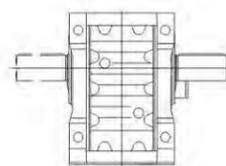
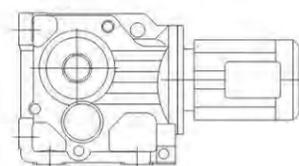


7. K Helical – Bevel Geared Motor

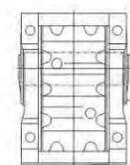
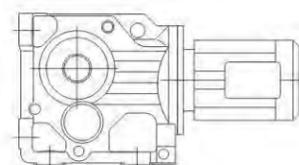
7.1 Versions of SUP geared motors

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



K..

Foot – mounted helical – bevel geared motor

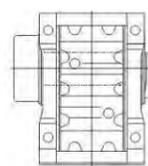
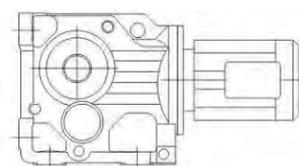


K..B

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

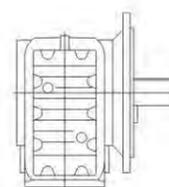
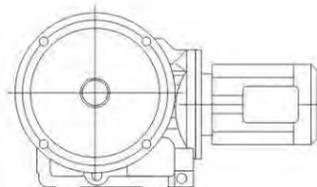
KV..B

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..

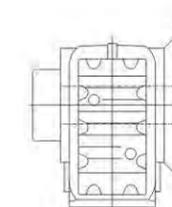
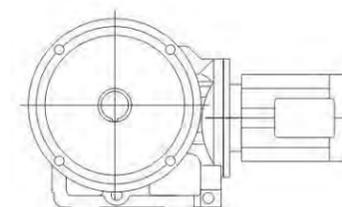
Helical – bevel geared motor in B5 flange – mounted version

AF..

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

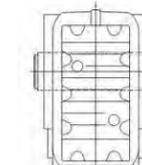
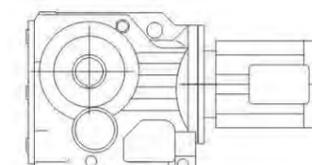
KVF..

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

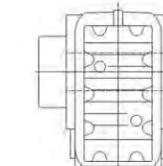
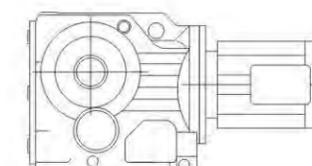


KA..

Helical – bevel geared motor with hollow shaft

KV..

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



KH..

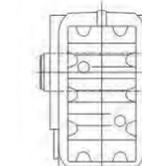
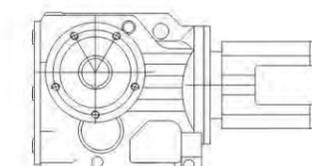
Helical – bevel geared motor with hollow shaft and shrink disk

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		
58.60	24	200	5020		AD ₁
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		AD ₂
35.39	40	400	5920		
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		
9.59	146	405	4650		AD ₃
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		AD ₂
88.97	16	1550	15400		
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	270			

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	AD ₃	
153.21	9.1	4300	40000		
140.28	10	4300	40000		
123.93	11	4300	40000		
105.13	13	4300	40000		
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	AD ₅	
34.23	41	4300	25700		
30.82	45	4300	24500		
27.91	50	4300	23300		
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 ₈	
8.71	161	2660	15800		

K107		8000Nm		
i	n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	AD
143.47	9.8	8000	65000	AD ₄
121.46	12	8000	61700	
112.41	12	8000	59700	
100.75	14	8000	57000	
90.96	15	8000	54600	
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	AD ₅
37.00	38	7200	38500	
32.69	43	7200	36300	
31.28	45	6800	36700	AD ₆
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	
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	AD ₄
136.14	10	13000	79200	
122.48	11	13000	79200	
110.18	13	13000	79200	
89.89	16	13000	75100	AD ₅
81.98	17	13000	72100	
70.95	20	13000	67700	
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	AD ₈
21.15	66	13000	37200	
17.77	79	13000	33600	
14.35	98	12100	31800	
12.79	109	8530	35400	
10.74	130	8000	33900	
8.68	161	7230	32500	

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	

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	AD ₅	
122.39	11	18000	106500		
100.22	14	18000	98000		
91.65	15	18000	94400		
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		
38.02	37	18000	63300		AD ₇
31.30	45	18000	57500		
27.62	51	18000	54000	AD ₈	
23.95	58	18000	50000		
21.31	66	18000	47000		
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 ₅
134.99	10	32000	150000	
109.83	13	32000	150000	AD ₆
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	AD ₈
36.61	38	32000	99700	
32.25	43	32000	93700	
28.77	49	32000	88600	
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	AD ₆
165.21	8.5	50000	190000	
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	AD ₈
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	
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	

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

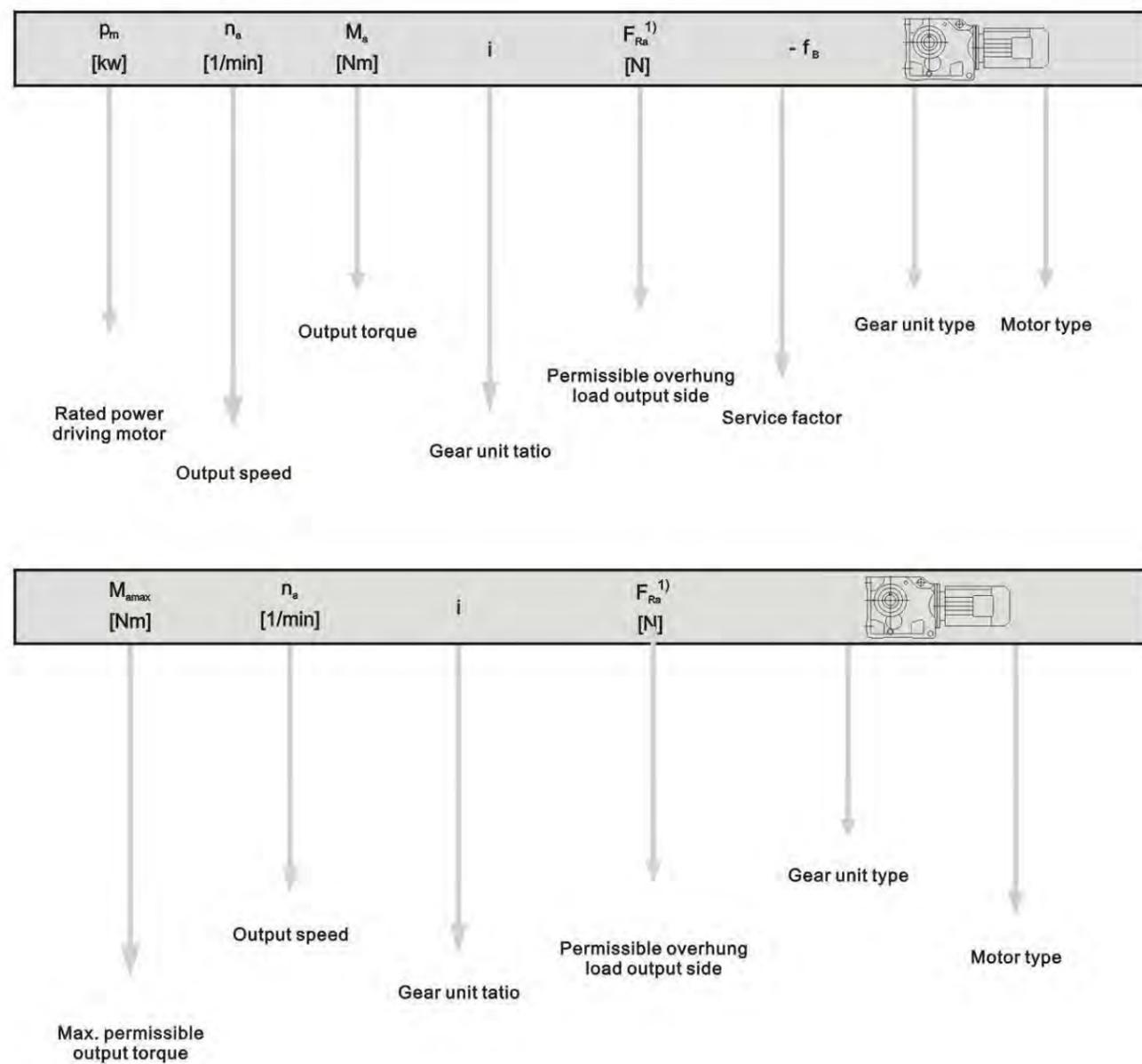
K167R107 32000Nm			
i	n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]
318	4.4	32000	150000
278	5.0	32000	150000
244	5.7	32000	150000
213	6.6	32000	150000
206	6.8	32000	150000
180	7.8	32000	150000
160	8.8	32000	150000
135	10	32000	150000
118	12	32000	150000

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 T_a [N·m]	Ratio i	Permitted overhung load FR2 [N]	Service factor f_B	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	
0.26	3560	5391	40000	1.20	K 97 R57 D63S4
0.30	2950	4669	40000	1.45	KF 97 R57 D63S4
0.34	2640	4082	40000	1.65	KA 97 R57 D63S4
0.39	2320	3583	40000	1.85	KAF 97 R57 D63S4
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	
0.74	1220	1856	40000	3.5	K 97 R57 D63S4
0.85	1000	1625	40000	4.3	KF 97 R57 D63S4
0.96	860	1430	40000	5.0	KA 97 R57 D63S4
1.1	830	1261	40000	5.2	KAF 97 R57 D63S4
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	
0.51	1790	2717	13400	0.85	K 77 R37 D63S4
0.58	1510	2370	15700	1.05	KF 77 R37 D63S4
					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 T_a [N·m]	Ratio i	Permitted overhung load FR2 [N]	Service factor f_B	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	
2.9	310	473	9250	1.95	K 57 R37 D63S4
3.3	265	421	9420	2.3	KF 57 R37 D63S4
3.8	235	362	9510	2.5	KA 57 R37 D63S4
4.3	210	319	9610	2.9	KAF 57 R37 D63S4
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	
2.8	315	495	6930	1.25	K 47 R37 D63S4
3.2	280	426	7240	1.45	KF 47 R37 D63S4
3.7	235	375	7560	1.70	KA 47 R37 D63S4
4.2	215	327	7670	1.85	KAF 47 R37 D63S4
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	
6.2	184	144.79	13000	4.4	K 67 D63M6
					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	K 57 D63S4
11	103	123.85	9920	5.8	KF 57 D63S4
13	90	108.29	9950	6.7	KA 57 D63S4
13	85	102.88	9960	7.0	KAF 57 D63S4
15	75	90.26	9990	8.0	
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 T_a [N·m]	Ratio i	Permitted overhung load FR2 [N]	Service factor fB		Model
0.12kW						
8.5	136	106.38	6230	1.50	K	37 D63M6
9.2	125	97.81	6300	1.60	KF	37 D63M6
11	107	83.69	6410	1.90	KA	37 D63M6
12	92	72.54	6480	2.2	KAF	37 D63M6
13	88	106.38	6500	2.3		
14	81	97.81	6530	2.5		
16	70	83.69	6570	2.9		
19	60	72.54	6600	3.3		
20	56	67.80	6610	3.5		
24	49	58.60	6430	4.1		
28	41	49.79	6130	4.8		
31	37	44.46	5930	5.4		
36	32	37.97	5660	6.3	K	37 D63S4
39	30	35.57	5550	6.8	KF	37 D63S4
46	25	29.96	5270	8.0	KA	37 D63S4
48	24	28.83	5210	8.4	KAF	37 D63S4
55	21	24.99	4980	9.6		
59	19	23.36	4880	10		
68	17	20.19	4660	11		
80	14	17.15	4430	13		
90	13	15.31	4280	14		
105	11	13.08	4070	15		
114	10	12.14	3970	16		
0.18kW						
0.09	16300	14975	73200	0.80		
0.11	13400	12440	79000	0.95		
0.12	11600	10915	79900	1.10		
0.13	10500	9819	80400	1.25	K	127R77 D63M4
0.16	8850	8443	81100	1.45	KF	127R77 D63M4
0.18	8040	7482	81400	1.60	KA	127R77 D63M4
0.20	6990	6565	81800	1.85	KAF	127R77 D63M4
0.23	5940	5804	82100	2.2		
0.26	5220	5027	82300	2.5		
0.30	4530	4423	82400	2.9		
0.34	3960	3889	82500	3.3		
0.40	3310	3311	82600	3.9		
0.16	8990	8328	65000	0.90		
0.18	7850	7270	65000	1.00		
0.21	6420	6184	65000	1.25	K	107R77 D63M4
0.23	5760	5662	65000	1.40	KF	107R77 D63M4
0.26	5230	5138	65000	1.55	KA	107R77 D63M4
0.30	4570	4359	65000	1.75	KAF	107R77 D63M4
0.35	4000	3810	65000	2.0		
0.39	3440	3358	65000	2.3		
0.44	3090	2977	65000	2.6		
0.51	2700	2599	65000	3.0		
0.58	2340	2286	65000	3.4		
0.28	4960	4669	39900	0.85	K	97 R57 D63M4
0.32	4390	4082	40000	1.00	KF	97 R57 D63M4
0.37	3860	3583	40000	1.10	KA	97 R57 D63M4
0.42	3370	3108	40000	1.25	KAF	97 R57 D63M4
0.48	2910	2757	40000	1.50		
0.55	2640	2419	40000	1.65		
0.62	2290	2123	40000	1.90		
0.71	2030	1856	40000	2.1		
0.81	1710	1625	40000	2.5	K	97 R57 D63M4
0.92	1490	1430	40000	2.9	KF	97 R57 D63M4
1.0	1380	1261	40000	3.1	KA	97 R57 D63M4
1.2	1210	1102	40000	3.6	KAF	97 R57 D63M4
1.4	1040	957	40000	4.1		
1.5	930	855	40000	4.6		
1.8	755	743	40000	5.7		
2.0	675	652	40000	6.4		
0.42	3330	3107	26400	0.80	K	87 R57 D63M4
0.48	2880	2728	27100	0.95	KF	87 R57 D63M4
0.56	2520	2371	27500	1.05	KA	87 R57 D63M4
					KAF	87 R57 D63M4

