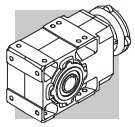
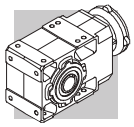


1.1 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE2	IE3		IEC IE2	IEC IE3	
3.2	2912	2.7	442.1	65000	**A804_442.1 S3 ME3SA4**	**A804_442.1 S3 MX3SA4**	299	**A804_442.1 P90 BE90S4**	**A804_442.1 P90 BX90S4**	300
3.3	2887	1.0	438.4	30000	**A604_438.4 S3 ME3SA4**	**A604_438.4 S3 MX3SA4**	292	**A604_438.4 P90 BE90S4**	**A604_438.4 P90 BX90S4**	293
3.5	2665	1.1	404.7	30000	**A604_404.7 S3 ME3SA4**	**A604_404.7 S3 MX3SA4**	292	**A604_404.7 P90 BE90S4**	**A604_404.7 P90 BX90S4**	293
3.6	2635	1.9	400.2	50000	**A704_400.2 S3 ME3SA4**	**A704_400.2 S3 MX3SA4**	296	**A704_400.2 P90 BE90S4**	**A704_400.2 P90 BX90S4**	297
3.7	2526	3.2	383.5	65000	**A804_383.5 S3 ME3SA4**	**A804_383.5 S3 MX3SA4**	299	**A804_383.5 P90 BE90S4**	**A804_383.5 P90 BX90S4**	300
3.9	2433	2.1	369.4	50000	**A704_369.4 S3 ME3SA4**	**A704_369.4 S3 MX3SA4**	296	**A704_369.4 P90 BE90S4**	**A704_369.4 P90 BX90S4**	297
4.0	2331	3.4	354.0	65000	**A804_354.0 S3 ME3SA4**	**A804_354.0 S3 MX3SA4**	299	**A804_354.0 P90 BE90S4**	**A804_354.0 P90 BX90S4**	300
4.1	2313	1.2	351.2	30000	**A604_351.2 S3 ME3SA4**	**A604_351.2 S3 MX3SA4**	292	**A604_351.2 P90 BE90S4**	**A604_351.2 P90 BX90S4**	293
4.4	2139	0.9	324.7	30000	**A554_324.7 S3 ME3SA4**	**A554_324.7 S3 MX3SA4**	288	**A554_324.7 P90 BE90S4**	**A554_324.7 P90 BX90S4**	289
4.4	2135	1.3	324.2	30000	**A604_324.2 S3 ME3SA4**	**A604_324.2 S3 MX3SA4**	292	**A604_324.2 P90 BE90S4**	**A604_324.2 P90 BX90S4**	293
4.5	2083	2.4	316.4	50000	**A704_316.4 S3 ME3SA4**	**A704_316.4 S3 MX3SA4**	296	**A704_316.4 P90 BE90S4**	**A704_316.4 P90 BX90S4**	297
4.9	1923	2.6	292.0	50000	**A704_292.0 S3 ME3SA4**	**A704_292.0 S3 MX3SA4**	296	**A704_292.0 P90 BE90S4**	**A704_292.0 P90 BX90S4**	297
5.0	1886	1.5	286.3	30000	**A604_286.3 S3 ME3SA4**	**A604_286.3 S3 MX3SA4**	292	**A604_286.3 P90 BE90S4**	**A604_286.3 P90 BX90S4**	293
5.4	1741	1.6	264.3	30000	**A604_264.3 S3 ME3SA4**	**A604_264.3 S3 MX3SA4**	292	**A604_264.3 P90 BE90S4**	**A604_264.3 P90 BX90S4**	293
5.4	1730	1.2	262.6	30000	**A554_262.6 S3 ME3SA4**	**A554_262.6 S3 MX3SA4**	288	**A554_262.6 P90 BE90S4**	**A554_262.6 P90 BX90S4**	289
5.5	1718	0.9	260.9	20000	**A504_260.9 S3 ME3SA4**	**A504_260.9 S3 MX3SA4**	284	**A504_260.9 P90 BE90S4**	**A504_260.9 P90 BX90S4**	285
6.0	1571	3.2	238.6	50000	**A704_238.6 S3 ME3SA4**	**A704_238.6 S3 MX3SA4**	296	**A704_238.6 P90 BE90S4**	**A704_238.6 P90 BX90S4**	297
6.2	1528	1.0	232.0	20000	**A504_232.0 S3 ME3SA4**	**A504_232.0 S3 MX3SA4**	284	**A504_232.0 P90 BE90S4**	**A504_232.0 P90 BX90S4**	285
