7.5	315	225	1.8	9.48	IE5	**BF40-../S5E11MA6**	15.5	52	105	315	375	225	225	225	225	225	80	4150	-
24	7.5	250	280	1.6	11.79	IE4	**BF40-../S4E11SA6**	12.5	42	84	250	305	220	250	280	280	280	80	4450	-
24	7.5	250	280	1.6	11.79	IE5	**BF40-../S5E11MA6**	12.5	42	84	250	305	280	280	280	280	280	80	4450	-
24	7.5	199	360	1.4	15.02	IE4	**BF40-../S4E11SA6**	9.9	33	66	199	235	285	320	360	360	360	80	4800	-
24	7.5	199	360	1.4	15.02	IE5	**BF40-../S5E11MA6**	9.9	33	66	199	235	360	360	360	360	360	80	4800	-
24	7.5	172	415	1.5	17.35	IE4	**BF40-../S4E11SA6**	8.6	28.5	57	172	205	325	370	415	415	415	80	4950	-
24	7.5	172	415	1.5	17.35	IE5	**BF40-../S5E11MA6**	8.6	28.5	57	172	205	415	415	415	415	415	80	4950	-
24	7.5	157	455	1.4	19.09	IE4	**BF40-../S4E11SA6**	7.8	26	52	157	188	360	410	455	455	455	80	5100	-
24	7.5	157	455	1.4	19.09	IE5	**BF40-../S5E11MA6**	7.8	26	52	157	188	455	455	455	455	455	80	5100	-
24	7.5	138	510	1.4	21.6	IE4	**BF40-../S4E11SA6**	6.9	23	46	138	166	410	460	510	510	510	80	5200	-
24	7.5	138	510	1.4	21.6	IE5	**BF40-../S5E11MA6**	6.9	23	46	138	166	510	510	510	510	510	80	5200	-
24	7.5	126	570	1.3	23.77	IE4	**BF40-../S4E11SA6**	6.3	21	42	126	151	450	510	570	570	570	80	5400	-
24	7.5	126	570	1.3	23.77	IE5	**BF40-../S5E11MA6**	6.3	21	42	126	151	570	570	570	570	570	80	5400	-
24	7.5	111	640	1.2	26.86	IE4	**BF40-../S4E11SA6**	5.5	18.5	37	111	134	510	570	640	640	640	80	5600	-
24	7.5	111	640	1.2	26.86	IE5	**BF40-../S5E11MA6**	5.5	18.5	37	111	134	640	640	640	640	640	80	5600	-
24	7.5	101	700	1.1	29.55	IE4	**BF40-../S4E11SA6**	5	16.5	33.5	101	121	560	630	700	700	700	80	5800	-
24	7.5	101	700	1.1	29.55	IE5	**BF40-../S5E11MA6**	5	16.5	33.5	101	121	700	700	700	700	700	80	5800	-
24	7.5	87	820	1	34.21	IE4	**BF40-../S4E11SA6**	4.3	14.5	29	87	105	640	730	820	820	820	80	6000	-
24	7.5	87	820	1	34.21	IE5	**BF40-../S5E11MA6**	4.3	14.5	29	87	105	820	820	820	820	820	80	6000	-
24	7.5	79	900	0.99	37.64	IE4	**BF40-../S4E11SA6**	3.9	13	26.5	79	95	710	800	900	900	900	80	6200	-
24	7.5	79	900	0.99	37.64	IE5	**BF40-../S5E11MA6**	3.9	13	26.5	79	95	900	900	900	900	900	80	6200	-
24	7.5	72	990	0.91	41.42	IE4	**BF40-../S4E11SA6**	3.6	12	24	72	86	780	890	990	990	990	80	6500	-
24	7.5	72	990	0.91	41.42	IE5	**BF40-../S5E11MA6**	3.6	12	24	72	86	990	990	990	990	990	80	6500	-
24	7.5	65	1090	0.82	45.56	IE4	**BF40-../S4E11SA6**	3.2	10.5	21.5	65	79	860	970	1090	1090	1090	80	6800	-
24	7.5	65	1090	0.82	45.56	IE5	**BF40-../S5E11MA6**	3.2	10.5	21.5	65	79	1090	1090	1090	1090	1090	80	6800	-
24	7.5	385	185	3	7.71	IE4	**BF50-../S4E11SA6**	19	64	129	385	465	146	165	185	185	185	110	5100	-
24	7.5	385	185	3	7.71	IE5	**BF50-../S5E11MA6**	19	64	129	385	465	185	185	185	185	185	110	5100	-
24	7.5	280	255	2.6	10.68	IE4	**BF50-../S4E11SA6**	14	46.5	93	280	335	200	225	255	255	255	110	5600	-
24	7.5	280	255	2.6	10.68	IE5	**BF50-../S5E11MA6**	14	46.5	93	280	335	255	255	255	255	255	110	5600	-

BF-series shaft-mounted geared motors

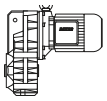
Selection - shaft-mounted geared motors - n_1 = 3000 $^1/_{min}$

MN = 24 Nm (PN = 7.5 kW)