Output speed n_2 [r/min]	Output torque T_a [N·m]	Ratio i	Permitted overhung load FR2 [N]	Service factor fB		Model
0.18kW						
0.63	2290	2088	27800	1.20		
0.71	2030	1854	28000	1.35		
0.80	1820	1657	28200	1.50		
0.93	1540	1415	28400	1.75	K	87R57 D63M4
1.1	1340	1229	28600	2.0	KF	87R57 D63M4
1.2	1160	1078	28700	2.3	KA	87R57 D63M4
1.4	1000	951	28800	2.7	KAF	87R57 D63M4
1.6	870	837	28800	3.1		
1.8	755	726	28900	3.6		
0.87	1670	1514	14500	0.95		
0.95	1530	1388	15500	1.00		
1.1	1340	1218	16700	1.15		
1.2	1170	1053	17600	1.35		
1.4	1030	924	18200	1.50	K	77R37 D63M4
1.6	910	815	18700	1.70	KF	77R37 D63M4
1.9	750	709	19100	2.1	KA	77R37 D63M4
2.1	655	622	19400	2.4	KAF	77R37 D63M4
2.4	590	552	19500	2.6		
2.7	515	485	19700	3.0		
3.1	455	428	19800	3.4		
3.6	400	367	19900	3.9		
1.5	980	903	5660	0.85		
1.7	890	793	9620	0.90		
1.9	745	697	10900	1.10		
2.2	655	613	11600	1.25	K	67R37 D63M4
2.4	580	542	12000	1.40	KF	67R37 D63M4
2.8	520	471	12300	1.60	KA	67R37 D63M4
3.2	445	420	12600	1.85	KAF	67R37 D63M4
3.7	395	361	12800	2.1		
4.1	350	323	13000	2.3		
4.7	295	279	13000	2.8		
2.2	660	615	5580	0.90		
2.4	580	544	7800	1.05		
2.8	515	473	8300	1.15		
3.1	450	421	8670	1.35	K	57R37 D63M4
3.6	395	362	8900	1.50	KF	57R37 D63M4
4.1	350	319	9100	1.75	KA	57R37 D63M4
4.7	300	280	9290	2.0	KAF	57R37 D63M4
5.4	260	246	9420	2.3		
6.1	230	215	9540	2.6		
6.9	205	192	9610	2.9		
7.9	178	166	9700	3.4		
3.5	400	375	5930	1.00		
4.0	360	327	6440	1.10		
4.6	315	289	6920	1.25	K	47R37 D63M4
5.2	275	256	7290	1.45	KF	47R37 D63M4
5.9	245	225	7500	1.65	KA	47R37 D63M4
6.7	210	198	7710	1.90	KAF	47R37 D63M4
7.7	183	171	7860	2.2		
8.6	164	153	7950	2.4		
10	142	131	8040	2.8		
6.4	225	205	5300	0.90	K	37R17 D63M4
7.3	199	181	5650	1.00	KF	37R17 D63M4
8.2	175	160	5900	1.15	KA	37R17 D63M4
9.7	148	136	6140	1.35	KAF	37R17 D63M4
10	140	127	6200	1.45		
6.0	285	144.79	13000	2.9	K	67 D63L6
7.0	245	123.54	13000	3.4	KF	67 D63L6
8.1	215	108.03	13000	3.8	KA	67 D63L6
8.5	205	102.62	13000	4.0	KAF	67 D63L6
9.1	189	144.79	13000	4.3	K	67 D63M4
11	161	123.54	13000	5.1	KF	67 D63M4
12	141	108.03	13000	5.8	KA	67 D63M4
					KAF	67 D63M4

Output speed n_2 [r/min]	Output torque T_a [N·m]	Ratio i	Permitted overhung load FR2 [N]	Service factor fB		Model
0.18kW						
6.0	285	145.14	9340	2.1	K	57 D63L6
7.0	245	123.85	9480	2.5	KF	57 D63L6
8.0	215	108.29	9590	2.8	KA	57 D63L6
8.5	205	102.88	9620	3.0	KAF	57 D63L6
9.6	178	90.26	9700	3.4		
9.1	189	145.14	9670	3.2		
11	161	123.85	9750	3.7	K	57 D63M4
12	141	108.29	9810	4.3	KF	57 D63M4
13	134	102.88	9830	4.5	KA	57 D63M4
15	118	90.26	9880	5.1	KAF	57 D63M4
17	100	76.56	9920	6.0		
6.6	260	131.87	7380	1.55	K	47 D63L6
7.2	240	121.48	7530	1.65	KF	47 D63L6
8.3	205	104.37	7740	1.95	KA	47 D63L6
9.6	180	90.86	7880	2.2	KAF	47 D63L6
10	168	85.12	7930	2.4		
10	172	131.87	7910	2.3		
11	158	121.48	7970	2.5	K	47 D63M4
13	136	104.37	8060	2.9	KF	47 D63M4
15	118	90.86	8120	3.4	KA	47 D63M4
16	111	85.12	8140	3.6	KAF	47 D63M4
8.2	210	106.38	5520	0.95	K	37 D63L6
8.9	193	97.81	5710	1.05	KF	37 D63L6
10	165	83.69	5990	1.20	KA	37 D63L6
12	143	72.54	6170	1.40	KAF	37 D63L6
12	139	106.38	6210	1.45		
14	127	97.81	6280	1.55		
16	109	83.69	6400	1.85		
18	95	72.54	6470	2.1		
19	88	67.80	6500	2.3		
23	76	58.60	6280	2.6		
27	65	49.79	6010	3.1		
30	58	44.46	5830	3.5		
35	49	37.97	5580	4.1		
37	46	35.57	5480	4.3	K	37 D63M4
44	39	29.96	5220	5.1	KF	37 D63M4
46	38	28.83	5160	5.3	KA	37 D63M4
53	33	24.99	4950	6.2	KAF	37 D63M4
57	30	23.36	4850	6.4		
65	26	20.19	4650	7.0		
77	22	17.15	4430	8.1		
86	20	15.31	4280	8.8		
101	17	13.08	4080	9.7		
109	16	12.14	3980	10		
126	14	10.49	3810	12		
148	12	8.91	3620	14		
166	10	7.96	3490	15		
0.13	15300	9819	75300	0.85		
0.15	13000	8443	79200	1.00		
0.17	11700	7482	79900	1.10	K	127 R77 D63L4
0.20	10200	6565	80600	1.30	KF	127 R77 D63L4
0.22	8770	5804	81200	1.50		

Output speed n_2 [r/min]	Output torque T_a [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		
11	225	121.48	7640	1.80	K	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 T_a [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		
0.24	12600	5804	79400	1.05	K	127 R77 D71D4
0.27	11000	5027	80200	1.20	KF	127 R77 D71D4
0.31	9610	4423	80800	1.35	KA	127 R77 D71D4
0.35	8430	3889	81300	1.55	KAF	127 R77 D71D4
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
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 T_a [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		
3.2	950	428	18500	1.60	K	77R37 D71D4
3.8	830	367	18900	1.85	KF	77R37 D71D4
4.2	735	328	19200	2.1	KA	77R37 D71D4
4.8	655	290	19400	2.4	KAF	77R37 D71D4
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	67R37 D71D4
5.6	550	246	12200	1.50	KF	67R37 D71D4
6.3	485	217	12500	1.70	KA	67R37 D71D4
7.2	430	191	12700	1.90	KAF	67R37 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		
7.2	430	192	8750	1.40	K	57R37 D71D4
8.3	370	166	9000	1.60	KF	57R37 D71D4
9.6	325	145	9200	1.85	KA	57R37 D71D4
11	290	129	9320	2.1	KAF	57R37 D71D4
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
4.6	775	197.37	28900	3.5	KAF	87 D80K6
5.2	685	174.19	28900	4.0	K	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
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
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	K	67 D71D4
11	315	123.54	13000	2.6	KF	67 D71D4
13	275	108.03	13000	3.0	KA	67 D71D4
15	230	90.04	13000	3.6	KAF	67 D71D4
18	196	76.37	13000	4.2		

Output speed n ₂ [r/min]	Output torque T _a [N·m]	Ratio i	Permitted overhung load FR2 [N]	Service factor f _B	Model
0.55kW					
0.20	22400	6881	109700	0.80	K 157R97 D80K4
0.23	19300	5931	111500	0.95	KF 157R97 D80K4
0.34	13000	3979	114400	1.40	KA 157R97 D80K4
0.45	9940	3051	115300	1.80	KAF 157R97 D80K4
0.31	14900	4423	76200	0.85	K 127R77 D80K4
0.35	13000	3889	79200	1.00	KF 127R77 D80K4
0.41	11100	3311	80200	1.20	KA 127R77 D80K4
0.45	10000	3009	80700	1.30	KAF 127R77 D80K4
0.52	8630	2607	81200	1.50	
0.71	6560	1926	81900	2.0	K 127R77 D80K4
0.77	5980	1757	82100	2.2	KF 127R77 D80K4
0.88	5220	1541	82300	2.5	KA 127R77 D80K4
1.0	4570	1342	82400	2.8	KAF 127R77 D80K4
1.2	3990	1177	82500	3.3	
1.3	3490	1025	82600	3.7	
0.46	10100	2977	65000	0.80	K 107R77 D80K4
0.52	8770	2599	65000	0.90	KF 107R77 D80K4
0.59	7690	2286	65000	1.05	KA 107R77 D80K4
0.70	6520	1939	65000	1.25	KAF 107R77 D80K4
0.79	5850	1713	65000	1.35	
0.87	5310	1554	65000	1.50	
1.0	4570	1336	65000	1.75	K 107R77 D80K4
1.2	3990	1166	65000	2.0	KF 107R77 D80K4
1.3	3450	1030	65000	2.3	KA 107R77 D80K4
1.5	3000	904	65000	2.7	KAF 107R77 D80K4
1.7	2700	793	65000	3.0	
2.0	2360	696	65000	3.4	
2.2	2050	615	65000	3.9	
0.95	4880	1430	40000	0.90	
1.1	4380	1261	40000	1.00	
1.2	3820	1102	40000	1.15	
1.4	3320	957	40000	1.30	K 97 R57 D80K4
1.6	2960	855	40000	1.45	KF 97 R57 D80K4
1.8	2520	743	40000	1.70	KA 97 R57 D80K4
2.1	2220	652	40000	1.95	KAF 97 R57 D80K4
2.4	1970	573	40000	2.2	
2.7	1700	504	40000	2.5	
3.1	1470	437	40000	2.9	
3.6	1300	382	40000	3.3	
4.5	1040	305	40000	4.1	
1.4	3260	951	26500	0.85	
1.6	2860	837	27100	0.95	
1.9	2480	726	27600	1.10	
2.1	2190	638	27900	1.25	
2.4	1920	562	28100	1.40	K 87 R57 D80K4
2.9	1620	474	28400	1.65	KF 87 R57 D80K4
3.2	1450	426	28500	1.85	KA 87 R57 D80K4
3.7	1260	373	28600	2.1	KAF 87 R57 D80K4
4.1	1110	330	28700	2.4	
4.6	990	294	28800	2.7	
5.4	850	250	28900	3.2	
5.8	800	236	28900	3.4	
6.8	680	201	28900	4.0	
2.5	1900	552	5780	0.80	
2.8	1670	485	14500	0.95	
3.2	1470	428	15900	1.05	
3.7	1270	367	17100	1.20	K 77 R37 D80K4
4.2	1130	328	17800	1.35	KF 77 R37 D80K4
4.7	1000	290	18300	1.55	KA 77 R37 D80K4
5.4	870	252	18800	1.80	KAF 77 R37 D80K4
6.2	760	221	19100	2.0	
7.0	670	195	19300	2.3	
7.8	600	175	19500	2.6	
8.8	530	154	19600	2.9	