6.3	1489	1.9	226.1	30000	**A604_226.1 S3 ME3SA4**	**A604_226.1 S3 MX3SA4**	292	**A604_226.1 P90 BE90S4**	**A604_226.1 P90 BX90S4**	293
6.5	1451	3.4	220.3	50000	**A704_220.3 S3 ME3SA4**	**A704_220.3 S3 MX3SA4**	296	**A704_220.3 P90 BE90S4**	**A704_220.3 P90 BX90S4**	297
6.8	1390	1.1	211.0	20000	**A504_211.0 S3 ME3SA4**	**A504_211.0 S3 MX3SA4**	284	**A504_211.0 P90 BE90S4**	**A504_211.0 P90 BX90S4**	285
6.9	1375	2.0	208.7	30000	**A604_208.7 S3 ME3SA4**	**A604_208.7 S3 MX3SA4**	292	**A604_208.7 P90 BE90S4**	**A604_208.7 P90 BX90S4**	293
6.9	1370	1.4	208.1	30000	**A554_208.1 S3 ME3SA4**	**A554_208.1 S3 MX3SA4**	288	**A554_208.1 P90 BE90S4**	**A554_208.1 P90 BX90S4**	289
7.4	1308	1.5	194.2	30000	**A553_194.2 S3 ME3SA4**	**A553_194.2 S3 MX3SA4**	288	**A553_194.2 P90 BE90S4**	**A553_194.2 P90 BX90S4**	289
7.5	1283	1.2	190.6	20000	**A503_190.6 S3 ME3SA4**	**A503_190.6 S3 MX3SA4**	284	**A503_190.6 P90 BE90S4**	**A503_190.6 P90 BX90S4**	285
7.7	1251	2.2	185.8	30000	**A603_185.8 S3 ME3SA4**	**A603_185.8 S3 MX3SA4**	292	**A603_185.8 P90 BE90S4**	**A603_185.8 P90 BX90S4**	293
8.2	1179	1.7	175.0	30000	**A553_175.0 S3 ME3SA4**	**A553_175.0 S3 MX3SA4**	288	**A553_175.0 P90 BE90S4**	**A553_175.0 P90 BX90S4**	289
8.2	1167	1.3	173.4	20000	**A503_173.4 S3 ME3SA4**	**A503_173.4 S3 MX3SA4**	284	**A503_173.4 P90 BE90S4**	**A503_173.4 P90 BX90S4**	285
8.3	1155	2.4	171.5	30000	**A603_171.5 S3 ME3SA4**	**A603_171.5 S3 MX3SA4**	292	**A603_171.5 P90 BE90S4**	**A603_171.5 P90 BX90S4**	293
8.9	1080	1.9	160.4	30000	**A553_160.4 S3 ME3SA4**	**A553_160.4 S3 MX3SA4**	288	**A553_160.4 P90 BE90S4**	**A553_160.4 P90 BX90S4**	289
9.2	1051	2.7	156.0	30000	**A603_156.0 S3 ME3SA4**	**A603_156.0 S3 MX3SA4**	292	**A603_156.0 P90 BE90S4**	**A603_156.0 P90 BX90S4**	293
9.3	1041	1.4	154.6	20000	**A503_154.6 S3 ME3SA4**	**A503_154.6 S3 MX3SA4**	284	**A503_154.6 P90 BE90S4**	**A503_154.6 P90 BX90S4**	285
9.7	989	2.0	146.8	30000	**A553_146.8 S3 ME3SA4**	**A553_146.8 S3 MX3SA4**	288	**A553_146.8 P90 BE90S4**	**A553_146.8 P90 BX90S4**	289
9.9	970	2.9	144.0	30000	**A603_144.0 S3 ME3SA4**	**A603_144.0 S3 MX3SA4**	292	**A603_144.0 P90 BE90S4**	**A603_144.0 P90 BX90S4**	293
10.2	947	1.6	140.6	20000	**A503_140.6 S3 ME3SA4**	**A503_140.6 S3 MX3SA4**	284	**A503_140.6 P90 BE90S4**	**A503_140.6 P90 BX90S4**	285
10.7	898	3.1	133.3	30000	**A603_133.3 S3 ME3SA4**	**A603_133.3 S3 MX3SA4**	292	**A603_133.3 P90 BE90S4**	**A603_133.3 P90 BX90S4**	293
10.8	894	2.2	132.7	30000	**A553_132.7 S3 ME3SA4**	**A553_132.7 S3 MX3SA4**	288	**A553_132.7 P90 BE90S4**	**A553_132.7 P90 BX90S4**	289
