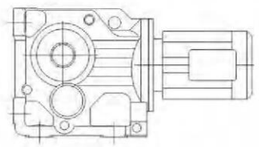
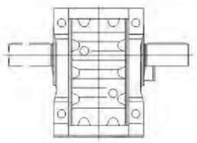
7. K Helical – Bevel Geared Motor

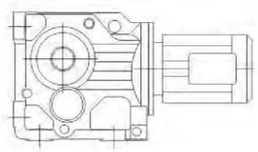
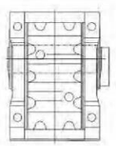
7.1 Versions of SUP geared motors

The following types of helical – bevel geared motor can be supplied:

K..

Foot – mounted helical – bevel geared motor

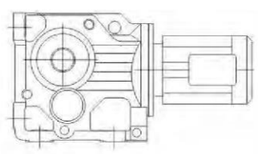
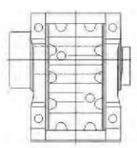



K..B

Foot – mounted helical – bevel geared motor with hollow shaft.

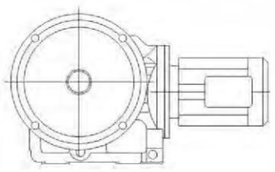
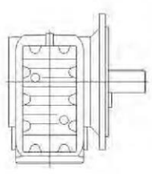
KV..B

Foot – mounted helical – bevel geared motor with hollow shaft and splined hollow shaft to DIN 5480

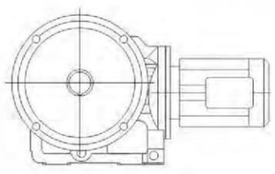
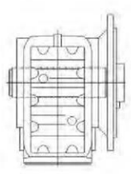
KH..B

Foot – mounted helical – bevel geared motor with hollow shaft and shrink disk

KF..

Helical – bevel geared motor in B5 flange – mounted version

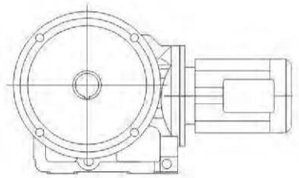
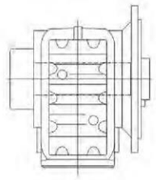



AF..

Helical – bevel geared motor in B5 flange – mounted version with hollow shaft.

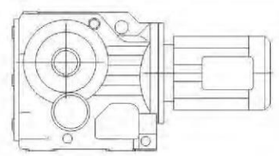
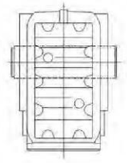
KVF..

Helical – bevel geared motor in B5 flange – mounted version with hollow shaft and splined hollow shaft to DIN 5480.

KHF..

Helical – bevel geared motor in B5 flange – mounted version with hollow shaft and shrink disk

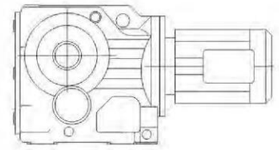
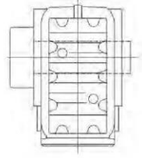



KA..

Helical – bevel geared motor with hollow shaft

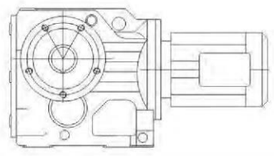
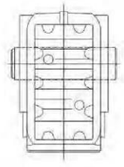
KV..

Helical – bevel geared motor with hollow shaft and splined hollow shaft to DIN 5480.

KH..

Helical – bevel geared motor with hollow shaft and shrink disk

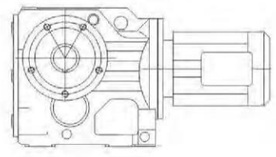
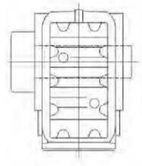



AZ..

Helical – bevel geared motor in B14 flange – mounted version with hollow shaft

VZ..

Helical – bevel geared motor in B14 flange – mounted version with hollow shaft and splined hollow to DIN 5480.

KHZ..

Helical – bevel geared motor in B14 flange – mounted version with hollow shaft and shrink disk

7.2 Type of Combination

The below is combination table between gear box and electro motor in each list the ratio range.

Gear unit size	Stages	D163 D71	D80	D90	D100	D112	D132S	D132M
K/KF/KA/KAF37	3	5.36-106.38	5.36-83.69	5.36-24.99 29.96-72.54	5.36-10.49 13.08-20.19 29.96-58.60			
K/KF/KA/KAF47	3	7.36-11.77 13.65-31.30 39.61-131.87	5.81-104.37	5.81-90.86	5.81-21.81 25.91 35.39-63.30 75.20			
K/KF/KA/KAF57	3	9.59-11.92 19.34-35.70 48.89-145.14	7.55-11.92 15.22-123.85	6.57-108.29	6.57-90.26	6.57-30.28 38.49-76.56		
K/KF/KA/KAF67	3	10.63-12.48 19.30-35.62 48.77-144.79	8.37-12.48 15.19-123.54	7.28-108.03	7.28-90.04	7.28-30.22 38.39-76.37	7.28-24.00 38.39-60.66	7.28-24.00 38.39-60.66
K/KF/KA/KAF77	3	25.62-38.39 64.75-192.18	10.84-12.36 20.25-38.39 51.18-154.02	7.24-135.28	7.24-113.56	7.24-97.05	7.24-30.89 40.04-78.07	7.24-30.89 40.04-78.07
K/KF/KA/KAF87	3		16.00 27.88-31.39 70.46-197.37	11.17 16.00 19.45-31.39 49.16-174.19	8.29-11.17 14.45-147.32	8.29-11.17 14.45-126.91	7.21-102.71	7.21-102.71
K/KF/KA/KAF97	3			24.75-38.30 62.55-176.05	18.96-38.30 47.93-176.05	18.96-38.30 47.93-153.21	8.71-123.93	8.71-123.93
K/KF/KA/KAF107	3				13.43 22.62-29.00 32.69 57.17-143.47	13.43 22.62-29.00 32.69 57.17-143.47	8.69-29.00 32.69-143.47	8.69-29.00 32.69-143.47
K/KF/KA/KAF127	3							12.79 21.15-36.25 47.82-146.07

Gear unit size	Stages	D132ML	D160M	D160L	D180	D200
K/KF/KA/KAF77	3	7.24-23.08 40.04-58.34	7.24-23.08 40.04-58.34			
K/KF/KA/KAF87	3	7.21-79.34	7.21-79.34	7.21-79.34	7.21-14.45 17.42-24.92 36.52-63.00	
K/KF/KA/KAF97	3	8.71-96.80	8.71-96.80	8.71-96.80	8.71-30.82 41.87-77.89	8.71-24.75 41.87-62.55
K/KF/KA/KAF107	3	8.69-112.41	8.69-112.41	8.69-112.41	8.69-90.96	8.69-31.28 37.00-73.30
K/KF/KA/KAF127	3	10.74-12.79 17.77-136.14	10.74-12.79 17.77-136.14	10.74-12.79 17.77-136.14	8.68-110.18	8.68-89.89
K/KF/KA/KAF157	3		18.37-31.30 46.79-150.41	18.37-31.30 46.79-150.41	14.92-122.39	12.65-100.22
K/KH167	3		24.52-32.25 51.77-164.50	24.52-32.25 51.77-164.50	20.32-32.25 42.89-134.99	17.34-109.83
K/KH187	3		33.23-42.51 88.00-179.86	33.23-42.51 88.00-179.86	27.92-42.51 73.96-179.86	17.18-179.86

Gear unit size	Stages	D225	D250M	D280	D315	D315M_A/B
K/KF/KA/KAF107	3	8.69-31.28 37.00-73.30				
K/KF/KA/KAF127	3	8.68-89.89	8.68-31.37 40.19-70.95	8.68-31.37 40.19-70.95		
K/KF/KA/KAF157	3	12.65-100.22	12.65-79.75	12.65-79.75	12.65-23.95 38.02-61.02	12.65-18.37 38.02-46.79
K/KH167	3	17.34-109.83	17.34-87.86	17.34-87.86	17.34-68.07	17.34-24.52 36.61-51.77
K/KH187	3	17.18-179.86	17.18-144.59	17.18-144.59	17.18-112.60	17.18-33.23 45.50-88.00

7.3 Ratio and Max. Torque

K 37-57, n_e=1400 1/min

K37 200Nm

i	n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	AD
106.38	13	200	5640	
97.81	14	200	5640	
83.69	17	200	5640	
72.54	19	200	5520	
67.80	21	200	5360	AD_1
58.60	24	200	5020	
49.79	28	200	4660	
44.46	31	200	4420	
37.97	37	200	4100	
35.57	39	200	3970	
29.96	47	200	3650	
28.83	49	200	3580	
24.99	56	200	3330	
23.36	60	195	3260	
20.19	69	185	3110	
17.15	82	180	2900	
15.31	91	175	2780	AD_2
13.08	107	165	2650	
12.14	115	160	2600	
10.49	133	160	2410	
8.91	157	160	2200	
7.96	176	155	2110	
6.80	206	150	1980	
6.37	220	145	1950	
5.36	261	140	1810	

K47 400Nm

i	n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	AD
131.87	11	400	5920	
121.48	12	400	5920	
104.37	13	400	5920	
90.86	15	400	5920	
85.12	16	400	5920	
75.20	19	400	5920	
69.84	20	400	5920	
63.30	22	400	5920	
56.83	25	400	5920	
48.95	29	400	5920	
46.03	30	400	5920	
39.61	35	400	5920	
35.39	40	400	5920	AD_2
31.30	45	400	5700	
29.32	48	400	5520	
25.91	54	400	5170	
24.06	58	400	4970	
21.81	64	400	4710	
19.58	72	400	4440	
16.86	83	380	4230	
15.86	88	380	4080	
13.65	103	360	3890	
12.19	115	350	3720	
11.77	119	280	4060	
10.56	133	280	3830	
9.10	154	280	3540	
8.56	164	270	3500	
7.36	190	250	3390	AD_3
6.58	213	240	3270	
5.81	241	230	3140	

K57 600Nm

i	n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	AD
145.14	9.6	600	7470	
123.85	11	600	7470	
108.29	13	600	7470	
102.88	14	600	7470	
90.26	16	600	7470	
76.56	18	600	7470	
69.12	20	600	7470	
60.81	23	600	7470	
57.42	24	600	7470	
48.89	29	600	7470	AD_2
44.43	32	600	7470	
38.49	36	600	7470	
35.70	39	600	7470	
30.28	46	600	7310	
27.34	51	600	6930	
24.05	58	600	6480	
22.71	62	600	6280	
19.34	72	575	5910	
17.57	80	555	5740	
15.22	92	535	5430	
13.25	106	510	5190	
11.92	117	415	5150	
11.26	124	415	4990	AD_3
9.59	146	405	4650	
8.71	161	390	4520	
7.55	185	365	4360	
6.57	213	345	4190	

K 67-87, n_e=1400 1/min

K67 820Nm

i	n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	AD
144.79	9.7	820	10300	
123.54	11	820	10300	
108.03	13	820	10300	
102.62	14	820	10300	
90.04	16	820	10300	
76.37	18	820	10300	
68.95	20	820	10300	AD_2
60.66	23	820	10300	
57.28	24	820	10300	
48.77	29	820	10300	
44.32	32	820	10300	
38.39	36	820	10500	
35.62	39	820	10300	
30.22	46	820	10300	
27.28	51	820	10300	
24.00	58	800	10500	
22.66	62	780	10700	
19.30	73	760	10800	
17.54	80	740	11000	AD_3
15.19	92	700	11300	
13.22	106	670	11500	
12.48	112	530	12300	
10.63	132	500	11800	
9.66	145	480	11500	
8.37	167	440	11100	
7.28	192	420	10700	

K77 1550Nm

i	n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	AD
192.18	7.3	1450	16100	
179.37	7.8	1450	16100	
154.02	9.1	1550	15400	
135.28	10	1550	15400	
128.52	11	1550	15400	
113.56	12	1550	15400	
97.05	14	1550	15400	
88.97	16	1550	15400	AD_2
78.07	18	1550	15400	
73.99	19	1550	15400	
64.75	22	1550	15400	
58.34	24	1550	15400	
51.18	27	1550	15400	
45.16	31	1550	15400	
40.04	35	1550	15400	
38.39	36	1550	15700	AD_3
35.20	40	1550	15400	
30.89	45	1550	15400	
29.27	48	1550	15400	
25.62	55	1550	15400	
23.08	61	1550	15400	
20.25	69	1500	15700	
17.87	78	1450	16100	
15.84	88	1400	15500	AD_4
13.52	104	1340	14800	
12.36	113	1000	15100	
10.84	129	990	14400	
9.56	146	940	13900	
8.48	165	890	13500	
7.24	193	820	13100	

K87 2700Nm

i	n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	AD
197.37	7.1	2700	27300	
174.19	8.0	2700	27300	
164.34	8.5	2700	27300	
147.32	9.5	2700	27300	AD_2
126.91	11	2700	27300	
115.82	12	2700	27300	
102.71	14	2700	27300	
86.34	16	2700	27300	
79.34	18	2700	27300	
70.46	20	2700	27300	
63.00	22	2700	26200	
56.64	25	2700	25000	AD_3
49.16	28	2700	23500	
44.02	32	2600	22800	
36.52	38	2500	21400	
31.39	45	2700	19200	
27.88	50	2600	18500	
24.92	56	2500	18000	
22.41	62	2300	17900	
19.45	72	2300	16800	AD_4
17.42	80	2200	16300	
16.00	87	1800	16000	
14.45	97	2100	15300	
12.56	111	2000	14800	
11.17	125	1500	14900	
10.00	140	1500	14200	
8.29	169	1400	13500	AD_5
7.21	194	1300	13200	

K97 - K127 n_e=1400 1/min

K97				4300Nm
i	n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	AD
176.05	8.0	4300	40000	
153.21	9.1	4300	40000	
140.28	10	4300	40000	
123.93	11	4300	40000	
105.13	13	4300	40000	AD_3
96.80	14	4300	40000	
86.52	16	4300	38800	
77.89	18	4300	37100	
70.54	20	4300	35600	
62.55	22	4300	33800	
56.55	25	4300	32300	AD_4
47.93	29	4300	30000	
41.87	33	4300	28300	
38.30	37	4300	27100	
34.23	41	4300	25700	
30.82	45	4300	24500	
27.91	50	4300	23300	AD_5
24.75	57	4300	22000	
22.37	63	4300	20900	
18.96	74	4300	19100	
16.56	85	4300	17800	
13.85	101	4300	16100	AD_6
11.99	117	3890	16200	
10.41	134	2870	16400	AD_6
8.71	161	2660	15800	AD_6

K107				8000Nm
i	n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	AD
143.47	9.8	8000	65000	
121.46	12	8000	61700	
112.41	12	8000	59700	
100.75	14	8000	57000	
90.96	15	8000	54600	AD_4
82.61	17	8000	52400	
73.30	19	8000	49700	
66.52	21	8000	47600	
57.17	24	8000	44400	
49.90	28	7840	42200	
42.33	33	7360	40500	
37.00	38	7200	38500	AD_5
32.69	43	7200	36300	
31.28	45	6800	36700	
29.00	48	7200	34000	
26.32	53	7200	32000	
22.62	62	7200	28900	
19.74	71	7200	26100	
16.75	84	7050	23600	AD_6
14.64	96	6890	21900	
13.43	104	4300	29200	
11.73	119	4300	27500	
9.94	141	4190	25800	
8.69	161	4070	24600	

K127				13000Nm
i	n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	AD
146.07	9.6	13000	79200	
136.14	10	13000	79200	AD_4
122.48	11	13000	79200	
110.18	13	13000	79200	
89.89	16	13000	75100	
81.98	17	13000	72100	
70.95	20	13000	67700	AD_5
62.60	22	13000	64000	
54.07	26	13000	59900	
47.82	29	13000	56500	
40.19	35	13000	52000	AD_6
36.25	39	13000	49400	
31.37	45	13000	45900	AD_7
27.68	51	13000	43000	
23.91	59	13000	39800	
21.15	66	13000	37200	
17.77	79	13000	33600	
14.35	98	12100	31800	AD_8
12.79	109	8530	35400	
10.74	130	8000	33900	
8.68	161	7230	32500	

K157-187, n_e=1400 1/min

K157				18000Nm
i	n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	AD
150.41	9.3	18000	112200	
122.39	11	18000	106500	
100.22	14	18000	98000	
91.65	15	18000	94400	AD_5
79.75	18	18000	88900	
70.38	20	18000	84200	
61.02	23	18000	79000	
54.29	26	18000	74900	AD_6
46.79	30	18000	70000	AD_7
38.02	37	18000	63300	
31.30	45	18000	57500	
27.62	51	18000	54000	
23.95	58	18000	50000	
21.31	66	18000	47000	AD_8
18.37	76	18000	43200	
14.92	94	18000	38200	
12.65	111	17000	36700	

K167				32000Nm
i	n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	AD
164.50	8.5	32000	150000	AD_6
134.99	10	32000	150000	AD_6
109.83	13	32000	150000	
87.86	16	32000	147200	
78.14	18	32000	140100	AD_7
68.07	21	32000	132000	
60.74	23	32000	125600	
51.77	27	32000	117000	
42.89	33	32000	107400	
36.61	38	32000	99700	
32.25	43	32000	93700	
28.77	49	32000	88600	AD_8
24.52	57	32000	81700	
20.32	69	32000	74000	
17.34	81	32000	67900	

K187				50000Nm
i	n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	AD
179.86	7.8	50000	190000	
165.21	8.5	50000	190000	AD_6
144.59	9.7	50000	190000	
129.69	11	50000	188200	
112.60	12	50000	177200	AD_7
102.16	14	50000	169900	
88.00	16	50000	159000	
73.96	19	50000	147000	
64.04	22	50000	137500	
53.36	26	50000	126100	
45.50	31	50000	116600	
42.51	33	50000	112700	AD_8
38.57	36	50000	107200	
33.23	42	50000	99100	
27.92	50	50000	90200	
24.18	58	47600	86800	
20.15	69	43900	84000	
17.18	81	41400	80800	

K37R17, K47/57R37 n_e=1400 1/min

K37R17			200Nm
i	n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]
6832	0.20	200	5640
5922	0.24	200	5640
5491	0.25	200	5640
4759	0.29	200	5640
4160	0.34	200	5640
3645	0.38	200	5640
3205	0.44	200	5640
2801	0.50	200	5640
2454	0.57	200	5640
2166	0.65	200	5640
1891	0.74	200	5640
1660	0.84	200	5640
1466	0.95	200	5640
1288	1.1	200	5640
1136	1.2	200	5640
996	1.4	200	5640
876	1.6	200	5640
761	1.8	200	5640
671	2.1	200	5640
585	2.4	200	5640
512	2.7	200	5640
451	3.1	200	5640
396	3.5	200	5640
346	4.0	200	5640
304	4.6	200	5640
267	5.2	200	5640
234	6.0	200	5640
205	6.8	200	5640
181	7.7	200	5640
160	8.8	200	5640
136	10	200	5640
127	11	200	5640
110	13	200	5640
96	15	200	5640

K47R37			400Nm
i	n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]
10138	0.14	400	5920
8534	0.16	400	5920
7662	0.18	400	5920
6826	0.21	400	5920
5983	0.23	400	5920
5159	0.27	400	5920
4601	0.30	400	5920
3940	0.36	400	5920
3477	0.40	400	5920
3043	0.46	400	5920
2733	0.51	400	5920
2354	0.59	400	5920
2063	0.68	400	5920
1819	0.77	400	5920
1586	0.88	400	5920
1388	1.0	400	5920
1222	1.1	400	5920
1097	1.3	400	5920
945	1.5	400	5920
831	1.7	400	5920
718	1.9	400	5920
639	2.2	400	5920
552	2.5	400	5920
495	2.8	400	5920
426	3.3	400	5920
375	3.7	400	5920
327	4.3	400	5920
289	4.8	400	5920
256	5.5	400	5920
225	6.2	400	5920
198	7.1	400	5920
171	8.2	400	5920
153	9.2	400	5920
131	11	400	5920
112	13	400	5920
99	14	400	5920
94	15	400	5920

K57R37			600Nm
i	n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]
12169	0.12	600	7470
11162	0.13	600	7470
9503	0.15	600	7470
8547	0.16	600	7470
7277	0.19	600	7470
6478	0.22	600	7470
5662	0.25	600	7470
5033	0.28	600	7470
4340	0.32	600	7470
3854	0.36	600	7470
3390	0.41	600	7470
2924	0.48	600	7470
2593	0.54	600	7470
2249	0.62	600	7470
1986	0.70	600	7470
1743	0.80	600	7470
1539	0.91	600	7470
1354	1.0	600	7470
1174	1.2	600	7470
1036	1.4	600	7470
906	1.5	600	7470
806	1.7	600	7470
699	2.0	600	7470
615	2.3	600	7470
544	2.6	600	7470
473	3.0	600	7470
421	3.3	600	7470
362	3.9	600	7470
319	4.4	600	7470
280	5.0	600	7470
246	5.7	600	7470
215	6.5	600	7470
192	7.3	600	7470
166	8.4	600	7470
145	9.7	600	7470
129	11	600	7470
111	13	600	7470
97	14	600	7470

K67/77R37, K87R57 n_e=1400 1/min

K67R37			820Nm
i	n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]
12139	0.12	820	10300
11134	0.13	820	10300
9479	0.15	820	10300
8173	0.17	820	10300
7259	0.19	820	10300
6462	0.22	820	10300
5648	0.25	820	10300
4846	0.29	820	10300
4329	0.32	820	10300
3750	0.37	820	10300
3315	0.42	820	10300
2917	0.48	820	10300
2532	0.55	820	10300
2244	0.62	820	10300
1981	0.71	820	10300
1739	0.81	820	10300
1535	0.91	820	10300
1351	1.0	820	10300
1171	1.2	820	10300
1034	1.4	820	10300
903	1.6	820	10300
793	1.8	820	10300
697	2.0	820	10300
613	2.3	820	10300
542	2.6	820	10300
471	3.0	820	10300
420	3.3	820	10300
361	3.9	820	10300
323	4.3	820	10300
279	5.0	820	10300
246	5.7	820	10300
217	6.5	820	10300
191	7.3	820	10300
166	8.4	820	10300
144	9.7	820	10300
122	11	820	10300