Output speed n ₂ [r/min]	Output torque T _a [N·m]	Ratio i	Permitted overhung load FR2 [N]	Service factor f _B	Model
0.55kW					
4.9	960	279	7360	0.85	
5.5	840	246	10100	0.95	
6.2	745	217	10900	1.10	K 67R37 D80K4
7.1	660	191	11500	1.25	KF 67R37 D80K4
8.2	570	166	12100	1.45	KA 67R37 D80K4
9.4	495	144	12400	1.65	KAF 67R37 D80K4
11	420	122	12700	1.95	
7.1	660	192	5180	0.90	
8.2	575	166	7850	1.05	K 57R37 D80K4
9.4	495	145	8430	1.20	KF 57R37 D80K4
11	445	129	8680	1.35	KA 57R37 D80K4
12	380	111	8970	1.60	KAF 57R37 D80K4
14	335	97	9150	1.80	
3.9	1350	174.19	28600	2.0	K 87 D90L8
4.1	1270	164.34	28600	2.1	KF 87 D90L8
4.6	1140	147.32	28700	2.4	KA 87 D90L8
					KAF 87 D90L8
4.6	1150	197.37	28700	2.3	K 87 D80N6
5.2	1020	174.19	28800	2.7	KF 87 D80N6
5.5	960	164.34	28800	2.8	KA 87 D80N6
6.1	860	147.32	28900	3.1	KAF 87 D80N6
5.0	1040	135.28	18100	1.50	K 77 D90L8
5.3	990	128.52	18300	1.55	KF 77 D90L8
6.0	880	113.56	18700	1.75	KA 77 D90L8
7.0	750	97.05	19100	2.1	KAF 77 D90L8
5.8	900	154.02	18700	1.70	K 77 D80N6
6.7	790	135.28	19000	1.95	KF 77 D80N6
7.0	750	128.52	19100	2.1	KA 77 D80N6
7.9	665	113.56	19400	2.3	KAF 77 D80N6
8.8	595	154.02	19500	2.6	K 77 D80K4
10	520	135.28	19700	3.0	KF 77 D80K4
11	495	128.52	19700	3.1	KA 77 D80K4
12	440	113.56	19800	3.5	KAF 77 D80K4
14	375	97.05	19900	4.1	
7.3	720	123.54	11100	1.15	K 67 D80N6
8.3	630	108.03	11700	1.30	KF 67 D80N6
8.8	600	102.62	11900	1.35	KA 67 D80N6
10	525	90.04	12300	1.55	KAF 67 D80N6
12	445	76.37	12600	1.85	
11	475	123.54	12500	1.70	K 67 D80K4
13	415	108.03	12800	1.95	KF 67 D80K4
15	350	90.04	13000	2.4	KA 67 D80K4
18	295	76.37	13000	2.8	KAF 67 D80K4
8.3	630	108.29	7360	0.95	
8.8	600	102.88	7630	1.00	
10	525	90.26	8220	1.15	K 57 D80N6
12	445	76.56	8670	1.35	KF 57 D80N6
13	405	69.12	8870	1.50	KA 57 D80N6
15	355	60.81	9070	1.70	KAF 57 D80N6
16	335	57.42	9150	1.80	
11	480	123.85	8520	1.25	
13	420	108.29	8800	1.45	
13	395	102.88	8890	1.50	K 57 D80K4
15	350	90.26	9100	1.70	KF 57 D80K4
18	295	76.56	9300	2.0	KA 57 D80K4
20	265	69.12	9410	2.2	KAF 57 D80K4
22	235	60.81	9520	2.6	
24	220	57.42	9560	2.7	
13	405	104.37	5880	1.00	
15	350	90.86	6550	1.15	K 47 D80K4
16	330	85.12	6790	1.20	KF 47 D80K4
18	290	75.20	7150	1.40	KA 47 D80K4
19	270	69.84	7310	1.50	KAF 47 D80K4

Output speed n ₂ [r/min]	Output torque T _a [N·m]	Ratio i	Permitted overhung load FR2 [N]	Service factor f _B	Model
0.55kW					
21	245	63.30	7500	1.65	K 47 D80K4
24	220	56.83	7660	1.80	KF 47 D80K4
28	189	48.95	7830	2.1	KA 47 D80K4
30	178	46.03	7880	2.2	KAF 47 D80K4
23	225	58.60	4850	0.90	
27	192	49.79	4790	1.05	
31	172	44.46	4740	1.15	
36	147	37.97	4640	1.35	
38	137	35.57	4600	1.45	
45	116	29.96	4470	1.75	
47	111	28.83	4440	1.80	
54	97	24.99	4320	2.1	K 37 D80K4
58	90	23.36	4260	2.2	KF 37 D80K4
67	78	20.19	4130	2.4	KA 37 D80K4
79	66	17.15	3980	2.7	KAF 37 D80K4
89	59	15.31	3880	3.0	
104	51	13.08	3730	3.3	
112	47	12.14	3660	3.4	
130	41	10.49	3520	4.0	
153	34	8.91	3370	4.7	
171	31	7.96	3270	5.1	
200	26	6.80	3130	5.7	
214	25	6.37	3070	5.9	
254	21	5.36	2920	6.8	
0.75kW					
0.11	58400	13116	175300	0.85	
0.12	51500	11647	187300	0.95	
0.19	32800	7343	190000	1.50	K 187 R97 D80N4
1.20	30000	6747	190000	1.65	
0.23	26500	5991	190000	1.90	
0.16	38600	8628	150000	0.85	
0.21	29300	6562	150000	1.10	
0.26	23700	5355	150000	1.35	K 167 R97 D80N4
0.34	18200	4079	150000	1.75	
0.41	15100	3376	150000	2.1	
0.35	17800	3979	112300	1.00	K 157 R97 D80N4
0.45	13600	3051	114100	1.30	KF 157 R97 D80N4
					KA 157 R97 D80N4
					KAF 157 R97 D80N4
0.83	7440	1659	115900	2.4	K 157 R97 D80N4
1.0	6040	1365	116200	3.0	KF 157 R97 D80N4
					KA 157 R97 D80N4
					KAF 157 R97 D80N4
0.42	15100	3311	75800	0.85	K 127 R77 D80N4
0.46	13700	3009	78600	0.95	KF 127 R77 D80N4
0.53	11800	2607	79800	1.10	KA 127 R77 D80N4
					KAF 127 R77 D80N4
0.72	8930	1926	81100	1.45	
0.79	8150	1757	81400	1.60	K 127 R77 D80N4
0.90	7120	1541	81700	1.85	KF 127 R77 D80N4
1.0	6220	1342	82000	2.1	KA 127 R77 D80N4
1.2	5440	1177	82200	2.4	KAF 127 R77 D80N4
1.4	4750	1025	82400	2.7	
1.5	4150	899	82500	3.1	
0.81	7960	1713	65000	1.00	
0.89	7230	1554	65000	1.10	
1.0	6210	1336	65000	1.30	K 107 R77 D80N4
1.2	5420	1166	65000	1.50	KF 107 R77 D80N4
1.3	4710	1030	65000	1.70	KA 107 R77 D80N4
1.5	4120	904	65000	1.95	KAF 107 R77 D80N4
1.7	3680	793	65000	2.2	
2.0	3210	696	65000	2.5	
2.2	2800	615	65000	2.8	

Output speed n ₂ [r/min]	Output torque T _a [N·m]	Ratio i	Permitted overhung load FR2 [N]	Service factor f _B	Model
0.75kW					
1.2	5180	1102	39700	0.85	
1.4	4490	957	40000	0.95	
1.6	4020	855	40000	1.05	
1.9	3430	743	40000	1.25	
2.1	3020	652	40000	1.40	K 97R57 D80N4
2.4	2680	573	40000	1.60	KF 97R57 D80N4
2.7	2320	504	40000	1.85	KA 97R57 D80N4
3.2					

Output speed n ₂ [r/min]	Output torque T _a [N·m]	Ratio i	Permitted overhung load FR2 [N]	Service factor f _B	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 T _a [N·m]	Ratio i	Permitted overhung load FR2 [N]	Service factor f _B	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		
1.2	7960	1177	81500	1.65	K	127R77 D90S4
1.4	6950	1025	81800	1.85	KF	127R77 D90S4
1.6	6080	899	82000	2.1	KA	127R77 D90S4
1.8	5270	790	82200	2.5	KAF	127R77 D90S4
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	97 R57 D90S4
2.4	3910	573	40000	1.10	KF	97 R57 D90S4
2.8	3400	504	40000	1.25	KA	97 R57 D90S4
3.2	2940	437	40000	1.45	KAF	97 R57 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	87 R57 D90S4
4.2	2230	330	27800	1.20	KF	87 R57 D90S4
4.8	1980	294	28100	1.35	KA	87 R57 D90S4
5.6	1700	250	28300	1.60	KAF	87 R57 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 T _a [N·m]	Ratio i	Permitted overhung load FR2 [N]	Service factor f _B	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 T _a [N·m]	Ratio i	Permitted overhung load FR2 [N]	Service factor f _B	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</			

Output speed n_2 [r/min]	Output torque T_a [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
2.3	5640	615	65000	1.40	KF
2.7	4780	522	65000	1.65	KA
3.1	4210	461	65000	1.90	KAF
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
3.7	3540	382	40000	1.20	KF
4.1	3140	342	40000	1.35	KA
4.6	2820	305	40000	1.50	KAF
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
5.6	2310	250	27700	1.15	KF
6.0	2180	236	27900	1.25	KA
7.0	1860	201	28200	1.45	KAF
7.7	1690	183	28300	1.60	
4.9	2940	143.47	65000	2.7	K
5.8	2490	121.46	65000	3.2	KF
6.2	2300	112.41	65000	3.5	KA
4.6	3140	153.21	40000	1.35	K
5.0	2870	140.28	40000	1.50	KF
5.7	2540	123.93	40000	1.70	KA
5.2	2740	176.05	40000	1.55	K
6.0	2390	153.21	40000	1.80	KF
6.6	2180	140.28	40000	1.95	KA
7.4	1930	123.93	40000	2.2	KAF
8.0	1790	176.05	40000	2.4	K
9.2	1560	153.21	40000	2.8	KF
10	1430	140.28	40000	3.0	KA
11	1260	123.93	40000	3.4	KAF
6.2	2290	147.32	27800	1.20	K
7.2	1980	126.91	28100	1.35	KF
7.9	1800	115.82	28200	1.50	KA
9.0	1600	102.71	28400	1.70	KAF
8.1	1770	174.19	28300	1.55	
8.6	1670	164.34	28300	1.60	K
9.6	1500	147.32	28500	1.80	KF
11	1290	126.91	28600	2.1	KA
12	1180	115.82	28700	2.3	KAF
14	1040	102.71	28800	2.6	
16	880	86.34	28800	3.1	
8.1	1770	113.56	13600	0.90	K
9.5	1510	97.05	15700	1.05	KF
10	1390	88.97	16400	1.10	KA
12	1220	78.07	17400	1.30	KAF
10	1370	135.28	16500	1.15	K
11	1310	128.52	16900	1.20	KF
12	1150	113.56	17700	1.35	KA
15	990	97.05	18400	1.55	KAF
16	900	88.97	18700	1.70	