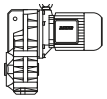
M_N	P_N	n_2	M_2	f_B	i	IE-Classe	Type	Speed range n_2 [1/min] at motor speed n_1 [1/min]					Torque range M_2 [Nm] at motor speed n_1 [1/min]					m	F_{RN}	F_{RV}
[Nm]	[kW]	[1/min]	[Nm]	[--]	[:1]			150	500	1000	3000	3600	150	500	1000	3000	3600	[kg]	[N]	[N]
24	7.5	200	350	2.2	14.65	IE4	**BF50-../S4E11SA6**	10	34	68	200	245	275	310	350	350	350	110	6100	-
24	7.5	200	350	2.2	14.65	IE5	**BF50-../S5E11MA6**	10	34	68	200	245	350	350	350	350	350	110	6100	-
24	7.5	179	400	2.4	16.7	IE4	**BF50-../S4E11SA6**	8.9	29.5	59	179	215	315	355	400	400	400	110	6200	-
24	7.5	179	400	2.4	16.7	IE5	**BF50-../S5E11MA6**	8.9	29.5	59	179	215	400	400	400	400	400	110	6200	-
24	7.5	160	445	2.2	18.68	IE4	**BF50-../S4E11SA6**	8	26.5	53	160	192	350	400	445	445	445	110	6400	-
24	7.5	160	445	2.2	18.68	IE5	**BF50-../S5E11MA6**	8	26.5	53	160	192	445	445	445	445	445	110	6400	-
24	7.5	129	550	2	23.14	IE4	**BF50-../S4E11SA6**	6.4	21.5	43	129	155	435	495	550	550	550	110	6800	-
24	7.5	129	550	2	23.14	IE5	**BF50-../S5E11MA6**	6.4	21.5	43	129	155	550	550	550	550	550	110	6800	-
24	7.5	115	620	1.9	25.88	IE4	**BF50-../S4E11SA6**	5.7	19	38.5	115	139	490	550	620	620	620	110	7100	-
24	7.5	115	620	1.9	25.88	IE5	**BF50-../S5E11MA6**	5.7	19	38.5	115	139	620	620	620	620	620	110	7100	-
24	7.5	94	760	1.7	31.73	IE4	**BF50-../S4E11SA6**	4.7	15.5	31.5	94	113	600	680	760	760	760	110	7500	-
24	7.5	94	760	1.7	31.73	IE5	**BF50-../S5E11MA6**	4.7	15.5	31.5	94	113	760	760	760	760	760	110	7500	-
24	7.5	84	850	1.5	35.49	IE4	**BF50-../S4E11SA6**	4.2	14	28	84	101	670	760	850	850	850	110	7800	-
24	7.5	84	850	1.5	35.49	IE5	**BF50-../S5E11MA6**	4.2	14	28	84	101	850	850	850	850	850	110	7800	-
24	7.5	71	1010	1.3	42.15	IE4	**BF50-../S4E11SA6**	3.5	11.5	23.5	71	85	800	900	1010	1010	1010	110	8500	-
24	7.5	71	1010	1.3	42.15	IE5	**BF50-../S5E11MA6**	3.5	11.5	23.5	71	85	1010	1010	1010	1010	1010	110	8500	-
24	7.5	63	1130	1.1	47.14	IE4	**BF50-../S4E11SA6**	3.1	10.5	21	63	76	890	1010	1130	1130	1130	110	8900	-
24	7.5	63	1130	1.1	47.14	IE5	**BF50-../S5E11MA6**	3.1	10.5	21	63	76	1130	1130	1130	1130	1130	110	8900	-
24	7.5	52	1360	0.95	56.86	IE4	**BF50-../S4E11SA6**	2.6	8.7	17.5	52	63	1080	1220	1360	1360	1360	110	9300	-
24	7.5	52	1360	0.95	56.86	IE5	**BF50-../S5E11MA6**	2.6	8.7	17.5	52	63	1360	1360	1360	1360	1360	110	9300	-
24	7.5	47	1520	0.85	63.59	IE4	**BF50-../S4E11SA6**	2.3	7.8	15.5	47	56	1200	1360	1520	1520	1520	110	9800	-
24	7.5	47	1520	0.85	63.59	IE5	**BF50-../S5E11MA6**	2.3	7.8	15.5	47	56	1520	1520	1520	1520	1520	110	9800	-
24	7.5	132	540	3	22.58	IE4	**BF60-../S4E11SA6**	6.6	22	44	132	159	425	485	540	540	540	141	8000	22600
24	7.5	132	540	3	22.58	IE5	**BF60-../S5E11MA6**	6.6	22	44	132	159	540	540	540	540	540	141	8000	22600
24	7.5	119	600	2.9	25.05	IE4	**BF60-../S4E11SA6**	5.9	19.5	39.5	119	143	475	530	600	600	600	141	8200	23200
24	7.5	119	600	2.9	25.05	IE5	**BF60-../S5E11MA6**	5.9	19.5	39.5	119	143	600	600	600	600	600	141	8200	23200
24	7.5	96	740	2.5	31.2	IE4	**BF60-../S4E11SA6**	4.8	16	32	96	115	590	670	740	740	740	141	8800	24900
24	7.5	96	740	2.5	31.2	IE5	**BF60-../S5E11MA6**	4.8	16	32	96	115	740	740	740	740	740	141	8800	24900
24	7.5	86	830	2.4	34.62	IE4	**BF60-../S4E11SA6**	4.3	14	28.5	86	103	650	740	830	830	830	141	9100	25700
24	7.5	86	830	2.4	34.62	IE5	**BF60-../S5E11MA6**	4.3	14	28.5	86	103	830	830	830	830	830	141	9100	25700
24	7.5	72	990	2.1	41.6	IE4	**BF60-../S4E11SA6**	3.6	12	24	72	86	790	890	990	990	990	141	9600	27100
24	7.5	72	990	2.1	41.6	IE5	**BF60-../S5E11MA6**	3.6	12	24	72	86	990	990	990	990	990	141	9600	27100
24	7.5	64	1100	2	46.16	IE4	**BF60-../S4E11SA6**	3.2	10.5	21.5	64	77	870	990	1100	1100	1100	141	9900	28000
24	7.5	64	1100	2	46.16	IE5	**BF60-../S5E11MA6**	3.2	10.5	21.5	64	77	1100	1100	1100	1100	1100	141	9900	28000
24	7.5	55	1300	1.8	54.44	IE4	**BF60-../S4E11SA6**	2.7	9.1	18	55	66	1030	1170	1300	1300	1300	141	10500	29700
24	7.5	55	1300	1.8	54.44	IE5	**BF60-../S5E11MA6**	2.7	9.1	18	55	66	1300	1300	1300	1300	1300	141	10500	29700
24	7.5	49.5	1440	1.6	60.4	IE4	**BF60-../S4E11SA6**	2.4	8.2	16.5	49.5	59	1140	1290	1440	1440	1440	141	11100	31400
24	7.5	49.5	1440	1.6	60.4	IE5	**BF60-../S5E11MA6**	2.4	8.2	16.5	49.5	59	1440	1440	1440	1440	1440	141	11100	31400
24	7.5	41.5	1730	1.3	72.15	IE4	**BF60-../S4E11SA6**	2	6.9	13.5	41.5	49.5	1370	1550	1730	1730	1730	141	12000	34000
24	7.5	41.5	1730	1.3	72.15	IE5	**BF60-../S5E11MA6**	2	6.9	13.5	41.5	49.5	1730	1730	1730	1730	1730	141	12000	34000
24	7.5	37	1920	1.2	80.05	IE4	**BF60-../S4E11SA6**	1.8	6.2	12	37	44.5	1520	1720	1920	1920	1920	141	12600	35600
24	7.5	37	1920	1.2	80.05	IE5	**BF60-../S5E11MA6**	1.8	6.2	12	37	44.5	1920	1920	1920	1920	1920	141	12600	35600
24	7.5	32	2200	1	93.44	IE4	**BF60-../S4E11SA6**	1.6	5.3	10.5	32	38.5	1770	2000	2200	2200	2200	141	13500	38200
24	7.5	32	2200	1	93.44	IE5	**BF60-../S5E11MA6**	1.6	5.3	10.5	32	38.5	2200	2200	2200	2200	2200	141	13500	38200
24	7.5	28.5	2450	0.92	103.7	IE4	**BF60-../S4E11SA6**	1.4	4.8	9.6	28.5	34.5	1970	2200	2450	2450	2450	141	14100	39900
24	7.5	28.5	2450	0.92	103.7	IE5	**BF60-../S5E11MA6**	1.4	4.8	9.6	28.5	34.5	2450	2450	2450	2450	2450	141	14100	39900
24	7.5	26.5	2700	0.85	113.1	IE4	**BF60-../S4E11SA6**	1.3	4.4	8.8	26.5	31.5	2100	2400	2700	2700	2700	141	14600	41300
24	7.5	26.5	2700	0.85	113.1	IE5	**BF60-../S5E11MA6**	1.3	4.4	8.8	26.5	31.5	2700	2700	2700	2700	2700	141	14600	41300
24	7.5	41.5	1730	3	72.26	IE4	**BF70-../S4E11SA6**	2	6.9	13.5	41.5	49.5	1370	1550	1730	1730	1730	220	12000	39600
24	7.5	41.5	1730	3	72.26	IE5	**BF70-../S5E11MA6**	2	6.9	13.5	41.5	49.5	1730	1730	1730	1730	1730	220	12000	39600
24	7.5	36.5	1960	2.6	81.82	IE4	**BF70-../S4E11SA6**	1.8	6.1	12	36.5	43.5	1550	1750	1960	1960	1960	220	12800	41300
24	7.5	36.5	1960	2.6	81.82	IE5	**BF70-../S5E11MA6**	1.8	6.1	12	36.5	43.5	1960	1960	1960	1960	1960	220	12800	41300
24	7.5	31	2250	2.3	95.46	IE4	**BF70-../S4E11SA6**	1.5	5.2	10	31	37.5	1810	2050	2250	2250	2250	220	14000	43700
24	7.5	31	2250	2.3	95.46	IE5	**BF70-../S5E11MA6**	1.5	5.2	10	31	37.5	2250	2250	2250	2250	2250	220	14000	43700
24	7.5	28.5	2500	2.1	105.2	IE4	**BF70-../S4E11SA6**	1.4	4.7	9.5	28.5	34	1990	2250	2500	2500	2500	220	14700	45100
24	7.5	28.5	2500	2.1	105.2	IE5	**BF70-../S5E11MA6**	1.4	4.7	9.5	28.5	34	2500	2500	2500	2500	2500	220	14700	45100
24	7.5	24	2900	1.8	122.7	IE4	**BF70-../S4E11SA6**	1.2	4	8.1	24	29	2300	2600	2900	2900	2900	220	16100	47700
24	7.5	24	2900	1.8	122.7	IE5	**BF70-../S5E11MA6**	1.2	4	8.1	24	29	2900	2900	2900	2900	2900	220	16100	47700
24	7.5	22.5	3150	1.6	133	IE4	**BF70Z-../S4E11SA6**	1.1	3.7	7.5	22.5	27	2500	2850	3150	3150	3150	247	16100	47700
24	7.5	22.5	3150	1.6	133	IE5	**BF70Z-../S5E11MA6**	1.1	3.7	7.5	22.5	27	3150	3150	3150	3150	3150	247	16100	47700
24	7.5	19	3650	1.4	154	IE4	**BF70Z-../S4E11SA6**	0.95	3.2	6.4	19	23	2900	3300	3650	3650	3650	247	16100	47700
24	7.5	19	3650	1.4	154	IE5	**BF70Z-../S5E11MA6**	0.95	3.2	6.4	19	23	3650	3650	3650	3650	3650	247	16100	47700
24	7.5	16.5	4300	1.2	179.7	IE4	**BF70Z-../S4E11SA6**	0.8	2.7	5.5	16.5	20	3400	3850	4300	4300	4300	247	16100	47700
24	7.5	16.5	4300	1.2	179.7	IE5	**BF70Z-../S5E11MA6**	0.8	2.7	5.5	16.5	20	4300	4300	4300	4300	4300	247	16100	47700
24	7.5	15	4750	1.1	199.7	IE4	**BF70Z-../S4E11SA6**	0.75	2.5	5	15	18	3750	4250	4750	4750	4750	247	16100	47700
24	7.5	15	4750	1.1	199.7	IE5	**BF70Z-../S5E11MA6**	0.75	2.5	5	15	18	4750	4750	4750	4750	4750	247	16100	47700
24	7.5	12.5	5500	0.93	233	IE4	**BF70Z-../S4E11SA6**	0.6	2.1	4.2	12.5	15	4400	5000	5500	5500	5500	247	16100	47700
24	7.5	12.5	5500	0.93	233	IE5	**BF70Z-../S5E11MA6**	0.6	2.1	4.2	12.5	15	5500	5500	5500	5500	5500	247	16100	47700
24	7.5	11.5	6200	0.84	258.7	IE4	**BF70Z-../S4E11SA6**	0.55	1.9	3.8	11.5	13.5	4900	5500	6200	6200	6200	247	16100	47700
24	7.5	11.5	6200	0.84	258.7	IE5	**BF70Z-../S5E11MA6**	0.55	1.9	3.8	11.5	13.5	6200	6200	6200	6200	6200	247	16100	47700
24	7.5	21	3350	2.8	139.7	IE4	**BF80-../S4E11SA6**	1	3.5	7.1	21	25.5	2650	3000	3350	3350	3350	316	26700	75000
24	7.5	21	3350	2.8	139.7	IE5	**BF80-../S5E11MA6**	1	3.5	7.1	21	25.5	3350	3350	3350	3350	3350	316	26700	75000
24	7.5	18.5	3800	2.5	158.5	IE4	**BF80-../S4E11SA6**	0.9	3.1	6.3	18.5	22.5	3000	3400	3800	3800	3800	316	29000	75000
24	7.5	18.5	3800	2.5	158.5	IE5	**BF80-../S5E11MA6**	0.9	3.1	6.3	18.5	22.5	3800	3800	3800	3800	3800	316	29000	75000
24	7.5	16	4400	2.1	184.5	IE4	**BF80-../S4E11SA6**	0.8	2.7	5.4	16	19.5	3500	3950	4400	4400	4400	316	31800	75000
24	7.5	16	4400	2.1	184.5	IE5	**BF80-../S5E11MA6**	0.8	2.7	5.4	16	19.5	4400	4400	4400	4400	4400	316	31800	75000
24	7.5	14	5000	1.9	209.4	IE4	**BF80-../S4E11SA6**	0.7	2.3	4.7	14	17	3950	4500	5000	5000	5000	316	34300	75000
24	7.5	14	5000	1.9	209.4	IE5	**BF80-../S5E11MA6**	0.7	2.3	4.7	14	17	5000	5000	5000	5000	5000	316	34300	75000
24	7.5	12.5	5600	1.7	237.1	IE4	**BF80-../S4E11SA6**	0.6	2.1	4.2	12.5	15	4500	5000	5600	5600	5600	316	36900	75000

MN = 24 Nm (PN = 7.5 kW)



M_N	P_N	n_2	M_2	f_B	i	IE-Classe	Type	Speed range n_2 [1/min] at motor speed n_1 [1/min]					Torque range M_2 [Nm] at motor speed n_1 [1/min]					m	F_{RN}	F_{RV}
[Nm]	[kW]	[1/min]	[Nm]	[--]	[:1]			150	500	1000	3000	3600	150	500	1000	3000	3600	[kg]	[N]	[N]
24	7.5	12.5	5600	1.7	237.1	IE5	**BF80-../S5E11MA6**	0.6	2.1	4.2	12.5	15	5600	5600	5600	5600	5600	316	36900	75000
24	7.5	11	6400	1.5	269.1	IE4	**BF80-../S4E11SA6**	0.55	1.8	3.7	11	13	5100	5700	6400	6400	6400	316	39600	75000
24	7.5	11	6400	1.5	269.1	IE5	**BF80-../S5E11MA6**	0.55	1.8	3.7	11	13	6400	6400	6400	6400	6400	316	39600	75000
24	7.5	10	7000	1.5	291.7	IE4	**BF80Z-../S4E11SA6**	0.5	1.7	3.4	10	12	5500	6200	7000	7000	7000	363	39600	75000
24	7.5	10	7000	1.5	291.7	IE5	**BF80Z-../S5E11MA6**	0.5	1.7	3.4	10	12	7000	7000	7000	7000	7000	363	39600	75000
24	7.5	8.6	8300	1.3	347.3	IE4	**BF80Z-../S4E11SA6**	0.43	1.4	2.8	8.6	10	6500	7400	8300	8300	8300	363	39600	75000
24	7.5	8.6	8300	1.3	347.3	IE5	**BF80Z-../S5E11MA6**	0.43	1.4	2.8	8.6	10	8300	8300	8300	8300	8300	363	39600	75000
24	7.5	7.6	9400	1.1	394.2	IE4	**BF80Z-../S4E11SA6**	0.38	1.2	2.5	7.6	9.1	7400	8400	9400	9400	9400	363	39600	75000
24	7.5	7.6	9400	1.1	394.2	IE5	**BF80Z-../S5E11MA6**	0.38	1.2	2.5	7.6	9.1	9400	9400	9400	9400	9400	363	39600	75000
24	7.5	6.6	10800	0.97	450.4	IE4	**BF80Z-../S4E11SA6**	0.33	1.1	2.2	6.6	7.9	8500	9600	10800	10800	10800	363	39600	75000
24	7.5	6.6	10800	0.97	450.4	IE5	**BF80Z-../S5E11MA6**	0.33	1.1	2.2	6.6	7.9	10800	10800	10800	10800	10800	363	39600	75000
24	7.5	5.8	12200	0.86	511.2	IE4	**BF80Z-../S4E11SA6**	0.29	0.95	1.9	5.8	7	9700	10900	12200	12200	12200	363	39600	75000
24	7.5	5.8	12200	0.86	511.2	IE5	**BF80Z-../S5E11MA6**	0.29	0.95	1.9	5.8	7	12200	12200	12200	12200	12200	363	39600	75000
24	7.5	12.5	5500	3	232.6	IE4	**BF90-../S4E11SA6**	0.6	2.1	4.2	12.5	15	4400	5000	5500	5500	5500	569	39900	118300
24	7.5	12.5	5500	3	232.6	IE5	**BF90-../S5E11MA6**	0.6	2.1	4.2	12.5	15	5500	5500	5500	5500	5500	569	39900	118300
24	7.5	11.5	6200	2.7	259	IE4	**BF90-../S4E11SA6**	0.55	1.9	3.8	11.5	13.5	4900	5500	6200	6200	6200	569	42800	120000
24	7.5	11.5	6200	2.7	259	IE5	**BF90-../S5E11MA6**	0.55	1.9	3.8	11.5	13.5	6200	6200	6200	6200	6200	569	42800	120000
24	7.5	11	6400	2.9	269.8	IE4	**BF90Z-../S4E11SA6**	0.55	1.8	3.7	11	13	5100	5800	6400	6400	6400	629	42800	120000
24	7.5	11	6400	2.9	269.8	IE5	**BF90Z-../S5E11MA6**	0.55	1.8	3.7	11	13	6400	6400	6400	6400	6400	629	42800	120000
24	7.5	9.9	7200	2.6	300.4	IE4	**BF90Z-../S4E11SA6**	0.49	1.6	3.3	9.9	11.5	5700	6400	7200	7200	7200	629	42800	120000
24	7.5	9.9	7200	2.6	300.4	IE5	**BF90Z-../S5E11MA6**	0.49	1.6	3.3	9.9	11.5	7200	7200	7200	7200	7200	629	42800	120000
24	7.5	8.7	8200	2.2	343.6	IE4	**BF90Z-../S4E11SA6**	0.43	1.4	2.9	8.7	10	6500	7300	8200	8200	8200	629	42800	120000
24	7.5	8.7	8200	2.2	343.6	IE5	**BF90Z-../S5E11MA6**	0.43	1.4	2.9	8.7	10	8200	8200	8200	8200	8200	629	42800	120000
24	7.5	7.8	9100	2	382.6	IE4	**BF90Z-../S4E11SA6**	0.39	1.3	2.6	7.8	9.4	7200	8200	9100	9100	9100	629	42800	120000
24	7.5	7.8	9100	2	382.6	IE5	**BF90Z-../S5E11MA6**	0.39	1.3	2.6	7.8	9.4	9100	9100	9100	9100	9100	629	42800	120000
24	7.5	6.5	10900	1.7	456.7	IE4	**BF90Z-../S4E11SA6**	0.32	1	2.1	6.5	7.8	8600	9800	10900	10900	10900	629	42800	120000
24	7.5	6.5	10900	1.7	456.7	IE5	**BF90Z-../S5E11MA6**	0.32	1	2.1	6.5	7.8	10900	10900	10900	10900	10900	629	42800	120000
24	7.5	5.8	12200	1.5	508.5	IE4	**BF90Z-../S4E11SA6**	0.29	0.95	1.9	5.8	7	9600	10900	12200	12200	12200	629	42800	120000
24	7.5	5.8	12200	1.5	508.5	IE5	**BF90Z-../S5E11MA6**	0.29	0.95	1.9	5.8	7	12200	12200	12200	12200	12200	629	42800	120000
24	7.5	5	14100	1.3	591.1	IE4	**BF90Z-../S4E11SA6**	0.25	0.8	1.6	5	6	11200	12700	14100	14100	14100	629	42800	120000
24	7.5	5	14100	1.3	591.1	IE5	**BF90Z-../S5E11MA6**	0.25	0.8	1.6	5	6	14100	14100	14100	14100	14100	629	42800	120000
24	7.5	4.5	15700	1.2	658.1	IE4	**BF90Z-../S4E11SA6**	0.22	0.75	1.5	4.5	5.4	12500	14100	15700	15700	15700	629	42800	120000
24	7.5	4.5	15700	1.2	658.1	IE5	**BF90Z-../S5E11MA6**	0.22	0.75	1.5	4.5	5.4	15700	15700	15700	15700	15700	629	42800	120000
24	7.5	3.9	18200	1	759	IE4	**BF90Z-../S4E11SA6**	0.19	0.65	1.3	3.9	4.7	14400	16300	18200	18200	18200	629	42800	120000
24	7.5	3.9	18200	1	759	IE5	**BF90Z-../S5E11MA6**	0.19	0.65	1.3	3.9	4.7	18200	18200	18200	18200	18200	629	42800	120000
24	7.5	3.5	20000	0.91	845.1	IE4	**BF90Z-../S4E11SA6**	0.17	0.55	1.1	3.5	4.2	16000	18100	20000	20000	20000	629	42800	120000
24	7.5	3.5	20000	0.91	845.1	IE5	**BF90Z-../S5E11MA6**	0.17	0.55	1.1	3.5	4.2	20000	20000	20000	20000	20000	629	42800	120000