K77R37			1550Nm
i	n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]
15310	0.09	1550	15400
14043	0.10	1550	15400
11955	0.12	1550	15400
10217	0.14	1550	15400
8809	0.16	1550	15400
7528	0.19	1500	15400
6606	0.21	1550	15400
5774	0.24	1550	15400
5089	0.28	1550	15400
4489	0.31	1550	15400
3961	0.35	1550	15400
3485	0.40	1500	15400
2901	0.48	1550	15400
2717	0.52	1550	15400
2370	0.59	1550	15400
2050	0.68	1550	15400
1772	0.79	1550	15400
1514	0.92	1500	15400
1388	1.0	1550	15400
1218	1.1	1550	15400
1053	1.3	1550	15400
924	1.5	1550	15400
815	1.7	1550	15400
709	2.0	1500	15400
622	2.3	1550	15400
552	2.5	1550	15400
485	2.9	1550	15400
428	3.3	1550	15400
367	3.8	1550	15400
328	4.3	1500	15400
290	4.8	1550	15400
252	5.6	1550	15400
221	6.3	1550	15400
195	7.2	1550	15400
175	8.0	1550	15400
154	9.1	1550	15400

K87R57			2700Nm
i	n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]
14829	0.09	2700	27300
13168	0.11	2700	27300
11737	0.12	2700	27300
10217	0.14	2700	27300
9073	0.15	2700	27300
7854	0.18	2700	27300
6832	0.20	2700	27300
5930	0.24	2700	27300
5240	0.27	2700	27300
4562	0.31	2700	27300
4037	0.35	2700	27300
3609	0.39	2700	27300
3107	0.45	2700	27300
2728	0.51	2700	27300
2371	0.59	2700	27300
2088	0.67	2700	27300
1854	0.76	2700	27300
1657	0.84	2700	27300
1415	0.99	2700	27300
1229	1.1	2700	27300
1078	1.3	2700	27300
951	1.5	2700	27300
837	1.7	2700	27300
726	1.9	2700	27300
638	2.2	2700	27300
562	2.5	2700	27300
474	3.0	2700	27300
426	3.3	2700	27300
373	3.8	2700	27300
330	4.2	2700	27300
294	4.8	2700	27300
250	5.6	2700	27300
236	5.9	2700	27300
201	7.0	2700	27300
183	7.7	2700	27300
159	8.8	2700	27300
141	9.9	2700	27400

K97R57, K107/127R77 n_e=1400 1/min

K97R57			4300Nm
i	n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]
18091	0.08	4300	40000
16666	0.08	4300	40000
14897	0.09	4300	40000
13182	0.11	4300	40000
11677	0.12	4300	40000
10317	0.14	4300	40000
9083	0.15	4300	40000
8054	0.17	4300	40000
6970	0.20	4300	40000
6027	0.23	4300	40000
5391	0.26	4300	40000
4669	0.30	4300	40000
4082	0.34	4300	40000
3583	0.39	4300	40000
3108	0.45	4300	40000
2757	0.51	4300	40000
2419	0.58	4300	40000
2123	0.66	4300	40000
1856	0.75	4300	40000
1625	0.86	4300	40000
1430	0.98	4300	40000
1261	1.1	4300	40000
1102	1.3	4300	40000
957	1.5	4300	40000
855	1.6	4300	40000
743	1.9	4300	40000
652	2.1	4300	40000
573	2.4	4300	40000
504	2.8	4300	40000
437	3.2	4300	40000
382	3.7	4300	40000
342	4.1	4300	40000
305	4.6	4300	40000
258	5.4	4300	40000
232	6.0	4300	40000
199	7.0	4300	40000

K107R77			8000Nm
i	n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]
14311	0.10	8000	65000
12211	0.11	8000	65000
10677	0.13	8000	65000
9524	0.15	8000	65000
8328	0.17	8000	65000
7270	0.19	8000	65000
6184	0.23	8000	65000
5662	0.25	8000	65000
5138	0.27	8000	65000
4359	0.32	8000	65000
3810	0.37	8000	65000
3358	0.42	8000	65000
2977	0.47	8000	65000
2599	0.54	8000	65000
2286	0.61	8000	65000
1939	0.72	8000	65000
1713	0.82	8000	65000
1554	0.90	8000	65000
1336	1.0	8000	65000
1166	1.2	8000	65000
1030	1.4	8000	65000
904	1.5	8000	65000
793	1.8	8000	65000
696	2.0	8000	65000
615	2.3	8000	65000
522	2.7	8000	65000
461	3.0	8000	65000
408	3.4	8000	65000
364	3.8	8000	65000
318	4.4	8000	65000
286	4.9	8000	65000
251	5.6	8000	65000
222	6.3	8000	65000
196	7.1	8000	65000
174	8.0	7200	65000
154	9.1	7200	65000
140	10	7200	65000

K127R77			13000Nm
i	n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]
17550	0.08	13000	79200
16006	0.09	13000	79200
14975	0.09	13000	79200
12440	0.11	13000	79200
10915	0.13	13000	79200
9819	0.14	13000	79200
8443	0.17	13000	79200
7482	0.19	13000	79200
6565	0.21	13000	79200
5804	0.24	13000	79200
5027	0.28	13000	79200
4423	0.32	13000	79200
3889	0.36	13000	79200
3311	0.42	13000	79200
3009	0.47	13000	79200
2607	0.54	13000	79200
2268	0.62	13000	79200
1926	0.73	13000	79200
1757	0.80	13000	79200
1541	0.91	13000	79200
1342	1.0	13000	79200
1177	1.2	13000	79200
1025	1.4	13000	79200
899	1.6	13000	79200
790	1.8	13000	79200
704	2.0	13000	79200
610	2.3	13000	79200
549	2.6	13000	79200
477	2.9	13000	79200
418	3.3	13000	79200

K127R87, K157R97, K157R107 n_e=1400 1/min

K127R87			13000Nm
i	n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]
536	2.6	13000	79200
473	3.0	13000	79200
418	3.3	13000	79200
367	3.8	13000	79200
330	4.2	13000	79200
287	4.9	13000	79200
253	5.5	13000	79200
213	6.6	13000	79200
200	7.0	13000	79700
166	8.4	13000	79700
147	9.5	13000	79700

K157R97			18000Nm
i	n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]
17679	0.08	18000	112200
15729	0.09	18000	112200
14721	0.10	18000	112200
13097	0.11	18000	112200
11368	0.12	18000	112200
10114	0.14	18000	112200
8718	0.16	18000	112200
7734	0.18	18000	112200
6881	0.20	18000	112200
5931	0.24	18000	112200
5074	0.28	18000	112200
4514	0.31	18000	112200
3979	0.35	18000	112200
3516	0.40	18000	112200
3051	0.46	18000	112200
2610	0.54	18000	112200
2322	0.60	18000	112200
2029	0.69	18000	112200
1805	0.78	18000	112200
1659	0.84	18000	112200
1365	1.0	18000	112200
1229	1.1	18000	112200
1093	1.3	18000	112200
942	1.5	18000	112200
854	1.6	18000	112200
756	1.9	18000	112200
661	2.1	18000	112200
567	2.5	18000	112200
504	2.8	18000	112200
434	3.2	18000	112200
379	3.7	18000	112200
333	4.2	18000	112200
291	4.8	18000	112200

K157R107			18000Nm
i	n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]
385	3.6	18000	112200
325	4.3	18000	111200
299	4.7	18000	111200
253	5.5	18000	112200
230	6.1	18000	111200
213	6.6	18000	111200
187	7.5	18000	112200
157	8.9	18000	111200
122	11	18000	106500
107	13	18000	100700

K167/187R97, K167/187R107 n_e=1400 1/min

K167R97			32000Nm
i	n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]
19723	0.07	32000	150000
17406	0.08	32000	150000
15000	0.09	32000	150000
13238	0.11	32000	150000
11573	0.12	32000	150000
10264	0.14	32000	150000
8628	0.16	32000	150000
6562	0.21	32000	150000
5355	0.26	32000	150000
4788	0.29	32000	150000
4079	0.34	32000	150000
3376	0.41	32000	150000
2755	0.51	32000	150000
2263	0.62	32000	150000
2182	0.64	32000	150000
1704	0.82	32000	150000
1408	0.99	32000	150000
1296	1.1	32000	150000
1101	1.3	32000	150000
944	1.5	32000	150000
843	1.7	32000	150000
757	1.8	32000	150000
632	2.2	32000	150000
561	2.5	32000	150000
481	2.9	32000	150000
423	3.3	32000	150000
369	3.8	32000	150000

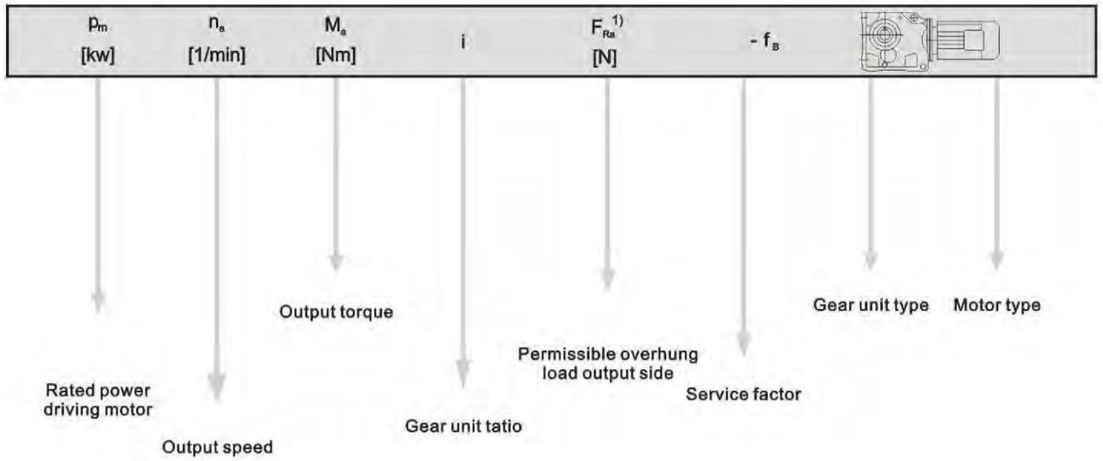
K167R107			32000Nm
i	n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]
318	4.4	32000	150000
278	5.0	32000	150000
244	5.7	32000	150000
213	6.6	32000	150000
206	6.8	32000	150000
180	7.8	32000	150000
160	8.8	32000	150000
135	10	32000	150000
118	12	32000	150000

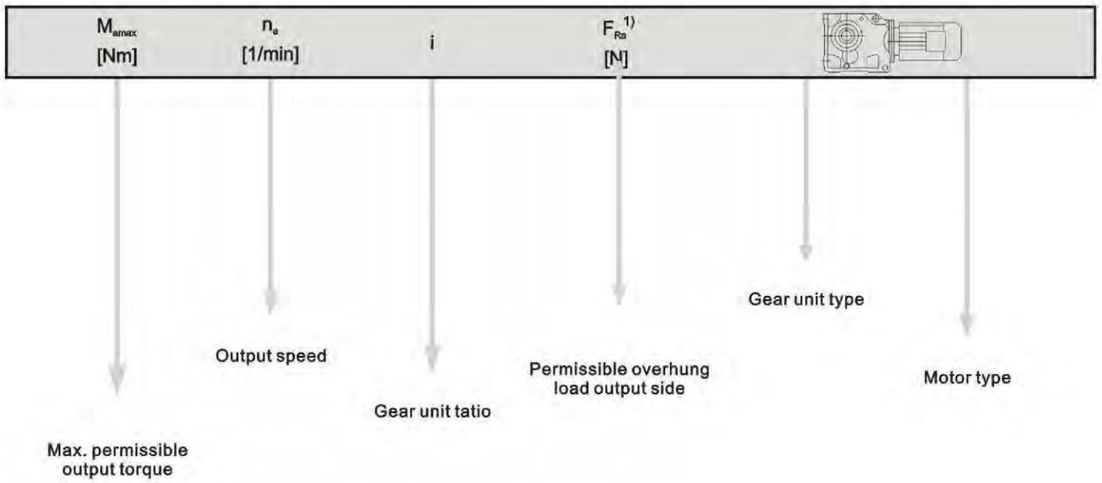
K187R97			50000Nm
i	n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]
32625	0.04	50000	190000
27165	0.05	50000	190000
24353	0.06	50000	190000
19144	0.07	50000	190000
16978	0.08	50000	190000
14272	0.10	50000	190000
13116	0.11	50000	190000
11647	0.12	50000	190000
10413	0.13	50000	190000
9363	0.15	50000	190000
8126	0.17	50000	190000
7343	0.19	50000	190000
6747	0.21	50000	190000
5991	0.23	50000	190000
5358	0.26	50000	190000
4817	0.29	50000	190000
4370	0.32	50000	190000
3609	0.39	50000	190000
3062	0.46	50000	190000
2818	0.50	50000	190000
2519	0.56	50000	190000
2268	0.62	50000	190000
2054	0.68	50000	190000
1821	0.77	50000	190000
1605	0.87	50000	190000
1395	1.0	50000	190000
1196	1.2	50000	190000
1046	1.3	50000	190000
945	1.5	50000	190000
738	1.9	50000	190000
621	2.3	50000	190000
527	2.7	50000	190000

K187R107			50000Nm
i	n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]
835	1.7	50000	190000
729	1.9	50000	190000
622	2.3	50000	190000
520	2.7	50000	190000
454	3.1	50000	190000
355	3.9	50000	190000
261	5.4	50000	190000
221	6.3	50000	190000
193	7.3	50000	190000
163	8.6	50000	190000

7.4 Selection table

Selection table geared motors





Cuttine

※ EEXE motor is optional.

1) Overhung load specified for foot – mounted gear unit with solid shaft

Notice:

In drives for particularly low output speeds (multi – stage geared motors), the motor power must be limited according to maximum permitted output torque of the gear unit.

Output speed n_2 [r/min]	Output torque Ta [N·m]	Ratio i	Permitted overhung load FR2 [N]	Service factor fB		Model
0.12kW						
0.08	11800	17550	79800	1.10		
0.09	10700	16006	80400	1.20		
0.09	9880	14975	80700	1.30	K	**127R77 D63S4**
0.11	8010	12440	81500	1.60	KF	**127R77 D63S4**
0.13	6920	10915	81800	1.90	KA	**127R77 D63S4**
0.14	6320	9819	82000	2.1	KAF	**127R77 D63S4**
0.16	5220	8443	82300	2.5		
0.18	4820	7482	82300	2.7		
0.10	9590	14311	65000	0.85		
0.11	8060	12211	65000	1.00		
0.13	6930	10677	65000	1.15		
0.14	6280	9524	65000	1.25	K	**107R77 D63S4**
0.17	5410	8328	65000	1.50	KF	**107R77 D63S4**
0.19	4720	7270	65000	1.70	KA	**107R77 D63S4**
0.22	3760	6184	65000	2.1	KAF	**107R77 D63S4**
0.24	3320	5662	65000	2.4		
0.27	3020	5138	65000	2.7		
0.32	2700	4359	65000	3.0		
0.17	5310	8054	39500	0.80		
0.20	4350	6970	40000	1.00		
0.23	3890	6027	40000	1.10	K	**97 R57 D63S4**
0.26	3560	5391	40000	1.20	KF	**97 R57 D63S4**
0.30	2950	4669	40000	1.45	KA	**97 R57 D63S4**
0.34	2640	4082	40000	1.65	KAF	**97 R57 D63S4**
0.39	2320	3583	40000	1.85		
0.44	2040	3108	40000	2.1		
0.50	1720	2757	40000	2.5		
0.57	1580	2419	40000	2.7		
0.65	1370	2123	40000	3.2	K	**97 R57 D63S4**
0.74	1220	1856	40000	3.5	KF	**97 R57 D63S4**
0.85	1000	1625	40000	4.3	KA	**97 R57 D63S4**
0.96	860	1430	40000	5.0	KAF	**97 R57 D63S4**
1.1	830	1261	40000	5.2		
1.2	725	1102	40000	5.9		
0.26	3380	5240	26300	0.80		
0.30	2850	4562	27100	0.95	K	**87 R57 D63S4**
0.34	2610	4037	27400	1.05	KF	**87 R57 D63S4**
0.38	2330	3609	27700	1.15	KA	**87 R57 D63S4**
0.44	1990	3107	28100	1.35	KAF	**87 R57 D63S4**
0.51	1700	2728	28300	1.60		
0.58	1500	2371	28500	1.80		
0.66	1380	2088	28600	1.95		
0.74	1220	1854	28700	2.2		
0.83	1090	1657	28700	2.5	K	**87 R57 D63S4**
0.97	930	1415	28800	2.9	KF	**87 R57 D63S4**
1.1	800	1229	28900	3.4	KA	**87 R57 D63S4**
1.3	695	1078	28900	3.9	KAF	**87 R57 D63S4**
1.5	585	951	29000	4.6		
1.6	505	837	29000	5.4		
1.9	435	726	29000	6.2		
					K	**77 R37 D63S4**
0.51	1790	2717	13400	0.85	KF	**77 R37 D63S4**
0.58	1510	2370	15700	1.05	KA	**77 R37 D63S4**
					KAF	**77 R37 D63S4**
0.67	1380	2050	16500	1.10		
0.78	1180	1772	17500	1.30		
0.91	1010	1514	18300	1.55		
0.99	920	1388	18600	1.70	K	**77 R37 D63S4**
1.1	810	1218	19000	1.90	KF	**77 R37 D63S4**
1.3	710	1053	19200	2.2	KA	**77 R37 D63S4**
1.5	620	924	19500	2.5	KAF	**77 R37 D63S4**
1.7	550	815	19600	2.8		
2.0	440	709	19800	3.5		
2.2	385	622	19900	4.0		

Output speed n_2 [r/min]	Output torque Ta [N·m]	Ratio i	Permitted overhung load FR2 [N]	Service factor fB		Model
0.12kW						
1.0	930	1351	9230	0.90		
1.2	795	1171	10500	1.05		
1.3	695	1034	11300	1.20		
1.5	585	903	12000	1.40		
1.7	545	793	12200	1.50		
2.0	440	697	12700	1.85	K	**67 R37 D63S4**
2.2	390	613	12900	2.1	KF	**67 R37 D63S4**
2.5	340	542	13000	2.4	KA	**67 R37 D63S4**
2.9	315	471	13000	2.6	KAF	**67 R37 D63S4**
3.3	265	420	13000	3.1		
3.8	235	361	13000	3.5		
4.3	210	323	13000	3.9		
4.9	176	279	13000	4.7		
5.6	155	246	13000	5.3		
6.3	134	217	13000	6.1		
1.5	585	906	7750	1.05		
1.7	525	806	8220	1.15		
2.0	445	699	8690	1.35		
2.2	390	615	8930	1.55		
2.5	340	544	9120	1.75	K	**57 R37 D63S4**
2.9	310	473	9250	1.95	KF	**57 R37 D63S4**
3.3	265	421	9420	2.3	KA	**57 R37 D63S4**
3.8	235	362	9510	2.5	KAF	**57 R37 D63S4**
4.3	210	319	9610	2.9		
4.9	176	280	9710	3.4		
5.6	155	246	9770	3.9		
6.4	135	215	9830	4.4		
7.2	122	192	9860	4.9		
2.2	430	639	2520	0.95		
2.5	370	552	6350	1.10	K	**47 R37 D63S4**
2.8	315	495	6930	1.25	KF	**47 R37 D63S4**
3.2	280	426	7240	1.45	KA	**47 R37 D63S4**
3.7	235	375	7560	1.70	KAF	**47 R37 D63S4**
4.2	215	327	7670	1.85		
4.8	189	289	7830	2.1		
4.0	235	346	4840	0.85		
4.5	200	304	5640	1.00		
5.2	182	267	5830	1.10	K	**37 R17 D63S4**
5.9	157	234	6060	1.25	KF	**37 R17 D63S4**
6.7	138	205	6220	1.45	KA	**37 R17 D63S4**
7.6	120	181	6330	1.65	KAF	**37 R17 D63S4**
8.6	105	160	6420	1.90		
10	88	136	6500	2.3		
					K	**67 D63M6**
6.2	184	144.79	13000	4.4	KF	**67 D63M6**
					KA	**67 D63M6**
					KAF	**67 D63M6**
6.2	185	145.14	9680	3.2		
7.3	158	123.85	9760	3.8	K	**57 D63M6**
8.3	138	108.29	9820	4.3	KF	**57 D63M6**
8.8	131	102.88	9840	4.6	KA	**57 D63M6**
10	115	90.26	9880	5.2	KAF	**57 D63M6**
12	98	76.56	9930	6.2		
9.5	121	145.14	9870	5.0		
11	103	123.85	9920	5.8	K	**57 D63S4**
13	90	108.29	9950	6.7	KF	**57 D63S4**
13	85	102.88	9960	7.0	KA	**57 D63S4**
15	75	90.26	9990	8.0	KAF	**57 D63S4**
6.8	168	131.87	7930	2.4	K	**47 D63M6**
7.4	155	121.48	7990	2.6	KF	**47 D63M6**
8.6	133	104.37	8070	3.0	KA	**47 D63M6**
					KAF	**47 D63M6**
10	110	131.87	8140	3.7	K	**47 D63S4**
11	101	121.48	8170	4.0	KF	**47 D63S4**
					KA	**47 D63S4**
					KAF	**47 D63S4**