Output speed n_2 [r/min]	Output torque T_a [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
24	595	58.34	19500	2.6	KF
28	520	51.18	19700	3.0	KA
31	460	45.16	19800	3.4	KAF
35	405	40.04	19800	3.8	
16	910	90.04	9370	0.90	
18	775	76.37	10700	1.05	K
20	700	68.95	11300	1.15	KF
23	615	60.66	11800	1.35	KA
25	580	57.28	12000	1.40	KAF
29	495	48.77	12400	1.65	
32	450	44.32	12600	1.80	
37	390	38.39	12800	2.0	K
40	360	35.62	12900	2.3	KF
47	305	30.22	13000	2.7	KA
52	275	27.28	13000	3.0	KAF
59	245	24.00	13000	3.3	
23	620	60.81	7480	0.95	K
25	685	57.42	7770	1.05	KF
29	495	48.89	8430	1.20	KA
32	450	44.43	8650	1.35	KAF
37	390	38.49	8920	1.55	
39	365	35.70	9040	1.65	
47	310	30.28	9190	1.95	K
52	280	27.34	9010	2.2	KF
59	245	24.05	8780	2.5	KA
62	230	22.71	8670	2.6	KAF
73	196	19.34	8360	2.9	
36	400	39.61	5890	1.00	K
40	360	35.39	6360	1.10	KF
45	320	31.30	6310	1.25	KA
48	300	29.32	6270	1.35	KAF
54	265	25.91	6190	1.50	
65	220	21.81	6050	1.80	K
72	199	19.58	5950	2.0	KF
84	171	16.86	5800	2.2	KA
89	161	15.86	5730	2.4	KAF
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	
108	133	13.08	2930	1.25	K
116	123	12.14	2920	1.30	KF
134	107	10.49	2880	1.50	KA
158	91	8.91	2820	1.75	KAF
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
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
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
0.62	29800	2263	150000	1.05	

Output speed n_2 [r/min]	Output torque T_a [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
1.1	17400	1296	150000	1.85	KF
1.3	14700	1101	150000	2.2	KA
1.5	12600	944	150000	2.5	KAF
0.85	22400	1659	109700	0.80	
1.0	18300	1365	112000	1.00	K
1.1	16500	1229	112900	1.10	KF
1.3	14600	1093	113700	1.25	KA
1.5	12600	942	114500	1.45	KAF
1.6	11400	854	114900	1.60	
1.9	9990	756	115300	1.80	
2.6	7180	536	81700	1.80	K
3.0	6310	473	82000	2.1	KF
3.4	5600	418	82200	2.3	KA
3.8	4950	367	82300	2.6	KAF
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
2.0	9580	704	80900	1.35	KF
2.3	8280	610	81400	1.55	KA
2.6	7460	549	81600	1.75	KAF
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
3.5	5520	408	65000	1.45	KF
3.9	4940	364	65000	1.60	KA
4.4	4320	318	65000	1.85	KAF
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
4.6	4170	305	40000	1.05	KF
5.5	3510	258	40000	1.20	KA
6.1	3160	232	40000	1.35	KAF
7.1	2710	199	40000	1.60	
4.9	4310	143.47	65000	1.85	K
5.8	3650	121.46	65000	2.2	KF
6.2	3370	112.41	65000	2.4	KA
6.9	3020	100.75	65000	2.7	KAF
6.1	3420	153.21	40000	1.25	K
6.7	3140	140.28	40000	1.35	KF
7.6	2770	123.93	40000	1.55	KA
8.9	2350	105.13	40000	1.85	KAF
8.0	2620	176.05	40000	1.65	K
9.2	2280	153.21	40000	1.90	KF
10	2090	140.28	40000	2.1	KA
11	1850	123.93	40000	2.3	KAF
13	1570	105.13	40000	2.8	K
15	1440	96.80	40000	3.0	KF
9.6	2200	147.32	27900	1.25	K
11	1890	126.91	28200	1.45	KF
12	1730	115.82	28300	1.55	KA
14	1530	102.71	28500	1.75	K
16	1290	86.34	28600	2.1	KF
18	1180	79.34	28700	2.3	KA
20	1050	70.46	28800	2.6	KAF
22	940	63.00	28800	2.9	

Output speed n_2 [r/min]	Output torque T_a [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
16	1330	88.97	16800	1.15	KF
18	1160	78.07	17600	1.35	KA
19	1100	73.99	17900	1.40	KAF
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
35	595	40.04	19500	2.6	KF
40	525	35.20	19700	3.0	KA
46	460	30.89	19800	3.4	KAF
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
29	725	48.77	11100	1.15	KF
32	660	44.32	11500	1.25	KA
37	570	38.39	12100	1.40	KAF
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

Output speed n ₂ [r/min]	Output torque T _a [N·m]	Ratio i	Permitted overhung load FR2 [N]	Service factor f _B	Model	
3.0kW						
0.46	57100	3062	177600	0.90	K 187R97 D100L4	
0.56	46800	2519	190000	1.05		
0.62	42100	2268	190000	1.20		
0.68	38000	2054	190000	1.30		
0.77	33600	1821	190000	1.50		
0.87	29700	1605	190000	1.70		
1.0	25600	1395	190000	1.95		
1.2	22100	1196	190000	2.3		
0.82	31700	1704	150000	1.00		K 167R97 D100L4
0.99	26200	1408	150000	1.20		
1.1	24100	1296	150000	1.35		
1.3	20300	1101	150000	1.55		
1.5	17500	944	150000	1.85		
1.7	15500	843	150000	2.1		
1.9	14000	757	150000	2.3		
1.1	22800	1229	109400	0.80	K 157R97 D100L4	
1.3	20300	1093	111000	0.90		
1.5	17500	942	112400	1.05		
1.6	15800	854	113200	1.15		
1.9	13900	756	114000	1.30		
2.5	10500	567	115200	1.70		
2.8	9310	504	115500	1.95		
2.6	9940	536	80700	1.30		K 127R87 D100L4
3.0	8750	473	81200	1.50		
3.3	7760	418	81500	1.70		
3.8	6840	367	81800	1.90		
4.2	6140	330	82000	2.1		
4.9	5300	287	82200	2.5		
1.8	14800	790	76500	0.90	K 127R77 D100L4	
2.0	13200	704	79100	1.00		
2.3	11400	610	80000	1.15		
2.5	10300	549	80600	1.25		
2.9	8920	477	81100	1.45		
3.3	7840	418	81500	1.65		
3.0	8610	461	65000	0.95		K 107R77 D100L4
3.4	7620	408	65000	1.05		
3.8	6820	364	65000	1.15		
4.4	5960	318	65000	1.35		
4.9	5370	286	65000	1.50		
5.6	4700	251	65000	1.70		
6.3	4150	222	65000	1.95		
7.1	3670	196	65000	2.2		
8.1	3250	174	65000	2.2		
9.1	2880	154	65000	2.5		
10	2610	140	65000	2.8		
5.4	4840	258	40000	0.90	K 97 R57 D100L4	
6.0	4360	232	40000	1.00		
7.0	3740	199	40000	1.15		
5.0	5710	143.47	65000	1.40	K 107 D132M8	
5.9	4830	121.46	65000	1.65		
6.4	4470	112.41	65000	1.80		
7.2	4010	100.75	65000	2.0		
7.9	3620	90.96	65000	2.2		
6.6	4370	143.47	65000	1.85		K 107 D132S6
7.7	3700	121.46	65000	2.2		
8.4	3430	112.41	65000	2.3		
9.3	3070	100.75	65000	2.6		
9.8	2940	143.47	65000	2.7	K 107 D100L4	
12	2490	121.46	65000	3.2		
7.6	3780	123.93	40000	1.15		K 97 D132S6
8.9	3200	105.13	40000	1.35		
9.7	2950	96.80	40000	1.45		
11	2640	86.52	40000	1.65		

Output speed n ₂ [r/min]	Output torque T _a [N·m]	Ratio i	Permitted overhung load FR2 [N]	Service factor f _B	Model	
3.0kW						
7.9	3600	176.05	40000	1.20	K 97 D100L4	
9.1	3140	153.21	40000	1.35	KF 97 D100L4	
10	2870	140.28	40000	1.50	KA 97 D100L4	
11	2540	123.93	40000	1.70	KAF 97 D100L4	
13	2150	105.13	40000	2.0	K 97 D100L4	
14	1980	96.80	40000	2.2		
16	1770	86.52	40000	2.4		
18	1590	77.89	40000	2.7		
20	1440	70.54	40000	3.0		
22	1280	62.55	40000	3.4		
25	1160	56.55	40000	3.7		
9.5	3010	147.32	26900	0.90		K 87 D100L4
11	2600	126.91	27400	1.05		KF 87 D100L4
12	2370	115.82	27700	1.15		KA 87 D100L4
14	2100	102.71	28000	1.30	KAF 87 D100L4	
16	1770	86.34	28300	1.55	K 87 D100L4	
18	1620	79.34	28400	1.65		
20	1440	70.46	28500	1.85		
22	1290	63.00	28600	2.1		
25	1160	56.64	28700	2.3		
28	1010	49.16	28800	2.7		
32	900	44.02	28800	2.9		
38	745	36.52	28400	3.3		
16	1820	88.97	13100	0.85		K 77 D100L4
18	1600	78.07	15000	0.95		
19	1510	73.99	15600	1.00		
22	1330	64.75	16800	1.15		
24	1190	58.34	17500	1.30		
27	1050	51.18	18100	1.50		
31	920	45.16	18600	1.70	K 77 D100L4	
35	820	40.04	18900	1.90		
40	720	35.20	19200	2.2		
45	630	30.89	19400	2.5		
32	910	44.32	9450	0.90		K 67 D100L4
36	785	38.39	10600	1.00		
39	730	35.62	11100	1.15		
46	620	30.22	11800	1.35		
51	560	27.28	12100	1.45		
58	490	24.00	12500	1.65		
62	465	22.66	12600	1.70	K 67 D100L4	
73	395	19.30	12800	1.95		
80	360	17.54	13000	2.1		
92	310	15.19	13000	2.2		
106	270	13.22	13000	2.5		
112	255	12.48	13000	2.1		
132	220	10.63	13000	2.3		
145	198	9.66	13000	2.4		
46	620	30.28	7180	0.95		K 57 D100L4
51	560	27.34	7190	1.05		
58	490	24.05	7180	1.20		
62	465	22.71	7160	1.30		K 57 D100L4
72	395	19.34	7080	1.45		
80	360	17.57	7020	1.55		
92	310	15.22	6890	1.70		
106	270	13.25	6750	1.90		
117	245	19.92	6420	1.70		
124	230	11.26	6370	1.80		
146	196	9.59	6200	2.1		
161	178	8.71	6090	2.2		
186	154	7.55	5920	2.4		
213	134	6.57	5750	2.6		
72	400	19.58	4430	1.00	K 47 D100L4	
83	345	16.86	4490	1.10		
88	325	15.86	4500	1.15		

Output speed n ₂ [r/min]	Output torque T _a [N·m]	Ratio i	Permitted overhung load FR2 [N]	Service factor f _B	Model		
3.0kW							
103	280	13.65	4510	1.30	K 47 D100L4		
115	250	12.19	4490	1.40			
119	240	11.77	4370	1.15			
133	215	10.56	4350	1.30			
154	186	9.10	4290	1.50			
164	175	8.56	4270	1.55			
190	151	7.36	4190	1.65			
213	135	6.58	4120	1.80			
241	119	5.81	4030	1.95			
157	182	8.91	2000	0.90		K 37 D100L4	
176	163	7.96	2040	0.95			
206	139	6.80	2080	1.10			
220	130	6.37	2080	1.10			
261	110	5.36	2090	1.30			
1.7	20300	835	190000	2.5			K 187R107D112M4
2.7	12600	520	190000	4.0			
0.56	61900	2519	168800	0.80	K 187R97 D112M4		
0.63	55600	2268	180200	0.90			
0.69	50300	2054	189400	1.00			
0.78	44500	1821	190000	1.10			
0.88	39300	1605	190000	1.25			
1.0	34000	1395	190000	1.45			
1.2	29200	1196	190000	1.70			
1.4	25600	1046	190000	1.95			
1.5	23100	945	190000	2.2			
1.0	34600	1408	150000	0.90		K 167R97 D112M4	
1.1	31900	1296	150000	1.00			
1.3	26900	1101	150000	1.20			
1.5	23100	944	150000	1.40			
1.7	20500	843	150000	1.55			
1.9	18500	757	150000	1.75			
2.2	15400	632	150000	2.1			
1.7	20900	854	110600	0.85	K 157R97 D112M4		
1.9	18400	756	112000	1.00			
2.5	13800	567	114000	1.30			
2.8	12300	504	114600	1.45			
3.3	10600	434	115100	1.70			
2.7	13100	536	79100	1.00	K 127R87 D112M4		
3.0	11600	473	79900	1.10			
3.4	10300	418	80600	1.25			
3.9	9040	367	81100	1.45			
4.3	8120	330	81400	1.60			
5.0	7010	287	81800	1.85			
5.6	6200	253	82000	2.1			
2.3	15100	610	75800	0.85		K 127R77 D112M4	
2.6	13600	549	78800	0.95			
3.0	11800	477	79800	1.10			
3.4	10300	418	80500	1.25			
3.9	8990	364	650000	0.90	K 107R77 D112M4		
4.5	7860	318	650000	1.00			
5.0	7080	286	650000	1.15			
5.7	6200	251	650000	1.30			
6.4	5470	222	650000	1.45			
7.2	4840	196	650000	1.65			
8.2	4290	174	650000	1.70			
9.2	3800	154	650000	1.90			
10	3440	140	650000	2.1			
7.1	4930	199	40000	0.85		K 97 R57 D112M4	
9.8	2940	143.47	65000	2.7			
12	2490	121.46	65000	3.2			
5.3	7220	132.14	81700	1.80			K 127 D132ML8
5.9	6500	122.48	81900	2.0			
6.5	5850	110.18	82100	2.2			