MN = 30 Nm (PN = 9.5 kW)

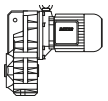


M_N	P_N	n_2	M_2	f_B	i	IE-Classe	Type	Speed range n_2 [1/min] at motor speed n_1 [1/min]					Torque range M_2 [Nm] at motor speed n_1 [1/min]					m	F_{RN}	F_{RV}
[Nm]	[kW]	[1/min]	[Nm]	[--]	[:1]			150	500	1000	3000	3600	150	500	1000	3000	3600	[kg]	[N]	[N]
30	9.5	470	190	1.4	6.34	IE5	**BF30-../S5E11LA6**	23.5	78	157	470	560	190	190	190	190	190	78	2400	-
30	9.5	470	190	1.4	6.34	IE5	**BF30-../S5E11MA6**	23.5	78	157	470	560	168	190	190	190	190	66	2400	-
30	9.5	370	240	1.2	8.07	IE5	**BF30-../S5E11LA6**	18.5	61	123	370	445	240	240	240	240	240	78	2650	-
30	9.5	370	240	1.2	8.07	IE5	**BF30-../S5E11MA6**	18.5	61	123	370	445	210	240	240	240	240	66	2650	-
30	9.5	300	295	1.1	9.99	IE5	**BF30-../S5E11LA6**	15	50	100	300	360	295	295	295	295	295	78	2850	-
30	9.5	300	295	1.1	9.99	IE5	**BF30-../S5E11MA6**	15	50	100	300	360	260	295	295	295	295	66	2850	-
30	9.5	230	385	0.94	12.91	IE5	**BF30-../S5E11LA6**	11.5	38.5	77	230	275	385	385	385	385	385	78	3050	-
30	9.5	230	385	0.94	12.91	IE5	**BF30-../S5E11MA6**	11.5	38.5	77	230	275	340	385	385	385	385	66	3050	-
30	9.5	187	480	0.84	16	IE5	**BF30-../S5E11LA6**	9.3	31	62	187	225	480	480	480	480	480	78	3250	-
30	9.5	187	480	0.84	16	IE5	**BF30-../S5E11MA6**	9.3	31	62	187	225	420	480	480	480	480	66	3250	-
30	9.5	169	520	0.9	17.65	IE5	**BF30-../S5E11LA6**	8.4	28	56	169	200	520	520	520	520	520	78	3300	-
30	9.5	169	520	0.9	17.65	IE5	**BF30-../S5E11MA6**	8.4	28	56	169	200	465	520	520	520	520	66	3300	-
30	9.5	154	580	0.86	19.41	IE5	**BF30-../S5E11LA6**	7.7	25.5	51	154	185	580	580	580	580	580	78	3400	-
30	9.5	154	580	0.86	19.41	IE5	**BF30-../S5E11MA6**	7.7	25.5	51	154	185	510	580	580	580	580	66	3400	-
30	9.5	510	176	1.9	5.87	IE5	**BF40-../S5E11LA6**	25.5	85	170	510	610	176	176	176	176	176	92	3550	-
30	9.5	510	176	1.9	5.87	IE5	**BF40-../S5E11MA6**	25.5	85	170	510	610	155	176	176	176	176	80	3550	-
30	9.5	390	225	1.6	7.62	IE5	**BF40-../S5E11LA6**	19.5	65	131	390	470	225	225	225	225	225	92	3900	-
30	9.5	390	225	1.6	7.62	IE5	**BF40-../S5E11MA6**	19.5	65	131	390	470	200	225	225	225	225	80	3900	-
30	9.5	315	280	1.5	9.48	IE5	**BF40-../S5E11LA6**	15.5	52	105	315	375	280	280	280	280	280	92	4150	-
30	9.5	315	280	1.5	9.48	IE5	**BF40-../S5E11MA6**	15.5	52	105	315	375	250	280	280	280	280	80	4150	-
30	9.5	250	350	1.3	11.79	IE5	**BF40-../S5E11LA6**	12.5	42	84	250	305	350	350	350	350	350	92	4450	-
30	9.5	250	350	1.3	11.79	IE5	**BF40-../S5E11MA6**	12.5	42	84	250	305	310	350	350	350	350	80	4450	-
30	9.5	199	450	1.2	15.02	IE5	**BF40-../S5E11LA6**	9.9	33	66	199	235	450	450	450	450	450	92	4800	-
30	9.5	199	450	1.2	15.02	IE5	**BF40-../S5E11MA6**	9.9	33	66	199	235	395	450	450	450	450	80	4800	-
30	9.5	172	520	1.2	17.35	IE5	**BF40-../S5E11LA6**	8.6	28.5	57	172	205	520	520	520	520	520	92	4950	-
30	9.5	172	520	1.2	17.35	IE5	**BF40-../S5E11MA6**	8.6	28.5	57	172	205	455	520	520	520	520	80	4950	-
30	9.5	157	570	1.2	19.09	IE5	**BF40-../S5E11LA6**	7.8	26	52	157	188	570	570	570	570	570	92	5100	-
30	9.5	157	570	1.2	19.09	IE5	**BF40-../S5E11MA6**	7.8	26	52	157	188	500	570	570	570	570	80	5100	-
30	9.5	138	640	1.1	21.6	IE5	**BF40-../S5E11LA6**	6.9	23	46	138	166	640	640	640	640	640	92	5200	-
30	9.5	138	640	1.1	21.6	IE5	**BF40-../S5E11MA6**	6.9	23	46	138	166	570	640	640	640	640	80	5200	-
30	9.5	126	710	1	23.77	IE5	**BF40-../S5E11LA6**	6.3	21	42	126	151	710	710	710	710	710	92	5400	-
30	9.5	126	710	1	23.77	IE5	**BF40-../S5E11MA6**	6.3	21	42	126	151	620	710	710	710	710	80	5400	-

BF-series shaft-mounted geared motors

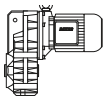
Selection - shaft-mounted geared motors - n_1 = 3000 $^1/_{min}$

MN = 30 Nm (PN = 9.5 kW)