Output speed n_2 [r/min]	Output torque Ta [N·m]	Ratio i	Permitted overhung load FR2 [N]	Service factor fB	Model		
0.25kW							
3.1	655	421	5750	0.90			
3.6	575	362	7840	1.05			
4.1	505	319	8380	1.20			
4.7	435	280	8720	1.35			
5.3	385	246	8950	1.55	K	57 R37	D63L4
6.1	335	215	9150	1.80	KF	57 R37	D63L4
6.8	300	192	9280	2.0	KA	57 R37	D63L4
7.8	260	166	9430	2.3	KAF	57 R37	D63L4
9.0	225	145	9550	2.7			
10	205	129	9620	2.9			
12	173	111	9720	3.5			
13	152	97	9780	4.0			
4.4	540	154.02	19600	2.9	K	77	D80N8
5.0	475	135.28	19700	3.3	KF	77	D80N8
5.3	450	128.52	19800	3.4	KA	77	D80N8
6.0	400	113.56	19900	3.9	KAF	77	D80N8
4.6	520	192.18	19700	2.8	K	77	D71D6
4.9	485	179.37	19700	3.0	KF	77	D71D6
5.7	420	154.02	19800	3.7	KA	77	D71D6
6.5	365	135.28	19900	4.2	KAF	77	D71D6
5.5	435	123.54	12700	1.90	K	67	D80N8
6.3	380	108.03	12900	2.2	KF	67	D80N8
6.6	360	102.62	12900	2.3	KA	67	D80N8
7.6	315	90.04	13000	2.6	KAF	67	D80N8
6.1	395	144.79	12800	2.1	K	67	D71D6
7.1	335	123.54	13000	2.5	KF	67	D71D6
8.1	395	108.03	13000	2.8	KA	67	D71D6
8.6	280	102.62	13000	3.0	KAF	67	D71D6
9.0	265	144.79	13000	3.1	K	67	D63L4
11	225	123.54	13000	3.6	KF	67	D63L4
12	198	108.03	13000	4.1	KA	67	D63L4
13	189	102.62	13000	4.3	KAF	67	D63L4
6.1	395	145.14	8910	1.50			
7.1	335	123.85	9150	1.80	K	57	D71D6
8.1	295	108.29	9310	2.0	KF	57	D71D6
8.6	280	102.88	9360	2.2	KA	57	D71D6
9.8	245	90.26	9480	2.5	KAF	57	D71D6
11	210	76.56	9610	2.9			
9.0	265	145.14	9410	2.2			
11	225	123.85	9540	2.6	K	57	D63L4
12	199	108.29	9640	3.0	KF	57	D63L4
13	189	102.88	9670	3.2	KA	57	D63L4
14	166	90.26	9740	3.6	KAF	57	D63L4
17	141	76.56	9810	4.3			
6.7	360	131.87	6470	1.10	K	47	D71D6
7.2	330	121.48	6780	1.20	KF	47	D71D6
8.4	285	104.37	7210	1.40	KA	47	D71D6
9.7	245	90.86	7480	1.60	KAF	47	D71D6
10	230	85.12	7590	1.75			
9.9	240	131.87	7510	1.65	K	47	D63L4
11	225	121.48	7640	1.80	KF	47	D63L4
12	192	104.37	7820	2.1	KA	47	D63L4
14	167	90.86	7930	2.4	KAF	47	D63L4
15	156	85.12	7980	2.6			
11	225	83.69	5300	0.90	K	37	D71D6
12	197	72.54	5680	1.00	KF	37	D71D6
13	184	67.80	5810	1.10	KA	37	D71D6
15	159	58.60	6050	1.25	KAF	37	D71D6
18	135	49.79	6230	1.50			

Output speed n_2 [r/min]	Output torque Ta [N·m]	Ratio i	Permitted overhung load FR2 [N]	Service factor fB	Model		
0.25kW							
12	195	106.38	5690	1.00			
13	180	97.81	5860	1.10			
16	154	83.69	6090	1.30			
18	133	72.54	6250	1.50			
19	125	67.80	6230	1.60			
22	108	58.60	6030	1.85			
26	91	49.79	5810	2.2			
29	82	44.46	5650	2.5			
34	70	37.97	5430	2.9			
37	65	35.57	5340	3.1			
43	55	29.96	5100	3.6	K	37	D63L4
45	53	28.83	5050	3.8	KF	37	D63L4
52	46	24.99	4860	4.4	KA	37	D63L4
56	43	23.36	4770	4.6	KAF	37	D63L4
64	37	20.19	4580	5.0			
76	32	17.15	4370	5.7			
85	28	15.31	4230	6.2			
99	24	13.08	4030	6.9			
107	22	12.14	3940	7.2			
124	19	10.49	3780	8.3			
146	16	8.91	3590	9.8			
163	15	7.96	3470	11			
191	13	6.80	3310	12			
204	12	6.37	3240	12			
0.37kW							
0.18	16600	7482	72600	0.80			
0.21	14500	6565	76900	0.90	K	127 R77	D71D4
0.24	12600	5804	79400	1.05	KF	127 R77	D71D4
0.27	11000	5027	80200	1.20	KA	127 R77	D71D4
0.31	9610	4423	80800	1.35	KAF	127 R77	D71D4
0.35	8430	3889	81300	1.55			
0.42	7120	3311	81700	1.85			
0.72	4230	1926	82500	3.1	K	127 R77	D71D4
0.79	3860	1757	82500	3.4	KF	127 R77	D71D4
0.90	3360	1541	82600	3.9	KA	127 R77	D71D4
					KAF	127 R77	D71D4
0.36	8380	3810	65000	0.95			
0.41	7300	3358	65000	1.10	K	107 R77	D71D4
0.46	6510	2977	65000	1.25	KF	107 R77	D71D4
0.53	5690	2599	65000	1.40	KA	107 R77	D71D4
0.60	4970	2286	65000	1.60	KAF	107 R77	D71D4
0.71	4210	1939	65000	1.90			
0.81	3790	1713	65000	2.1	K	107 R77	D71D4
0.89	3440	1554	65000	2.3	KF	107 R77	D71D4
1.0	2950	1336	65000	2.7	KA	107 R77	D71D4
1.2	2580	1166	65000	3.1	KAF	107 R77	D71D4
0.65	4770	2123	40000	0.90			
0.74	4200	1856	40000	1.00			
0.85	3610	1625	40000	1.20			
0.96	3160	1430	40000	1.35	K	97 R57	D71D4
1.1	2850	1261	40000	1.50	KF	97 R57	D71D4
1.2	2490	1102	40000	1.70	KA	97 R57	D71D4
1.4	2160	957	40000	2.0	KAF	97 R57	D71D4
1.6	1930	855	40000	2.2			
1.9	1620	743	40000	2.7			
2.1	1430	652	40000	3.0			
2.4	1280	573	40000	3.4			
0.97	3200	1415	26600	0.85			
1.1	2770	1229	27200	0.95			
1.3	2420	1078	27600	1.10			
1.5	2110	951	27900	1.30	K	87 R57	D71D4
1.6	1850	837	28200	1.45	KF	87 R57	D71D4
1.9	1600	726	28400	1.70	KA	87 R57	D71D4
2.2	1420	638	28500	1.90	KAF	87 R57	D71D4
2.5	1240	562	28600	2.2			
2.9	1040	474	28800	2.6			
3.2	940	426	28800	2.9			
3.7	810	373	28900	3.3			

Output speed n_2 [r/min]	Output torque Ta [N·m]	Ratio i	Permitted overhung load FR2 [N]	Service factor fB	Model		
0.37kW							
1.7	1860	815	10600	0.85			
2.0	1580	709	15200	1.00			
2.2	1380	622	16500	1.10			
2.5	1230	552	17300	1.25			
2.8	1080	485	18000	1.45	K	77 R37	D71D4
3.2	950	428	18500	1.60	KF	77 R37	D71D4
3.8	830	367	18900	1.85	KA	77 R37	D71D4
4.2	735	328	19200	2.1	KAF	77 R37	D71D4
4.8	655	290	19400	2.4			
5.5	565	252	19600	2.8			
6.2	495	221	19700	3.1			
7.1	435	195	19800	3.5			
7.9	390	175	19900	4.0			
9.0	340	154	19900	4.5			
3.3	940	420	9000	0.90			
3.8	820	361	10300	1.00			
4.3	725	323	11100	1.15			
4.9	625	279	11800	1.30	K	67 R37	D71D4
5.6	550	246	12200	1.50	KF	67 R37	D71D4
6.3	485	217	12500	1.70	KA	67 R37	D71D4
7.2	430	191	12700	1.90	KAF	67 R37	D71D4
8.3	370	166	12900	2.2			
9.6	320	144	13000	2.5			
11	275	122	13000	3.0			
4.9	625	280	7430	0.95			
5.6	550	246	8040	1.10			
6.4	480	215	8520	1.25	K	57 R37	D71D4
7.2	430	192	8750	1.40	KF	57 R37	D71D4
8.3	370	166	9000	1.60	KA	57 R37	D71D4
9.6	325	145	9200	1.85	KAF	57 R37	D71D4
11	290	129	9320	2.1			
12	245	111	9480	2.4			
14	215	97	9580	2.8			
3.9	910	174.19	28800	3.0	K	87	D90S8
4.1	850	164.34	28900	3.2	KF	87	D90S8
4.6	765	147.32	28900	3.5	KA	87	D90S8
					KAF	87	D90S8
					K	87	D80K6
4.6	775	197.37	28900	3.5	KF	87	D80K6
5.2	685	174.19	28900	4.0	KA	87	D80K6
					KAF	87	D80K6
5.0	705	135.28	19300	2.2	K	77	D90S8
5.3	670	128.52	19300	2.3	KF	77	D90S8
6.0	590	113.56	19500	2.6	KA	77	D90S8
7.0	505	97.05	19700	3.1	KAF	77	D90S8
5.8	605	154.02	19500	2.6	K	77	D80K6
6.7	530	135.28	19600	2.9	KF	77	D80K6
7.0	505	128.52	19700	3.1	KA	77	D80K6
7.9	445	113.56	19800	3.5	KAF	77	D80K6
7.2	490	192.18	19700	3.0	K	77	D71D4
7.7	460	179.37	19800	3.2	KF	77	D71D4
9.0	395	154.02	19900	3.9	KA	77	D71D4
					KAF	77	D71D4
6.3	560	108.03	12100	1.45	K	67	D90S8
6.6	535	102.62	12300	1.55	KF	67	D90S8
7.6	470	90.04	12600	1.75	KA	67	D90S8
					KAF	67	D90S8
7.3	485	123.54	12500	1.70	K	67	D80K6
8.3	425	108.03	12700	1.95	KF	67	D80K6
8.8	405	102.62	12800	2.0	KA	67	D80K6
10	355	90.04	13000	2.3	KAF	67	D80K6
9.5	370	144.79	12900	2.2			
11	315	123.54	13000	2.6	K	67	D71D4
13	275	108.03	13000	3.0	KF	67	D71D4
15	230	90.04	13000	3.6	KA	67	D71D4
18	196	76.37	13000	4.2	KAF	67	D71D4

Output speed n_2 [r/min]	Output torque Ta [N·m]	Ratio i	Permitted overhung load FR2 [N]	Service factor fB	Model		
0.37kW							
7.3	485	123.85	8490	1.25			
8.3	425	108.29	8770	1.40	K	57	D80K6
8.8	405	102.88	8870	1.50	KF	57	D80K6
10	355	90.26	9070	1.70	KA	57	D80K6
12	300	76.56	9280	2.0	KAF	57	D80K6
13	270	69.12	9390	2.2			
9.5	370	145.14	9000	1.60			
11	315	123.85	9220	1.90	K	57	D71D4
13	275	108.29	9370	2.2	KF	57	D71D4
13	265	102.88	9420	2.3	KA	57	D71D4
15	230	90.26	9530	2.6	KAF	57	D71D4
18	196	76.56	9650	3.1			
20	177	69.12	9700	3.4			
8.6	410	104.37	5490	1.00	K	47	D80K6
9.9	355	90.86	6480	1.10	KF	47	D80K6
11	335	85.12	6730	1.20	KA	47	D80K6
12	295	75.20	7100	1.35	KAF	47	D80K6
10	340	131.87	6690	1.20	K	47	D71D4
11	310	121.48	6960	1.30	KF	47	D71D4
13	265	104.37	7330	1.50	KA	47	D71D4
					KAF	47	D71D4
15	235	90.86	7580	1.70	K	47	D71D4
16	220	85.12	7670	1.85	KF	47	D71D4
18	193	75.20	7810	2.1	KA	47	D71D4
20	179	69.84	7880	2.2	KAF	47	D71D4
22	162	63.30	7960	2.5			
14	250	97.81	2520	0.80			
16	215	83.69	5470	0.95			
19	186	72.54	5690	1.10			
20	174	67.80	5630	1.15			
24	150	58.60	5510	1.35			
28	128	49.79	5350	1.55			
31	114	44.46	5230	1.75			
36	97	37.97	5060	2.1			
39	91	35.57	4990	2.2			
46	77	29.96	4800	2.6	K	37	D71D4
48	74	28.83	4750	2.7	KF	37	D71D4
55	64	24.99	4590	3.1	KA	37	D71D4
59	60	23.36	4510	3.3	KAF	37	D71D4
68	52	20.19	4350	3.6			
80	44	17.15	4160	4.1			
90	39	15.31	4040	4.5			
105	34	13.08	3860	4.9			
114	31	12.14	3780	5.1			
132	27	10.49	3630	5.9			
155	23	8.91	3460	7.0			
173	20	7.96	3350	7.6			
203	17	6.80	3190	8.6			
217	16	6.37	3130	8.9			
257	14	5.36	2970	10			
0.55kW							
0.08	55900	16978	179800	0.90			
0.10	46500	14272	190000	1.10	K	187R97	D80K4
0.10	42500	13116	190000	1.20			
0.12	37400	11647	190000	1.35			
0.19	23900	7343	190000	2.1			
0.12	38400	11573	150000	0.85			
0.13	33800	10264	150000	0.95			
0.16	28100	8628	150000	1.15	K	167R97	D80K4
0.21	21400	6562	150000	1.50			
0.25	17200	5355	150000	1.85			
0.33	13200	4079	150000	2.4			

Output speed n_2 [r/min]	Output torque Ta [N·m]	Ratio i	Permitted overhung load FR2 [N]	Service factor fB	Model		
0.75kW							
11	645	123.85	7130	0.95			
13	560	108.29	7940	1.05			
13	535	102.88	8160	1.10			
15	470	90.26	8570	1.30	K	57	D80N4
18	395	76.56	8890	1.50	KF	57	D80N4
20	360	69.12	9060	1.65	KA	57	D80N4
23	315	60.81	9230	1.90	KAF	57	D80N4
24	300	57.42	9290	2.0			
28	255	48.89	9450	2.4			
31	230	44.43	9530	2.6			
18	390	75.20	6060	1.00	K	47	D80N4
20	365	69.84	6410	1.10	KF	47	D80N4
22	330	63.30	6790	1.20	KA	47	D80N4
					KAF	47	D80N4
24	295	56.83	7110	1.35			
28	255	48.95	7430	1.55	K	47	D80N4
30	240	46.03	7540	1.65	KF	47	D80N4
35	205	39.61	7740	1.95	KA	47	D80N4
39	184	35.39	7760	2.2	KAF	47	D80N4
44	162	31.30	7550	2.5			
31	230	44.46	4170	0.85			
36	197	37.97	4150	1.00			
39	185	35.57	4140	1.10			
46	156	29.96	4080	1.30			
48	150	28.83	4060	1.35			
55	130	24.99	3990	1.55			
59	121	23.36	3950	1.60	K	37	D80N4
68	105	20.19	3860	1.75	KF	37	D80N4
80	89	17.15	3750	2.0	KA	37	D80N4
90	80	15.31	3670	2.2	KAF	37	D80N4
105	68	13.08	3550	2.4			
114	63	12.14	3500	2.5			
132	54	10.49	3380	2.9			
155	46	8.91	3250	3.5			
173	41	7.96	3160	3.8			
203	35	6.80	3030	4.2			
217	33	6.37	2980	4.4			
257	28	5.36	2840	5.0			
1.1kW							
0.15	60700	9363	171000	0.80			
0.17	52400	8126	185900	0.95			
0.19	48300	7343	190000	1.05			
0.21	44300	6747	190000	1.15	K	187R97	D90S4
0.23	39200	5991	190000	1.30			
0.26	34900	5358	190000	1.45			
0.29	31200	4817	190000	1.60			
0.32	28300	4370	190000	1.75			
0.26	35000	5355	150000	0.90			
0.29	31200	4788	150000	1.05			
0.34	26800	4079	150000	1.20	K	167R97	D90S4
0.41	22200	3376	150000	1.45			
0.51	18000	2755	150000	1.80			
0.64	14600	2182	150000	2.2			
0.82	11300	1704	150000	2.8	K	167R97	D90S4
0.99	9330	1408	150000	3.4			
1.1	8560	1296	150000	3.7			

Output speed n_2 [r/min]	Output torque Ta [N·m]	Ratio i	Permitted overhung load FR2 [N]	Service factor fB	Model		
1.1kW							
0.40	22900	3516	109300	0.80	K	157R97	D90S4
0.46	20100	3051	111100	0.90	KF	157R97	D90S4
0.54	16900	2610	112700	1.05	KA	157R97	D90S4
0.60	15100	2322	113500	1.20	KAF	157R97	D90S4
0.84	11000	1659	115000	1.65			
1.0	8970	1365	115600	2.0	K	157R97	D90S4
1.1	8030	1229	115800	2.2	KF	157R97	D90S4
1.3	7150	1093	116000	2.5	KA	157R97	D90S4
1.5	6160	942	116100	2.9	KAF	157R97	D90S4
1.6	5550	854	116200	3.2			
0.73	13100	1926	79100	1.00			
0.80	11900	1757	79800	1.10			
0.91	10400	1541	80500	1.25			
1.0	9100	1342	81100	1.45	K	127R77	D90S4
1.2	7960	1177	81500	1.65	KF	127R77	D90S4
1.4	6950	1025	81800	1.85	KA	127R77	D90S4
1.6	6080	899	82000	2.1	KAF	127R77	D90S4
1.8	5270	790	82200	2.5			
2.0	4740	704	82400	2.7			
2.3	4090	610	82500	3.2			
2.5	3690	549	82500	3.5			
2.9	3180	477	82600	4.1			
1.2	7920	1166	65000	1.00			
1.4	6920	1030	65000	1.15			
1.5	6050	904	65000	1.30			
1.8	5380	793	65000	1.50	K	107R77	D90S4
2.0	4700	696	65000	1.70	KF	107R77	D90S4
2.3	4120	615	65000	1.95	KA	107R77	D90S4
2.7	3500	522	65000	2.3	KAF	107R77	D90S4
3.0	3080	461	65000	2.6			
3.4	2720	408	65000	2.9			
3.8	2450	364	65000	3.3			
4.4	2140	318	65000	3.7			
1.9	5030	743	39900	0.85			
2.2	4420	652	40000	0.95	K	97R57	D90S4
2.4	3910	573	40000	1.10	KF	97R57	D90S4
2.8	3400	504	40000	1.25	KA	97R57	D90S4
3.2	2940	437	40000	1.45	KAF	97R57	D90S4
3.7	2590	382	40000	1.65			
4.1	2300	342	40000	1.85			
3.0	3220	474	26600	0.85			
3.3	2890	426	27000	0.95			
3.8	2520	373	27500	1.05	K	87R57	D90S4
4.2	2230	330	27800	1.20	KF	87R57	D90S4
4.8	1980	294	28100	1.35	KA	87R57	D90S4
5.6	1700	250	28300	1.60	KAF	87R57	D90S4
5.9	1600	236	28400	1.70			
7.0	1360	201	28600	2.0			
3.9	2720	176.05	40000	1.60	K	97	D100L8
4.4	2370	153.21	40000	1.80	KF	97	D100L8
4.8	2170	140.28	40000	2.0	KA	97	D100L8
5.5	1910	123.93	40000	2.2	KAF	97	D100L8
5.2	2010	176.05	40000	2.1	K	97	D90L6
6.0	1750	153.21	40000	2.5	KF	97	D90L6
6.6	1600	140.28	40000	2.7	KA	97	D90L6
7.4	1420	123.93	40000	3.0	KAF	97	D90L6
7.9	1320	176.05	40000	3.3	K	97	D90S4
9.1	1150	153.21	40000	3.7	KF	97	D90S4
10	1050	140.28	40000	4.1	KA	97	D90S4
					KAF	97	D90S4
5.3	1990	174.19	28100	1.35	K	87	D90L6
5.6	1880	164.34	28200	1.45	KF	87	D90L6
6.2	1680	147.32	28300	1.60	KA	87	D90L6
7.2	1450	126.91	28500	1.85	KAF	87	D90L6

Output speed n_2 [r/min]	Output torque Ta [N·m]	Ratio i	Permitted overhung load FR2 [N]	Service factor fB	Model		
1.1kW							
8.0	1310	174.19	28600	2.1	K	87	D90S4
8.5	1230	164.34	28700	2.2	KF	87	D90S4
9.5	1110	147.32	28700	2.4	KA	87	D90S4
11	950	126.91	28800	2.8	KAF	87	D90S4
12	870	115.82	28800	3.1			
6.8	1540	135.28	15400	1.00	K	77	D90L6
7.2	1470	128.52	15900	1.05	KF	77	D90L6
8.1	1300	113.56	17000	1.20	KA	77	D90L6
9.5	1110	97.05	17900	1.40	KAF	77	D90L6
10	1020	135.28	18300	1.55	K	77	D90S4
11	960	128.52	18400	1.60	KF	77	D90S4
12	850	113.56	18800	1.80	KA	77	D90S4
					KAF	77	D90S4
14	730	97.05	19200	2.1	K	77	D90S4
16	670	88.97	19300	2.3	KF	77	D90S4
18	585	78.07	19500	2.7	KA	77	D90S4
19	555	73.99	19600	2.8	KAF	77	D90S4
13	810	108.03	10400	1.00			
14	770	102.62	10700	1.05	K	67	D90S4
16	675	90.04	11400	1.20	KF	67	D90S4
18	575	76.37	12000	1.45	KA	67	D90S4
20	515	68.95	12300	1.60	KAF	67	D90S4
23	455	60.66	12600	1.80			
24	430	57.28	12700	1.90	K	67	D90S4
29	365	48.77	12900	2.2	KF	67	D90S4
32	335	44.32	13000	2.5	KA	67	D90S4
36	290	38.39	13000	2.8	KAF	67	D90S4
16	675	90.26	2410	0.90			
18	575	76.56	7840	1.05			
20	520	69.12	8280	1.15			
23	455	60.81	8630	1.30	K	57	D90S4
24	430	57.42	8750	1.40	KF	57	D90S4
29	365	48.89	9020	1.65	KA	57	D90S4
32	335	44.43	9160	1.80	KAF	57	D90S4
36	290	38.49	9330	2.1			
39	270	35.70	9400	2.2			
46	225	30.28	9540	2.6			
51	205	27.34	9510	2.9			
58	181	24.05	9220	3.3			
62	170	22.71	9090	3.5			
72	145	19.34	8720	4.0			
80	132	17.57	8510	4.2	K	57	D90S4
92	114	15.22	8180	4.7	KF	57	D90S4
106	99	13.25	7880	5.1	KA	57	D90S4
117	90	11.92	7570	4.6	KAF	57	D90S4
124	85	11.26	7450	4.9			
146	72	9.59	7120	5.6			
161	65	8.71	6930	6.0			
186	57	7.55	6650	6.4			
213	49	6.57	6380	7.0			
25	425	56.83	3310	0.95	K	47	D90S4
29	365	48.95	6360	1.10	KF	47	D90S4
30	345	46.03	6610	1.15	KA	47	D90S4
					KAF	47	D90S4
35	295	39.61	7090	1.35			
40	265	35.39	7090	1.50	K	47	D90S4
45	235	31.30	6960	1.70	KF	47	D90S4*
48	220	29.32	6890	1.80	KA	47	D90S4*
54	194	25.91	6730	2.1	KAF	47	D90S4*
64	164	21.81	6510	2.4			
72	147	19.58	6360	2.7			