Output speed n ₂ [r/min]	Output torque T _a [N·m]	Ratio i	Permitted overhung load FR2 [N]	Service factor f _B	Model	
4.0kW						
6.6	5810	146.07	82100	2.2	K 127 D132M6	
7.1	5420	136.14	82200	2.4	KF 127 D132M6	
7.8	4870	122.48	82300	2.7	KA 127 D132M6	
8.7	4380	110.18	82400	3.0	KAF 127 D132M6	
6.4	5960	112.41	65000	1.35	K 107 D132ML8	
7.2	5340	100.75	65000	1.50		
7.9	4830	90.96	65000	1.65		
8.7	4380	82.61	65000	1.85		
6.7	5710	143.47	65000	1.40		K 107 D132M6
7.9	4830	121.46	65000	1.65		
8.5	4470	112.41	65000	1.80		
9.5	4010	100.75	65000	2.0		
11	3620	90.96	65000	2.2		
9.9	3860	143.47	65000	2.1	K 107 D112M4	
12	3270	121.46	65000	2.5		
13	3020	112.41	65000	2.7		
14	2710	100.75	65000	3.0		
16	2450	90.96	65000	3.3		
17	2220	82.61	65000	3.6	KAF 107 D112M4	
19	1970	73.30	65000	4.1		
9.3	4120	153.21	40000	1.05		K 97 D112M4
10	3770	140.28	40000	1.15		
11	3330	123.9				

Output speed n_2 [r/min]	Output torque T_a [N·m]	Ratio i	Permitted 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		
6.0kW						
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		
6.5kW						
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		
7.0kW						
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		
7.5kW						
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		
8.0kW						
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
8.5kW						
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
9.0kW						
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
9.5kW						
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 T_a [N·m]	Ratio i	Permitted 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		
6.0kW						
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
6.5kW						
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		
7.0kW						
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		
7.5kW						
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		
8.0kW						
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		
8.5kW						
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		
9.0kW						
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		
9.5kW						
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		
10.0kW						
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 T_a [N·m]	Ratio i	Permitted 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	187R97 D132M4
1.9	33900	738	190000	1.45		
2.3	28500	621	190000	1.75		
2.7	24100	527	190000	2.1		
8.0kW						
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	167R97 D132M4
3.0	22100	481	150000	1.45		
3.4	19400	423	150000	1.65		
3.9	16900	369	150000	1.90		
8.5kW						
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
9.0kW						
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		
9.5kW						
4.4	16400	164.50	150000	1.95	K	167 D160L8
5.3	13400	134.99	150000	2.4		
10.0kW						
5.8	12300	164.50	150000	2.6	K	167 D160M6
7.1	10100	134.99	150000	3.2		
10.5kW						
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		
11.0kW						
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
11.5kW						
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		
12.0kW						
10	7190	143.47	65000	1.10	K	107 D132M4
12	6080	121.46	65000	1.30	KF	

Output speed n_2 [r/min]	Output torque T_a [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
17	5040	82.61	60400	1.60	KAF	107 D132ML4
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 T_a [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		
4.3	22300	333	109700	0.80	K	157 R97 D160M4
4.9	19500	291	111400	0.90	KF	157 R97 D160M4
5.3	17900	266	114200	1.00	KA	157 R97 D160M4
6.6	16000	228	150000	1.60	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 T_a [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	187R107 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	167R107 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	157R107 D160L4
7.8	16800	187	112800	1.05	KF	157R107 D160L4
9.3	14200	157	113900	1.25	KA	157R107 D160L4
12	11000	122	115000	1.65	KAF	157R107 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</	

Output speed n ₂ [r/min]	Output torque T _a [N·m]	Ratio i	Permitted overhung load FR2 [N]	Service factor f _B		Model
18.5kW						
8.1	21700	179.86	190000	2.3		
8.9	19900	165.21	190000	2.5	K	187 D180M4
10	17400	144.59	190000	2.9		
11	15600	129.69	190000	3.2		
11	16300	134.99	150000	1.95		
13	13200	109.83	150000	2.4	K	167 D180M4
17	10600	87.86	150000	3.0		
9.7	18300	100.22	112100	1.00	K	157 D200LS6
11	16700	91.65	112800	1.10	KF	157 D200LS6
12	14500	79.75	111500	1.25	KA	157 D200LS6
14	12800	70.38	109900	1.40	KAF	157 D200LS6
12	14800	122.39	111600	1.20		
15	12100	100.22	109100	1.50		
16	11100	91.65	107800	1.65		
18	9620	79.75	105600	1.85	K	157 D180M4
21	8490	70.38	103400	2.1	KF	157 D180M4
24	7360	61.02	100700	2.5	KA	157 D180M4
27	6550	54.29	98500	2.8	KAF	157 D180M4
31	5640	46.79	95500	3.2		
39	4580	38.02	91300	3.9		
13	13300	110.18	79000	1.00	K	127 D180M4
16	10800	89.89	79000	1.20	KF	127 D180M4
18	9890	81.98	78500	1.30	KA	127 D180M4
					KAF	127 D180M4
21	8560	70.95	77500	1.50		
23	7550	62.60	76400	1.70		
27	6520	54.07	74800	2.0	K	127 D180M4
31	5770	47.82	73400	2.2	KF	127 D180M4
36	4850	40.19	71300	2.7	KA	127 D180M4
40	4370	36.25	69900	3.0	KAF	127 D180M4
47	3780	31.37	68000	3.4		
53	3340	27.68	66200	3.9		
20	8840	73.30	46300	0.90	K	107 D180M4
22	8020	66.52	46600	1.00	KF	107 D180M4
26	6890	57.17	46800	1.15	KA	107 D180M4
29	6020	49.90	46700	1.30	KAF	107 D180M4
35	5100	42.33	46300	1.45		
40	4460	37.00	45700	1.60		
45	3940	32.69	45100	1.85		
47	3770	31.28	44900	1.80	K	107 D180M4
51	3500	29.00	44400	2.1	KF	107 D180M4
56	3170	26.32	43800	2.3	KA	107 D180M4
65	2730	22.62	42700	2.6	KAF	107 D180M4
74	2380	19.74	41700	3.0		
88	2020	16.75	40400	3.5		
35	5050	41.87	25100	0.85	K	97 D180M4
48	3720	30.82	26000	1.15	KF	97 D180M4
53	3360	27.91	26000	1.30	KA	97 D180M4
59	2980	24.75	26000	1.45	KAF	97 D180M4
65	2700	22.37	25900	1.60		
77	2290	18.96	25700	1.90	K	97 D180M4
88	2000	16.56	25300	2.2	KF	97 D180M4
106	1670	13.85	24800	2.6	KA	97 D180M4
122	1450	11.99	24300	2.7	KAF	97 D180M4
59	3000	24.92	15600	0.85		
65	2700	22.41	15900	0.85		
75	2340	19.45	16200	1.00		
84	2100	17.42	16400	1.05	K	87 D180M4
101	1740	14.45	16500	1.20	KF	87 D180M4
117	1510	12.56	16400	1.30	KA	87 D180M4
131	1350	11.17	15400	1.10	KAF	87 D180M4
147	1210	10.00	15300	1.25		
177	1000	8.29	15100	1.40		
203	870	7.21	14900	1.50		

Output speed n ₂ [r/min]	Output torque T _a [N·m]	Ratio i	Permitted overhung load FR2 [N]	Service factor f _B		Model
22kW						
3.2	60000	454	172300	0.85		
4.1	47000	355	190000	1.05		
5.6	34500	261	190000	1.45	K	187R107 D180L4
6.6	29300	221	190000	1.70		
7.6	25600	193	190000	1.95		
8.9	21600	163	190000	2.3		
5.3	36700	278	150000	0.85		
6.0	32200	244	150000	1.00		
6.9	28200	213	150000	1.15		
7.1	27200	206	150000	1.20	K	167R107 D180L4
8.1	23800	180	150000	1.35		
9.2	21100	160	150000	1.50		
11	17900	135	150000	1.80		
12	15600	118	150000	2.0		
9.3	20800	157	109800	0.85	K	157R107 D180L4
12	16200	122	108600	1.10	KF	157R107 D180L4
14	14100	107	107300	1.25	KA	157R107 D180L4
					KAF	157R107 D180L4
5.4	39000	179.86	190000	1.30		
5.9	35800	165.21	190000	1.40		
6.7	31300	144.59	190000	1.60	K	187 D200L6
7.5	28100	129.69	190000	1.80		
8.6	24400	112.60	190000	2.0		
8.1	25800	179.86	190000	1.95		
8.9	23700	165.21	190000	2.1	K	187 D180L4
10	20700	144.59	190000	2.4		
11	18600	129.69	190000	2.7		
11	19400	134.99	150000	1.65		
13	15700	109.83	150000	2.0	K	167 D180L4
17	12600	87.86	150000	2.5		
19	11200	78.14	150000	2.9		
9.7	21700	100.22	105900	0.85	K	157 D200L6
11	19900	91.65	105900	0.90	KF	157 D200L6
12	17300	79.75	105500	1.05	KA	157 D200L6
14	15200	70.38	104600	1.20	KAF	157 D200L6
16	13200	61.02	103300	1.35		
12	17600	122.39	105500	1.05		
15	14400	100.22	104100	1.25		
16	13100	91.65	103200	1.35	K	157 D180L4
18	11400	79.75	101600	1.55	KF	157 D180L4
21	10100	70.38	99800	1.80	KA	157 D180L4
24	8750	61.02	97700	2.1	KAF	157 D180L4
27	7790	54.29	95800	2.3		
31	6710	46.79	93200	2.7		
39	5450	38.02	89400	3.3		
16	12900	89.89	73900	1.00	K	127 D180L4
18	11800	81.98	73800	1.10	KF	127 D180L4
21	10200	70.95	73400	1.30	KA	127 D180L4
23	8980	62.60	72800	1.45	KAF	127 D180L4
27	7750	54.07	71700	1.70		
31	6860	47.82	70700	1.90		
36	5760	40.19	69000	2.3	K	127 D180L4
40	5200	36.25	67800	2.5	KF	127 D180L4
47	4500	31.37	66200	2.9	KA	127 D180L4
53	3970	27.68	64600	3.3	KAF	127 D180L4
61	3430	23.91	62800	3.8		
69	3030	21.15	61200	4.3		
26	8200	57.17	43000	1.00	K	107 D180L4
29	7160	49.90	43300	1.10	KF	107 D180L4
35	6070	42.33	43400	1.20	KA	107 D180L4
					KAF	107 D180L4