11.0	873	1.7	129.7	20000	**A503_129.7 S3 ME3SA4**	**A503_129.7 S3 MX3SA4**	284	**A503_129.7 P90 BE90S4**	**A503_129.7 P90 BX90S4**	285
11.5	834	2.4	123.9	30000	**A553_123.9 S3 ME3SA4**	**A553_123.9 S3 MX3SA4**	288	**A553_123.9 P90 BE90S4**	**A553_123.9 P90 BX90S4**	289
11.6	828	3.4	123.0	30000	**A603_123.0 S3 ME3SA4**	**A603_123.0 S3 MX3SA4**	292	**A603_123.0 P90 BE90S4**	**A603_123.0 P90 BX90S4**	293
12.1	794	1.9	118.0	20000	**A503_118.0 S3 ME3SA4**	**A503_118.0 S3 MX3SA4**	284	**A503_118.0 P90 BE90S4**	**A503_118.0 P90 BX90S4**	285
12.3	780	1.1	115.9	15000	**A413_115.9 S3 ME3SA4**	**A413_115.9 S3 MX3SA4**	280	**A413_115.9 P90 BE90S4**	**A413_115.9 P90 BX90S4**	281
13.1	737	2.0	109.4	20000	**A503_109.4 S3 ME3SA4**	**A503_109.4 S3 MX3SA4**	284	**A503_109.4 P90 BE90S4**	**A503_109.4 P90 BX90S4**	285
14.1	683	2.9	101.4	30000	**A553_101.4 S3 ME3SA4**	**A553_101.4 S3 MX3SA4**	288	**A553_101.4 P90 BE90S4**	**A553_101.4 P90 BX90S4**	289
14.4	670	2.2	99.5	20000	**A503_99.5 S3 ME3SA4**	**A503_99.5 S3 MX3SA4**	284	**A503_99.5 P90 BE90S4**	**A503_99.5 P90 BX90S4**	285
15.4	625	1.3	92.8	15000	**A413_92.8 S3 ME3SA4**	**A413_92.8 S3 MX3SA4**	280	**A413_92.8 P90 BE90S4**	**A413_92.8 P90 BX90S4**	281
16.0	603	2.5	89.5	20000	**A503_89.5 S3 ME3SA4**	**A503_89.5 S3 MX3SA4**	284	**A503_89.5 P90 BE90S4**	**A503_89.5 P90 BX90S4**	285
17.3	574	1.0	82.5	12000	**A352_82.5 S3 ME3SA4**	**A352_82.5 S3 MX3SA4**	276	**A352_82.5 P90 BE90S4**	**A352_82.5 P90 BX90S4**	277
17.6	548	2.7	81.5	20000	**A503_81.5 S3 ME3SA4**	**A503_81.5 S3 MX3SA4**	284	**A503_81.5 P90 BE90S4**	**A503_81.5 P90 BX90S4**	285
18.0	551	1.5	79.2	15000	**A412_79.2 S3 ME3SA4**	**A412_79.2 S3 MX3SA4**	280	**A412_79.2 P90 BE90S4**	**A412_79.2 P90 BX90S4**	281
19.3	517	1.2	74.3	12000	**A352_74.3 S3 ME3SA4**	**A352_74.3 S3 MX3SA4**	276	**A352_74.3 P90 BE90S4**	**A352_74.3 P90 BX90S4**	277
20.1	496	1.7	71.3	15000	**A412_71.3 S3 ME3SA4**	**A412_71.3 S3 MX3SA4**	280	**A412_71.3 P90 BE90S4**	**A412_71.3 P90 BX90S4**	281
20.4	473	3.2	70.2	20000	**A503_70.2 S3 ME3SA4**	**A503_70.2 S3 MX3SA4**	284	**A503_70.2 P90 BE90S4**	**A503_70.2 P90 BX90S4**	285
21.7	458	1.3	65.8	12000	**A352_65.8 S3 ME3SA4**	**A352_65.8 S3 MX3SA4**	276	**A352_65.8 P90 BE90S4**	**A352_65.8 P90 BX90S4**	277
22.3	446	1.9	64.2	15000	**A412_64.2 S3 ME3SA4**	**A412_64.2 S3 MX3SA4**	280	**A412_64.2 P90 BE90S4**	**A412_64.2 P90 BX90S4**	281
22.4	430	3.5	63.9	20000	**A503_63.9 S3 ME3SA4**	**A503_63.9 S3 MX3SA4**	284	**A503_63.9 P90 BE90S4**	**A503_63.9 P90 BX90S4**	285