Output speed n_2 [r/min]	Output torque Ta [N·m]	Ratio i	Permitted overhung load FR2 [N]	Service factor fB	Model		
1.1kW							
47	225	29.96	3420	0.90			
56	188	24.99	3440	1.05			
60	175	23.36	3440	1.10			
69	152	20.19	3420	1.20			
82	129	17.15	3370	1.40			
91	115	15.31	3330	1.50	K	37	D90S4
107	98	13.08	3260	1.70	KF	37	D90S4
115	91	12.14	3220	1.75	KA	37	D90S4
133	79	10.49	3140	2.0	KAF	37	D90S4
157	67	8.91	3040	2.4			
176	60	7.96	2970	2.6			
206	51	6.80	2870	2.9			
220	48	6.37	2830	3.0			
261	40	5.36	2720	3.5			
1.5kW							
0.21	60700	6747	171100	0.80			
0.24	53700	5991	183600	0.95			
0.26	47900	5358	190000	1.05	K	187R97	D90L4
0.29	42900	4817	190000	1.15			
0.32	38900	4370	190000	1.30			
0.39	33000	3609	190000	1.50			
0.46	27800	3062	190000	1.80	K	187R97	D90L4
0.56	22800	2519	190000	2.2			
0.62	20400	2268	190000	2.5			
0.35	36700	4079	150000	0.85			
0.42	30400	3376	150000	1.05	K	167R97	D90L4
0.51	24700	2755	150000	1.30			
0.65	19900	2182	150000	1.60			
0.83	15500	1704	150000	2.1			
1.0	12800	1408	150000	2.5	K	167R97	D90L4
1.1	11800	1296	150000	2.7			
0.61	20700	2322	110700	1.85	K	157R97	D90L4
					KF	157R97	D90L4
					KA	157R97	D90L4
					KAF	157R97	D90L4
0.85	15100	1659	113500	1.20			
1.0	12300	1365	114600	1.45			
1.1	11100	1229	115000	1.65	K	157R97	D90L4
1.3	9840	1093	115300	1.85	KF	157R97	D90L4
1.5	8480	942	115700	2.1	KA	157R97	D90L4
1.6	7650	854	115900	2.3	KAF	157R97	D90L4
2.5	5050	567	116300	3.6			
2.8	4490	504	116400	4.0			
2.6	4820	536	82300	2.7	K	127R87	D90L4
3.4	3770	418	82500	3.5	KF	127R87	D90L4
3.8	3330	367	82600	3.9	KA	127R87	D90L4
					KAF	127R87	D90L4
0.80	16200	1757	73400	0.80			
0.91	14200	1541	77500	0.90			
1.0	12400	1342	79500	1.05			
1.2	10900	1177	80300	1.20			
1.4	9470	1025	80900	1.35	K	127R77	D90L4
1.6	8300	899	81400	1.55	KF	127R77	D90L4
1.8	7210	790	81700	1.80	KA	127R77	D90L4
2.0	6480	704	81900	2.0	KAF	127R77	D90L4
2.3	5590	610	82200	2.3			
2.6	5040	549	82300	2.6			
3.0	4360	477	82400	3.0			
3.4	3840	418	82500	3.4			

Output speed n_2 [r/min]	Output torque Ta [N·m]	Ratio i	Permitted overhung load FR2 [N]	Service factor fB		Model
1.5kW						
1.4	9460	1030	65000	0.85		
1.6	8280	904	65000	0.95		
1.8	7330	739	65000	1.10		
2.0	6420	696	65000	1.25	K	107R77 D90L4
2.3	5640	615	65000	1.40	KF	107R77 D90L4
2.7	4780	522	65000	1.65	KA	107R77 D90L4
3.1	4210	461	65000	1.90	KAF	107R77 D90L4
3.5	3720	408	65000	2.2		
3.9	3350	364	65000	2.4		
4.4	2920	318	65000	2.7		
2.5	5320	573	39500	0.80		
2.8	4650	504	40000	0.95		
3.2	4020	437	40000	1.05	K	97 R57 D90L4
3.7	3540	382	40000	1.20	KF	97 R57 D90L4
4.1	3140	342	40000	1.35	KA	97 R57 D90L4
4.6	2820	305	40000	1.50	KAF	97 R57 D90L4
5.5	2380	258	40000	1.80		
6.1	2140	232	40000	2.0		
7.1	1840	199	40000	2.3		
4.3	3040	330	26800	0.90		
4.8	2700	294	27300	1.00	K	87 R57 D90L4
5.6	2310	250	27700	1.15	KF	87 R57 D90L4
6.0	2180	236	27900	1.25	KA	87 R57 D90L4
7.0	1860	201	28200	1.45	KAF	87 R57 D90L4
7.7	1690	183	28300	1.60		
4.9	2940	143.47	65000	2.7	K	107 D112M8
5.8	2490	121.46	65000	3.2	KF	107 D112M8
6.2	2300	112.41	65000	3.5	KA	107 D112M8
					KAF	107 D112M8
4.6	3140	153.21	40000	1.35	K	97 D112M8
5.0	2870	140.28	40000	1.50	KF	97 D112M8
5.7	2540	123.93	40000	1.70	KA	97 D112M8
					KAF	97 D112M8
5.2	2740	176.05	40000	1.55	K	97 D100M6
6.0	2390	153.21	40000	1.80	KF	97 D100M6
6.6	2180	140.28	40000	1.95	KA	97 D100M6
7.4	1930	123.93	40000	2.2	KAF	97 D100M6
8.0	1790	176.05	40000	2.4	K	97 D90L4
9.2	1560	153.21	40000	2.8	KF	97 D90L4
10	1430	140.28	40000	3.0	KA	97 D90L4
11	1260	123.93	40000	3.4	KAF	97 D90L4
6.2	2290	147.32	27800	1.20	K	87 D100M6
7.2	1980	126.91	28100	1.35	KF	87 D100M6
7.9	1800	115.82	28200	1.50	KA	87 D100M6
9.0	1600	102.71	28400	1.70	KAF	87 D100M6
8.1	1770	174.19	28300	1.55		
8.6	1670	164.34	28300	1.60	K	87 D90L4
9.6	1500	147.32	28500	1.80	KF	87 D90L4
11	1290	126.91	28600	2.1	KA	87 D90L4
12	1180	115.82	28700	2.3	KAF	87 D90L4
14	1040	102.71	28800	2.6		
16	880	86.34	28800	3.1		
8.1	1770	113.56	13600	0.90	K	77 D100M6
9.5	1510	97.05	15700	1.05	KF	77 D100M6
10	1390	88.97	16400	1.10	KA	77 D100M6
12	1220	78.07	17400	1.30	KAF	77 D100M6
10	1370	135.28	16500	1.15	K	77 D90L4
11	1310	128.52	16900	1.20	KF	77 D90L4
12	1150	113.56	17700	1.35	KA	77 D90L4
15	990	97.05	18400	1.55	KAF	77 D90L4
16	900	88.97	18700	1.70		

Output speed n_2 [r/min]	Output torque Ta [N·m]	Ratio i	Permitted overhung load FR2 [N]	Service factor fB		Model
1.5kW						
18	795	78.07	19000	1.95		
19	750	73.99	19100	2.1		
22	660	64.75	19400	2.4	K	77 D90L4
24	595	58.34	19500	2.6	KF	77 D90L4
28	520	51.18	19700	3.0	KA	77 D90L4
31	460	45.16	19800	3.4	KAF	77 D90L4
35	405	40.04	19800	3.8		
16	910	90.04	9370	0.90		
18	775	76.37	10700	1.05	K	67 D90L4
20	700	68.95	11300	1.15	KF	67 D90L4
23	615	60.66	11800	1.35	KA	67 D90L4
25	580	57.28	12000	1.40	KAF	67 D90L4
29	495	48.77	12400	1.65		
32	450	44.32	12600	1.80		
37	390	38.39	12800	2.0	K	67 D90L4
40	360	35.62	12900	2.3	KF	67 D90L4
47	305	30.22	13000	2.7	KA	67 D90L4
52	275	27.28	13000	3.0	KAF	67 D90L4
59	245	24.00	13000	3.3		
23	620	60.81	7480	0.95	K	57 D90L4
25	685	57.42	7770	1.05	KF	57 D90L4
29	495	48.89	8430	1.20	KA	57 D90L4
32	450	44.43	8650	1.35	KAF	57 D90L4
37	390	38.49	8920	1.55		
39	365	35.70	9040	1.65		
47	310	30.28	9190	1.95	K	57 D90L4
52	280	27.34	9010	2.2	KF	57 D90L4
59	245	24.05	8780	2.5	KA	57 D90L4
62	230	22.71	8670	2.6	KAF	57 D90L4
73	196	19.34	8360	2.9		
36	400	39.61	5890	1.00	K	47 D90L4
40	360	35.39	6360	1.10	KF	47 D90L4
45	320	31.30	6310	1.25	KA	47 D90L4
					KAF	47 D90L4
48	300	29.32	6270	1.35		
54	265	25.91	6190	1.50		
65	220	21.81	6050	1.80	K	47 D90L4
72	199	19.58	5950	2.0	KF	47 D90L4
84	171	16.86	5800	2.2	KA	47 D90L4
89	161	15.86	5730	2.4	KAF	47 D90L4
103	139	13.65	5560	2.6		
116	124	12.19	5430	2.8		
120	120	11.17	5340	2.3		
60	235	23.36	2860	0.80		
70	205	20.19	2920	0.90		
82	174	17.15	2940	1.05		
92	156	15.31	2950	1.10	K	37 D90L4
108	133	13.08	2930	1.25	KF	37 D90L4
116	123	12.14	2920	1.30	KA	37 D90L4
134	107	10.49	2880	1.50	KAF	37 D90L4
158	91	8.91	2820	1.75		
177	81	7.96	2770	1.90		
207	69	6.80	2700	2.2		
221	65	6.37	2670	2.2		
263	55	5.36	2580	2.6		
2.2kW						
0.32	57900	4370	176200	0.85	K	187R97 D100M4
0.50	37000	2818	190000	1.35		
0.39	48800	3609	190000	1.00		
0.46	41300	3062	190000	1.20		
0.56	33800	2519	190000	1.50	K	187R97 D100M4
0.62	30400	2268	190000	1.65		
0.69	27400	2054	190000	1.80		
0.77	24200	1821	190000	2.1		
0.88	21400	1605	190000	2.3		
0.51	36600	2755	150000	0.85	K	167R97 D100M4
0.62	29800	2263	150000	1.05		

Output speed n_2 [r/min]	Output torque Ta [N·m]	Ratio i	Permitted overhung load FR2 [N]	Service factor fB		Model
2.2kW						
0.65	29500	2182	150000	1.10		
0.83	22900	1704	150000	1.40		
1.0	19000	1408	150000	1.70	K	167R97 D100M4
1.1	17400	1296	150000	1.85		
1.3	14700	1101	150000	2.2		
1.5	12600	944	150000	2.5		
0.85	22400	1659	109700	0.80		
1.0	18300	1365	112000	1.00	K	157R97 D100M4
1.1	16500	1229	112900	1.10	KF	157R97 D100M4
1.3	14600	1093	113700	1.25	KA	157R97 D100M4
1.5	12600	942	114500	1.45	KAF	157R97 D100M4
1.6	11400	854	114900	1.60		
1.9	9990	756	115300	1.80		
2.6	7180	536	81700	1.80	K	127R87 D100M4
3.0	6310	473	82000	2.1	KF	127R87 D100M4
3.4	5600	418	82200	2.3	KA	127R87 D100M4
3.8	4950	367	82300	2.6	KAF	127R87 D100M4
4.3	4440	330	82400	2.9		
1.4	14000	1025	78000	0.95		
1.6	12200	899	79600	1.05		
1.8	10700	790	80400	1.20	K	127R77 D100M4
2.0	9580	704	80900	1.35	KF	127R77 D100M4
2.3	8280	610	81400	1.55	KA	127R77 D100M4
2.6	7460	549	81600	1.75	KAF	127R77 D100M4
3.0	6460	477	81900	2.0		
3.4	5680	418	82100	2.3		
2.3	8340	615	65000	0.95		
2.7	7070	522	65000	1.15		
3.1	6230	461	65000	1.30	K	107R77 D100M4
3.5	5520	408	65000	1.45	KF	107R77 D100M4
3.9	4940	364	65000	1.60	KA	107R77 D100M4
4.4	4320	318	65000	1.85	KAF	107R77 D100M4
4.9	3890	286	65000	2.1		
5.6	3410	251	65000	2.3		
3.7	5210	382	39700	0.80		
4.1	4640	342	40000	0.95	K	97 R57 D100M4
4.6	4170	305	40000	1.05	KF	97 R57 D100M4
5.5	3510	258	40000	1.20	KA	97 R57 D100M4
6.1	3160	232	40000	1.35	KAF	97 R57 D100M4
7.1	2710	199	40000	1.60		
4.9	4310	143.47	65000	1.85	K	107 D132S8
5.8	3650	121.46	65000	2.2	KF	107 D132S8
6.2	3370	112.41	65000	2.4	KA	107 D132S8
6.9	3020	100.75	65000	2.7	KAF	107 D132S8
6.1	3420	153.21	40000	1.25	K	97 D112M6
6.7	3140	140.28	40000	1.35	KF	97 D112M6
7.6	2770	123.93	40000	1.55	KA	97 D112M6
8.9	2350	105.13	40000	1.85	KAF	97 D112M6
8.0	2620	176.05	40000	1.65	K	97 D100M4
9.2	2280	153.21	40000	1.90	KF	97 D100M4
10	2090	140.28	40000	2.1	KA	97 D100M4
11	1850	123.93	40000	2.3	KAF	97 D100M4
					K	97 D100M4
13	1570	105.13	40000	2.8	KF	97 D100M4
15	1440	96.80	40000	3.0	KA	97 D100M4
					KAF	97 D100M4
9.6	2200	147.32	27900	1.25	K	87 D100M4
11	1890	126.91	28200	1.45	KF	87 D100M4
12	1730	115.82	28300	1.55	KA	87 D100M4
					KAF	87 D100M4
14	1530	102.71	28500	1.75	K	87 D100M4
16	1290	86.34	28600	2.1	KF	87 D100M4
18	1180	79.34	28700	2.3	KA	87 D100M4
20	1050	70.46	28800	2.6	KAF	87 D100M4
22	940	63.00	28800	2.9		

Output speed n_2 [r/min]	Output torque Ta [N·m]	Ratio i	Permitted overhung load FR2 [N]	Service factor fB		Model
2.2kW						
12	1690	113.56	14300	0.90		
15	1450	97.05	16100	1.05	K	77 D100M4
16	1330	88.97	16800	1.15	KF	77 D100M4
18	1160	78.07	17600	1.35	KA	77 D100M4
19	1100	73.99	17900	1.40	KAF	77 D100M4
22	960	64.75	18400	1.60		
24	870	58.34	18800	1.80		
28	765	51.18	19100	2.0		
31	675	45.16	19300	2.3	K	77 D100M4
35	595	40.04	19500	2.6	KF	77 D100M4
40	525	35.20	19700	3.0	KA	77 D100M4
46	460	30.89	19800	3.4	KAF	77 D100M4
48	435	29.27	19800	3.6		
55	380	25.62	19900	4.1		
23	900	60.66	9490	0.90		
25	850	57.28	10000	0.95	K	67 D100M4
29	725	48.77	11100	1.15	KF	67 D100M4
32	660	44.32	11500	1.25	KA	67 D100M4
37	570	38.39	12100	1.40	KAF	67 D100M4
40	530	35.62	12300	1.55		
47	450	30.22	12600	1.80		
52	405	27.28	12800	2.0		
59	360	24.00	13000	2.2		
62	340	22.66	13000	2.3		
73	285	19.30	13000	2.6		
80	260	17.54	13000	2.8	K	67 D100M4
93	225	15.19	13000	3.1	KF	67 D100M4
107	197	13.22	13000	3.4	KA	67 D100M4
113	186	12.48	13000	2.8	KAF	67 D100M4
133	158	10.63	13000	3.2		
146	144	9.66	13000	3.3		
169	125	8.37	13000	3.5		
194	109	7.28	12700	3.9		
32	660	44.43	5100	0.90	K	57 D100M4
37	575	38.49	7850	1.05	KF	57 D100M4
39	530	35.70	8080	1.15	KA	57 D100M4
47	450	30.28	8250	1.35	KAF	57 D100M4
52	405	27.34	8160	1.45		
59	360	24.05	8030	1.65		
62	340	22.71	7970	1.75	K	57 D100M4
73	290	19.34	7760	2.0	KF	57 D100M4
80	260	17.57	7630	2.1	KA	57 D100M4
93	225	15.22	7430	2.4	KAF	57 D100M4
106	197	13.25	7220	2.6		
118	178	11.92	6890	2.3		
125	168	11.26	6810	2.5		
54	385	25.91	5260	1.05	K	47 D100M4
65	325	21.81	5260	1.25	KF	47 D100M4
72	290	19.58	5240	1.35	KA	47 D100M4
					KAF	47 D100M4
84	250	16.86	5190	1.50		
89	235	15.86	5160	1.60	K	47 D100M4
103	205	13.56	5070	1.75	KF	47 D100M4
116	182	12.19	4990	1.95	KA	47 D100M4
120	175	11.77	4890	1.60	KAF	47 D100M4
133	157	10.56	4 810	1.80		
155	136	9.10	4690	2.1		
108	195	13.08	2370	0.85		
134	156	10.49	2430	1.00	K	37 D100M4
158	133	8.91	2440	1.20	KF	37 D100M4
177	119	7.96	2430	1.30	KA	37 D100M4
207	101	6.80	2410	1.50	KAF	37 D100M4
221	95	6.37	2400	1.55		
263	80	5.36	2350	1.75		
3.0kW						
0.50	51300	2818	187700	0.95	K	187 D100M4

Output speed n_2 [r/min]	Output torque Ta [N·m]	Ratio i	Permitted overhung load FR2 [N]	Service factor fB			Model
4.0kW							
59	645	24.05	6120	0.95			
63	610	22.71	6160	1.00			
73	520	19.34	6220	1.10			
81	475	17.57	6230	1.15			
93	410	15.22	6210	1.30	K	57	D112M4
107	355	13.25	6150	1.45	KF	57	D112M4
119	320	11.92	5810	1.30	KA	57	D112M4
126	305	11.26	5790	1.35	KAF	57	D112M4
148	260	9.59	5700	1.55			
163	235	8.71	5640	1.65			
188	205	7.55	5530	1.80			
216	177	6.57	5400	1.95			
5.5kW							
0.79	61100	1821	170200	0.80			
0.89	53900	1605	183200	0.95			
1.0	46700	1395	190000	1.05			
1.2	40100	1196	190000	1.25	K	187 R97	D132S4
1.4	35100	1046	190000	1.45			
1.5	31700	945	190000	1.60			
1.9	24800	738	190000	2.0			
2.3	20800	621	190000	2.4			
1.3	36900	1101	150000	0.85			
1.5	31700	944	150000	1.00			
1.7	28200	843	150000	1.15			
1.9	25400	757	150000	1.25	K	167 R97	D132S4
2.3	21200	632	150000	1.50			
2.5	18700	561	150000	1.70			
3.0	16100	481	150000	2.0			
3.4	14100	423	150000	2.3			
2.2	22100	661	109900	0.80			
2.5	19000	567	111700	0.95	K	157 R97	D132S4
2.8	16900	504	112700	1.05	KF	157 R97	D132S4
3.3	14500	434	113800	1.25	KA	157 R97	D132S4
3.8	12700	379	114500	1.40	KAF	157 R97	D132S4
4.3	11100	333	115000	1.60			
3.4	14100	418	77800	0.90			
3.9	12400	367	79500	1.05			
4.3	11100	330	80200	1.15	K	127 R87	D132S4
5.0	9620	287	80800	1.35	KF	127 R87	D132S4
5.6	8510	253	81300	1.55	KA	127 R87	D132S4
6.7	7150	213	81700	1.80	KAF	127 R87	D132S4
7.1	6740	200	81900	1.80			
8.6	5580	166	82200	2.2			
9.8	4920	147	82300	2.4			
6.4	7490	222	65000	1.05	K	107 R77	D132S4
7.3	6640	196	65000	1.20	KF	107 R77	D132S4
8.2	5870	174	65000	1.25	KA	107 R77	D132S4
9.3	5200	154	65000	1.40	KAF	107 R77	D132S4
10	4720	140	65000	1.55			
4.7	11100	150.41	115000	1.60	K	157	D160M8
5.8	9050	122.39	115500	2.0	KF	157	D160M8
7.1	7410	100.22	115900	2.4	KA	157	D160M8
7.8	6780	91.65	116000	2.7	KAF	157	D160M8
5.2	10100	136.14	80700	1.30	K	127	D160M8
5.8	9060	122.48	81100	1.45	KF	127	D160M8
6.4	8150	110.18	81400	1.60	KA	127	D160M8
7.9	6650	89.89	81900	1.95	KAF	127	D160M8
7.1	7450	136.14	81600	1.75	K	127	D132ML6
7.8	6700	122.48	81900	1.95	KF	127	D132ML6
8.7	6030	110.18	82100	2.2	KA	127	D132ML6
11	4920	89.89	82300	2.6	KAF	127	D132ML6
8.5	6150	112.41	65000	1.30	K	107	D132ML6
9.5	5510	100.75	65000	1.45	KF	107	D132ML6
11	4980	90.96	65000	1.60	KA	107	D132ML6
12	4520	82.61	65000	1.75	KAF	107	D132ML6