Output speed n ₂ [r/min]	Output torque T _a [N·m]	Ratio i	Permitted overhung load FR2 [N]	Service factor f _B		Model
22kW						
40	5310	37.00	43200	1.35		
45	4690	32.69	42900	1.55		
47	4490	31.28	42800	1.50		
51	4160	29.00	42500	1.75		
56	3770	26.32	42000	1.90	K	107 D180L4
65	3240	22.62	41200	2.2	KF	107 D180L4
74	2830	19.74	40400	2.5	KA	107 D180L4
88	2400	16.75	39300	2.9	KAF	107 D180L4
100	2100	14.64	38400	3.3		
109	1930	13.43	36800	2.2		
125	1680	11.73	35900	2.6		
147	1430	9.94	34800	2.9		
48	4420	30.82	23500	0.95	K	97 D180L4
53	4000	27.91	23800	1.05	KF	97 D180L4
59	3550	24.75	24100	1.20	KA	97 D180L4
65	3210	22.37	24200	1.35	KAF	97 D180L4
77	2720	18.96	24100	1.60		
88	2370	16.56	24000	1.80	K	97 D180L4
106	1990	13.85	23700	2.2	KF	97 D180L4
122	1720	11.99	23300	2.3	KAF	97 D180L4
141	1490	10.41	21800	1.90	KAF	97 D180L4
168	1250	8.71	21300	2.1		
75	2790	19.45	14400	0.80		
84	2500	17.42	14800	0.90		
101	2070	14.45	15100	1.00	K	87 D180L4
117	1800	12.56	15300	1.10	KF	87 D180L4
131	1600	11.17	14200	0.95	KA	87 D180L4
147	1430	10.00	14200	1.05	KAF	87 D180L4
177	1190	8.29	14300	1.20		
203	1030	7.21	14200	1.25		
30kW						
5.6	47000	261	190000	1.05		
6.6	39800	221	190000	1.25	K	187R107 D200L4
7.6	34800	193	190000	1.45		
9.0	29400	163	190000	1.70		
6.9	38300	213	150000	0.85		
7.1	37000	206	150000			

Output speed n_2 [r/min]	Output torque T_a [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	
40kW					
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
47	9170	31.37	54400	1.40	
53	8090	27.68	54200	1.60	
62	6990	23.91	53800	1.85	
70	6180	21.15	53200	2.1 K	127 D225M4
83	5190	17.77	52200	2.5 KF	127 D225M4
102	4190	14.35	50700	2.9 KA	127 D225M4
115	3740	12.79	48300	2.3 KAF	127 D225M4
137	3140	10.74	47000	2.5	
169	2540	8.68	45300	2.8	

Output speed n_2 [r/min]	Output torque T_a [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
62	8510	23.91	49900	1.55	KAF 127 D250M4
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 T_a [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 T_a [N·m]	Ratio i	Permitted overhung load FR2 [N]	Service factor fB	Model
110kW					
62	16900	23.95	50800	1.05	K 157 D315S4

Output speed n_2 [r/min]	Output torque T_a [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			
2.1	671	5640		K	37 R17 D63S4
2.4	585	5640		KF	37 R17 D63S4
2.7	512	5640		KA	37 R17 D63S4
3.1	451	5640		KAF	37 R17 D63S4
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
12	110	5640		K	37 R17 D71D4
14	96	5640		KF	37 R17 D71D4
				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		K	47 R37 D63S4
1.3	1097	5920		KF	47 R37 D63S4
1.5	945	5920		KA	47 R37 D63S4
1.7	831	5920		KAF	47 R37 D63S4
1.9	718	5920			
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 T_a [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	7630			
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 T_a [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
2.9	471	10300		K	67 R37 D71D4
3.3	420	10300		KF	67 R37 D71D4
				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
6.3	217	10300		K	67 R37 D80N4
7.2	191	10300		KF	67 R37 D80N4
				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			
0.56	2370	15400		K	77 R37 D63M4
				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
3.2	428	15400		K	77 R37 D80N4
3.8	367	15400		KF	77 R37 D80N4
				KA	77 R37 D80N4
				KAF	77 R37 D80N4

Output speed n_2 [r/min]	Output torque T_a [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
0.55	2371	27300		K	87 R57 D63L4
				KF	87 R57 D63L4
				KA	87 R57 D63L4
				KAF	87 R57 D63L4
0.62	2088	27300		K	87 R57 D63L4
0.70	1854	27300		KF	87 R57 D63L4
				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	27300		KA	87 R57 D80K4

Output speed n_2 [r/min]	Output torque T_a [N·m]	Ratio i	Permitted 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	

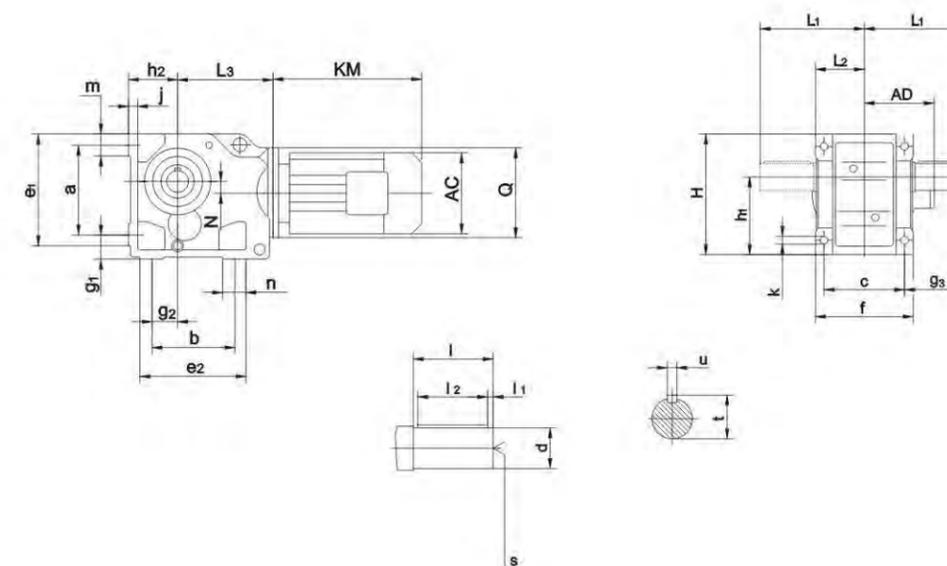
Output speed n_2 [r/min]	Output torque T_a [N·m]	Ratio i	Permitted load FR2 [N]	Service factor fB	Model		
8000							
0.82	1713	65000		K	107 R77	D90S4	
0.90	1554	65000		KF	107 R77	D90S4	
1.0	1336	65000		KA	107 R77	D90S4	
				KAF	107 R77	D90S4	
1.2	1166	65000		K	107 R77	D90L4	
1.4	1030	65000		KF	107 R77	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	D90L4	
				KF	127 R77	D90L4	
				KA	127 R77	D90L4	
				KAF	127 R77	D90L4	
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 T_a [N·m]	Ratio i	Permitted 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	

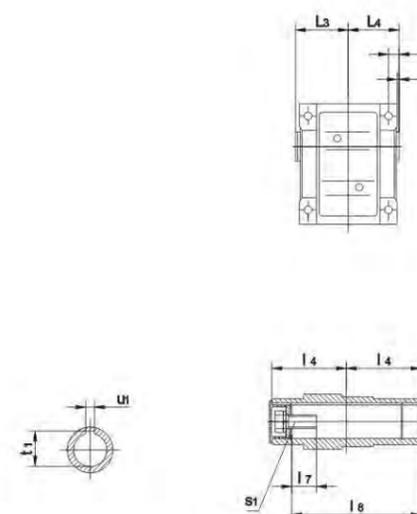
Output speed n_2 [r/min]	Output torque T_a [N·m]	Ratio i	Permitted load FR2 [N]	Service factor f_B	Model
32000					
3.5	423	150000			
4.0	369	150000	K		167 R97 D160L4
4.6	318	150000	K		167 R107 D180M4
5.3	278	150000	K		167 R107 D180L4
6.0	244	150000			
6.9	213	150000			
7.1	206	150000	K		167 R107 D200L4
8.1	180	150000			
9.2	160	150000	K		167 R107 D225S4
11	135	150000	K		167 R107 D225M4
12	118	150000			
50000					
0.04	32625	189900			
0.05	27165	189900			
0.06	24353	189900	K		187 R97 D80K4
0.07	19144	189900			
0.08	16978	189900			
0.10	14272	189900			
0.11	13116	189900	K		187 R97 D80N4
0.12	11647	189900			
0.13	10413	189900			
0.15	9363	189900	K		187 R97 D90S4
0.17	8126	189900			
0.19	7343	189900			
0.21	6747	189900	K		187 R97 D90L4
0.24	5991	189900			
0.26	5358	189900			
0.29	4817	189900	K		187 R97 D100M4
0.32	4370	189900			
0.39	3609	189900	K		187 R97 D100L4
0.46	3062	189900			
0.56	2519	189900			
0.63	2268	189900	K		187 R97 D112M4
0.69	2054	189900			
0.78	1821	189900	K		187 R97 D132S4
0.89	1605	189900			
1.0	1395	189900	K		187 R97 D132M4
1.2	1196	189900			
1.4	1046	189900	K		187 R97 D132ML4
1.5	945	189900			
2.0	738	189900	K		187 R97 D160L4
2.3	621	189900			
2.8	527	189900	K		187 R97 D180M4

Output speed n_2 [r/min]	Output torque T_a [N·m]	Ratio i	Permitted load FR2 [N]	Service factor f_B	Model
50000					
1.7	835	189900	K		187 R107 D160M4
2.0	729	189900	K		187 R107 D160L4
2.3	622	189900			
2.8	520	189900	K		187 R107 D180M4
3.2	454	189900			
4.1	355	189900	K		187 R107 D200L4
5.6	261	189900	K		187 R107 D225S4
6.6	221	189900			
7.6	193	189900	K		187 R107 D225M4
9.0	163	189900			

K37..~K157..

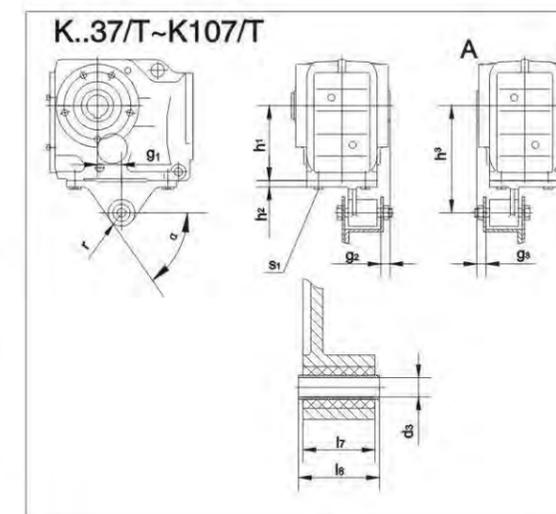
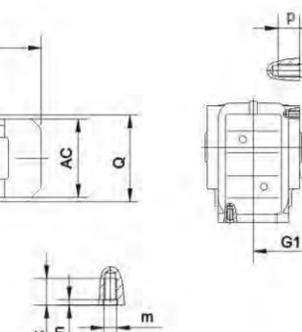
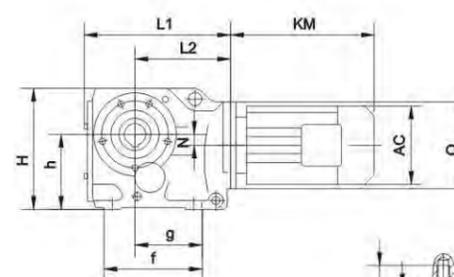
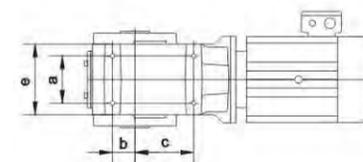


KA37B..~KA157B..