23.7	420	1.4	60.4	12000	**A352_60.4 S3 ME3SA4**	**A352_60.4 S3 MX3SA4**	276	**A352_60.4 P90 BE90S4**	**A352_60.4 P90 BX90S4**	277
24.1	413	1.0	59.4	7420	**A302_59.4 S3 ME3SA4**	**A302_59.4 S3 MX3SA4**	272	**A302_59.4 P90 BE90S4**	**A302_59.4 P90 BX90S4**	273
24.3	409	2.1	58.8	15000	**A412_58.8 S3 ME3SA4**	**A412_58.8 S3 MX3SA4**	280	**A412_58.8 P90 BE90S4**	**A412_58.8 P90 BX90S4**	281
26.3	378	1.6	54.3	12000	**A352_54.3 S3 ME3SA4**	**A352_54.3 S3 MX3SA4**	276	**A352_54.3 P90 BE90S4**	**A352_54.3 P90 BX90S4**	277
26.9	370	2.3	53.1	15000	**A412_53.1 S3 ME3SA4**	**A412_53.1 S3 MX3SA4**	280	**A412_53.1 P90 BE90S4**	**A412_53.1 P90 BX90S4**	281
27.1	366	1.1	52.7	7310	**A302_52.7 S3 ME3SA4**	**A302_52.7 S3 MX3SA4**	272	**A302_52.7 P90 BE90S4**	**A302_52.7 P90 BX90S4**	273
29.1	341	1.8	49.1	11800	**A352_49.1 S3 ME3SA4**	**A352_49.1 S3 MX3SA4**	276	**A352_49.1 P90 BE90S4**	**A352_49.1 P90 BX90S4**	277
29.6	336	1.2	48.3	7220	**A302_48.3 S3 ME3SA4**	**A302_48.3 S3 MX3SA4**	272	**A302_48.3 P90 BE90S4**	**A302_48.3 P90 BX90S4**	273
29.6	336	2.5	48.3	15000	**A412_48.3 S3 ME3SA4**	**A412_48.3 S3 MX3SA4**	280	**A412_48.3 P90 BE90S4**	**A412_48.3 P90 BX90S4**	281

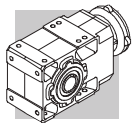


1.1 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE2	IE3		IE2	IEC IE3	
31	319	1.9	45.8	11700	**A352_45.8 S3 ME3SA4**	**A352_45.8 S3 MX3SA4**	276	**A352_45.8 P90 BE90S4**	**A352_45.8 P90 BX90S4**	277
32	313	2.6	45.1	15000	**A412_45.1 S3 ME3SA4**	**A412_45.1 S3 MX3SA4**	280	**A412_45.1 P90 BE90S4**	**A412_45.1 P90 BX90S4**	281
33	302	1.4	43.4	7100	**A302_43.4 S3 ME3SA4**	**A302_43.4 S3 MX3SA4**	272	**A302_43.4 P90 BE90S4**	**A302_43.4 P90 BX90S4**	273
34	291	2.1	41.8	11400	**A352_41.8 S3 ME3SA4**	**A352_41.8 S3 MX3SA4**	276	**A352_41.8 P90 BE90S4**	**A352_41.8 P90 BX90S4**	277
36	276	0.9	39.6	4500	**A202_39.6 S3 ME3SA4**	**A202_39.6 S3 MX3SA4**	268	**A202_39.6 P90 BE90S4**	**A202_39.6 P90 BX90S4**	269
36	273	1.5	39.3	6970	**A302_39.3 S3 ME3SA4**	**A302_39.3 S3 MX3SA4**	272	**A302_39.3 P90 BE90S4**	**A302_39.3 P90 BX90S4**	273
39	255	1.6	36.6	6880	**A302_36.6 S3 ME3SA4**	**A302_36.6 S3 MX3SA4**	272	**A302_36.6 P90 BE90S4**	**A302_36.6 P90 BX90S4**	273
39	255	2.4	36.6	11100	**A352_36.6 S3 ME3SA4**	**A352_36.6 S3 MX3SA4**	276	**A352_36.6 P90 BE90S4**	**A352_36.6 P90 BX90S4**	277
40	250	3.1	35.9	14300	**A412_35.9 S3 ME3SA4**	**A412_35.9 S3 MX3SA4**	280	**A412_35.9 P90 BE90S4**	**A412_35.9 P90 BX90S4**	281
40	246	1.0	35.4	4380	**A202_35.4 S3 ME3SA4**	**A202_35.4 S3 MX3SA4**	268	**A202_35.4 P90 BE90S4**	**A202_35.4 P90 BX90S4**	269