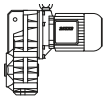
M_N	P_N	n_2	M_2	f_B	i	IE-Classe	Type	Speed range n_2 [1/min] at motor speed n_1 [1/min]					Torque range M_2 [Nm] at motor speed n_1 [1/min]					m	F_{RN}	F_{RV}
[Nm]	[kW]	[1/min]	[Nm]	[--]	[:1]			150	500	1000	3000	3600	150	500	1000	3000	3600	[kg]	[N]	[N]
30	9.5	111	800	0.96	26.86	IE5	**BF40-../S5E11LA6**	5.5	18.5	37	111	134	800	800	800	800	800	92	5600	-
30	9.5	111	800	0.96	26.86	IE5	**BF40-../S5E11MA6**	5.5	18.5	37	111	134	710	800	800	800	800	80	5600	-
30	9.5	101	880	0.9	29.55	IE5	**BF40-../S5E11LA6**	5	16.5	33.5	101	121	880	880	880	880	880	92	5800	-
30	9.5	101	880	0.9	29.55	IE5	**BF40-../S5E11MA6**	5	16.5	33.5	101	121	780	880	880	880	880	80	5800	-
30	9.5	87	1020	0.83	34.21	IE5	**BF40-../S5E11LA6**	4.3	14.5	29	87	105	1020	1020	1020	1020	1020	92	6000	-
30	9.5	87	1020	0.83	34.21	IE5	**BF40-../S5E11MA6**	4.3	14.5	29	87	105	900	1020	1020	1020	1020	80	6000	-
30	9.5	385	230	2.4	7.71	IE5	**BF50-../S5E11LA6**	19	64	129	385	465	230	230	230	230	230	122	5100	-
30	9.5	385	230	2.4	7.71	IE5	**BF50-../S5E11MA6**	19	64	129	385	465	200	230	230	230	230	110	5100	-
30	9.5	280	320	2.1	10.68	IE5	**BF50-../S5E11LA6**	14	46.5	93	280	335	320	320	320	320	320	122	5600	-
30	9.5	280	320	2.1	10.68	IE5	**BF50-../S5E11MA6**	14	46.5	93	280	335	280	320	320	320	320	110	5600	-
30	9.5	200	435	1.8	14.65	IE5	**BF50-../S5E11LA6**	10	34	68	200	245	435	435	435	435	435	122	6100	-
30	9.5	200	435	1.8	14.65	IE5	**BF50-../S5E11MA6**	10	34	68	200	245	385	435	435	435	435	110	6100	-
30	9.5	179	500	1.9	16.7	IE5	**BF50-../S5E11LA6**	8.9	29.5	59	179	215	500	500	500	500	500	122	6200	-
30	9.5	179	500	1.9	16.7	IE5	**BF50-../S5E11MA6**	8.9	29.5	59	179	215	440	500	500	500	500	110	6200	-
30	9.5	160	560	1.8	18.68	IE5	**BF50-../S5E11LA6**	8	26.5	53	160	192	560	560	560	560	560	122	6400	-
30	9.5	160	560	1.8	18.68	IE5	**BF50-../S5E11MA6**	8	26.5	53	160	192	495	560	560	560	560	110	6400	-
30	9.5	129	690	1.6	23.14	IE5	**BF50-../S5E11LA6**	6.4	21.5	43	129	155	690	690	690	690	690	122	6800	-
30	9.5	129	690	1.6	23.14	IE5	**BF50-../S5E11MA6**	6.4	21.5	43	129	155	610	690	690	690	690	110	6800	-
30	9.5	115	770	1.5	25.88	IE5	**BF50-../S5E11LA6**	5.7	19	38.5	115	139	770	770	770	770	770	122	7100	-
30	9.5	115	770	1.5	25.88	IE5	**BF50-../S5E11MA6**	5.7	19	38.5	115	139	680	770	770	770	770	110	7100	-
30	9.5	94	950	1.3	31.73	IE5	**BF50-../S5E11LA6**	4.7	15.5	31.5	94	113	950	950	950	950	950	122	7500	-
30	9.5	94	950	1.3	31.73	IE5	**BF50-../S5E11MA6**	4.7	15.5	31.5	94	113	840	950	950	950	950	110	7500	-
30	9.5	84	1060	1.2	35.49	IE5	**BF50-../S5E11LA6**	4.2	14	28	84	101	1060	1060	1060	1060	1060	122	7800	-
30	9.5	84	1060	1.2	35.49	IE5	**BF50-../S5E11MA6**	4.2	14	28	84	101	940	1060	1060	1060	1060	110	7800	-
30	9.5	71	1260	1	42.15	IE5	**BF50-../S5E11LA6**	3.5	11.5	23.5	71	85	1260	1260	1260	1260	1260	122	8500	-
30	9.5	71	1260	1	42.15	IE5	**BF50-../S5E11MA6**	3.5	11.5	23.5	71	85	1110	1260	1260	1260	1260	110	8500	-
30	9.5	63	1410	0.92	47.14	IE5	**BF50-../S5E11LA6**	3.1	10.5	21	63	76	1410	1410	1410	1410	1410	122	8900	-
30	9.5	63	1410	0.92	47.14	IE5	**BF50-../S5E11MA6**	3.1	10.5	21	63	76	1240	1410	1410	1410	1410	110	8900	-
30	9.5	210	425	2.8	14.24	IE5	**BF60-../S5E11LA6**	10.5	35	70	210	250	425	425	425	425	425	153	7100	20000
30	9.5	210	425	2.8	14.24	IE5	**BF60-../S5E11MA6**	10.5	35	70	210	250	375	425	425	425	425	141	7100	20000
30	9.5	176	500	2.8	16.96	IE5	**BF60-../S5E11LA6**	8.8	29	58	176	210	500	500	500	500	500	153	7300	20600
30	9.5	176	500	2.8	16.96	IE5	**BF60-../S5E11MA6**	8.8	29	58	176	210	445	500	500	500	500	141	7300	20600
30	9.5	159	560	2.7	18.81	IE5	**BF60-../S5E11LA6**	7.9	26.5	53	159	191	560	560	560	560	560	153	7600	21500
30	9.5	159	560	2.7	18.81	IE5	**BF60-../S5E11MA6**	7.9	26.5	53	159	191	495	560	560	560	560	141	7600	21500
30	9.5	132	670	2.4	22.58	IE5	**BF60-../S5E11LA6**	6.6	22	44	132	159	670	670	670	670	670	153	8000	22600
30	9.5	132	670	2.4	22.58	IE5	**BF60-../S5E11MA6**	6.6	22	44	132	159	590	670	670	670	670	141	8000	22600
30	9.5	119	750	2.3	25.05	IE5	**BF60-../S5E11LA6**	5.9	19.5	39.5	119	143	750	750	750	750	750	153	8200	23200
30	9.5	119	750	2.3	25.05	IE5	**BF60-../S5E11MA6**	5.9	19.5	39.5	119	143	660	750	750	750	750	141	8200	23200
30	9.5	96	930	2	31.2	IE5	**BF60-../S5E11LA6**	4.8	16	32	96	115	930	930	930	930	930	153	8800	24900
30	9.5	96	930	2	31.2	IE5	**BF60-../S5E11MA6**	4.8	16	32	96	115	820	930	930	930	930	141	8800	24900
30	9.5	86	1030	1.9	34.62	IE5	**BF60-../S5E11LA6**	4.3	14	28.5	86	103	1030	1030	1030	1030	1030	153	9100	25700
30	9.5	86	1030	1.9	34.62	IE5	**BF60-../S5E11MA6**	4.3	14	28.5	86	103	910	1030	1030	1030	1030	141	9100	25700
30	9.5	72	1240	1.7	41.6	IE5	**BF60-../S5E11LA6**	3.6	12	24	72	86	1240	1240	1240	1240	1240	153	9600	27100
30	9.5	72	1240	1.7	41.6	IE5	**BF60-../S5E11MA6**	3.6	12	24	72	86	1100	1240	1240	1240	1240	141	9600	27100
30	9.5	64	1380	1.6	46.16	IE5	**BF60-../S5E11LA6**	3.2	10.5	21.5	64	77	1380	1380	1380	1380	1380	153	9900	28000
30	9.5	64	1380	1.6	46.16	IE5	**BF60-../S5E11MA6**	3.2	10.5	21.5	64	77	1220	1380	1380	1380	1380	141	9900	28000
30	9.5	55	1630	1.4	54.44	IE5	**BF60-../S5E11LA6**	2.7	9.1	18	55	66	1630	1630	1630	1630	1630	153	10500	29700
30	9.5	55	1630	1.4	54.44	IE5	**BF60-../S5E11MA6**	2.7	9.1	18	55	66	1440	1630	1630	1630	1630	141	10500	29700
30	9.5	49.5	1810	1.3	60.4	IE5	**BF60-../S5E11LA6**	2.4	8.2	16.5	49.5	59	1810	1810	1810	1810	1810	153	11100	31400
30	9.5	49.5	1810	1.3	60.4	IE5	**BF60-../S5E11MA6**	2.4	8.2	16.5	49.5	59	1600	1810	1810	1810	1810	141	11100	31400
30	9.5	41.5	2150	1.1	72.15	IE5	**BF60-../S5E11LA6**	2	6.9	13.5	41.5	49.5	2150	2150	2150	2150	2150	153	12000	34000
30	9.5	41.5	2150	1.1	72.15	IE5	**BF60-../S5E11MA6**	2	6.9	13.5	41.5	49.5	1910	2150	2150	2150	2150	141	12000	34000
30	9.5	37	2400	0.96	80.05	IE5	**BF60-../S5E11LA6**	1.8	6.2	12	37	44.5	2400	2400	2400	2400	2400	153	12600	35600
30	9.5	37	2400	0.96	80.05	IE5	**BF60-../S5E11MA6**	1.8	6.2	12	37	44.5	2100	2400	2400	2400	2400	141	12600	35600
30	9.5	32	2800	0.82	93.44	IE5	**BF60-../S5E11LA6**	1.6	5.3	10.5	32	38.5	2800	2800	2800	2800	2800	153	13500	38200
30	9.5	32	2800	0.82	93.44	IE5	**BF60-../S5E11MA6**	1.6	5.3	10.5	32	38.5	2450	2800	2800	2800	2800	141	13500	38200
30	9.5	48	1850	2.8	61.94	IE5	**BF70-../S5E11LA6**	2.4	8	16	48	58	1850	1850	1850	1850	1850	232	10800	37400
30	9.5	48	1850	2.8	61.94	IE5	**BF70-../S5E11MA6**	2.4	8	16	48	58	1640	1850	1850	1850	1850	220	10800	37400
30	9.5	41.5	2150	2.4	72.26	IE5	**BF70-../S5E11LA6**	2	6.9	13.5	41.5	49.5	2150	2150	2150	2150	2150	232	12000	39600
30	9.5	41.5	2150	2.4	72.26	IE5	**BF70-../S5E11MA6**	2	6.9	13.5	41.5	49.5	1910	2150	2150	2150	2150	220	12000	39600
30	9.5	36.5	2450	2.1	81.82	IE5	**BF70-../S5E11LA6**	1.8	6.1	12	36.5	43.5	2450	2450	2450	2450	2450	232	12800	41300
30	9.5	36.5	2450	2.1	81.82	IE5	**BF70-../S5E11MA6**	1.8	6.1	12	36.5	43.5	2150	2450	2450	2450	2450	220	12800	41300
30	9.5	31	2850	1.8	95.46	IE5	**BF70-../S5E11LA6**	1.5	5.2	10	31	37.5	2850	2850	2850	2850	2850	232	14000	43700
30	9.5	31	2850	1.8	95.46	IE5	**BF70-../S5E11MA6**	1.5	5.2	10	31	37.5	2500	2850	2850	2850	2850	220	14000	43700
30	9.5	28.5	3150	1.6	105.2	IE5	**BF70-../S5E11LA6**	1.4	4.7	9.5	28.5	34	3150	3150	3150	3150	3150	232	14700	45100
30	9.5	28.5	3150	1.6	105.2	IE5	**BF70-../S5E11MA6**	1.4	4.7	9.5	28.5	34	2750	3150	3150	3150	3150	220	14700	45100
30	9.5	24	3650	1.4	122.7	IE5	**BF70-../S5E11LA6**	1.2	4	8.1	24	29	3650	3650	3650	3650	3650	232	16100	47700
30	9.5	24	3650	1.4	122.7	IE5	**BF70-../S5E11MA6**	1.2	4	8.1	24	29	3250	3650	3650	3650	3650	220	16100	47700
30	9.5	22.5	3950	1.3	133	IE5	**BF70Z-../S5E11LA6**	1.1	3.7	7.5	22.5	27	3950	3950	3950	3950	3950	258	16100	47700
30	9.5	22.5	3950	1.3	133	IE5	**BF70Z-../S5E11MA6**	1.1	3.7	7.5	22.5	27	3500	3950	3950	3950	3950	247	16100	47700
30	9.5	19	4600	1.1	154	IE5	**BF70Z-../S5E11LA6**	0.95	3.2	6.4	19	23	4600	4600	4600	4600	4600	258	16100	47700
30	9.5	19	4600	1.1	154	IE5	**BF70Z-../S5E11MA6**	0.95	3.2	6.4	19	23	4050	4600	4600	4600	4600	247	16100	47700
30	9.5	16.5	5300	0.96	179.7	IE5	**BF70Z-../S5E11LA6**	0.8	2.7	5.5	16.5	20	5300	5300	5300	5300	5300	258	16100	47700
30	9.5	16.5	5300	0.96	179.7	IE5	**BF70Z-../S5E11MA6**	0.8	2.7	5.5	16.5	20	4750	5300	5300	5300	5300	247	16100	47700
30	9.5	15	5900	0.87	199.7	IE5	**BF70Z-../S5E11LA6**	0.75	2.5	5	15	18	5900	5900	5900	5900	5900	258	16100	47700
30	9.5	15	5900	0.87	199.7	IE5	**BF70Z-../S5E11MA6**	0.75	2.5	5	15	18	5200	5900	5900	5900	5900	247	16100	47700
30	9.5	27.5	3200	2.9	107.9	IE5	**BF80-../S5E11LA6**	1.3	4.6	9.2	27.5	33	3200	3200	3200	3200	3200	328	22400	72300
30	9.5	27.5	3200	2.9	107.9	IE5	**BF80-../S5E11MA6**	1.3	4.6	9.2	27.5	33	2850	3200	3200	3200	3200	316	22400	72300