Output speed n_2 [r/min]	Output torque Ta [N·m]	Ratio i	Permitted overhung load FR2 [N]	Service factor fB			Model
5.5kW							
10	5270	143.47	65000	1.50			
12	4460	121.46	65000	1.80	K	107	D132S4
13	4130	112.41	65000	1.95	KF	107	D132S4
14	3700	100.75	65000	2.2	KA	107	D132S4
16	3340	90.96	65000	2.4	KAF	107	D132S4
17	3030	82.61	65000	2.6			
12	4550	123.93	40000	0.95	K	97	D132S4
14	3860	105.13	40000	1.10	KF	97	D132S4
15	3560	96.80	40000	1.20	KA	97	D132S4
17	3180	86.52	40000	1.35	KAF	97	D132S4
18	2860	77.89	40000	1.50	K	97	D132S4
20	2590	70.54	40000	1.65	KF	97	D132S4
23	2300	62.55	40000	1.85	KA	97	D132S4
25	2080	56.55	39700	2.1	KAF	97	D132S4
30	1760	47.93	38600	2.4			
17	3170	86.34	26600	0.85	K	87	D132S4
18	2910	79.34	27000	0.95	KF	87	D132S4
20	2590	70.46	27400	1.05	KA	87	D132S4
23	2310	63.00	27500	1.15	KAF	87	D132S4
25	2080	56.64	27300	1.30			
29	1810	49.16	26900	1.50	K	87	D132S4
32	1620	44.02	26500	1.60	KF	87	D132S4
39	1340	36.52	25800	1.85	KA	87	D132S4
46	1150	31.39	25200	2.3	KAF	87	D132S4
51	1020	27.88	24700	2.5			
32	1660	45.16	14600	0.95	K	77	D132S4
36	1470	40.04	15900	1.05	KF	77	D132S4
46	1130	30.89	17800	1.35	KA	77	D132S4
49	1070	29.27	18000	1.45	KAF	77	D132S4
56	940	25.62	18500	1.65			
62	850	23.08	18800	1.85			
71	745	20.25	19100	2.0	K	77	D132S4
80	655	17.87	19400	2.2	KF	77	D132S4
90	580	15.84	19200	2.4	KA	77	D132S4
106	495	13.52	18600	2.7	KAF	77	D132S4
116	455	12.36	17900	2.2			
132	400	10.84	17400	2.5			
60	880	24.00	9720	0.90			
63	830	22.66	10200	0.95	K	67	D132S4
74	710	19.30	11200	1.05	KF	67	D132S4
82	645	17.54	11600	1.15	KA	67	D132S4
94	560	15.19	12100	1.25	KAF	67	D132S4
108	485	13.22	12500	1.40			
115	460	12.48	12600	1.15	K	67	D132S4
135	390	10.63	12400	1.30	KF	67	D132S4
148	355	9.66	12200	1.35	KA	67	D132S4
171	305	8.37	11900	1.45	KAF	67	D132S4
196	265	7.28	11600	1.55			
81	645	17.57	5080	0.85			
94	560	15.22	5210	0.95			
108	485	13.25	5280	1.05	K	57	D132S4
120	440	11.92	4920	0.95	KF	57	D132S4
127	415	11.26	4950	1.00	KA	57	D132S4
149	350	9.59	4990	1.15	KAF	57	D132S4
164	320	8.71	4990	1.20			
190	275	7.55	4960	1.30			
218	240	6.57	4910	1.45			
7.5kW							
1.7	38200	835	190000	1.30			
2.0	33300	729	190000	1.50	K	187R107	D132M4
2.3	28400	622	190000	1.75			

Output speed n_2 [r/min]	Output torque Ta [N·m]	Ratio i	Permitted overhung load FR2 [N]	Service factor fB			Model
7.5kW							
1.2	55000	1196	181400	0.90			
1.4	48000	1046	190000	1.05			
1.5	43400	945	190000	1.15	K	187 R97	D132M4
1.9	33900	738	190000	1.45			
2.3	28500	621	190000	1.75			
2.7	24100	527	190000	2.1			
1.7	38700	843	150000	0.85			
1.9	34700	757	150000	0.90			
2.3	29000	632	150000	1.10			
2.5	25700	561	150000	1.25	K	167 R97	D132M4
3.0	22100	481	150000	1.45			
3.4	19400	423	150000	1.65			
3.9	16900	369	150000	1.90			
3.3	19900	434	111200	0.90	K	157 R97	D132M4
3.8	17400	379	112500	1.05	KF	157 R97	D132M4
4.3	15300	333	113500	1.20	KA	157 R97	D132M4
4.9	13300	291	114200	1.35	KAF	157 R97	D132M4
4.3	15200	330	75500	0.85			
5.0	13200	287	79100	1.00	K	127 R87	D132M4
5.6	11600	253	79900	1.10	KF	127 R87	D132M4
6.7	9790	213	80800	1.35	KA	127 R87	D132M4
7.1	9220	200	81000	1.30	KAF	127 R87	D132M4
8.6	7640	166	81600	1.55			
9.8	6740	147	81900	1.80			
4.4	16400	164.50	150000	1.95	K	167	D160L8
5.3	13400	134.99	150000	2.4			
5.8	12300	164.50	150000	2.6	K	167	D160M6
7.1	10100	134.99	150000	3.2			
6.4	11200	150.41	114900	1.60	K	157	D160M6
7.8	9130	122.39	115500	1.95	KF	157	D160M6
9.6	7480	100.22	115900	2.4	KA	157	D160M6
10	6840	91.65	116000	2.6	KAF	157	D160M6
12	5950	79.75	116200	3.0			
7.1	10200	136.14	80600	1.30	K	127	D160M6
7.8	9140	122.48	81000	1.40	KF	127	D160M6
8.7	8220	110.18	81400	1.60	KA	127	D160M6
11	6710	89.89	81900	1.95	KAF	127	D160M6
9.8	7320	146.07	81700	1.80			
11	6820	136.14	81800	1.90	K	127	D132M4
12	6130	122.48	82000	2.1	KF	127	D132M4
13	5520	110.18	82200	2.4	KA	127	D132M4
16	4500	89.89	82400	2.9	KAF	127	D132M4
17	4110	81.98	82500	3.2			
20	3550	70.95	82600	3.7			
10	7190	143.47	65000	1.10	K	107	D132M4
12	6080	121.46	65000	1.30	KF	107	D132M4
13	5630	112.41	65000	1.40	KA	107	D132M4
					KAF	107	D132M4
14	5050	100.75	65000	1.60			
16	4560	90.96	64200	1.75			
17	4140	82.61	63200	1.95	K	107	D132M4
20	3670	73.30	61900	2.2	KF	107	D132M4
22	3330	66.52	60900	2.4	KA	107	D132M4
25	2860	57.17	59100	2.8	KAF	107	D132M4
29	2500	49.90	57500	3.1			
34	2120	42.33	55500	3.5			
39	1850	37.00	53800	3.9			
15	4850	96.80	38300	0.90	K	97	D132M4
17	4330	86.52	38300	1.00	KF	97	D132M4
18	3900	77.89	38100	1.10	KA	97	D132M4
20	3530	70.54	37900	1.20	KAF	97	D132M4
23	3130	62.55	37500	1.35			

Output speed n_2 [r/min]	Output torque Ta [N·m]	Ratio i	Permitted overhung load FR2 [N]	Service factor fB			Model
7.5kW							
25	2830	56.55	37100	1.50	K	97	D132M4
30	2400	47.93	36400	1.80	KF	97	D132M4
34	2100	41.87	35600	2.0	KA	97	D132M4
37	1920	38.30	35100	2.2	KAF	97	D132M4
42	1710	34.23	34400	2.5			
23	3160	63.00	24100	0.85	K	87	D132M4
25	2840	56.64	24200	0.95	KF	87	D132M4
29	2460	49.16	24200	1.10	KA	87	D132M4
32	2200	44.02	24200	1.20	KAF	87	D132M4
39	1830	36.52	23900	1.35			
46	1570	31.39	23500	1.70			
51	1400	27.88	23200	1.85			
57	1250	24.92	22800	2.0	K	87	D132M4
64	1120	22.41	22500	2.0	KF	87	D132M4
74	970	19.45	21900	2.4	KA	87	D132M4
82	870	17.42	21500	2.5	KAF	87	D132M4
89	800	16.00	20600	2.2			
99	725	14.45	20700	2.9			
46	1550	30.89	15400	1.00	K	77	D132M4
49	1470	29.27	16000	1.05	KF	77	D132M4
56	1280	25.62	17000	1.20	KA	77	D132M4
62	1160	23.08	17700	1.35	KAF	77	D132M4
71	1010	20.25	18300	1.50			
80	890	17.87	18600	1.60			
90	795	15.84	18200	1.75			
106	675	13.52	17800	2.0	K	77	D132M4
116	620	12.36	17000	1.60	KF	77	D132M4
132	545	10.84	16700	1.80	KA	77	D132M4
150	480	9.56	16300	1.95	KAF	77	D132M4
169	425	8.48	15900	2.1			
198	365	7.24	15400	2.3			
9.2kW							
1.7	46700	835	190000	1.05			
2.0	40700	729	190000	1.25			
2.3	34700	622	190000	1.45	K	187R107	D132ML4
2.8	29100	520	190000	1.70			
3.2	25300	454	190000	1.95			
1.4	58600	1046	174800	0.85			
1.5	53000	945	184900	0.95			
2.0	41400	738	190000	1.20	K	187R97	D132ML4
2.3	34800	621	190000	1.45			
2.7	29500	527	190000	1.70			
4.5	17800	318	150000	1.80			
5.2	15500	278	150000	2.1			
5.9	13600	244	150000	2.3	K	167R107	D132ML4
6.8	11900	213	150000	2.7			
7.0	11500	206	150000	2.8			
2.3	35400	632	150000	0.90			
2.6	31300	561	150000	1.00			
3.0	27000	481	150000	1.20	K	167R97	D132ML4
3.4	23700	423	150000	1.35			
3.9	20600	369	150000	1.55			
3.7	21400	385	110300	0.85	K	157R107	D132ML4
4.4	18100	325	112100	1.00	KF	157R107	D132ML4
4.8	16700	299	112800	1.10	KA	157R107	D132ML4
5.7	14100	253	113900	1.25	KAF	157R107	D132ML4
6.2	12800	230	114400	1.40			
3.8	21200	379	110400	0.85	K	157R97	D132ML4
4.3	18600	333	111900	0.95	KF	157R97	D132ML4
4.9	16300	291	113000	1.10	KA	157R97	D132ML4
					KAF	157R97	D132ML4
5.7	14200	253	77500	0.90	K	127R87	D132ML4
6.8	11900	213	79800	1.10	KF	127R87	D132ML4
7.2	11200	200	80100	1.05	KA	127R87	D132ML4
8.7	9320	166	81000	1.30	KAF	127R87	D132ML4
9.8	8230	147	81400	1.45			

Output speed n_2 [r/min]	Output torque Ta [N·m]	Ratio i	Permitted overhung load FR2 [N]	Service factor fB		Model
9.2kW						
11	8310	136.14	81300	1.55	K	127 D132ML4
12	7470	122.48	81600	1.75	KF	127 D132ML4
13	6720	110.18	8190	1.95	KA	127 D132ML4
16	5480	89.89	82200	2.4	KAF	127 D132ML4
18	5000	81.98	82300	2.6		
13	6860	112.41	62400	1.15	K	107 D132ML4
14	6150	100.75	61800	1.30	KF	107 D132ML4
16	5550	90.96	61100	1.45	KA	107 D132ML4
					KAF	107 D132ML4
17	5040	82.61	60400	1.60		
20	4470	73.30	59400	1.80	K	107 D132ML4
22	4060	66.52	58600	1.95	KF	107 D132ML4
25	3490	57.17	57100	2.3	KA	107 D132ML4
29	3040	49.90	55700	2.6	KAF	107 D132ML4
34	2580	42.33	54000	2.8		
18	4750	77.89	35100	0.90	K	97 D132ML4
20	4300	70.54	35100	1.00	KF	97 D132ML4
23	3820	62.55	35100	1.15	KA	97 D132ML4
25	3450	56.55	34900	1.25	KAF	97 D132ML4
30	2920	47.93	34400	1.45		
34	2550	41.87	34000	1.70	K	97 D132ML4
38	2340	38.30	33600	1.85	KF	97 D132ML4
42	2090	34.23	33100	2.1	KA	97 D132ML4
47	1880	30.82	32500	2.3	KAF	97 D132ML4
52	1700	27.91	32000	2.5		
58	1510	24.75	31300	2.8		
29	3000	49.16	22000	0.90	K	87 D132ML4
33	2690	44.02	22200	0.95	KF	87 D132ML4
39	2230	36.52	22200	1.10	KA	87 D132ML4
46	1910	31.39	22100	1.40	KAF	87 D132ML4
52	1700	27.88	21900	1.55		
58	1520	24.92	21700	1.65		
64	1370	22.41	21400	1.70		
74	1190	19.45	21000	1.95	K	87 D132ML4
83	1060	17.42	20700	2.1	KF	87 D132ML4
90	980	16.00	19700	1.85	KA	87 D132ML4
100	880	14.45	20000	2.4	KAF	87 D132ML4
115	765	12.56	19500	2.6		
129	680	11.17	18600	2.2		
144	610	10.00	18200	2.5		
62	1410	23.08	16300	1.10	K	77 D132ML4
71	1240	20.25	17300	1.20	KF	77 D132ML4
81	1090	17.87	17600	1.35	KA	77 D132ML4
91	970	15.84	17400	1.45	KAF	77 D132ML4
107	820	13.52	17000	1.60		
117	755	12.36	16300	1.35	K	77 D132ML4
133	660	10.84	16000	1.50	KF	77 D132ML4
151	585	9.56	15700	1.60	KA	77 D132ML4
170	515	8.48	15400	1.70	KAF	77 D132ML4
199	440	7.24	14900	1.85		
11.0kW						
1.7	55900	835	179700	0.90		
2.0	48800	729	190000	1.05		
2.3	41600	622	190000	1.20	K	187R107 D160M4
2.8	34800	520	190000	1.45		
3.2	30400	454	190000	1.65		
4.1	23800	355	190000	2.1		
2.0	49600	738	190000	1.00		
2.3	41700	621	190000	1.20	K	187R97 D160M4
2.7	35300	527	190000	1.40		
4.5	21300	318	150000	1.50		
5.2	18600	278	150000	1.70		
5.9	16300	244	150000	1.95	K	167R107 D160M4
6.8	14200	213	150000	2.2		
7.0	13700	206	150000	2.3		

Output speed n_2 [r/min]	Output torque Ta [N·m]	Ratio i	Permitted overhung load FR2 [N]	Service factor fB		Model
11.0kW						
2.6	37500	561	150000	0.85		
3.0	32300	481	150000	1.00	K	167 R97 D160M4
3.4	28300	423	150000	1.15		
3.9	24700	369	150000	1.30		
					K	157 R97 D160M4
4.3	22300	333	109700	0.80	KF	157 R97 D160M4
4.9	19500	291	111400	0.90	KA	157 R97 D160M4
					KAF	157 R97 D160M4
6.8	14300	213	77400	0.90	K	127 R87 D160M4
7.2	13500	200	78900	0.90	KF	127 R87 D160M4
8.7	11200	166	80100	1.10	KA	127 R87 D160M4
9.8	9850	147	80700	1.20	KAF	127 R87 D160M4
5.3	19700	134.99	150000	1.60	K	167 D180L8
6.6	16000	109.83	150000	2.0		
5.8	18000	164.50	150000	1.80	K	167 D160L6
7.1	14800	134.99	150000	2.2		
8.8	12000	164.50	150000	2.7	K	167 D160M4
11	9850	134.99	150000	3.2		
5.9	17900	122.39	112300	1.00	K	157 D180L8
7.2	14600	100.22	113700	1.25	KF	157 D180L8
7.9	13400	91.65	114200	1.35	KA	157 D180L8
9.0	11600	79.75	114800	1.55	KAF	157 D180L8
6.4	16500	150.41	112900	1.10	K	157 D160L6
7.8	13400	122.39	114200	1.35	KF	157 D160L6
9.6	11000	100.22	115000	1.65	KA	157 D160L6
10	10000	91.65	115300	1.80	KAF	157 D160L6
12	8730	79.75	115600	2.1		
9.6	11000	150.41	115000	1.65	K	157 D160M4
12	8930	122.39	115600	2.0	KF	157 D160M4
14	7310	100.22	115900	2.5	KA	157 D160M4
16	6690	91.65	116000	2.7	KAF	157 D160M4
11	9930	136.14	80700	1.30		
12	8930	122.48	81100	1.45	K	127 D160M4
13	8040	110.18	81400	1.60	KF	127 D160M4
16	6560	89.89	81900	2.0	KA	127 D160M4
18	5980	81.98	82100	2.2	KAF	127 D160M4
20	5180	70.95	82300	2.5		
13	8200	112.41	58400	1.00	K	107 D160M4
14	7350	100.75	58300	1.10	KF	107 D160M4
16	6630	90.96	58000	1.20	KA	107 D160M4
17	6030	82.61	57500	1.35	KAF	107 D160M4
20	5350	73.30	56900	1.50		
22	4850	66.52	56200	1.65	K	107 D160M4
25	4170	57.17	55100	1.90	KF	107 D160M4
29	3640	49.90	54000	2.2	KA	107 D160M4
34	3090	42.33	52500	2.4	KAF	107 D160M4
39	2700	37.00	51200	2.7		
20	5150	70.54	32200	0.85	K	97 D160M4
23	4560	62.55	32500	0.95	KF	97 D160M4
25	4130	56.55	32500	1.05	KA	97 D160M4
30	3500	47.93	32500	1.25	KAF	97 D160M4
34	3050	41.87	32200	1.40		
38	2790	38.30	32000	1.55	K	97 D160M4
42	2500	34.23	31600	1.70	KF	97 D160M4
47	2250	30.82	31300	1.90	KA	97 D160M4
52	2040	27.91	30800	2.1	KAF	97 D160M4
58	1800	24.75	30300	2.4		
64	1630	22.37	29800	2.6		

Output speed n_2 [r/min]	Output torque Ta [N·m]	Ratio i	Permitted overhung load FR2 [N]	Service factor fB		Model
11.0kW						
33	3210	44.02	20000	0.80	K	87 D160M4
39	2660	36.52	20400	0.95	KF	87 D160M4
46	2290	31.39	20600	1.20	KA	87 D160M4
52	2030	27.88	20600	1.30	KAF	87 D160M4
58	1820	24.92	20500	1.40		
64	1630	22.41	20300	1.40		
74	1420	19.45	20100	1.60		
83	1270	17.42	19800	1.75		
90	1170	16.00	18800	1.55	K	87 D160M4
100	1050	14.45	19400	2.0	KF	87 D160M4
115	920	12.56	18900	2.2	KA	87 D160M4
129	810	11.17	18000	1.85	KAF	87 D160M4
144	730	10.00	17700	2.1		
174	605	8.29	17100	2.3		
200	525	7.21	16700	2.5		
62	1680	23.08	14400	0.90		
71	1480	20.25	15900	1.00		
81	1300	17.87	16600	1.10		
91	1160	15.84	16500	1.20	K	77 D160M4
107	990	13.52	16300	1.35	KF	77 D160M4
117	900	12.36	15500	1.10	KA	77 D160M4
133	790	10.84	15300	1.25	KAF	77 D160M4
151	700	9.56	15100	1.35		
170	620	8.48	14800	1.45		
199	530	7.24	14500	1.55		
15.0kW						
2.3	56100	622	179400	0.90		
2.8	47000	520	190000	1.05		
3.2	41000	454	190000	1.20	K	187 R107 D160L4
4.1	32100	355	190000	1.55		
5.6	23600	261	190000	2.1		
4.6	28700	318	150000	1.10		
5.3	25000	278	150000	1.30		
6.0	22000	244	150000	1.45		
6.8	19200	213	150000	1.65	K	167 R107 D160L4
7.1	18500	206	150000	1.75		
8.1	16200	180	150000	1.95		
9.1	14400	160	150000	2.2		
6.3	20700	230	110700	0.85		
6.9	19200	213	116000	0.95	K	157 R107 D160L4
7.8	16800	187	112800	1.05	KF	157 R107 D160L4
9.3	14200	157	113900	1.25	KA	157 R107 D160L4
12	11000	122	115000	1.65	KAF	157 R107 D160L4
14	9630	107	115400	1.85		
5.4	26600	179.86	190000	1.90		
5.9	24400	165.21	190000	2.0	K	187 D180L6
7.2	19900	134.99	150000	1.60		
8.8	16200	109.83	150000	1.95	K	167 D180L6
8.9	16100	164.50	150000	2.0		
11	13200	134.99	150000	2.4	K	167 D160L4
7.9	18100	122.39	112200	1.00	K	157 D180L6
9.7	14800	100.22	113700	1.20	KF	157 D180L6
11	13500	91.65	114100	1.35	KA	157 D180L6
12	11800	79.75	114800	1.55	KAF	157 D180L6
14	10400	70.38	115200	1.75		
9.7	14800	150.41	113700	1.20	K	157 D160L4
12	12000	122.39	114700	1.50	KF	157 D160L4
15	9830	100.22	114200	1.85	KA	157 D160L4
16	8990	91.65	112500	2.0	KAF	157 D160L4
18	7820	79.75	109600	2.3		

Output speed n_2 [r/min]	Output torque Ta [N·m]	Ratio i	Permitted overhung load FR2 [N]	Service factor fB		Model
15.0kW						
11	13400	136.14	79000	0.95	K	127 D160L4
12	12000	122.48	79700	1.10	KF	127 D160L4
13	10800	110.18	80300	1.20	KA	127 D160L4
					KAF	127 D160L4
16	8820	89.89	81200	1.45		
18	8040	81.98	81400	1.60	K	127 D160L4
21	6960	70.95	81600	1.85	KF	127 D160L4
23	6140	62.60	80000	2.1	KA	127 D160L4
27	5300	54.07	78000	2.5	KAF	127 D160L4
31	4690	47.82	76200	2.8		
16	8920	90.96	50900	0.90	K	107 D160L4
18	8110	82.61	51100	1.00	KF	107 D160L4
20	7190	73.30	51200	1.10	KA	107 D160L4
22	6530	66.52	51000	1.25	KAF	107 D160L4
26	5610	57.17	50600	1.45		
29	4900	49.90	50000	1.60	K	107 D160L4
34	4150	42.33	49100	1.75	KF	107 D160L4
39	3630	37.00	48200	2.0	KA	107 D160L4
45	3210	32.69	47300	2.2	KAF	107 D160L4
47	3070	31.28	47000	2.2		
50	2840	29.00	46400	2.5		
30	4700	47.93	28100	0.90	K	97 D160L4
35	4110	41.87	28400	1.05	KF	97 D160L4
38	3760	38.30	28500	1.15	KA	97 D160L4
43	3360	34.23	28500	1.30	KAF	97 D160L4
47	3020	30.82	28400	1.40		
52	2740	27.91	28300	1.55	K	97 D160L4
59	2430	24.75	28000	1.75	KF	97 D160L4
65	2190	22.37	27700	1.95	KA	97 D160L4
77	1860	18.96	27200	2.3	KAF	97 D160L4
88	1620	16.56	26600	2.7		
47	3080	31.39	17300	0.90		
52	2730	27.88	17600	0.95	K	87 D160L4
59	2440	24.92	17800	1.00	KF	87 D160L4
65	2200	22.41	18000	1.05	KA	87 D160L4
75	1910	19.45	18000	1.20	KAF	87 D160L4
84	1710	17.42	18000	1.30		
91	1570	16.00	16800	1.15		
101	1420	14.45	17800	1.50	K	87 D160L4
116	1230	12.56	17600	1.60	KF	87 D160L4
131	1100	11.17	16600	1.35	KA	87 D160L4
146	980	10.00	16400	1.55	KAF	87 D160L4
176	810	8.29	16000	1.70		
202	705	7.21	15700	1.85		
18.5kW						
2.8	57800	520	176300	0.85		
3.2	50400	454	189200	1.00		
4.1	39500	355	190000	1.25	K	187R107D180M4
5.6	29000	261	190000	1.70		
6.6	24600	221	190000	2.0		
4.6	35300	318	150000	0.90		
5.3	30800	278	150000	1.05		
6.0	27100	244	150000	1.20		
6.9	23600	213	150000	1.35		
7.1	22800	206	150000	1.40	K	167R107D180M4
8.1	20000	180	150000	1.60		
9.2	17700	160	150000	1.80		
11	15000	135	150000	2.1		
12	13100	118	150000	2.4		
7.8	20700	187	110700	0.85	K	157R107D180M4
9.3	17400	157	112500	1.05	KF	157R107D180M4
12	13600	122	114100	1.35	KA	157R107D180M4
14	11900	107	112300	1.50	KAF	157R107D180M4
5.4	32800	179.86	190000	1.55		
5.9	30100	165.21	190000	1.65	K	187 D200LS6
6.7	26300	144.59	190000	1.90		
7.5	23600	129.69	190000	2.1		