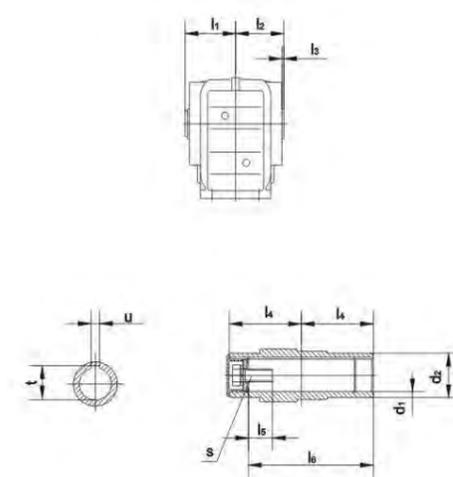
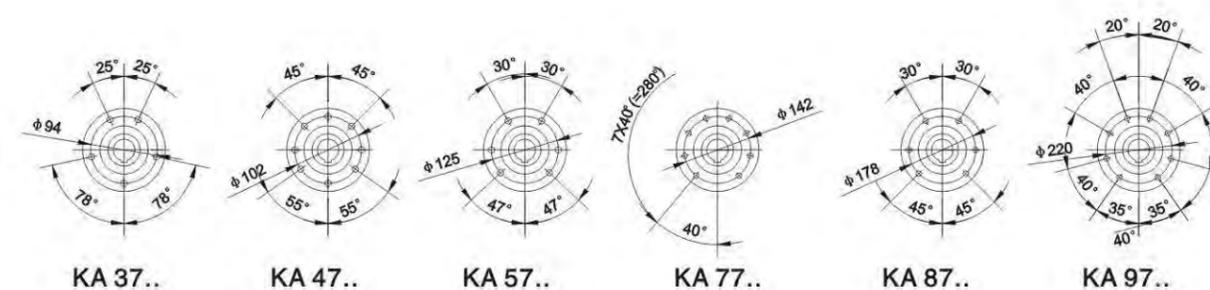


size	a b c	e1 e2 f	g1 g2 g3	h1 h2	j	k	m n	Shaft dimension				
								d	l	l1 l2	S	t u
K37..	115 110 100	150 143 120	32 28 60	100-0.5 63-0.5	16	11	37 38	25k6	50	5 40	M10	28 8
K47.. KA47B..	130 130 120	170 162 145	37 35 75	112-0.5 71-0.5	18	11	37 32	30k6	60	3.5 50	M10	33 8
K57.. KA57B..	150 130 130	190 172 157	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

KA37..~KA107

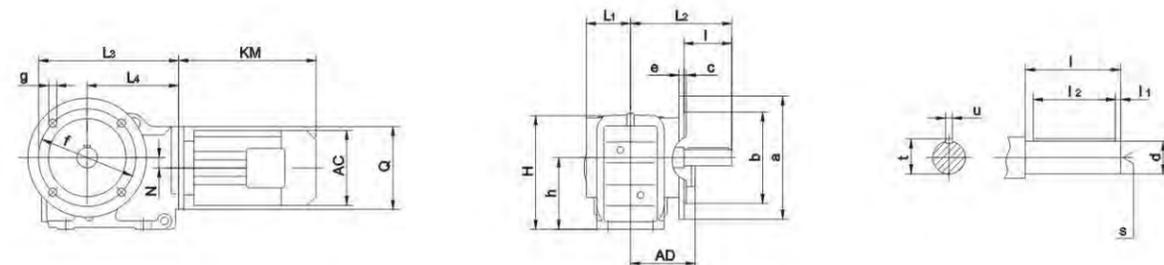


size	hollow shaft dimension							H	L1 L2	L3	N	Q
	d1	d2	l3 l4	l5 l6	l7 l8	s1	t1 u1					
K37..	-	-	-	-	-	-	-	165	110 60	139	8.5	120
K47.. KA47B..	35 ^{H7}	50	78 75	15 3	22 132	M12x30	38.3 10	185	135 72	166	7.2	160
K57.. KA57B..	40 ^{H7}	55	86 83	18 3	29 142	M16x40	43.3 12	217	153 80	173	13.1	160
K67.. 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



size	a b c	e f g	h	k m n	p q	Hollow shaft dimension				Torque arm form				H L ₁ L ₂	N Q				
						d ₁	l ₁	l ₄	s	g ₁	h ₁	d ₃	r			g ₂	h ₂	l ₇	s ₁
						d ₂	l ₂	l ₅	t	g ₃	h ₃	l ₈	α			g ₃	h ₃	l ₈	α
KA 37.. K..37/T..	60	100	100-0.5	20	12	30 ^{H7}	63	60	M10	23.5	100-0.5	10.4 ^{+0.1}	22.5	164	8.5				
	35	147		M10			20	10	31	M10x25	210								
	82	97		4			M8	45	2.5	105	8	20	140 ^{+0.2}	36-0.3		60°	139		
KA 47.. K..47/T..	70	110	112-0.5	20	12	35 ^{H7}	78	75	M12	30	112-0.5	10.4 ^{+0.1}	22.5	185	7.2				
	40	170		M10			20	12	31	M10x30	243								
	100	115		4			M8	50	3	132	10	20	160 ^{+0.2}	36-0.3		55°	166		
KA 57.. K..57/T..	88	122	132-0.5	25	20	40 ^{H7}	86	83	M16	40	132-0.5	16.4 ^{+0.08}	29	215	13.1				
	47	182		M12			5	M12	55	83	29	43.3	18	13		54	M12x35	269	
	105	120		5			M12	55	3	142	12	18	192 ^{+0.2}	60-0.3		55°	173		
KA 67.. K..67/T..	88	130	140-0.5	25	20	40 ^{H7}	94	90	M16	45	140-0.5	16.4 ^{+0.08}	29	226	20				
	42	182		M12			5	M12	55	90	29	43.3	25	13		54	M12x35	274	
	110	125		5			M12	55	3.5	156	12	25	200 ^{+0.2}	60-0.3		55°	179		
KA 77.. K..77/T..	102	154	180-0.5	32	20	50 ^{H7}	108	105	M16	52.5	180-0.5	16.4 ^{+0.08}	29	286	31.3				
	48	204		M16			6	M12	70	105	32	53.8	25	14		54	M16x40	312	
	122	139		6			M12	70	4	186	14	25	250 ^{+0.2}	60-0.3		60°	202		
KA 87.. K..87/T..	118	170	212-0.5	32	26	60 ^{H7}	123	120	M20	60	212-0.5	25 ^{+0.08}	41	338	25.9				
	65	280		M16			6	M16	85	120	36	64.4	30	16		72	M16x45	390	
	160	190		6			M16	85	4	210	18	30	300 ^{+0.2}	80-0.3		60°	257		
KA 97.. K..97/T..	160	226	265-1	36	26	70 ^{H7}	153	150	M20	70	265-1	25 ^{+0.08}	41	414	32.3				
	83	298		M20			6	M16	95	150	34	74.9	40	17		92	M20x50	435	
	165	190		6			M16	95	4	270	20	40	350 ^{+0.2}	100-0.3		50°	277		
KA 107.. K..107/T..	190	266	315-1	44	-	90 ^{H7}	178	175	M24	74	315-1	25 ^{+0.08}	41	500	52				
	100	370		M24			8	-	118	175	40	95.4	45	20		92	M24x60	537	
	190	230		8			-	118	2.5	313	25	45	450 ^{+0.5}	100-0.3		55°	341		

KF37..~KF157..



KAF37..~KAF157..

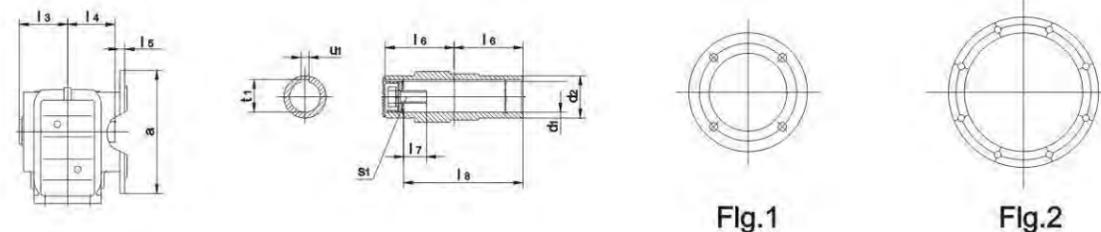


Fig.1

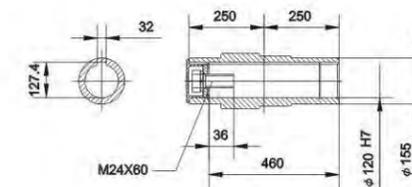
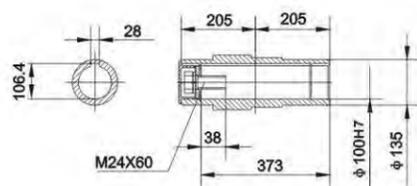
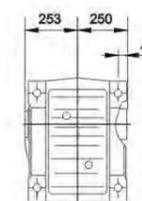
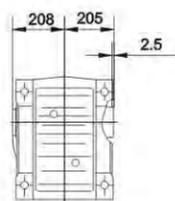
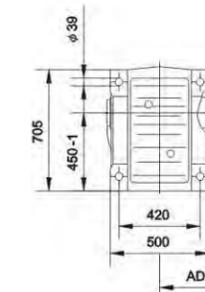
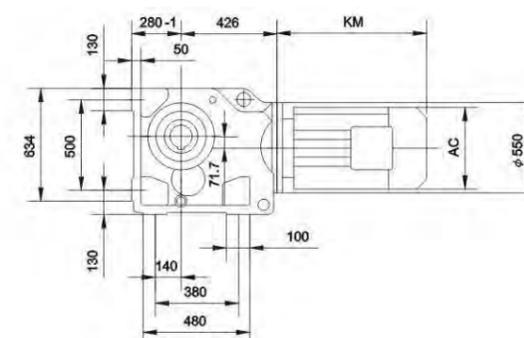
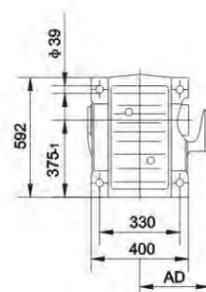
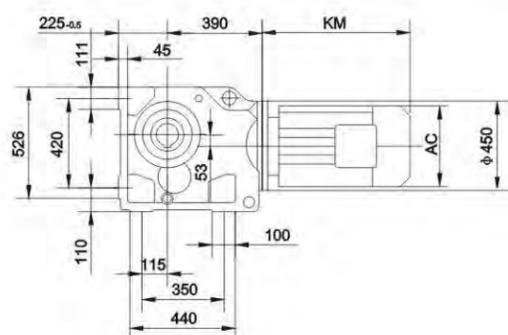
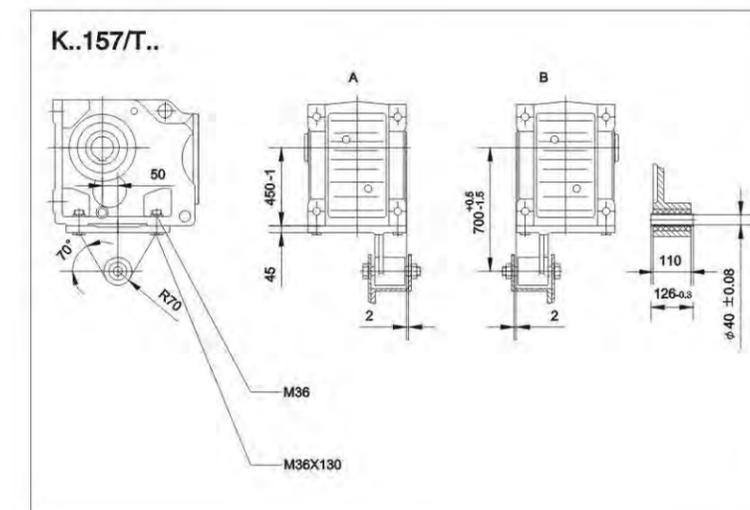
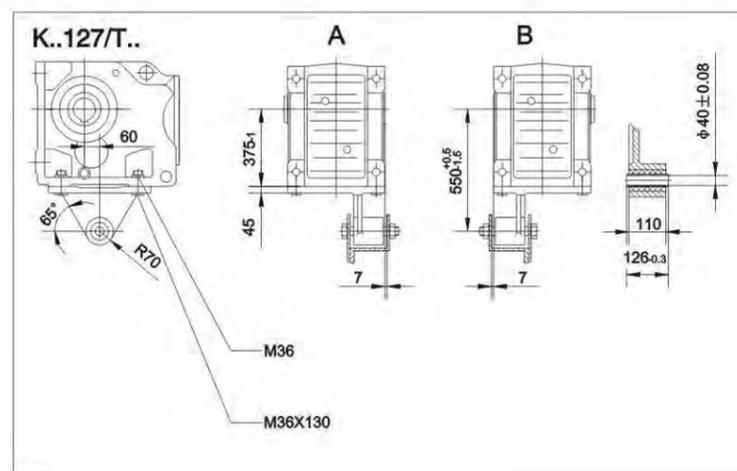
Fig.2