MN = 30 Nm (PN = 9.5 kW)



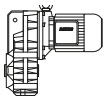
M_N	P_N	n_2	M_2	f_B	i	IE-Classe	Type	Speed range n_2 [1/min] at motor speed n_1 [1/min]					Torque range M_2 [Nm] at motor speed n_1 [1/min]					m	F_{RN}	F_{RV}
[Nm]	[kW]	[1/min]	[Nm]	[--]	[:1]			150	500	1000	3000	3600	150	500	1000	3000	3600	[kg]	[N]	[N]
30	9.5	24.5	3650	2.6	122.4	IE5	**BF80-../S5E11LA6**	1.2	4	8.1	24.5	29	3650	3650	3650	3650	3650	328	24500	75000
30	9.5	24.5	3650	2.6	122.4	IE5	**BF80-../S5E11MA6**	1.2	4	8.1	24.5	29	3200	3650	3650	3650	3650	316	24500	75000
30	9.5	21	4150	2.3	139.7	IE5	**BF80-../S5E11LA6**	1	3.5	7.1	21	25.5	4150	4150	4150	4150	4150	328	26700	75000
30	9.5	21	4150	2.3	139.7	IE5	**BF80-../S5E11MA6**	1	3.5	7.1	21	25.5	3700	4150	4150	4150	4150	316	26700	75000
30	9.5	18.5	4750	2	158.5	IE5	**BF80-../S5E11LA6**	0.9	3.1	6.3	18.5	22.5	4750	4750	4750	4750	4750	328	29000	75000
30	9.5	18.5	4750	2	158.5	IE5	**BF80-../S5E11MA6**	0.9	3.1	6.3	18.5	22.5	4200	4750	4750	4750	4750	316	29000	75000
30	9.5	16	5500	1.7	184.5	IE5	**BF80-../S5E11LA6**	0.8	2.7	5.4	16	19.5	5500	5500	5500	5500	5500	328	31800	75000
30	9.5	16	5500	1.7	184.5	IE5	**BF80-../S5E11MA6**	0.8	2.7	5.4	16	19.5	4850	5500	5500	5500	5500	316	31800	75000
30	9.5	14	6200	1.5	209.4	IE5	**BF80-../S5E11LA6**	0.7	2.3	4.7	14	17	6200	6200	6200	6200	6200	328	34300	75000
30	9.5	14	6200	1.5	209.4	IE5	**BF80-../S5E11MA6**	0.7	2.3	4.7	14	17	5500	6200	6200	6200	6200	316	34300	75000
30	9.5	12.5	7100	1.3	237.1	IE5	**BF80-../S5E11LA6**	0.6	2.1	4.2	12.5	15	7100	7100	7100	7100	7100	328	36900	75000
30	9.5	12.5	7100	1.3	237.1	IE5	**BF80-../S5E11MA6**	0.6	2.1	4.2	12.5	15	6200	7100	7100	7100	7100	316	36900	75000
30	9.5	11	8000	1.2	269.1	IE5	**BF80-../S5E11LA6**	0.55	1.8	3.7	11	13	8000	8000	8000	8000	8000	328	39600	75000
30	9.5	11	8000	1.2	269.1	IE5	**BF80-../S5E11MA6**	0.55	1.8	3.7	11	13	7100	8000	8000	8000	8000	316	39600	75000
30	9.5	10	8700	1.2	291.7	IE5	**BF80Z-../S5E11LA6**	0.5	1.7	3.4	10	12	8700	8700	8700	8700	8700	375	39600	75000
30	9.5	10	8700	1.2	291.7	IE5	**BF80Z-../S5E11MA6**	0.5	1.7	3.4	10	12	7700	8700	8700	8700	8700	363	39600	75000
30	9.5	8.6	10400	1	347.3	IE5	**BF80Z-../S5E11LA6**	0.43	1.4	2.8	8.6	10	10400	10400	10400	10400	10400	375	39600	75000
30	9.5	8.6	10400	1	347.3	IE5	**BF80Z-../S5E11MA6**	0.43	1.4	2.8	8.6	10	9200	10400	10400	10400	10400	363	39600	75000
30	9.5	7.6	11800	0.89	394.2	IE5	**BF80Z-../S5E11LA6**	0.38	1.2	2.5	7.6	9.1	11800	11800	11800	11800	11800	375	39600	75000
30	9.5	7.6	11800	0.89	394.2	IE5	**BF80Z-../S5E11MA6**	0.38	1.2	2.5	7.6	9.1	10400	11800	11800	11800	11800	363	39600	75000
30	9.5	15	5900	2.8	198.8	IE5	**BF90-../S5E11LA6**	0.75	2.5	5	15	18	5900	5900	5900	5900	5900	581	36000	111300
30	9.5	15	5900	2.8	198.8	IE5	**BF90-../S5E11MA6**	0.75	2.5	5	15	18	5200	5900	5900	5900	5900	569	36000	111300
30	9.5	12.5	6900	2.4	232.6	IE5	**BF90-../S5E11LA6**	0.6	2.1	4.2	12.5	15	6900	6900	6900	6900	6900	581	39900	118300
30	9.5	12.5	6900	2.4	232.6	IE5	**BF90-../S5E11MA6**	0.6	2.1	4.2	12.5	15	6100	6900	6900	6900	6900	569	39900	118300
30	9.5	11.5	7700	2.2	259	IE5	**BF90-../S5E11LA6**	0.55	1.9	3.8	11.5	13.5	7700	7700	7700	7700	7700	581	42800	120000
30	9.5	11.5	7700	2.2	259	IE5	**BF90-../S5E11MA6**	0.55	1.9	3.8	11.5	13.5	6800	7700	7700	7700	7700	569	42800	120000
30	9.5	11	8000	2.3	269.8	IE5	**BF90Z-../S5E11LA6**	0.55	1.8	3.7	11	13	8000	8000	8000	8000	8000	641	42800	120000
30	9.5	11	8000	2.3	269.8	IE5	**BF90Z-../S5E11MA6**	0.55	1.8	3.7	11	13	7100	8000	8000	8000	8000	629	42800	120000
30	9.5	9.9	9000	2.1	300.4	IE5	**BF90Z-../S5E11LA6**	0.49	1.6	3.3	9.9	11.5	9000	9000	9000	9000	9000	641	42800	120000
30	9.5	9.9	9000	2.1	300.4	IE5	**BF90Z-../S5E11MA6**	0.49	1.6	3.3	9.9	11.5	7900	9000	9000	9000	9000	629	42800	120000
30	9.5	8.7	10300	1.8	343.6	IE5	**BF90Z-../S5E11LA6**	0.43	1.4	2.9	8.7	10	10300	10300	10300	10300	10300	641	42800	120000
30	9.5	8.7	10300	1.8	343.6	IE5	**BF90Z-../S5E11MA6**	0.43	1.4	2.9	8.7	10	9100	10300	10300	10300	10300	629	42800	120000
30	9.5	7.8	11400	1.6	382.6	IE5	**BF90Z-../S5E11LA6**	0.39	1.3	2.6	7.8	9.4	11400	11400	11400	11400	11400	641	42800	120000
30	9.5	7.8	11400	1.6	382.6	IE5	**BF90Z-../S5E11MA6**	0.39	1.3	2.6	7.8	9.4	10100	11400	11400	11400	11400	629	42800	120000
30	9.5	6.5	13700	1.4	456.7	IE5	**BF90Z-../S5E11LA6**	0.32	1	2.1	6.5	7.8	13700	13700	13700	13700	13700	641	42800	120000
30	9.5	6.5	13700	1.4	456.7	IE5	**BF90Z-../S5E11MA6**	0.32	1	2.1	6.5	7.8	12100	13700	13700	13700	13700	629	42800	120000
30	9.5	5.8	15200	1.2	508.5	IE5	**BF90Z-../S5E11LA6**	0.29	0.95	1.9	5.8	7	15200	15200	15200	15200	15200	641	42800	120000
30	9.5	5.8	15200	1.2	508.5	IE5	**BF90Z-../S5E11MA6**	0.29	0.95	1.9	5.8	7	13400	15200	15200	15200	15200	629	42800	120000
30	9.5	5	17700	1	591.1	IE5	**BF90Z-../S5E11LA6**	0.25	0.8	1.6	5	6	17700	17700	17700	17700	17700	641	42800	120000
30	9.5	5	17700	1	591.1	IE5	**BF90Z-../S5E11MA6**	0.25	0.8	1.6	5	6	15600	17700	17700	17700	17700	629	42800	120000
30	9.5	4.5	19700	0.94	658.1	IE5	**BF90Z-../S5E11LA6**	0.22	0.75	1.5	4.5	5.4	19700	19700	19700	19700	19700	641	42800	120000
30	9.5	4.5	19700	0.94	658.1	IE5	**BF90Z-../S5E11MA6**	0.22	0.75	1.5	4.5	5.4	17400	19700	19700	19700	19700	629	42800	120000
30	9.5	3.9	22500	0.81	759	IE5	**BF90Z-../S5E11LA6**	0.19	0.65	1.3	3.9	4.7	22500	22500	22500	22500	22500	641	42800	120000
30	9.5	3.9	22500	0.81	759	IE5	**BF90Z-../S5E11MA6**	0.19	0.65	1.3	3.9	4.7	20000	22500	22500	22500	22500	629	42800	120000

MN = 35 Nm (PN = 11 kW)



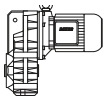
M_N	P_N	n_2	M_2	f_B	i	IE-Classe	Type	Speed range n_2 [1/min] at motor speed n_1 [1/min]					Torque range M_2 [Nm] at motor speed n_1 [1/min]					m	F_{RN}	F_{RV}
[Nm]	[kW]	[1/min]	[Nm]	[--]	[:1]			150	500	1000	3000	3600	150	500	1000	3000	3600	[kg]	[N]	[N]
35	11	470	220	1.2	6.34	IE4	**BF30-../S4E11MA6**	23.5	78	157	470	560	168	190	220	220	220	66	2400	-
35	11	470	220	1.2	6.34	IE5	**BF30-../S5E11LA6**	23.5	78	157	470	560	220	220	220	220	220	78	2400	-
35	11	370	280	1	8.07	IE4	**BF30-../S4E11MA6**	18.5	61	123	370	445	210	240	280	280	280	66	2650	-
35	11	370	280	1	8.07	IE5	**BF30-../S5E11LA6**	18.5	61	123	370	445	280	280	280	280	280	78	2650	-
35	11	300	345	0.92	9.99	IE4	**BF30-../S4E11MA6**	15	50	100	300	360	260	295	345	345	345	66	2850	-
35	11	300	345	0.92	9.99	IE5	**BF30-../S5E11LA6**	15	50	100	300	360	345	345	345	345	345	78	2850	-
35	11	230	450	0.81	12.91	IE4	**BF30-../S4E11MA6**	11.5	38.5	77	230	275	340	385	450	450	450	66	3050	-
35	11	230	450	0.81	12.91	IE5	**BF30-../S5E11LA6**	11.5	38.5	77	230	275	450	450	450	450	450	78	3050	-
35	11	510	205	1.6	5.87	IE4	**BF40-../S4E11MA6**	25.5	85	170	510	610	155	176	205	205	205	80	3550	-
35	11	510	205	1.6	5.87	IE5	**BF40-../S5E11LA6**	25.5	85	170	510	610	205	205	205	205	205	92	3550	-
35	11	390	265	1.4	7.62	IE4	**BF40-../S4E11MA6**	19.5	65	131	390	470	200	225	265	265	265	80	3900	-
35	11	390	265	1.4	7.62	IE5	**BF40-../S5E11LA6**	19.5	65	131	390	470	265	265	265	265	265	92	3900	-
35	11	315	330	1.3	9.48	IE4	**BF40-../S4E11MA6**	15.5	52	105	315	375	250	280	330	330	330	80	4150	-
35	11	315	330	1.3	9.48	IE5	**BF40-../S5E11LA6**	15.5	52	105	315	375	330	330	330	330	330	92	4150	-
35	11	250	410	1.1	11.79	IE4	**BF40-../S4E11MA6**	12.5	42	84	250	305	310	350	410	410	410	80	4450	-
35	11	250	410	1.1	11.79	IE5	**BF40-../S5E11LA6**	12.5	42	84	250	305	410	410	410	410	410	92	4450	-
35	11	199	520	0.99	15.02	IE4	**BF40-../S4E11MA6**	9.9	33	66	199	235	395	450	520	520	520	80	4800	-
35	11	199	520	0.99	15.02	IE5	**BF40-../S5E11LA6**	9.9	33	66	199	235	520	520	520	520	520	92	4800	-
35	11	172	600	1	17.35	IE4	**BF40-../S4E11MA6**	8.6	28.5	57	172	205	455	520	600	600	600	80	4950	-
35	11	172	600	1	17.35	IE5	**BF40-../S5E11LA6**	8.6	28.5	57	172	205	600	600	600	600	600	92	4950	-
35	11	157	660	0.99	19.09	IE4	**BF40-../S4E11MA6**	7.8	26	52	157	188	500	570	660	660	660	80	5100	-
35	11	157	660	0.99	19.09	IE5	**BF40-../S5E11LA6**	7.8	26	52	157	188	660	660	660	660	660	92	5100	-
35	11	138	750	0.93	21.6	IE4	**BF40-../S4E11MA6**	6.9	23	46	138	166	570	640	750	750	750	80	5200	-
35	11	138	750	0.93	21.6	IE5	**BF40-../S5E11LA6**	6.9	23	46	138	166	750	750	750	750	750	92	5200	-
35	11	126	830	0.88	23.77	IE4	**BF40-../S4E11MA6**	6.3	21	42	126	151	620	710	830	830	830	80	5400	-