Output speed n_2 [r/min]	Output torque Ta [N·m]	Ratio i	Permitted overhung load FR2 [N]	Service factor fB		Model	
37kW							
41	8710	36.25	59000	1.50			
47	7540	31.37	58500	1.70			
53	6650	27.68	57800	1.95			
62	5740	23.91	56900	2.3	K	127	D225S4
70	5080	21.15	56000	2.6	KF	127	D225S4
83	4270	17.77	54500	3.0	KA	127	D225S4
102	3450	14.35	52500	3.5	KAF	127	D225S4
115	3070	12.79	50200	2.8			
137	2580	10.74	48600	3.1			
169	2090	8.68	46600	3.5			
40	8890	37.00	29000	0.80			
47	7520	31.28	33000	0.90			
51	6970	29.00	34200	1.05			
56	6320	26.32	34500	1.15	K	107	D225S4
65	5440	22.62	34700	1.30	KF	107	D225S4
74	4740	19.74	34700	1.50	KA	107	D225S4
88	4020	16.75	34500	1.75	KAF	107	D225S4
100	3520	14.64	34200	1.95			
109	3230	13.43	32300	1.35			
125	2820	11.73	32000	1.55			
148	2390	9.94	31400	1.75			
169	2090	8.69	30900	1.95			
45kW							
6.6	59800	221	172600	0.85			
7.6	52300	193	186100	1.95	K	187R107	D225M4
9.0	44200	163	190000	1.15			
11	36600	135	150000	0.85	K	167R107	D225M4
12	32000	118	150000	1.00			
8.2	52600	179.86	185500	0.95			
8.9	48300	165.21	190000	1.05			
10	42300	144.59	190000	1.20			
11	37900	129.69	190000	1.30	K	187	D225M4
13	32900	112.60	190000	1.50			
14	29900	102.16	190000	1.65			
17	25700	88.00	190000	1.95			
20	21600	73.96	187700	2.3			
13	32100	109.83	150000	1.00			
17	25700	87.86	150000	1.25			
19	22800	78.14	150000	1.40			
22	19900	68.07	150000	1.60	K	167	D225M4
24	17800	60.74	149000	1.80			
28	15100	51.77	145600	2.1			
34	12500	42.89	140600	2.5			
21	20600	70.38	76800	0.85			
24	17800	61.02	77700	1.00			
27	15900	54.29	77900	1.15			
31	13700	46.79	77800	1.30	K	157	D225M4
39	11100	38.02	76900	1.60	KF	157	D225M4
47	9150	31.30	75500	1.95	KA	157	D225M4
53	8080	27.62	74300	2.2	KAF	157	D225M4
61	7000	23.95	72800	2.6			
69	6230	21.31	71500	2.9			
80	5370	18.37	69700	3.3			
31	14000	47.82	52800	0.95	K	127	D225M4
37	11700	40.19	53900	1.10	KF	127	D225M4
41	10600	36.25	54200	1.25	KA	127	D225M4
					KAF	127	D225M4
47	9170	31.37	54400	1.40			
53	8090	27.68	54200	1.60			
62	6990	23.91	53800	1.85	K	127	D225M4
70	6180	21.15	53200	2.1	KF	127	D225M4
83	5190	17.77	52200	2.5	KA	127	D225M4
102	4190	14.35	50700	2.9	KAF	127	D225M4
115	3740	12.79	48300	2.3			
137	3140	10.74	47000	2.5			
169	2540	8.68	45300	2.8			

Output speed n_2 [r/min]	Output torque Ta [N·m]	Ratio i	Permitted overhung load FR2 [N]	Service factor fB		Model	
45kW							
51	8480	29.00	25600	0.85	K	107	D225M4
56	7690	26.32	28300	0.95	KF	107	D225M4
65	6610	22.62	31000	1.10	KA	107	D225M4
74	5770	19.74	31700	1.25	KAF	107	D225M4
88	4890	16.75	31900	1.45			
100	4280	14.64	31900	1.60	K	107	D225M4
109	3930	13.43	29900	1.10	KF	107	D225M4
125	3430	11.73	29900	1.25	KA	107	D225M4
148	2910	9.94	29600	1.45	KAF	107	D225M4
169	2540	8.69	29300	1.60			
55kW							
10	51500	144.59	187400	0.95			
11	46200	129.69	190000	1.10			
13	40100	112.60	188500	1.25			
14	36400	102.16	187100	1.35	K	187	D250M4
17	31300	88.00	184200	1.60			
20	26300	73.96	180200	1.90			
23	22800	64.04	176300	2.2			
17	31300	87.86	145300	1.00			
19	27800	78.14	144600	1.15			
22	24200	68.07	143300	1.30			
24	21600	60.74	141700	1.50	K	167	D250M4
28	18400	51.77	139100	1.75			
34	15300	42.89	135400	2.1			
40	13000	36.61	131900	2.5			
24	21700	61.02	69000	0.85			
27	19300	54.29	70200	0.95			
32	16700	46.79	71200	1.10			
39	13500	38.02	71500	1.35	K	157	D250M4
47	11100	31.30	71000	1.60	KF	157	D250M4
53	9840	27.62	70400	1.85	KA	157	D250M4
62	8530	23.95	69400	2.1	KAF	157	D250M4
69	7590	21.31	68400	2.4			
80	6540	18.37	67000	2.8			
99	5310	14.92	64800	3.4			
117	4510	12.65	62900	3.8			
37	14300	40.19	47400	0.90	K	127	D250M4
47	11200	31.37	49300	1.15	KF	127	D250M4
53	9850	27.68	49700	1.30	KA	127	D250M4
					KAF	127	D250M4
62	8510	23.91	49900	1.55			
70	7530	21.15	49800	1.75	K	127	D250M4
83	6330	17.77	49300	2.0	KF	127	D250M4
103	5110	14.35	48300	2.4	KA	127	D250M4
115	4550	12.79	45900	1.85	KAF	127	D250M4
137	3830	10.74	45000	2.1			
170	3090	8.68	43600	2.3			
75kW							
11	62800	129.69	164100	0.80			
13	54500	112.60	166100	0.90			
14	49400	102.16	166600	1.00			
17	42600	88.00	166600	1.15	K	187	D280S4
20	35800	73.96	165300	1.40			
23	31000	64.04	163400	1.60			
28	25800	53.36	160100	1.95			
33	22000	45.50	156700	2.3			
19	37800	78.14	126100	0.85			
22	32900	68.07	127100	0.95			
24	29400	60.74	127300	1.10			
29	25100	51.77	126800	1.30			
35	20800	42.89	125200	1.55	K	167	D280S4
40	17700	36.61	123200	1.80			
46	15600	32.25	121300	2.0			
51	13900	28.77	119300	2.3			
60	11900	24.52	116300	2.7			

Output speed n_2 [r/min]	Output torque Ta [N·m]	Ratio i	Permitted overhung load FR2 [N]	Service factor fB		Model	
75kW							
39	18400	38.02	60800	1.00			
47	15100	31.30	62200	1.20			
54	13400	27.62	62600	1.35	K	157	D280S4
62	11600	23.95	62600	1.55	KF	157	D280S4
69	10300	21.31	62400	1.75	KA	157	D280S4
81	8890	18.37	61800	2.0	KAF	157	D280S4
99	7220	14.92	60500	2.5			
117	6120	12.65	59300	2.8			
47	15200	31.37	39200	0.85			
53	13400	27.68	40800	0.95			
62	11600	23.91	42200	1.10	K	127	D280S4
70	10200	21.15	42900	1.25	KF	127	D280S4
83	8600	17.77	43500	1.50	KA	127	D280S4
103	6940	14.35	43700	1.75	KAF	127	D280S4
116	6190	12.79	41100	1.40			
138	5200	10.74	41000	1.55			
171	4200	8.68	40400	1.70			
90kW							
14	59300	102.16	151300	0.85			
17	51100	88.00	153400	1.00			
20	42900	73.96	154200	1.15			
23	37200	64.04	153800	1.35	K	187	D280M4
28	31000	53.36	152200	1.60			
33	26400	45.50	149900	1.90			
35	24700	42.51	148700	2.0			
38	22400	38.57	146900	2.2			
22	39500	68.07	115100	0.80			
24	35300	60.74	116600	0.90			
29	30100	51.77	117600	1.05			
35	24900	42.89	117600	1.30			
40	21300	36.61	116700	1.50	K	167	D280M4
46	18700	32.25	115500	1.70			
51	16700	28.77	114200	1.90			
60	14200	24.52	111900	2.2			
73	11800	20.32	108800	2.7			
85	10100	17.34	106000	3.2			
39	22100	38.02	52700	0.80			
47	18200	31.30	55500	1.00			
54	16000	27.62	56700	1.10	K	157	D280M4
62	13900	23.95	57500	1.30	KF	157	D280M4
69	12400	21.31	57900	1.45	KA	157	D280M4
81	10700	18.37	57900	1.70	KAF	157	D280M4
99	8670	14.92	57400	2.1			
117	7350	12.65	56600	2.3			
62	13900	23.91	36400	0.95			
70	12300	21.15	37800	1.05	K	127	D280M4
83	10300	17.77	39200	1.25	KF	127	D280M4
103	8330	14.35	40200	1.45	KA	127	D280M4
116	7420	12.79	37600	1.15	KAF	127	D280M4
138	6240	10.74	38000	1.30			
171	5040	8.68	38000	1.45			
110kW							
17	62300	88.00	136000	0.80			
20	52300	73.96	139500	0.95			
23	45300	64.04	141000	1.10			
28	37700	53.36	141500	1.30			
33	32200	45.50	140800	1.55	K	187	D315S4
35	30100	42.51	140200	1.65			
39	27300	38.57	139100	1.85			
45	23500	33.23	137000	2.1			
53	19800	27.92	134000	2.5			
29	36600	51.77	105500	0.85			
35	30300	42.89	107500	1.05			
41	25900	36.61	108100	1.25			
46	22800	32.25	107900	1.40	K	167	D315S4
52	20400	28.77	107400	1.55			
61	17300	24.52	106100	1.85			
73	14400	20.32	104000	2.2			
86	12300	17.34	101800	2.6			

Output speed n_2 [r/min]	Output torque Ta [N·m]	Ratio i	Permitted overhung load FR2 [N]	Service factor fB		Model	
110kW							
62	16900	23.95	50800	1.05	K	157	D315S4
70	15100	21.31	51900	1.20	KF	157	D315S4
81	13000	18.37	52700	1.40	KA	157	D315S4
100	10600	14.92	53100	1.70	KAF	157	D315S4
117	8950	12.65	53000	1.90			
132kW							
20	62800	73.96	123300	0.80			
23	54400	64.04	127000	0.90			
28	45300	53.36	129800	1.10			
33	38600	45.50	130800	1.30			
35	36100	42.51	130900	1.40			
39	32700	38.57	130700	1.55	K	187	D315M4
45	28200	33.23	129800	1.75			
53	23700	27.92	127900	2.1			
61	20500	24.18	125900	2.3			
74	17100	20.15	122800	2.6			
86	14600	17.18	119700	2.8			
35	36400	42.89	96400	0.90			
41	31100	36.61	98600	1.05			
46	27400	32.25	99600	1.15			
52	24400	28.77	99900	1.30	K	167	D315M4
61	20800	24.52	99800	1.55			
73	17200	20.32	98700	1.85			
86	14700	17.34	97300	2.2			
62	20300	23.95	43400	0.90	K	157	D315M4
70	18100	21.31	45300	1.00	KF	157	D315M4
81	15600	18.37	47000	1.15	KA	157	D315M4
100	12700	14.92	48500	1.40	KAF	157	D315M4
117	10700	12.65	49100	1.60			
160kW							
28	54900	53.36	114900	0.90			
33	46800	45.50	118100	1.05			
45	34200	33.23	120500	1.45			
53	28700	27.92	120100	1.75	K	187	D315M4a
61	24900	24.18	119100	1.90			
74	20700	20.15	117200	2.1			
86	17700	17.18	114900	2.3			
41	37700	36.61	86500	0.85			
61	25200	24.52	91700	1.25	K	167	D315M4a
73	20900	20.32	92000	1.55			
86	17800	17.34	91600	1.80			
81	18900	18.37	39800	0.95	K	157	D315M4a
100	15400	14.92	42600	1.15	KF	157	D315M4a
117	13000	12.65	44100	1.30	KA	157	D315M4a
					KAF	157	D315M4a
200kW							
33	58500	45.50	100000	0.85			
45	42700	33.23	107300	1.15			
53	35900	27.92	109000	1.40	K	187	D315M4b
61	31100	24.18	109500	1.55			
74	25900	20.15	109100	1.70			
86	22100	17.18	108100	1.85			
61	31500	24.52	80100	1.00			
73	26100	20.32	82400	1.20	K	167	D315M4b
86	22300	17.34	83400	1.45			
					K	157	D315M4b
100	19200	14.92	34200	0.95	KF	157	D315M4b
117	16300	12.65	36900	1.05	KA	157	D315M4b
					KAF	157	D315M4b

Output speed n_2 [r/min]	Output torque Ta [N·m]	Ratio i	Permitted overhung load FR2 [N]	Service factor fB	Model
200					
	0.20	6832	5640		
	0.23	5922	5640		
	0.25	5491	5640		
	0.29	4759	5640		
	0.33	4160	5640		
	0.38	3645	5640	K	37 R17 D63S4
	0.43	3205	5640	KF	37 R17 D63S4
	0.49	2801	5640	KA	37 R17 D63S4
	0.56	2454	5640	KAF	37 R17 D63S4
	0.64	2166	5640		
	0.73	1891	5640		
	0.83	1660	5640		
	0.94	1466	5640		
	1.1	1288	5640		
	1.2	1136	5640		
	1.4	996	5640		
	1.6	876	5640		
	1.8	761	5640	K	37 R17 D63S4
	2.1	671	5640	KF	37 R17 D63S4
	2.4	585	5640	KA	37 R17 D63S4
	2.7	512	5640	KAF	37 R17 D63S4
	3.1	451	5640		
	3.5	396	5640		
	4.0	346	5640		
	4.3	304	5640	K	37 R17 D63M4
	4.9	267	5640	KF	37 R17 D63M4
	5.7	234	5640	KA	37 R17 D63M4
	6.4	205	5640	KAF	37 R17 D63M4
	7.2	181	5640	K	37 R17 D63L4
	8.1	160	5640	KF	37 R17 D63L4
	9.5	136	5640	KA	37 R17 D63L4
	10	127	5640	KAF	37 R17 D63L4
				K	37 R17 D71D4
	12	110	5640	KF	37 R17 D71D4
	14	96	5640	KA	37 R17 D71D4
				KAF	37 R17 D71D4
400					
	0.14	10138	5920		
	0.16	8534	5920		
	0.18	7662	5920		
	0.20	6826	5920		
	0.23	5983	5920		
	0.27	5159	5920	K	47 R37 D63S4
	0.30	4601	5920	KF	47 R37 D63S4
	0.35	3940	5920	KA	47 R37 D63S4
	0.40	3477	5920	KAF	47 R37 D63S4
	0.45	3043	5920		
	0.51	2733	5920		
	0.59	2354	5920		
	0.67	2063	5920		
	0.76	1819	5920		
	0.87	1586	5920		
	0.99	1388	5920		
	1.1	1222	5920		
	1.3	1097	5920	K	47 R37 D63S4
	1.5	945	5920	KF	47 R37 D63S4
	1.7	831	5920	KA	47 R37 D63S4
	1.9	718	5920	KAF	47 R37 D63S4
	2.2	639	5920		
	2.4	552	5920	K	47 R37 D63M4
	2.7	495	5920	KF	47 R37 D63M4
	3.1	426	5920	KA	47 R37 D63M4
				KAF	47 R37 D63M4
	3.5	375	5920	K	47 R37 D63L4
	4.0	327	5920	KF	47 R37 D63L4
	4.5	289	5920	KA	47 R37 D63L4
				KAF	47 R37 D63L4

Output speed n_2 [r/min]	Output torque Ta [N·m]	Ratio i	Permitted overhung load FR2 [N]	Service factor fB	Model
400					
	5.4	256	5920	K	47 R37 D71D4
	6.2	225	5920	KF	47 R37 D71D4
	7.0	198	5920	KA	47 R37 D71D4
				KAF	47 R37 D71D4
	7.9	171	5920	K	47 R37 D80K4
	8.9	153	5920	KF	47 R37 D80K4
	10	131	5920	KA	47 R37 D80K4
				KAF	47 R37 D80K4
600					
	0.11	12169	7630		
	0.12	11162	7630		
	0.15	9503	7630		
	0.16	8547	7630		
	0.19	7277	7630		
	0.21	6478	7630	K	57 R37 D63S4
	0.24	5662	7630	KF	57 R37 D63S4
	0.27	5033	7630	KA	57 R37 D63S4
	0.32	4340	7630	KAF	57 R37 D63S4
	0.36	3854	7630		
	0.41	3390	7630		
	0.47	2924	7630		
	0.53	2593	7630		
	0.61	2249	7630		
	0.70	1986			
	0.79	1743	7630	K	57 R37 D63S4
	0.90	1539	7630	KF	57 R37 D63S4
	1.0	1354	7630	KA	57 R37 D63S4
	1.2	1174	7630	KAF	57 R37 D63S4
	1.3	1036	7630		
	1.5	906	7630	K	57 R37 D63M4
	1.6	806	7630	KF	57 R37 D63M4
	1.9	699	7630	KA	57 R37 D63M4
	2.2	615	7630	KAF	57 R37 D63M4
	2.4	544	7630	K	57 R37 D63L4
	2.8	473	7630	KF	57 R37 D63L4
	3.1	421	7630	KA	57 R37 D63L4
				KAF	57 R37 D63L4
	3.8	362	7630	K	57 R37 D71D4
	4.3	319	7630	KF	57 R37 D71D4
	4.9	280	7630	KA	57 R37 D71D4
				KAF	57 R37 D71D4
	5.5	246	7630	K	57 R37 D80K4
	6.3	215	7630	KF	57 R37 D80K4
	7.1	192	7630	KA	57 R37 D80K4
				KAF	57 R37 D80K4
	8.3	166	7630	K	57 R37 D80N4
	9.6	145	7630	KF	57 R37 D80N4
	11	129	7630	KA	57 R37 D80N4
				KAF	57 R37 D80N4
	13	111	7630	K	57 R37 D90S4
	14	97	7630	KF	57 R37 D90S4
				KA	57 R37 D90S4
				KAF	57 R37 D90S4
820					
	0.11	12139	10300		
	0.12	11134	10300		
	0.15	9479	10300		
	0.17	8173	10300		
	0.19	7259	10300		
	0.21	6462	10300	K	67 R37 D63S4
	0.24	5648	10300	KF	67 R37 D63S4
	0.28	4846	10300	KA	67 R37 D63S4
	0.32	4329	10300	KAF	67 R37 D63S4
	0.37	3750	10300		
	0.42	3315	10300		
	0.47	2917	10300		
	0.55	2532	10300		
	0.62	2244	10300		
	0.70	1981	10300		

Output speed n_2 [r/min]	Output torque Ta [N·m]	Ratio i	Permitted overhung load FR2 [N]	Service factor fB	Model
820					
	0.79	1739	10300	K	67 R37 D63S4
	0.90	1535	10300	KF	67 R37 D63S4
	1.0	1351	10300	KA	67 R37 D63S4
				KAF	67 R37 D63S4
	1.1	1171	10300	K	67 R37 D63M4
	1.3	1034	10300	KF	67 R37 D63M4
	1.5	903	10300	KA	67 R37 D63M4
	1.7	793	10300	KAF	67 R37 D63M4
	1.9	697	10300	K	67 R37 D63L4
	2.1	613	10300	KF	67 R37 D63L4
	2.4	542	10300	KA	67 R37 D63L4
				KAF	67 R37 D63L4
				K	67 R37 D71D4
	2.9	471	10300	KF	67 R37 D71D4
	3.3	420	10300	KA	67 R37 D71D4
				KAF	67 R37 D71D4
	3.8	361	10300	K	67 R37 D80K4
	4.2	323	10300	KF	67 R37 D80K4
	4.9	279	10300	KA	67 R37 D80K4
	5.5	246	10300	KAF	67 R37 D80K4
				K	67 R37 D80N4
	6.3	217	10300	KF	67 R37 D80N4
	7.2	191	10300	KA	67 R37 D80N4
				KAF	67 R37 D80N4
1550					
	0.09	15310	15400		
	0.10	14043	15400		
	0.12	11955	15400		
	0.14	10217	15400		
	0.16	8809	15400	K	77 R37 D63S4
	0.18	7528	15400	KF	77 R37 D63S4
	0.21	6606	15400	KA	77 R37 D63S4
	0.24	5774	15400	KAF	77 R37 D63S4
	0.27	5089	15400		
	0.31	4489	15400		
	0.35	3961	15400		
	0.40	3485	15400		
	0.48	2901	15400		
	0.51	2717	15400		
				K	77 R37 D63M4
	0.56	2370	15400	KF	77 R37 D63M4
				KA	77 R37 D63M4
				KAF	77 R37 D63M4
	0.64	2050	15400	K	77 R37 D63M4
	0.75	1772	15400	KF	77 R37 D63M4
	0.87	1514	15400	KA	77 R37 D63M4
				KAF	77 R37 D63M4
	0.94	1388	15400	K	77 R37 D63L4
	1.1	1218	15400	KF	77 R37 D63L4
	1.2	1053	15400	KA	77 R37 D63L4
				KAF	77 R37 D63L4
	1.5	924	15400	K	77 R37 D71D4
	1.7	815	15400	KF	77 R37 D71D4
	2.0	709	15400	KA	77 R37 D71D4
				KAF	77 R37 D71D4
	2.2	622	15400	K	77 R37 D80K4
	2.5	552	15400	KF	77 R37 D80K4
	2.8	485	15400	KA	77 R37 D80K4
				KAF	77 R37 D80K4
				K	77 R37 D80N4
	3.2	428	15400	KF	77 R37 D80N4
	3.8	367	15400	KA	77 R37 D80N4
				KAF	77 R37 D80N4