Flange form

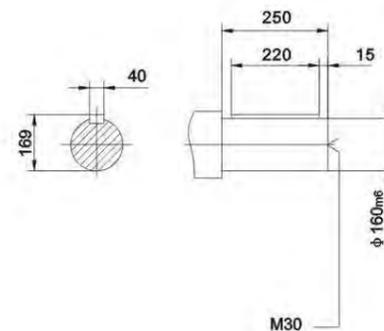
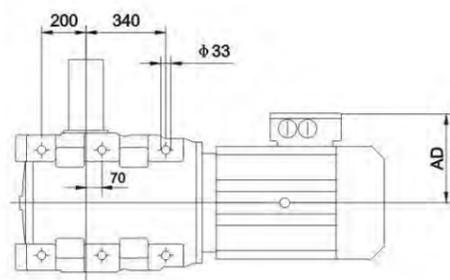
Model	Flange form	a b	c e	f g h	Shaft dimension				Hollow shaft dimension				H	L ₁ L ₂ L ₃	L ₄ N Q	
					d	l ₁	s	t	d ₁	l ₃	l ₆	s ₁				t ₁
KF37.. KAF37..	Fig.1	160	3.5	130	25k6	5	M10	28	30 ^{H7}	63	60	M10 × 25	33.3	164	57.5	139
		110j6	10	100	50	40	8	45	24	105	8	164	134	8.5	210	120
KF47.. KAF47..	Fig.1	200	3.5	165	30k6	3.5	M10	33	35 ^{H7}	78	75	M12 × 30	38.3	185	72	166
		130j6	10	111	60	50	8	50	25	132	10	185	160	7.2	243	160
KF57.. KAF57..	Fig.1	250	4	215	35k6	7	M12	38	40 ^{H7}	86	83	M16 × 40	43.3	215	80	173
		180j6	15	132	70	56	10	55	23.5	142	12	215	177	13.1	269	160
KF67.. KAF67..	Fig.1	250	4	215	40k6	5	M16	43	40 ^{H7}	94	90	M16 × 40	43.3	226	86.5	179
		180j6	15	140	80	70	12	55	23	156	12	226	193	20	274	160
KF77.. KAF77..	Fig.1	300	4	265	50k6	80	M16	53.5	50 ^{H7}	108	105	M16 × 45	53.8	286	101	202
		230j6	16	180	100	10	14	70	37	183	14	286	242	31.3	312	200
KF87.. KAF87..	Fig.1	350	5	300	60m6	5	M20	64	60 ^{H7}	123	120	M20 × 50	64.4	338	138	257
		250h6	18	212	120	110	18	85	30	210	18	338	270	25.9	390	250
KF97.. KAF97..	Fig.2	450	5	400	70m6	7.5	M20	74.5	70 ^{H7}	153	150	M20 × 50	74.9	414	171	277
		350h6	22	265	140	125	20	95	41.5	270	20	414	332	32.3	435	300
KF107.. KAF107..	Fig.2	450	5	400	90m6	5	M24	95	90 ^{H7}	178	175	M24 × 60	95.4	500	175	341
		350h6	25	315	170	160	25	118	41	313	25	500	386	52	537	350
KF127.. KAF127..	Fig.2	550	5	500	110m6	15	M24	116	100 ^{H7}	208	205	M24 × 60	106.4	592	203	390
		450h6														

KA127..

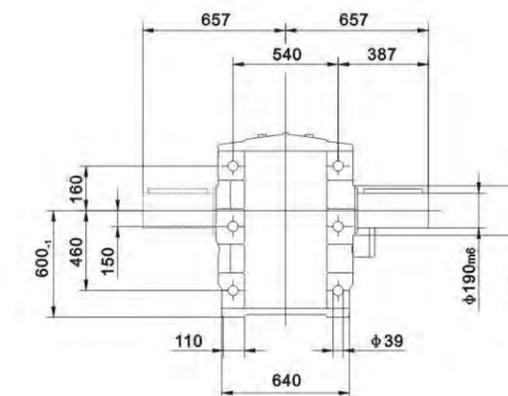
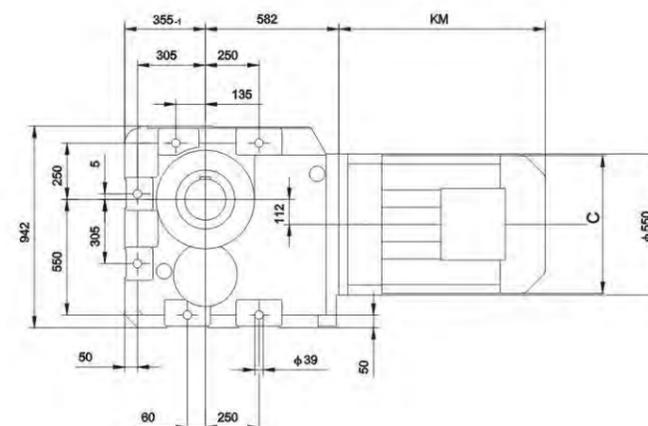
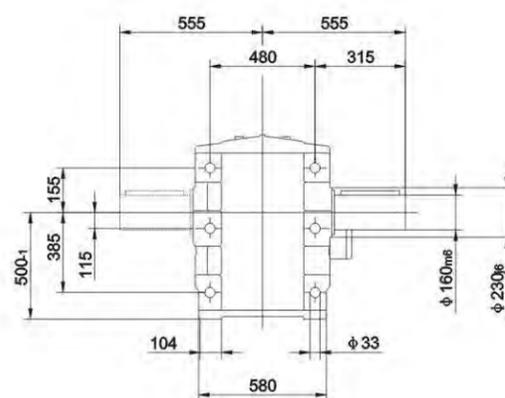
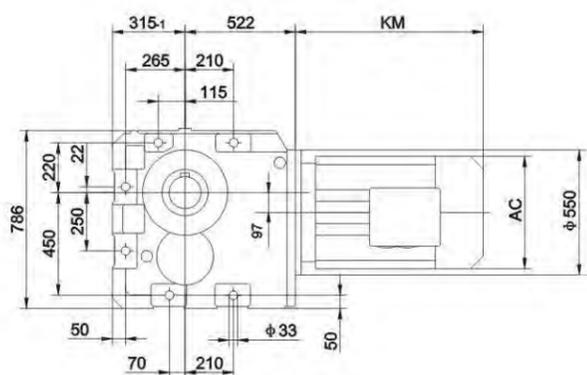
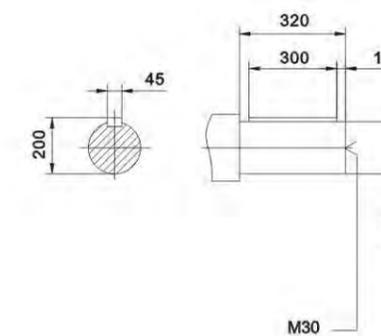
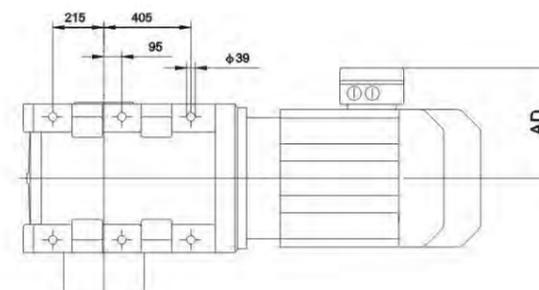
KA157..

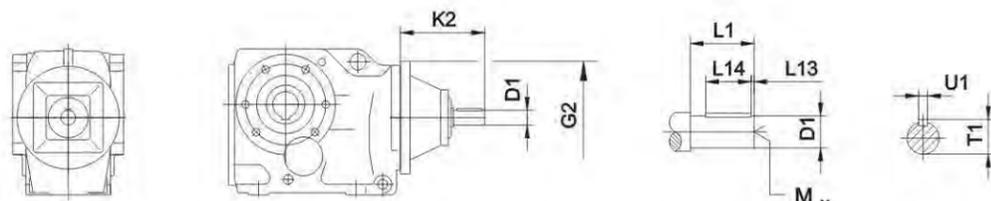


K167..



K187..



К..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	250	292	42	110	10	70	45	12	M16	
	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	300	327	48	110	10	80	51.5	14	M16	
	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	350	321	48	110	10	80	51.5	14	M16	
	AD4		450	193	38	80	5	70	41	10	M12
	AD5			266	42	110	10	70	45	12	M16
	AD6	450		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	

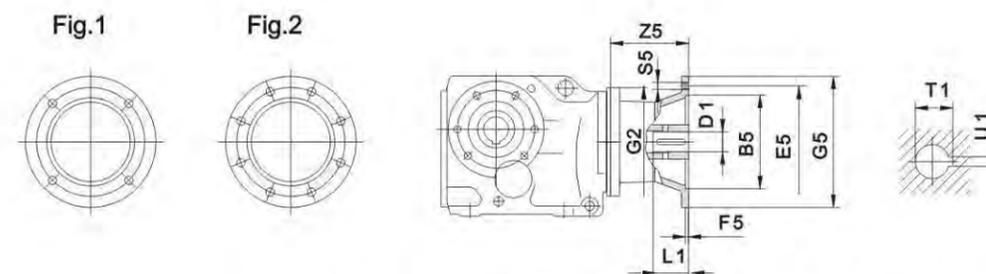
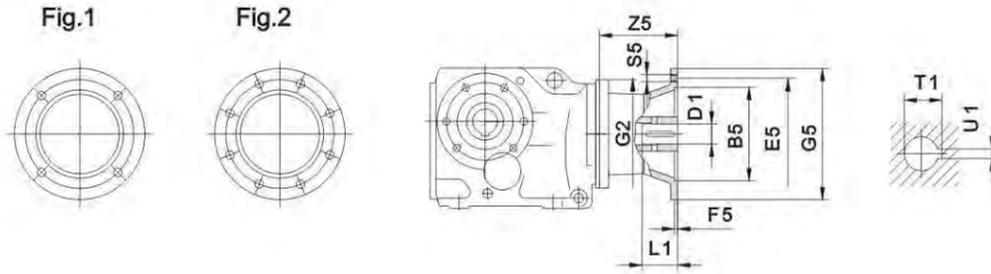
К..AM..


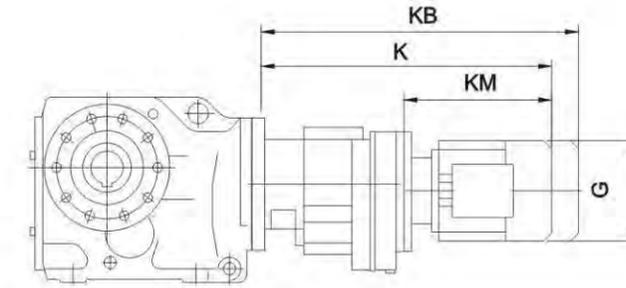
		Fig	B5	E5	F5	G2	G5	S5	Z5	D1	L1	T1	U1					
K..37	AM63	1	95	115	3.5	120	140	M8	72	11	23	12.8	4					
	AM71 ¹⁾		110	130			14			30	16.3	5						
	AM80 ¹⁾		130	165			4.5			200	M10	106	19	40	21.8	6		
	AM90 ¹⁾												24	50	27.3	8		
K..47	AM63	1	95	115	3.5	160	140	M8	66	11	23	12.8	4					
	AM71		110	130			14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

К..АМ..



Series	Model	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																				
	AM132M																				
	AM132ML	2	230	265	6	350	300	M12	163	38	80	41.3	10								
	AM160																				
	AM180																				
	AM200																				
AM225	2	350	400	7	350	450	M16	221	42	110	45.3	12									
AM160																					
AM180																					
AM200																					
AM225	2	350	400	7	450	450	M16	262	55	140	59.3	16									
AM250																					
AM280																					
AM280																					
K..127	AM132S	1	230	265	5	450	300	M12	148	38	80	41.3	10								
	AM132M																				
	AM132ML																				
	AM160																				
	AM180	2	250	300	6	450	350	M16	206	42	110	45.3	12								
	AM180																				
	AM200																				
	AM225																				
AM250	2	350	400	7	450	450	M16	247	55	140	59.3	16									
AM225																					
AM250																					
AM280																					
K..157 K..167 K..187	AM160	1	250	300	6	550	350	M16	198	42	110	45.3	12								
	AM180																				
	AM200	2	350	400	7									550	400	M16	239	55	140	59.3	16
	AM225																				
	AM250																				
	AM280																				
AM250	2	450	500	7	550	450	M16	254	60	140	64.4	18									
AM280																					
AM280	2	450	500	7	550	550	M16	328	65	140	69.4	20									
AM280																					

К..R..



Series	Model	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
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
	D160M	330	749	861	512

Series	Model	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
K..127R87	D132M	285	684	796	452
	D132ML	285	704	816	472
	D160M	330	734	846	502
	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
K..157R97	D180..	380	896	1052	616
	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
K..157R107	D160L	330	864	1020	539
	D180..	380	936	1092	61
	D200..	420	1024	1180	699
	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
K167R97 KH167R97	D160L	330	915	1071	533
	D180..	380	987	1143	605
	D200..	420	1075	1231	693
	D225..	470	1107	1263	725
	D180..	380	987	1143	605
	D200..	420	1075	1231	693