MN = 35 Nm (PN = 11 kW)



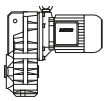
M_N	P_N	n_2	M_2	f_B	i	IE-Classe	Type	Speed range n_2 [1/min] at motor speed n_1 [1/min]					Torque range M_2 [Nm] at motor speed n_1 [1/min]					m	F_{RN}	F_{RV}
[Nm]	[kW]	[1/min]	[Nm]	[--]	[:1]			150	500	1000	3000	3600	150	500	1000	3000	3600	[kg]	[N]	[N]
35	11	126	830	0.88	23.77	IE5	**BF40-../S5E11LA6**	6.3	21	42	126	151	830	830	830	830	830	92	5400	-
35	11	111	940	0.82	26.86	IE4	**BF40-../S4E11MA6**	5.5	18.5	37	111	134	710	800	940	940	940	80	5600	-
35	11	111	940	0.82	26.86	IE5	**BF40-../S5E11LA6**	5.5	18.5	37	111	134	940	940	940	940	940	92	5600	-
35	11	550	188	2.6	5.38	IE4	**BF50-../S4E11MA6**	27.5	92	185	550	660	142	161	188	188	188	110	4500	-
35	11	550	188	2.6	5.38	IE5	**BF50-../S5E11LA6**	27.5	92	185	550	660	188	188	188	188	188	122	4500	-
35	11	385	265	2.1	7.71	IE4	**BF50-../S4E11MA6**	19	64	129	385	465	200	230	265	265	265	110	5100	-
35	11	385	265	2.1	7.71	IE5	**BF50-../S5E11LA6**	19	64	129	385	465	265	265	265	265	265	122	5100	-
35	11	280	370	1.8	10.68	IE4	**BF50-../S4E11MA6**	14	46.5	93	280	335	280	320	370	370	370	110	5600	-
35	11	280	370	1.8	10.68	IE5	**BF50-../S5E11LA6**	14	46.5	93	280	335	370	370	370	370	370	122	5600	-
35	11	200	510	1.5	14.65	IE4	**BF50-../S4E11MA6**	10	34	68	200	245	385	435	510	510	510	110	6100	-
35	11	200	510	1.5	14.65	IE5	**BF50-../S5E11LA6**	10	34	68	200	245	510	510	510	510	510	122	6100	-
35	11	179	580	1.6	16.7	IE4	**BF50-../S4E11MA6**	8.9	29.5	59	179	215	440	500	580	580	580	110	6200	-
35	11	179	580	1.6	16.7	IE5	**BF50-../S5E11LA6**	8.9	29.5	59	179	215	580	580	580	580	580	122	6200	-
35	11	160	650	1.5	18.68	IE4	**BF50-../S4E11MA6**	8	26.5	53	160	192	495	560	650	650	650	110	6400	-
35	11	160	650	1.5	18.68	IE5	**BF50-../S5E11LA6**	8	26.5	53	160	192	650	650	650	650	650	122	6400	-
35	11	129	800	1.4	23.14	IE4	**BF50-../S4E11MA6**	6.4	21.5	43	129	155	610	690	800	800	800	110	6800	-
35	11	129	800	1.4	23.14	IE5	**BF50-../S5E11LA6**	6.4	21.5	43	129	155	800	800	800	800	800	122	6800	-
35	11	115	900	1.3	25.88	IE4	**BF50-../S4E11MA6**	5.7	19	38.5	115	139	680	770	900	900	900	110	7100	-
35	11	115	900	1.3	25.88	IE5	**BF50-../S5E11LA6**	5.7	19	38.5	115	139	900	900	900	900	900	122	7100	-
35	11	94	1110	1.1	31.73	IE4	**BF50-../S4E11MA6**	4.7	15.5	31.5	94	113	840	950	1110	1110	1110	110	7500	-
35	11	94	1110	1.1	31.73	IE5	**BF50-../S5E11LA6**	4.7	15.5	31.5	94	113	1110	1110	1110	1110	1110	122	7500	-
35	11	84	1240	1	35.49	IE4	**BF50-../S4E11MA6**	4.2	14	28	84	101	940	1060	1240	1240	1240	110	7800	-
35	11	84	1240	1	35.49	IE5	**BF50-../S5E11LA6**	4.2	14	28	84	101	1240	1240	1240	1240	1240	122	7800	-
35	11	71	1470	0.88	42.15	IE4	**BF50-../S4E11MA6**	3.5	11.5	23.5	71	85	1110	1260	1470	1470	1470	110	8500	-
35	11	71	1470	0.88	42.15	IE5	**BF50-../S5E11LA6**	3.5	11.5	23.5	71	85	1470	1470	1470	1470	1470	122	8500	-
35	11	290	360	2.8	10.31	IE4	**BF60-../S4E11MA6**	14.5	48	96	290	345	270	305	360	360	360	141	6500	18400
35	11	290	360	2.8	10.31	IE5	**BF60-../S5E11LA6**	14.5	48	96	290	345	360	360	360	360	360	153	6500	18400
35	11	210	495	2.4	14.24	IE4	**BF60-../S4E11MA6**	10.5	35	70	210	250	375	425	495	495	495	141	7100	20000
35	11	210	495	2.4	14.24	IE5	**BF60-../S5E11LA6**	10.5	35	70	210	250	495	495	495	495	495	153	7100	20000
35	11	176	590	2.4	16.96	IE4	**BF60-../S4E11MA6**	8.8	29	58	176	210	445	500	590	590	590	141	7300	20600
35	11	176	590	2.4	16.96	IE5	**BF60-../S5E11LA6**	8.8	29	58	176	210	590	590	590	590	590	153	7300	20600
35	11	159	650	2.3	18.81	IE4	**BF60-../S4E11MA6**	7.9	26.5	53	159	191	495	560	650	650	650	141	7600	21500
35	11	159	650	2.3	18.81	IE5	**BF60-../S5E11LA6**	7.9	26.5	53	159	191	650	650	650	650	650	153	7600	21500
35	11	132	790	2.1	22.58	IE4	**BF60-../S4E11MA6**	6.6	22	44	132	159	590	670	790	790	790	141	8000	22600
35	11	132	790	2.1	22.58	IE5	**BF60-../S5E11LA6**	6.6	22	44	132	159	790	790	790	790	790	153	8000	22600
35	11	119	870	2	25.05	IE4	**BF60-../S4E11MA6**	5.9	19.5	39.5	119	143	660	750	870	870	870	141	8200	23200
35	11	119	870	2	25.05	IE5	**BF60-../S5E11LA6**	5.9	19.5	39.5	119	143	870	870	870	870	870	153	8200	23200
35	11	96	1090	1.7	31.2	IE4	**BF60-../S4E11MA6**	4.8	16	32	96	115	820	930	1090	1090	1090	141	8800	24900
35	11	96	1090	1.7	31.2	IE5	**BF60-../S5E11LA6**	4.8	16	32	96	115	1090	1090	1090	1090	1090	153	8800	24900
35	11	86	1210	1.6	34.62	IE4	**BF60-../S4E11MA6**	4.3	14	28.5	86	103	910	1030	1210	1210	1210	141	9100	25700
35	11	86	1210	1.6	34.62	IE5	**BF60-../S5E11LA6**	4.3	14	28.5	86	103	1210	1210	1210	1210	1210	153	9100	25700
35	11	72	1450	1.4	41.6	IE4	**BF60-../S4E11MA6**	3.6	12	24	72	86	1100	1240	1450	1450	1450	141	9600	27100
35	11	72	1450	1.4	41.6	IE5	**BF60-../S5E11LA6**	3.6	12	24	72	86	1450	1450	1450	1450	1450	153	9600	27100
35	11	64	1610	1.4	46.16	IE4	**BF60-../S4E11MA6**	3.2	10.5	21.5	64	77	1220	1380	1610	1610	1610	141	9900	28000
35	11	64	1610	1.4	46.16	IE5	**BF60-../S5E11LA6**	3.2	10.5	21.5	64	77	1610	1610	1610	1610	1610	153	9900	28000
35	11	55	1900	1.2	54.44	IE4	**BF60-../S4E11MA6**	2.7	9.1	18	55	66	1440	1630	1900	1900	1900	141	10500	29700
35	11	55	1900	1.2	54.44	IE5	**BF60-../S5E11LA6**	2.7	9.1	18	55	66	1900	1900	1900	1900	1900	153	10500	29700
35	11	49.5	2100	1.1	60.4	IE4	**BF60-../S4E11MA6**	2.4	8.2	16.5	49.5	59	1600	1810	2100	2100	2100	141	11100	31400
35	11	49.5	2100	1.1	60.4	IE5	**BF60-../S5E11LA6**	2.4	8.2	16.5	49.5	59	2100	2100	2100	2100	2100	153	11100	31400
35	11	41.5	2500	0.91	72.15	IE4	**BF60-../S4E11MA6**	2	6.9	13.5	41.5	49.5	1910	2150	2500	2500	2500	141	12000	34000
35	11	41.5	2500	0.91	72.15	IE5	**BF60-../S5E11LA6**	2	6.9	13.5	41.5	49.5	2500	2500	2500	2500	2500	153	12000	34000
35	11	37	2800	0.82	80.05	IE4	**BF60-../S4E11MA6**	1.8	6.2	12	37	44.5	2100	2400	2800	2800	2800	141	12600	35600
35	11	37	2800	0.82	80.05	IE5	**BF60-../S5E11LA6**	1.8	6.2	12	37	44.5	2800	2800	2800	2800	2800	153	12600	35600
35	11	53	1950	2.7	55.79	IE4	**BF70-../S4E11MA6**	2.6	8.9	17.5	53	64	1470	1670	1950	1950	1950	220	10200	36000
35	11	53	1950	2.7	55.79	IE5	**BF70-../S5E11LA6**	2.6	8.9	17.5	53	64	1950	1950	1950	1950	1950	232	10200	36000
35	11	48	2150	2.4	61.94	IE4	**BF70-../S4E11MA6**	2.4	8	16	48	58	1640	1850	2150	2150	2150	220	10800	37400
35	11	48	2150	2.4	61.94	IE5	**BF70-../S5E11LA6**	2.4	8	16	48	58	2150	2150	2150	2150	2150	232	10800	37400
35	11	41.5	2500	2.1	72.26	IE4	**BF70-../S4E11MA6**	2	6.9	13.5	41.5	49.5	1910	2150	2500	2500	2500	220	12000	39600
35	11	41.5	2500	2.1	72.26	IE5	**BF70-../S5E11LA6**	2	6.9	13.5	41.5	49.5	2500	2500	2500	2500	2500	232	12000	39600
35	11	36.5	2850	1.8	81.82	IE4	**BF70-../S4E11MA6**	1.8	6.1	12	36.5	43.5	2150	2450	2850	2850	2850	220	12800	41300
35	11	36.5	2850	1.8	81.82	IE5	**BF70-../S5E11LA6**	1.8	6.1	12	36.5	43.5	2850	2850	2850	2850	2850	232	12800	41300
35	11	31	3300	1.6	95.46	IE4	**BF70-../S4E11MA6**	1.5	5.2	10	31	37.5	2500	2850	3300	3300	3300	220	14000	43700
35	11	31	3300	1.6	95.46	IE5	**BF70-../S5E11LA6**	1.5	5.2	10	31	37.5	3300	3300	3300	3300	3300	232	14000	43700
35	11	28.5	3650	1.4	105.2	IE4	**BF70-../S4E11MA6**	1.4	4.7	9.5	28.5	34	2750	3150	3650	3650	3650	220	14700	45100
35	11	28.5	3650	1.4	105.2	IE5	**BF70-../S5E11LA6**	1.4	4.7	9.5	28.5	34	3650	3650	3650	3650	3650	232	14700	45100
35	11	24	4250	1.2	122.7	IE4	**BF70-../S4E11MA6**	1.2	4	8.1	24	29	3250	3650	4250	4250	4250	220	16100	47700
35	11	24	4250	1.2	122.7	IE5	**BF70-../S5E11LA6**	1.2	4	8.1	24	29	4250	4250	4250	4250	4250	232	16100	47700
35	11	22.5	4650	1.1	133	IE4	**BF70Z-../S4E11MA6**	1.1	3.7	7.5	22.5	27	3500	3950	4650	4650	4650	247	16100	47700
35	11	22.5	4650	1.1	133	IE5	**BF70Z-../S5E11LA6**	1.1	3.7	7.5	22.5	27	4650	4650	4650	4650	4650	258	16100	47700
35	11	19	5300	0.96	154	IE4	**BF70Z-../S4E11MA6**	0.95	3.2	6.4	19	23	4050	4600	5300	5300	5300	247	16100	47700
35	11	19	5300	0.96	154	IE5	**BF70Z-../S5E11LA6**	0.95	3.2	6.4	19	23	5300	5300	5300	5300	5300	258	16100	47700
35	11	16.5	6200	0.83	179.7	IE4	**BF70Z-../S4E11MA6**	0.8	2.7	5.5	16.5	20	4750	5300	6200	6200	6200	247	16100	47700
35	11	16.5	6200	0.83	179.7	IE5	**BF70Z-../S5E11LA6**	0.8	2.7	5.5	16.5	20	6200	6200	6200	6200	6200	258	16100	47700
35	11	31.5	3300	2.9	94.38	IE4	**BF80-../S4E11MA6**	1.5	5.2	10.5	31.5	38	2500	2800	3300	3300	3300	316	20300	68500
35	11	31.5	3300	2.9	94.38	IE5	**BF80-../S5E11LA6**	1.5	5.2	10.5	31.5	38	3300	3300	3300	3300	3300	328	20300	68500
35	11	27.5	3750	2.5	107.9	IE4	**BF80-../S4E11MA6**	1.3	4.6	9.2	27.5	33	2850	3200	3750	3750	3750	316	22400	72300
35	11	27.5	3750	2.5	107.9	IE5	**BF80-../S5E11LA6**	1.3	4.6	9.2	27.5	33	3750	3750	3750	3750	3750	328	22400	72300
35	11	24.5	4250	2.2	122.4	IE4	**BF80-../S4E11MA6**	1.2	4	8.1	24.5	29	3200	3650	4250	4250	4250	316	24500	75000