Output speed n_2 [r/min]	Output torque Ta [N·m]	Ratio i	Permitted overhung load FR2 [N]	Service factor fB	Model
1550					
	4.3	328	15400	K	77 R37 D90S4
	4.8	290	15400	KF	77 R37 D90S4
	5.6	252	15400	KA	77 R37 D90S4
				KAF	77 R37 D90S4
2700					
	0.09	14829	27300		
	0.10	13168	27300		
	0.12	11737	27300		
	0.14	10217	27300	K	87 R57 D63S4
	0.15	9073	27300	KF	87 R57 D63S4
	0.18	7854	27300	KA	87 R57 D63S4
	0.20	6832	27300	KAF	87 R57 D63S4
	0.23	5930	27300		
	0.26	5240	27300		
	0.30	4562	27300		
	0.33	4037	27300	K	87 R57 D63M4
	0.37	3609	27300	KF	87 R57 D63M4
	0.42	3107	27300	KA	87 R57 D63M4
	0.48	2728	27300	KAF	87 R57 D63M4
				K	87 R57 D63L4
				KF	87 R57 D63L4
	0.55	2371	27300	KA	87 R57 D63L4
				KAF	87 R57 D63L4
				K	87 R57 D63L4
	0.62	2088	27300	KF	87 R57 D63L4
	0.70	1854	27300	KA	87 R57 D63L4
				KAF	87 R57 D63L4
	0.83	1657	27300	K	87 R57 D71D4
	0.97	1415	27300	KF	87 R57 D71D4
	1.1	1229	27300	KA	87 R57 D71D4
				KAF	87 R57 D71D4
	1.3	1078	27300	K	87 R57 D80K4
	1.4	951	27300	KF	87 R57 D80K4
	1.6	837		KA	87 R57 D80K4
				KAF	87 R57 D80K4
				K	87 R57 D80N4
	1.9	726	27300	KF	87 R57 D80N4
	2.2	638	27300	KA	87 R57 D80N4
				KAF	87 R57 D80N4
	2.5	562	27300	K	87 R57 D90S4
	3.0	474	27300	KF	87 R57 D90S4
	3.3	426	27300	KA	87 R57 D90S4
				KAF	87 R57 D90S4
				K	87 R57 D90L4
	3.8	373	27300	KF	87 R57 D90L4
	4.3	330	27300	KA	87 R57 D90L4
				KAF	87 R57 D90L4
	4.8	294	27300	K	87 R57 D100M4
	5.6	250	27300	KF	87 R57 D100M4
	6.0	236	27300	KA	87 R57 D100M4
	7.0	201	27300	KAF	87 R57 D100M4
4300					
	0.08	18091	40000		
	0.08	16666	40000		
	0.09	14897	40000		
	0.10	13182	40000	K	97 R57 D63S4
	0.12	11677	40000	KF	97 R57 D63S4
	0.13	10317	40000	KA	97 R57 D63S4
	0.15	9083	40000	KAF	97 R57 D63S4
	0.17	8054	40000		
	0.20	6970	40000		
	0.22	6027	40000	K	97 R57 D63M4
	0.24	5391	40000	KF	97 R57 D63M4
	0.28	4669	40000	KA	97 R57 D63M4
	0.32	4082	40000	KAF	97 R57 D63M4

Output speed n_2 [r/min]	Output torque Ta [N·m]	Ratio i	Permitted overhung load FR2 [N]	Service factor fB	Model
4300					
	0.36	3583	40000	K	97 R57 D63L4
	0.42	3108	40000	KF	97 R57 D63L4
				KA	97 R57 D63L4
				KAF	97 R57 D63L4
	0.50	2757	40000	K	97 R57 D71D4
				KF	97 R57 D71D4
				KA	97 R57 D71D4
				KAF	97 R57 D71D4
	0.57	2419	40000	K	97 R57 D71D4
	0.65	2123	40000	KF	97 R57 D71D4
				KA	97 R57 D71D4
				KAF	97 R57 D71D4
	0.73	1856	40000	K	97 R57 D80K4
	0.84	1625	40000	KF	97 R57 D80K4
	0.95	1430	40000	KA	97 R57 D80K4
	1.1	1261	40000	KAF	97 R57 D80K4
	1.2	1102	40000	K	97 R57 D80N4
	1.4	957	40000	KF	97 R57 D80N4
				KA	97 R57 D80N4
				KAF	97 R57 D80N4
	1.6	855	40000	K	97 R57 D90S4
	1.9	743	40000	KF	97 R57 D90S4
	2.2	652	40000	KA	97 R57 D90S4
				KAF	97 R57 D90S4
	2.5	573	40000	K	97 R57 D90L4
	2.8	504	40000	KF	97 R57 D90L4
				KA	97 R57 D90L4
				KAF	97 R57 D90L4
	3.2	437	40000	K	97 R57 D100M4
	3.7	382	40000	KF	97 R57 D100M4
	4.1	342	40000	KA	97 R57 D100M4
				KAF	97 R57 D100M4
	4.6	305	40000	K	97 R57 D100L4
	5.4	258	40000	KF	97 R57 D100L4
	6.0	232	40000	KA	97 R57 D100L4
				KAF	97 R57 D100L4
	7.1	199	40000	K	97 R57 D112M4
				KF	97 R57 D112M4
				KA	97 R57 D112M4
				KAF	97 R57 D112M4
8000					
	0.10	14311	65000	K	107 R77 D63S4
	0.11	12211	65000	KF	107 R77 D63S4
				KA	107 R77 D63S4
				KAF	107 R77 D63S4
	0.12	10677	65000	K	107 R77 D63M4
	0.14	9524	65000	KF	107 R77 D63M4
	0.16	8328	65000	KA	107 R77 D63M4
				KAF	107 R77 D63M4
	0.18	7270	65000	K	107 R77 D63L4
	0.21	6184	65000	KF	107 R77 D63L4
	0.23	5662	65000	KA	107 R77 D63L4
				KAF	107 R77 D63L4
	0.27	5138	65000	K	107 R77 D71D4
	0.32	4359	65000	KF	107 R77 D71D4
	0.36	3810	65000	KA	107 R77 D71D4
				KAF	107 R77 D71D4
	0.41	3358	65000	K	107 R77 D80K4
	0.46	2977	65000	KF	107 R77 D80K4
	0.52	2599	65000	KA	107 R77 D80K4
				KAF	107 R77 D80K4
	0.60	2286	65000	K	107 R77 D80N4
	0.71	1939	65000	KF	107 R77 D80N4
				KA	107 R77 D80N4
				KAF	107 R77 D80N4

Output speed n_2 [r/min]	Output torque Ta [N·m]	Ratio i	Permitted overhung load FR2 [N]	Service factor fB	Model
8000					
	0.82	1713	65000	K	107 R77 D90S4
	0.90	1554	65000	KF	107 R77 D90S4
	1.0	1336	65000	KA	107 R77 D90S4
				KAF	107 R77 D90S4
	1.2	1166	65000	K	107 R77 D90L4
	1.4	1030	65000	KF	107 R77 D90L4
	1.6	904	65000	KA	107 R77 D90L4
				KAF	107 R77 D90L4
	1.8	793	65000	K	107 R77 D100M4
	2.0	696	65000	KF	107 R77 D100M4
	2.3	615	65000	KA	107 R77 D100M4
				KAF	107 R77 D100M4
	2.7	522	65000	K	107 R77 D100L4
	3.0	461	65000	KF	107 R77 D100L4
				KA	107 R77 D100L4
				KAF	107 R77 D100L4
	3.5	408	65000	K	107 R77 D112M4
	3.9	364	65000	KF	107 R77 D112M4
				KA	107 R77 D112M4
				KAF	107 R77 D112M4
	4.5	318	65000	K	107 R77 D132S4
	5.0	286	65000	KF	107 R77 D132S4
	5.7	251	65000	KA	107 R77 D132S4
				KAF	107 R77 D132S4
13000					
	0.08	17550	79200	K	127 R77 D63M4
	0.08	16006	79200	KF	127 R77 D63M4
	0.09	14975	79200	KA	127 R77 D63M4
	0.11	12440	79200	KAF	127 R77 D63M4
	0.12	10915	79200	K	127 R77 D63L4
	0.13	9819	79200	KF	127 R77 D63L4
				KA	127 R77 D63L4
				KAF	127 R77 D63L4
	0.16	8443	79200	K	127 R77 D71D4
	0.18	7482	79200	KF	127 R77 D71D4
	0.21	6565	79200	KA	127 R77 D71D4
				KAF	127 R77 D71D4
	0.23	5804	79200	K	127 R77 D80K4
	0.27	5027	79200	KF	127 R77 D80K4
	0.31	4423	79200	KA	127 R77 D80K4
	0.35	3889	79200	KAF	127 R77 D80K4
	0.42	3311	79200	K	127 R77 D80N4
	0.46	3009	79200	KF	127 R77 D80N4
				KA	127 R77 D80N4
				KAF	127 R77 D80N4
	0.54	2607	79200	K	127 R77 D90S4
	0.62	2268	79200	KF	127 R77 D90S4
				KA	127 R77 D90S4
				KAF	127 R77 D90S4
	0.73	1926	79200	K	127 R77 D90S4
				KF	127 R77 D90S4
				KA	127 R77 D90S4
				KAF	127 R77 D90S4
	0.80	1757	79200	K	127 R77 D90L4
	0.91	1541	79200	KF	127 R77 D90L4
				KA	127 R77 D90L4
				KAF	127 R77 D90L4
	1.0	1342	79200	K	127 R77 D100M4
	1.2	1177	79200	KF	127 R77 D100M4
	1.4	1025	79200	KA	127 R77 D100M4
				KAF	127 R77 D100M4
	1.6	899	79200	K	127 R77 D100L4
	1.8	790	79200	KF	127 R77 D100L4
	2.0	704	79200	KA	127 R77 D100L4
				KAF	127 R77 D100L4

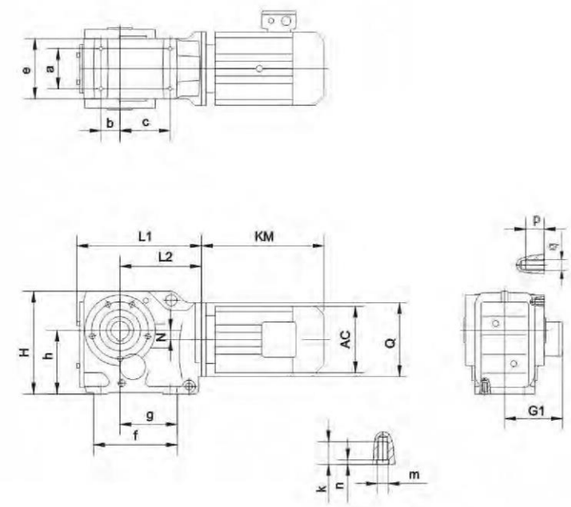
Output speed n_2 [r/min]	Output torque Ta [N·m]	Ratio i	Permitted overhung load FR2 [N]	Service factor fB	Model
13000					
	2.3	610	79200	K	127 R77 D112M4
	2.6	549	79200	KF	127 R77 D112M4
				KA	127 R77 D112M4
				KAF	127 R77 D112M4
	3.0	477	79200	K	127 R77 D132S4
	3.4	418	79200	KF	127 R77 D132S4
				KA	127 R77 D132S4
				KAF	127 R77 D132S4
	2.7	536	79200	K	127 R87 D112M4
				KF	127 R87 D112M4
				KA	127 R87 D112M4
				KAF	127 R87 D112M4
	3.0	473	79200	K	127 R87 D132S4
	3.4	418	79200	KF	127 R87 D132S4
				KA	127 R87 D132S4
				KAF	127 R87 D132S4
	3.9	367	79200	K	127 R87 D132M4
	4.3	330	79200	KF	127 R87 D132M4
	5.0	287	79200	KA	127 R87 D132M4
				KAF	127 R87 D132M4
	5.7	253	79200	K	127 R87 D132ML4
				KF	127 R87 D132ML4
				KA	127 R87 D132ML4
				KAF	127 R87 D132ML4
18000					
	0.08	17679	112200		
	0.09	15729	112200		
	0.09	14721	112200	K	157 R97 D80K4
	0.10	13097	112200	KF	157 R97 D80K4
	0.12	11368	112200	KA	157 R97 D80K4
	0.13	10114	112200	KAF	157 R97 D80K4
	0.16	8718	112200		
	0.18	7734	112200		
	0.28	5074	112200	K	157 R97 D90S4
	0.31	4514	112200	KF	157 R97 D90S4
	0.35	3979	112200	KA	157 R97 D90S4
	0.40	3516	112200	KAF	157 R97 D90S4
	0.46	3051	112200		
	0.54	2610	112200	K	157 R97 D90L4
	0.61	2322	112200	KF	157 R97 D90L4
				KA	157 R97 D90L4
				KAF	157 R97 D90L4
	0.70	2029	112200	K	157 R97 D100M4
	0.78	1805	112200	KF	157 R97 D100M4
				KA	157 R97 D100M4
				KAF	157 R97 D100M4
	0.85	1659	112200	K	157 R97 D100M4
	1.0	1365	112200	KF	157 R97 D100M4
				KA	157 R97 D100M4
				KAF	157 R97 D100M4
	1.1	1229	112200	K	157 R97 D100L4
	1.3	1093	112200	KF	157 R97 D100L4
				KA	157 R97 D100L4
				KAF	157 R97 D100L4
	1.5	942	112200	K	157 R97 D112M4
	1.7	854	112200	KF	157 R97 D112M4
	1.9	756	112200	KA	157 R97 D112M4
				KAF	157 R97 D112M4

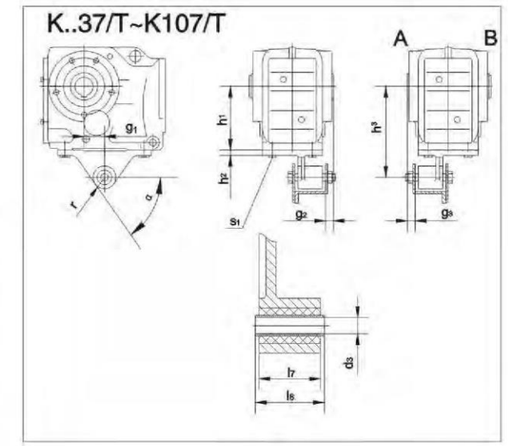
Output speed n_2 [r/min]	Output torque Ta [N·m]	Ratio i	Permitted overhung load FR2 [N]	Service factor fB	Model
18000					
	2.2	661	112200	K	157 R97 D132S4
	2.5	567	112200	KF	157 R97 D132S4
				KA	157 R97 D132S4
				KAF	157 R97 D132S4
	2.8	504	112200	K	157 R97 D132M4
	3.3	434	112200	KF	157 R97 D132M4
				KA	157 R97 D132M4
				KAF	157 R97 D132M4
	3.8	379	112200	K	157 R97 D132ML4
	4.3	333	112200	KF	157 R97 D132ML4
				KA	157 R97 D132ML4
				KAF	157 R97 D132ML4
	4.9	291	112200	K	157 R97 D160M4
				KF	157 R97 D160M4
				KA	157 R97 D160M4
				KAF	157 R97 D160M4
	3.7	385	112200	K	157 R107 D132ML4
	4.4	325	112200	KF	157 R107 D132ML4
				KA	157 R107 D132ML4
				KAF	157 R107 D132ML4
	4.8	299	112200	K	157 R107 D160M4
				KF	157 R107 D160M4
				KA	157 R107 D160M4
				KAF	157 R107 D160M4
	5.8	253	112200	K	157 R97 D160L4
	6.3	230	112200	KF	157 R97 D160L4
	6.9	213	112200	KA	157 R97 D160L4
				KAF	157 R97 D160L4
32000					
	0.07	19723	150000	K	167 R97 D80K4
	0.08	17406	150000		
	0.09	15000	150000		
	0.10	13238	150000		
	0.12	11573	150000		
	0.13	10264	150000		
	0.16	8628	150000	K	167 R97 D80K4
	0.21	6562	150000	K	167 R97 D90S4
	0.26	5355	150000		
	0.29	4788	150000	K	167 R97 D90L4
	0.35	4079	150000		
	0.42	3376	150000	K	167 R97 D100M4
	0.51	2755	150000		
	0.62	2263	150000	K	167 R97 D100L4
	0.64	2182	150000	K	167 R97 D100L4
	0.83	1704	150000	K	167 R97 D112M4
	1.0	1408	150000		
	1.1	1296	150000	K	167 R97 D132S4
	1.3	1101	150000		
	1.5	944	150000		
	1.7	843	150000	K	167 R97 D132M4
	1.9	757	150000		
	2.3	632	150000	K	167 R97 D132ML4
	2.6	561	150000	K	167 R97 D160M4
	3.0	481	150000		

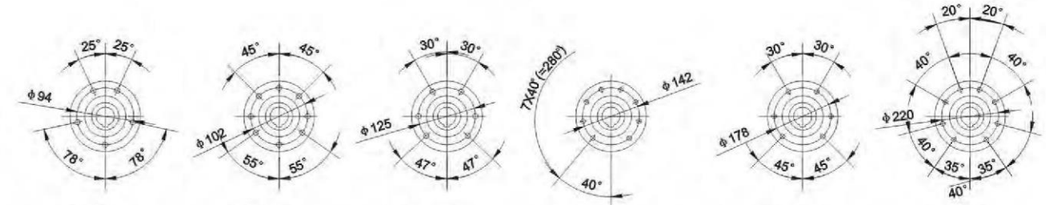
size	a b c	e_1 e_2 f	g_1 g_2 g_3	h_1 h_2	j	k	m n	Shaft dimension				
								d	l	l_1 l_2	S	t u
K37..	115 110 100	150 143 120	32 28 60	$100_{-0.5}$ $63_{-0.5}$	16	11	37 38	25k6	50	5 40	M10	28 8
K47.. KA47B..	130 130 120	170 162 145	37 35 75	$112_{-0.5}$ $71_{-0.5}$	18	11	37 32	30k6	60	3.5 50	M10	33 8
K57.. KA57B..	150 130 130	190 172 157	45 30 88	$132_{-0.5}$ $80_{-0.5}$	21	13.5	43 40	35k6	70	7 56	M12	38 10
K67.. KA67B..	160 120 140	203 170 170	45 30 101	$140_{-0.5}$ $90_{-0.5}$	24	13.5	43 45	40k6	80	5 70	M16	43 12
K77.. KA77B..	200 150 165	263 208 200	55 40 123.5	$180_{-0.5}$ $112_{-0.5}$	27	17.5	55 55	50k6	100	10 80	M16	53.5 14
K87.. KA87B..	233 180 180	305 260 230	70 55 150	$212_{-0.5}$ $132_{-0.5}$	32	22	67 75	60m6	120	5 110	M20	64 18
K97.. KA97B..	295 240 240	372 294 290	75 75 171	265_{-1} $160_{-0.5}$	36	26	82 60	70m6	140	7.5 125	M20	74.5 20
K107.. KA107B..	360 280 270	448 380 340	95 95 212	315_{-1} $200_{-0.5}$	40	33	98 100	90m6	170	5 160	M24	95 25
K127.. KA127B..	420 350 330	526 440 400	110 115 253	375_{-1} $225_{-0.5}$	45	39	111 100	110m6	210	15 180	M24	116 28
K157.. KA157B..	500 380 420	634 480 500	130 140 247	450_{-1} 280_{-1}	50	39	130 100	120m6	210	5 200	M24	127 32

size	hollow shaft dimention							H	L_1 L_2	L_3	N	Q
	d_1	d_2	l_3 l_4	l_5 l_6	l_7 l_8	s_1	t_1 u_1					
K37..	-	-	-	-	-	-	-	165	110 60	139	8.5	120
K47.. KA47B..	35^{H7}	50	78 75	15 3	22 132	M12x30	38.3 10	185	135 72	166	7.2	160
K57.. KA57B..	40^{H7}	55	86 83	18 3	29 142	M16x40	43.3 12	217	153 80	173	13.1	160
K67.. KA67B..	40^{H7}	55	93 90	20 3.5	29 156	M16x40	43.3 12	228	171 86.5	179	20	160
K77.. KA77B..	50^{H7}	70	108 105	22.5 4	32 183	M16x45	53.8 14	288	206 101	202	31.3	200
K87.. KA87B..	60^{H7}	85	123 120	30 4	36 210	M20x50	64.4 18	340	240 116	257	25.9	250
K97.. KA97B..	70^{H7}	95	153 150	30 4	34 270	M20x50	74.9 20	417	291 146	277	32.3	300
K107.. KA107B..	90^{H7}	118	178 175	40 2.5	40 313	M24x60	95.4 25	503	347 175	341	52	350
K127.. KA127B..	100^{H7}	135	208 205	40 2.5	38 373	M24x60	106.4 28	592	418 203	390	53	450
K157.. KA157B..	120^{H7}	155	253 250	40	36 460	M24x60	127.4 32	705	457 250	426	71.7	550

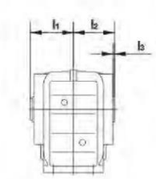
KA37..~KA107

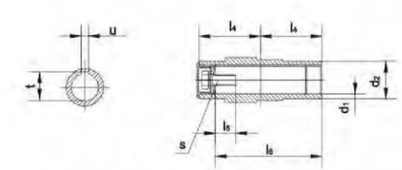






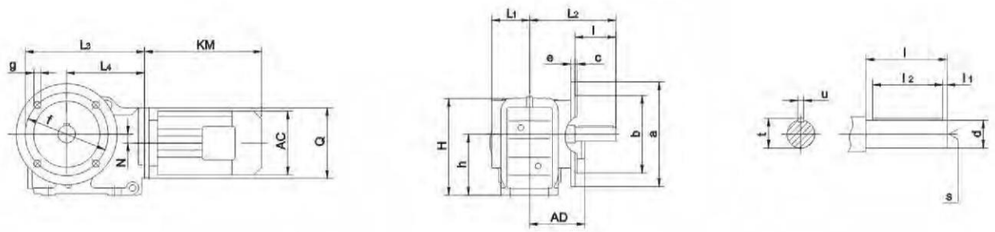
KA 37.. KA 47.. KA 57.. KA 67.. KA 77.. KA 87.. KA 97..