MN = 35 Nm (PN = 11 kW)



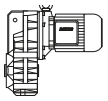
M_N	P_N	n_2	M_2	f_B	i	IE-Classe	Type	Speed range n_2 [1/min] at motor speed n_1 [1/min]					Torque range M_2 [Nm] at motor speed n_1 [1/min]					m	F_{RN}	F_{RV}
[Nm]	[kW]	[1/min]	[Nm]	[--]	[:1]			150	500	1000	3000	3600	150	500	1000	3000	3600	[kg]	[N]	[N]
35	11	24.5	4250	2.2	122.4	IE5	**BF80-../S5E11LA6**	1.2	4	8.1	24.5	29	4250	4250	4250	4250	4250	328	24500	75000
35	11	21	4850	1.9	139.7	IE4	**BF80-../S4E11MA6**	1	3.5	7.1	21	25.5	3700	4150	4850	4850	4850	316	26700	75000
35	11	21	4850	1.9	139.7	IE5	**BF80-../S5E11LA6**	1	3.5	7.1	21	25.5	4850	4850	4850	4850	4850	328	26700	75000
35	11	18.5	5500	1.7	158.5	IE4	**BF80-../S4E11MA6**	0.9	3.1	6.3	18.5	22.5	4200	4750	5500	5500	5500	316	29000	75000
35	11	18.5	5500	1.7	158.5	IE5	**BF80-../S5E11LA6**	0.9	3.1	6.3	18.5	22.5	5500	5500	5500	5500	5500	328	29000	75000
35	11	16	6400	1.5	184.5	IE4	**BF80-../S4E11MA6**	0.8	2.7	5.4	16	19.5	4850	5500	6400	6400	6400	316	31800	75000
35	11	16	6400	1.5	184.5	IE5	**BF80-../S5E11LA6**	0.8	2.7	5.4	16	19.5	6400	6400	6400	6400	6400	328	31800	75000
35	11	14	7300	1.3	209.4	IE4	**BF80-../S4E11MA6**	0.7	2.3	4.7	14	17	5500	6200	7300	7300	7300	316	34300	75000
35	11	14	7300	1.3	209.4	IE5	**BF80-../S5E11LA6**	0.7	2.3	4.7	14	17	7300	7300	7300	7300	7300	328	34300	75000
35	11	12.5	8200	1.1	237.1	IE4	**BF80-../S4E11MA6**	0.6	2.1	4.2	12.5	15	6200	7100	8200	8200	8200	316	36900	75000
35	11	12.5	8200	1.1	237.1	IE5	**BF80-../S5E11LA6**	0.6	2.1	4.2	12.5	15	8200	8200	8200	8200	8200	328	36900	75000
35	11	11	9400	1	269.1	IE4	**BF80-../S4E11MA6**	0.55	1.8	3.7	11	13	7100	8000	9400	9400	9400	316	39600	75000
35	11	11	9400	1	269.1	IE5	**BF80-../S5E11LA6**	0.55	1.8	3.7	11	13	9400	9400	9400	9400	9400	328	39600	75000
35	11	10	10200	1	291.7	IE4	**BF80Z-../S4E11MA6**	0.5	1.7	3.4	10	12	7700	8700	10200	10200	10200	363	39600	75000
35	11	10	10200	1	291.7	IE5	**BF80Z-../S5E11LA6**	0.5	1.7	3.4	10	12	10200	10200	10200	10200	10200	375	39600	75000
35	11	8.6	12100	0.86	347.3	IE4	**BF80Z-../S4E11MA6**	0.43	1.4	2.8	8.6	10	9200	10400	12100	12100	12100	363	39600	75000
35	11	8.6	12100	0.86	347.3	IE5	**BF80Z-../S5E11LA6**	0.43	1.4	2.8	8.6	10	12100	12100	12100	12100	12100	375	39600	75000
35	11	16.5	6200	2.7	178.6	IE4	**BF90-../S4E11MA6**	0.8	2.7	5.5	16.5	20	4700	5300	6200	6200	6200	569	33400	106700
35	11	16.5	6200	2.7	178.6	IE5	**BF90-../S5E11LA6**	0.8	2.7	5.5	16.5	20	6200	6200	6200	6200	6200	581	33400	106700
35	11	15	6900	2.4	198.8	IE4	**BF90-../S4E11MA6**	0.75	2.5	5	15	18	5200	5900	6900	6900	6900	569	36000	111300
35	11	15	6900	2.4	198.8	IE5	**BF90-../S5E11LA6**	0.75	2.5	5	15	18	6900	6900	6900	6900	6900	581	36000	111300
35	11	12.5	8100	2.1	232.6	IE4	**BF90-../S4E11MA6**	0.6	2.1	4.2	12.5	15	6100	6900	8100	8100	8100	569	39900	118300
35	11	12.5	8100	2.1	232.6	IE5	**BF90-../S5E11LA6**	0.6	2.1	4.2	12.5	15	8100	8100	8100	8100	8100	581	39900	118300
35	11	11.5	9000	1.9	259	IE4	**BF90-../S4E11MA6**	0.55	1.9	3.8	11.5	13.5	6800	7700	9000	9000	9000	569	42800	120000
35	11	11.5	9000	1.9	259	IE5	**BF90-../S5E11LA6**	0.55	1.9	3.8	11.5	13.5	9000	9000	9000	9000	9000	581	42800	120000
35	11	11	9400	2	269.8	IE4	**BF90Z-../S4E11MA6**	0.55	1.8	3.7	11	13	7100	8000	9400	9400	9400	629	42800	120000
35	11	11	9400	2	269.8	IE5	**BF90Z-../S5E11LA6**	0.55	1.8	3.7	11	13	9400	9400	9400	9400	9400	641	42800	120000
35	11	9.9	10500	1.8	300.4	IE4	**BF90Z-../S4E11MA6**	0.49	1.6	3.3	9.9	11.5	7900	9000	10500	10500	10500	629	42800	120000
35	11	9.9	10500	1.8	300.4	IE5	**BF90Z-../S5E11LA6**	0.49	1.6	3.3	9.9	11.5	10500	10500	10500	10500	10500	641	42800	120000
35	11	8.7	12000	1.5	343.6	IE4	**BF90Z-../S4E11MA6**	0.43	1.4	2.9	8.7	10	9100	10300	12000	12000	12000	629	42800	120000
35	11	8.7	12000	1.5	343.6	IE5	**BF90Z-../S5E11LA6**	0.43	1.4	2.9	8.7	10	12000	12000	12000	12000	12000	641	42800	120000
35	11	7.8	13300	1.4	382.6	IE4	**BF90Z-../S4E11MA6**	0.39	1.3	2.6	7.8	9.4	10100	11400	13300	13300	13300	629	42800	120000
35	11	7.8	13300	1.4	382.6	IE5	**BF90Z-../S5E11LA6**	0.39	1.3	2.6	7.8	9.4	13300	13300	13300	13300	13300	641	42800	120000
35	11	6.5	15900	1.2	456.7	IE4	**BF90Z-../S4E11MA6**	0.32	1	2.1	6.5	7.8	12100	13700	15900	15900	15900	629	42800	120000
35	11	6.5	15900	1.2	456.7	IE5	**BF90Z-../S5E11LA6**	0.32	1	2.1	6.5	7.8	15900	15900	15900	15900	15900	641	42800	120000
35	11	5.8	17700	1	508.5	IE4	**BF90Z-../S4E11MA6**	0.29	0.95	1.9	5.8	7	13400	15200	17700	17700	17700	629	42800	120000
35	11	5.8	17700	1	508.5	IE5	**BF90Z-../S5E11LA6**	0.29	0.95	1.9	5.8	7	17700	17700	17700	17700	17700	641	42800	120000
35	11	5	20500	0.89	591.1	IE4	**BF90Z-../S4E11MA6**	0.25	0.8	1.6	5	6	15600	17700	20500	20500	20500	629	42800	120000
35	11	5	20500	0.89	591.1	IE5	**BF90Z-../S5E11LA6**	0.25	0.8	1.6	5	6	20500	20500	20500	20500	20500	641	42800	120000
35	11	4.5	23000	0.8	658.1	IE4	**BF90Z-../S4E11MA6**	0.22	0.75	1.5	4.5	5.4	17400	19700	23000	23000	23000	629	42800	120000
35	11	4.5	23000	0.8	658.1	IE5	**BF90Z-../S5E11LA6**	0.22	0.75	1.5	4.5	5.4	23000	23000	23000	23000	23000	641	42800	120000

MN = 48 Nm (PN = 15 kW)



M_N	P_N	n_2	M_2	f_B	i	IE-Classe	Type	Speed range n_2 [1/min] at motor speed n_1 [1/min]					Torque range M_2 [Nm] at motor speed n_1 [1/min]					m	F_{RN}	F_{RV}
[Nm]	[kW]	[1/min]	[Nm]	[--]	[:1]			150	500	1000	3000	3600	150	500	1000	3000	3600	[kg]	[N]	[N]
48	15	470	300	0.86	6.34	IE5	**BF30-../S5E11LA6**	23.5	78	157	470	560	220	250	300	300	250	78	2400	-
48	15	510	280	1.2	5.87	IE5	**BF40-../S5E11LA6**	25.5	85	170	510	610	205	230	280	280	230	92	3550	-
48	15	390	365	1	7.62	IE5	**BF40-../S5E11LA6**	19.5	65	131	390	470	265	300	365	365	300	92	3900	-
48	15	315	455	0.91	9.48	IE5	**BF40-../S5E11LA6**	15.5	52	105	315	375	330	375	455	455	375	92	4150	-
48	15	250	560	0.82	11.79	IE5	**BF40-../S5E11LA6**	12.5	42	84	250	305	410	470	560	560	470	92	4450	-
48	15	550	255	1.9	5.38	IE5	**BF50-../S5E11LA6**	27.5	92	185	550	660	188	215	255	255	215	122	4500	-
48	15	385	370	1.5	7.71	IE5	**BF50-../S5E11LA6**	19	64	129	385	465	265	305	370	370	305	122	5100	-
48	15	280	510	1.3	10.68	IE5	**BF50-../S5E11LA6**	14	46.5	93	280	335	370	425	510	510	425	122	5600	-
48	15	200	700	1.1	14.65	IE5	**BF50-../S5E11LA6**	10	34	68	200	245	510	580	700	700	580	122	6100	-
48	15	179	800	1.2	16.7	IE5	**BF50-../S5E11LA6**	8.9	29.5	59	179	215	580	660	800	800	660	122	6200	-
48	15	160	890	1.1	18.68	IE5	**BF50-../S5E11LA6**	8	26.5	53	160	192	650	740	890	890	740	122	6400	-
48	15	129	1110	0.99	23.14	IE5	**BF50-../S5E11LA6**	6.4	21.5	43	129	155	800	920	1110	1110	920	122	6800	-
48	15	115	1240	0.93	25.88	IE5	**BF50-../S5E11LA6**	5.7	19	38.5	115	139	900	1030	1240	1240	1030	122	7100	-
48	15	94	1520	0.83	31.73	IE5	**BF50-../S5E11LA6**	4.7	15.5	31.5	94	113	1110	1260	1520	1520	1260	122	7500	-
48	15	570	250	3	5.22	IE5	**BF60-../S5E11LA6**	28.5	95	191	570	680	182	205	250	250	205	153	5200	14800
48	15	385	370	2.3	7.74	IE5	**BF60-../S5E11LA6**	19	64	129	385	465	270	305	370	370	305	153	6000	16900
48	15	290	490	2	10.31	IE5	**BF60-../S5E11LA6**	14.5	48	96	290	345	360	410	490	490	410	153	6500	18400
48	15	210	680	1.7	14.24	IE5	**BF60-../S5E11LA6**	10.5	35	70	210	250	495	560	680	680	560	153	7100	20000
48	15	176	810	1.8	16.96	IE5	**BF60-../S5E11LA6**	8.8	29	58	176	210	590	670	810	810	670	153	7300	20600
48	15	159	900	1.7	18.81	IE5	**BF60-../S5E11LA6**	7.9	26.5	53	159	191	650	750	900	900	750	153	7600	21500
48	15	132	1080	1.5	22.58	IE5	**BF60-../S5E11LA6**	6.6	22	44	132	159	790	900	1080	1080	900	153	8000	22600
48	15	119	1200	1.4	25.05	IE5	**BF60-../S5E11LA6**	5.9	19.5	39.5	119	143	870	1000	1200	1200	1000	153	8200	23200
48	15	96	1490	1.3	31.2	IE5	**BF60-../S5E11LA6**	4.8	16	32	96	115	1090	1240	1490	1490	1240	153	8800	24900
48	15	86	1660	1.2	34.62	IE5	**BF60-../S5E11LA6**	4.3	14	28.5	86	103	1210	1380	1660	1660	1380	153	9100	25700
48	15	72	1990	1.1	41.6	IE5	**BF60-../S5E11LA6**	3.6	12	24	72	86	1450	1660	1990	1990	1660	153	9600	27100
48	15	64	2200	0.99	46.16	IE5	**BF60-../S5E11LA6**	3.2	10.5	21.5	64	77	1610	1840	2200	2200	1840	153	9900	28000

MN = 48 Nm (PN = 15 kW)



M_N	P_N	n_2	M_2	f_B	i	IE-Classe	**Type**	Speed range n_2 [1/min] at motor speed n_1 [1/min]					Torque range M_2 [Nm] at motor speed n_1 [1/min]					m	F_{RN}	F_{RV}
[Nm]	[kW]	[1/min]	[Nm]	[--]	[:1]			150	500	1000	3000	3600	150	500	1000	3000	3600	[kg]	[N]	[N]
48	15	55	2600	0.88	54.44	IE5	**BF60-../S5E11LA6**	2.7	9.1	18	55	66	1900	2150	2600	2600	2150	153	10500	29700
48	15	81	1770	2.9	36.88	IE5	**BF70-../S5E11LA6**	4	13.5	27	81	97	1290	1470	1770	1770	1470	232	7900	31100
48	15	69	2050	2.5	43.02	IE5	**BF70-../S5E11LA6**	3.4	11.5	23	69	83	1500	1720	2050	2050	1720	232	8700	32800
48	15	62	2250	2.3	47.82	IE5	**BF70-../S5E11LA6**	3.1	10	20.5	62	75	1670	1910	2250	2250	1910	232	9100	34000
48	15	53	2650	1.9	55.79	IE5	**BF70-../S5E11LA6**	2.6	8.9	17.5	53	64	1950	2200	2650	2650	2200	232	10200	36000
48	15	48	2950	1.7	61.94	IE5	**BF70-../S5E11LA6**	2.4	8	16	48	58	2150	2450	2950	2950	2450	232	10800	37400
48	15	41.5	3450	1.5	72.26	IE5	**BF70-../S5E11LA6**	2	6.9	13.5	41.5	49.5	2500	2850	3450	3450	2850	232	12000	39600
48	15	36.5	3900	1.3	81.82	IE5	**BF70-../S5E11LA6**	1.8	6.1	12	36.5	43.5	2850	3250	3900	3900	3250	232	12800	41300
48	15	31	4550	1.1	95.46	IE5	**BF70-../S5E11LA6**	1.5	5.2	10	31	37.5	3300	3800	4550	4550	3800	232	14000	43700
48	15	28.5	5000	1	105.2	IE5	**BF70-../S5E11LA6**	1.4	4.7	9.5	28.5	34	3650	4200	5000	5000	4200	232	14700	45100
48	15	24	5800	0.88	122.7	IE5	**BF70-../S5E11LA6**	1.2	4	8.1	24	29	4250	4900	5800	5800	4900	232	16100	47700
48	15	22.5	6300	0.81	133	IE5	**BF70Z-../S5E11LA6**	1.1	3.7	7.5	22.5	27	4650	5300	6300	6300	5300	258	16100	47700
48	15	42.5	3350	2.8	69.86	IE5	**BF80-../S5E11LA6**	2.1	7.1	14	42.5	51	2400	2750	3350	3350	2750	328	15900	60600
48	15	36	3950	2.4	83.16	IE5	**BF80-../S5E11LA6**	1.8	6	12	36	43	2900	3300	3950	3950	3300	328	18400	65100
48	15	31.5	4500	2.1	94.38	IE5	**BF80-../S5E11LA6**	1.5	5.2	10.5	31.5	38	3300	3750	4500	4500	3750	328	20300	68500
48	15	27.5	5100	1.8	107.9	IE5	**BF80-../S5E11LA6**	1.3	4.6	9.2	27.5	33	3750	4300	5100	5100	4300	328	22400	72300
48	15	24.5	5800	1.6	122.4	IE5	**BF80-../S5E11LA6**	1.2	4	8.1	24.5	29	4250	4850	5800	5800	4850	328	24500	75000
48	15	21	6700	1.4	139.7	IE5	**BF80-../S5E11LA6**	1	3.5	7.1	21	25.5	4850	5500	6700	6700	5500	328	26700	75000
48	15	18.5	7600	1.2	158.5	IE5	**BF80-../S5E11LA6**	0.9	3.1	6.3	18.5	22.5	5500	6300	7600	7600	6300	328	29000	75000
48	15	16	8800	1.1	184.5	IE5	**BF80-../S5E11LA6**	0.8	2.7	5.4	16	19.5	6400	7300	8800	8800	7300	328	31800	75000
48	15	14	10000	0.95	209.4	IE5	**BF80-../S5E11LA6**	0.7	2.3	4.7	14	17	7300	8300	10000	10000	8300	328	34300	75000
48	15	12.5	11300	0.83	237.1	IE5	**BF80-../S5E11LA6**	0.6	2.1	4.2	12.5	15	8200	9400	11300	11300	9400	328	36900	75000
48	15	25	5700	2.9	119.7	IE5	**BF90-../S5E11LA6**	1.2	4.1	8.3	25	30	4150	4750	5700	5700	4750	581	24500	90800
48	15	21.5	6600	2.5	139.1	IE5	**BF90-../S5E11LA6**	1	3.5	7.1	21.5	25.5	4850	5500	6600	6600	5500	581	27700	96300
48	15	19	7400	2.3	154.8	IE5	**BF90-../S5E11LA6**	0.95	3.2	6.4	19	23	5400	6100	7400	7400	6100	581	30100	100800
48	15	16.5	8500	2	178.6	IE5	**BF90-../S5E11LA6**	0.8	2.7	5.5	16.5	20	6200	7100	8500	8500	7100	581	33400	106700
48	15	15	9500	1.8	198.8	IE5	**BF90-../S5E11LA6**	0.75	2.5	5	15	18	6900	7900	9500	9500	7900	581	36000	111300
48	15	12.5	11100	1.5	232.6	IE5	**BF90-../S5E11LA6**	0.6	2.1	4.2	12.5	15	8100	9300	11100	11100	9300	581	39900	118300
48	15	11.5	12400	1.4	259	IE5	**BF90-../S5E11LA6**	0.55	1.9	3.8	11.5	13.5	9000	10300	12400	12400	10300	581	42800	120000
48	15	11	12900	1.4	269.8	IE5	**BF90Z-../S5E11LA6**	0.55	1.8	3.7	11	13	9400	10700	12900	12900	10700	641	42800	120000
48	15	9.9	14400	1.3	300.4	IE5	**BF90Z-../S5E11LA6**	0.49	1.6	3.3	9.9	11.5	10500	12000	14400	14400	12000	641	42800	120000
48	15	8.7	16400	1.1	343.6	IE5	**BF90Z-../S5E11LA6**	0.43	1.4	2.9	8.7	10	12000	13700	16400	16400	13700	641	42800	120000
48	15	7.8	18300	1	382.6	IE5	**BF90Z-../S5E11LA6**	0.39	1.3	2.6	7.8	9.4	13300	15300	18300	18300	15300	641	42800	120000
48	15	6.5	21500	0.84	456.7	IE5	**BF90Z-../S5E11LA6**	0.32	1	2.1	6.5	7.8	15900	18200	21500	21500	18200	641	42800	120000