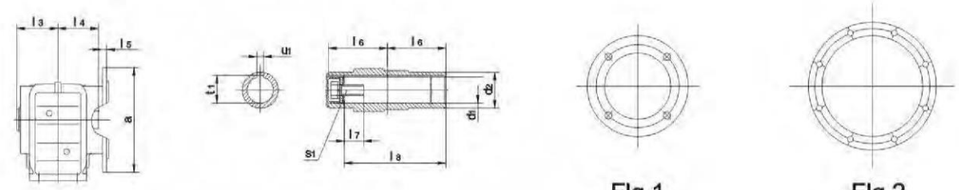


size	a b c	e f g	h	k m n	p q	Hollow shaft dimenson				Torque arm form				H L_1 L_2	N Q
						d_1 d_2	l_1 l_2 l_3	l4 l5 l6	s t u	g_1 g_2 g_3	h_1 h_2 h_3	d_3 l_7 l_8	r s_1 α		
KA 37.. K..37/T..	60 35 82	100 147 97	$100_{-0.5}$	20 M10 4	12 M8	30^{H7} 45	63 60 2.5	60 17 105	M10 33.3 8	23.5 20 20	$100_{-0.5}$ 10 $140^{+0.2}_{-0.7}$	$10.4_{+0.1}$ 31 $36_{-0.3}$	22.5 M10x25 60°	164 210 139	8.5 120
KA 47.. K..47/T..	70 40 100	110 170 115	$112_{-0.5}$	20 M10 4	12 M8	35^{H7} 50	78 75 3	75 22 132	M12 38.3 10	30 20 20	$112_{-0.5}$ 12 $160^{+0.2}_{-0.7}$	$10.4_{+0.1}$ 31 $36_{-0.3}$	22.5 M10x30 55°	185 243 166	7.2 160
KA 57.. K..57/T..	88 47 105	122 182 120	$132_{-0.5}$	25 M12 5	20 M12	40^{H7} 55	86 83 3	83 29 142	M16 43.3 12	40 18 18	$132_{-0.5}$ 13 $192^{+0.2}_{-0.7}$	$16.4_{+0.08}$ 54 $60_{-0.3}$	29 M12x35 55°	215 269 173	13.1 160
KA67.. K..67/T..	88 42 110	130 182 125	$140_{-0.5}$	25 M12 5	20 M12	40^{H7} 55	94 90 3.5	90 29 156	M16 43.3 12	45 25 25	$140_{-0.5}$ 13 $200^{+0.2}_{-0.7}$	$16.4_{+0.08}$ 54 $60_{-0.3}$	29 M12x35 55°	226 274 179	20 160
KA 77.. K..77/T..	102 48 122	154 204 139	$180_{-0.5}$	32 M16 6	20 M12	50^{H7} 70	108 105 4	105 32 186	M16 53.8 14	52.5 25 25	$180_{-0.5}$ 14 $250^{+0.2}_{-0.7}$	$16.4_{+0.08}$ 54 $60_{-0.3}$	29 M16x40 60°	286 312 202	31.3 200
KA 87.. K..87/T..	118 65 160	170 280 190	$212_{-0.5}$	32 M16 6	26 M16	60^{H7} 85	123 120 4	120 36 210	M20 64.4 18	60 30 30	$212_{-0.5}$ 16 $300^{+0.2}_{-0.7}$	$25_{+0.08}$ 72 $80_{-0.3}$	41 M16x45 60°	338 390 257	25.9 250
KA 97.. K..97/T..	160 83 165	226 298 190	265_{-1}	36 M20 6	26 M16	70^{H7} 95	153 150 4	150 34 270	M20 74.9 20	70 40 40	265_{-1} 17 $350^{+0.2}_{-1.2}$	$25_{+0.08}$ 92 $100_{-0.3}$	41 M20x50 50°	414 435 277	32.3 300
KA 107.. K..107/T..	190 100 190	266 370 230	315_{-1}	44 M24 8	- -	90^{H7} 118	178 175 2.5	175 40 313	M24 95.4 25	74 45 45	315_{-1} 20 $450^{+0.5}_{-1.5}$	$25_{+0.08}$ 92 $100_{-0.3}$	41 M24x60 55°	500 537 341	52 350

KF37..~KF157..



KAF37..~KAF157..

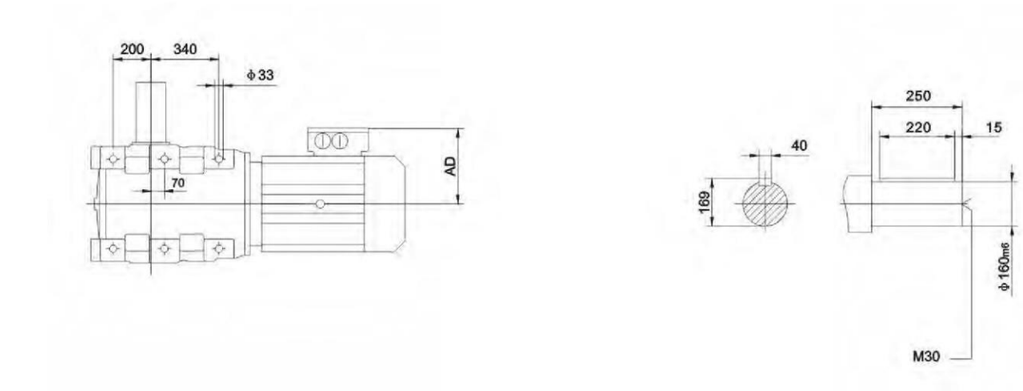


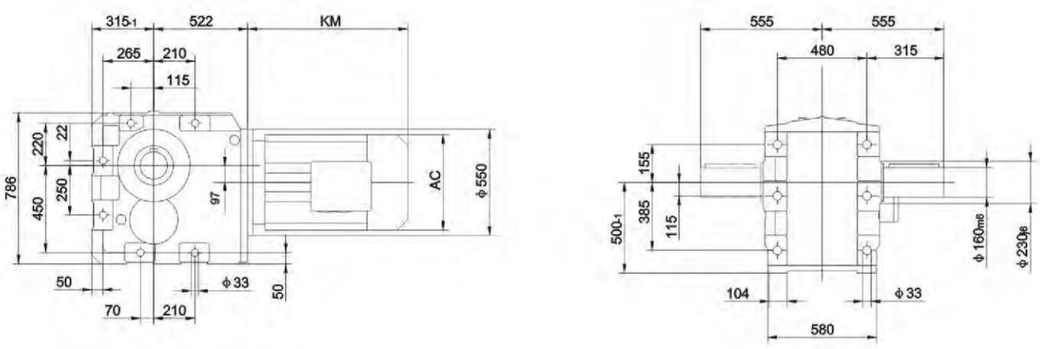
Flg.1 Flg.2

Flange form

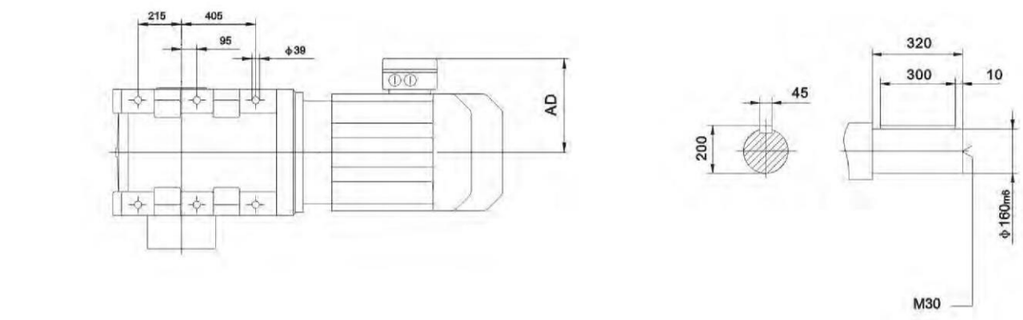
Model	Flange form	a b	c e	f g h	Shaft dimension d l	l_1 l_2	S	t u	HollowShaft dimension d_1 d_2	l_3 l_4 l_5	l_6 l_7 l_8	S_1	t_1 u_1	H	L_1 L_2 L_3	L_4 N Q
KF37.. KAF37..	Flg.1	160 110j6	3.5 10	130 9 100	25k6 50	5 40	M10	28 8	30^{H7} 45	63 60 24	60 17 105	M10 × 25	33.3 8	164	57.5 134 210	139 8.5 120
KF47.. KAF47..	Flg.1	200 130j6	3.5 10	165 11 112	30k6 60	3.5 50	M10	33 8	35^{H7} 50	78 75 25	75 22 132	M12 × 30	38.3 10	185	72 160 243	166 7.2 160
KF57.. KAF57..	Flg.1	250 180j6	4 15	215 13.5 132	35k6 70	7 56	M12	38 10	40^{H7} 55	86 83 23.5	83 29 142	M16 × 40	43.3 12	215	80 177 269	173 13.1 160
KF67.. KAF67..	Flg.1	250 180j6	4 15	215 13.5 140	40k6 80	5 70	M16	43 12	40^{H7} 55	94 90 23	90 29 156	M16 × 40	43.3 12	226	86.5 193 274	179 20 160
KF77.. KAF77..	Flg.1	300 230j6	4 16	265 13.5 180	50k6 100	80 10	M16	53.5 14	50^{H7} 70	108 105 37	105 32 183	M16 × 45	53.8 14	286	101 242 312	202 31.3 200
KF87.. KAF87..	Flg.1	350 250h6	5 18	300 17.5 212	60m6 120	5 110	M20	64 18	60^{H7} 85	123 120 30	120 36 210	M20 × 50	64.4 18	338	138 270 390	257 25.9 250
KF97.. KAF97..	Flg.2	450 350h6	5 22	400 17.5 265	70m6 140	7.5 125	M20	74.5 20	70^{H7} 95	153 150 41.5	150 34 270	M20 × 50	74.9 20	414	171 332 435	277 32.3 300
KF107.. KAF107..	Flg.2	450 350h6	5 25	400 17.5 315	90m6 170	5 160	M24	95 25	90^{H7} 118	178 175 41	175 40 313	M24 × 60	95.4 25	500	175 386 537	341 52 350
KF127.. KAF127..	Flg.2	550 450h6	5 22	500 17.5 375-1	110m6 210	15 180	M24	116 28	100^{H7} 135	208 205 51	205 38 373	M24 × 60	106.4 28	592	203 466 615	390 53 450
KF157.. KAF157..	Flg.2	660 550h6	6 28	600 22 450-1	120m6 210	5 200	M24	127 32	120^{H7} 155	253 250 60	250 36 460	M24 × 60	127.4 32	705	253 520 706	705 71.7 550

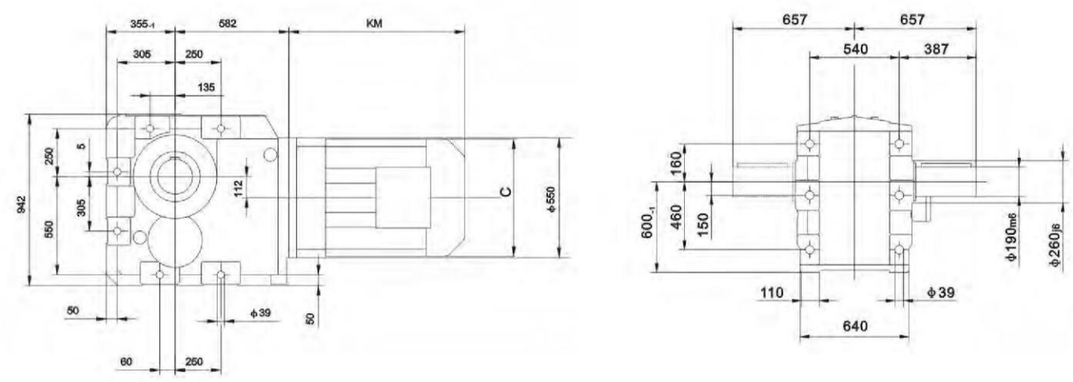
K167..


200
340
ϕ33
AD
70
40
169
250
220
15
ϕ160m6
M30

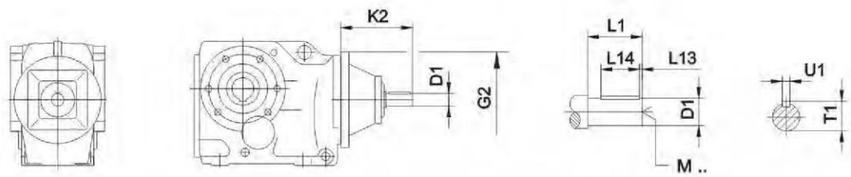

315-1
522
KM
265
210
115
220
22
786
450
250
97
AC
ϕ550
50
ϕ33
70
210
50
555
555
480
315
155
385
115
500-1
ϕ160m6
ϕ230js
104
ϕ33
580

K187..


215
405
95
ϕ39
AD
45
200
320
300
10
ϕ160m6
M30


355-1
582
KM
305
250
135
250
5
305
550
942
112
C
ϕ550
50
ϕ39
50
60
250
657
657
540
387
160
460
150
600-1
ϕ190m6
ϕ260js
110
ϕ39
640

K..AD..



		G2	K2	D1	L1	L13	L14	T1	U1	M
QL..37	AD1	120	102	16	40	4	32	18	5	M5
	AD2		130	19	40	4	32	21.5	6	M6
	AD2	160	123	19	40	4	32	21.5	6	M6
	AD3		159	24	50	5	40	27	8	M8
K..77	AD2	200	116	19	40	4	32	21.5	6	M6
	AD3		151	24	50	5	40	27	8	M8
	AD4		224	38	80	5	70	41	10	M12
K..87	AD2	250	111	19	40	4	32	21.5	6	M6
	AD3		156	28	60	5	50	31	8	M10
	AD4		219	38	80	5	70	41	10	M12
	AD5		292	42	110	10	70	45	12	M16
K..97	AD3	300	151	28	60	5	50	31	8	M10
	AD4		214	38	80	5	70	41	10	M12
	AD5		287	42	110	10	70	45	12	M16
	AD6		327	48	110	10	80	51.5	14	M16
K..107	AD3	350	145	28	60	5	50	31	8	M10
	AD4		208	38	80	5	70	41	10	M12
	AD5		281	42	110	10	70	45	12	M16
	AD6		321	48	110	10	80	51.5	14	M16
K..127	AD4	450	193	38	80	5	70	41	10	M12
	AD5		266	42	110	10	70	45	12	M16
	AD6		306	48	110	10	80	51.5	14	M16
	AD7		300	55	110	10	90	59	16	M20
	AD8		383	70	140	15	110	74.5	20	M20
K..157 K..167 K..187	AD5	550	258	42	110	10	70	45	12	M16
	AD6		298	48	110	10	80	51.5	14	M16
	AD7		292	55	110	10	90	59	16	M20
	AD8		374	70	140	15	110	74.5	20	M20

K..AM..

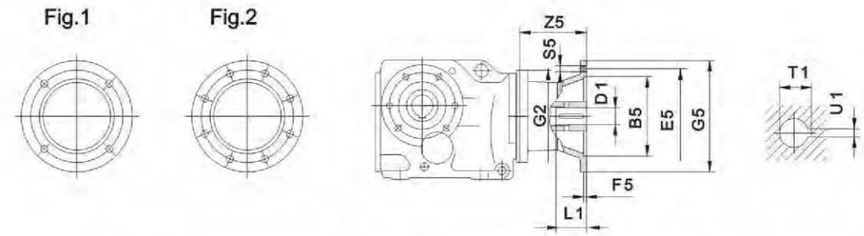


		Fig	B5	E5	F5	G2	G5	S5	Z5	D1	L1	T1	U1
K..37	AM63	1	95	115	3.5	120	140	M8	72	11	23	12.8	4
	AM71[1)]		110	130			160			14	30	16.3	5
	AM80[1)]		130	165	4.5		200	M10	106	19	40	21.8	6
	AM90[1)]									24	50	27.3	8
K..47	AM63	1	95	115	3.5	160	140	M8	66	11	23	12.8	4
	AM71		110	130			160			14	30	16.3	5
	AM80		130	165	4.5		200	M10	99	19	40	21.8	6
	AM90									24	50	27.3	8
	AM100[1)]		180	215	5		250	M12	134	28	60	31.3	8
	AM112[1)]												
K..77	AM63	1	95	115	3.5	200	140	M8	60	11	23	12.8	4
	AM71		110	130			160			14	30	16.3	5
	AM80		130	165	4.5		200	M10	92	19	40	21.8	6
	AM90									24	50	27.3	8
	AM100[1)]		180	215	5		250	M12	126	28	60	31.3	8
	AM112[1)]												
	AM132S[1)] AM132M[1)]		230	265	5		300		179	38	80	41.3	10
	AM132ML[1)]												
K..87	AM80	1	130	165	4.5	250	200	M10	87	19	40	21.8	6
	AM90									24	50	27.3	8
	AM100		180	215	5		250	M12	121	28	60	31.3	8
	AM112												
	AM132S AM132M		230	265			300		174	38	80	41.3	10
	AM132ML												
	AM160[1)]		250	300	6		350	M16	232	42	110	45.3	6
	AM180[1)]									48		51.8	8
K..97	AM100	1	180	215	5	300	250	M12	116	28	60	31.3	8
	AM112												
	AM132S AM132M		230	265			300		169	38	80	41.3	10
	AM132ML												
	AM160		250	300	6		350	M16	227	42	110	45.3	12
	AM180									48		51.8	14
	AM200[1)]		300	350	7		400		268	55		59.3	16
	AM225[1)]	2	350	400			450		283	60	140	64.4	18

K..AM..

Fig.1

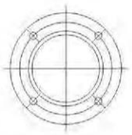
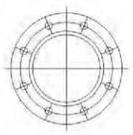


Fig.2



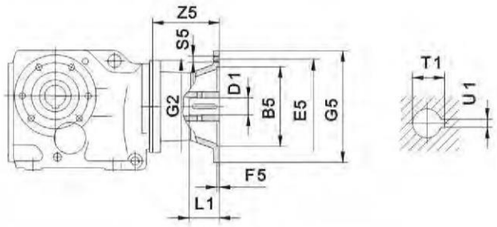
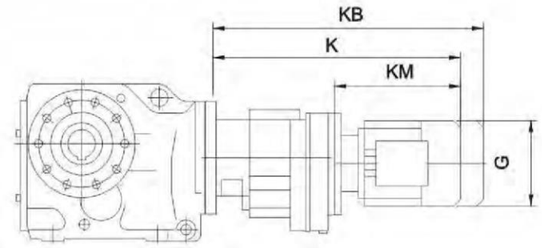


		Fig	B5	E5	F5	G2	G5	S5	Z5	D1	L1	T1	U1
K..107	AM100	1	180	215	5	350	250	M12	110	28	60	31.3	8
	AM112												
	AM132S		230	265			300		163	38	80	41.3	10
	AM132M												
	AM132ML												
	AM160		250	300	6		350	M16	221	42	110	45.3	12
	AM180									48		51.8	14
	AM200		300	350	7		400		262	55		59.3	16
	AM225	2	350	400			450		277	60	140	64.4	18
K..127	AM132S	1	230	265	5	450	300	M12	148	38	80	41.3	10
	AM132M												
	AM132ML												
	AM160		250	300	6		350	M16	206	42	110	45.3	12
	AM180									48		51.8	14
	AM200		300	350	7		400		247	55		59.3	16
	AM225	2	350	400			450		262	60	140	64.4	18
	AM250		450	500			550		336	65		69.4	
	AM280									75		79.9	20
K..157 K..167 K..187	AM160	1	250	300	6	550	350	M16	198	42	110	45.3	12
	AM180									48		51.8	14
	AM200		300	350	7		400		239	55		59.3	16
	AM225	2	350	400			450		254	60	140	64.4	18
	AM250		450	500			550		328	65		69.4	
	AM280									75		79.9	20

K..R..



		G	K	KB	KM
K..37R17	D63..	155	368	425	193
	D71D	155	369	433	194
	D80..	155	419	483	244
K..47R17 K..67R37	D63..	155	400	457	235
	D71D	155	401	465	236
	D80..	155	451	515	286
K..57R37	D63..	155	410	457	235
	D71D	155	401	465	236
	D80..	155	451	515	286
	D90..	210	451	536	286
K..77R37	D63..	155	392	449	235
	D71D	155	393	457	236
	D80..	155	443	507	286
	D90..	210	443	528	286
K..87R57	D63..	155	445	502	229
	D71D	155	445	509	229
	D80..	210	495	559	279
	D90..	210	495	580	279
	D100M	210	545	630	329
	D100L	210	565	650	349
K..97R57	D63..	155	440	497	229
	D71D	155	440	504	229
	D80..	155	490	554	279
	D90..	210	490	575	279
	D100M	210	540	625	329
	D100L	210	560	645	349
	D112M	240	575	655	364
K..107R77	D63..	155	470	527	223
	D71D	155	470	534	223
	D80..	155	520	584	273
	D90..	210	518	603	271
	D100M	210	568	653	321
	D100L	210	588	673	341
	D112M	240	602	682	355
	D132S	240	647	727	400
	D132M	285	699	811	452
	D132ML	285	719	831	472
	D160M	330	749	861	512

		G	K	KB	KM
QL..127R77	D63..	155	455	512	223
	D71D	155	455	519	223
	D80..	155	505	569	273
	D90..	210	503	588	271
	D100M	210	553	638	321
	D100L	210	573	658	341
	D112M	240	587	667	355
	D132S	240	632	712	400
	D132M	285	684	796	452
	D132ML	285	704	816	472
	D160M	330	734	846	502
K..127R87	D90..	210	547	632	267
	D100M	210	597	682	317
	DV100L	210	617	702	337
	D112M	240	630	710	350
	D132S	240	675	755	395
	D132M	285	727	839	447
	D132ML	285	747	859	467
	D160M	330	777	889	497
	DV160L	330	824	980	544
	D180..	380	896	1052	616
K..157R97 K167R97 KH167R97 K187R97 KH187R97	D80..	155	586	650	261
	D90..	210	586	671	261
	D100M	210	636	721	311
	D100L	210	656	741	331
	D112M	240	670	750	345
	D132S	240	715	795	390
	D132M	285	767	879	442
	D132ML	285	787	899	462
	D160M	330	817	929	492
	D160L	330	864	1020	539
	D180..	380	936	1092	61
	D200..	420	1024	1180	699
K..157R107 K167R97 KH167R97 K187R97 KH187R97	D100M	210	687	772	305
	D100L	210	707	792	325
	D112M	240	721	801	339
	D132S	240	766	846	384
	D132M	285	818	930	436
	D132ML	285	838	950	456
	D160M	330	868	980	486
	D160L	330	915	1071	533
	D180..	380	987	1143	605
	D200..	420	1075	1231	693
	D225..	470	1107	1263	725