43	233	1.8	33.4	6760	**A302_33.4 S3 ME3SA4**	**A302_33.4 S3 MX3SA4**	272	**A302_33.4 P90 BE90S4**	**A302_33.4 P90 BX90S4**	273
43	231	2.6	33.2	10800	**A352_33.2 S3 ME3SA4**	**A352_33.2 S3 MX3SA4**	276	**A352_33.2 P90 BE90S4**	**A352_33.2 P90 BX90S4**	277
46	218	1.1	31.3	4320	**A202_31.3 S3 ME3SA4**	**A202_31.3 S3 MX3SA4**	268	**A202_31.3 P90 BE90S4**	**A202_31.3 P90 BX90S4**	269
49	204	2.0	29.3	6580	**A302_29.3 S3 ME3SA4**	**A302_29.3 S3 MX3SA4**	272	**A302_29.3 P90 BE90S4**	**A302_29.3 P90 BX90S4**	273
49	203	1.2	29.2	4290	**A202_29.2 S3 ME3SA4**	**A202_29.2 S3 MX3SA4**	268	**A202_29.2 P90 BE90S4**	**A202_29.2 P90 BX90S4**	269
50	198	3.0	28.4	10400	**A352_28.4 S3 ME3SA4**	**A352_28.4 S3 MX3SA4**	276	**A352_28.4 P90 BE90S4**	**A352_28.4 P90 BX90S4**	277
54	185	2.2	26.5	6440	**A302_26.5 S3 ME3SA4**	**A302_26.5 S3 MX3SA4**	272	**A302_26.5 P90 BE90S4**	**A302_26.5 P90 BX90S4**	273
54	184	1.4	26.5	4230	**A202_26.5 S3 ME3SA4**	**A202_26.5 S3 MX3SA4**	268	**A202_26.5 P90 BE90S4**	**A202_26.5 P90 BX90S4**	269
56	179	3.4	25.7	10100	**A352_25.7 S3 ME3SA4**	**A352_25.7 S3 MX3SA4**	276	**A352_25.7 P90 BE90S4**	**A352_25.7 P90 BX90S4**	277
60	165	0.9	23.8	3640	**A102_23.8 S3 ME3SA4**	**A102_23.8 S3 MX3SA4**	264	**A102_23.8 P90 BE90S4**	**A102_23.8 P90 BX90S4**	265
62	161	1.6	23.1	4140	**A202_23.1 S3 ME3SA4**	**A202_23.1 S3 MX3SA4**	268	**A202_23.1 P90 BE90S4**	**A202_23.1 P90 BX90S4**	269
63	158	2.6	22.8	6220	**A302_22.8 S3 ME3SA4**	**A302_22.8 S3 MX3SA4**	272	**A302_22.8 P90 BE90S4**	**A302_22.8 P90 BX90S4**	273
67	149	1.0	21.4	4280	**A102_21.4 S3 ME3SA4**	**A102_21.4 S3 MX3SA4**	264	**A102_21.4 P90 BE90S4**	**A102_21.4 P90 BX90S4**	265
67	148	1.7	21.2	4080	**A202_21.2 S3 ME3SA4**	**A202_21.2 S3 MX3SA4**	268	**A202_21.2 P90 BE90S4**	**A202_21.2 P90 BX90S4**	269
70	143	2.9	20.5	6070	**A302_20.5 S3 ME3SA4**	**A302_20.5 S3 MX3SA4**	272	**A302_20.5 P90 BE90S4**	**A302_20.5 P90 BX90S4**	273
77	129	1.2	18.6	3540	**A102_18.6 S3 ME3SA4**	**A102_18.6 S3 MX3SA4**	264	**A102_18.6 P90 BE90S4**	**A102_18.6 P90 BX90S4**	265
79	126	2.0	18.1	3970	**A202_18.1 S3 ME3SA4**	**A202_18.1 S3 MX3SA4**	268	**A202_18.1 P90 BE90S4**	**A202_18.1 P90 BX90S4**	269
80	125	3.2	18.0	5880	**A302_18.0 S3 ME3SA4**	**A302_18.0 S3 MX3SA4**	272	**A302_18.0 P90 BE90S4**	**A302_18.0 P90 BX90S4**	273
87	114	1.3	16.4	4130	**A102_16.4 S3 ME3SA4**	**A102_16.4 S3 MX3SA4**	264	**A102_16.4 P90 BE90S4**	**A102_16.4 P90 BX90S4**	265
88	114	3.4	16.3	5740	**A302_16.3 S3 ME3SA4**	**A302_16.3 S3 MX3SA4**	272	**A302_16.3 P90 BE90S4**	**A302_16.3 P90 BX90S4**	273
88	112	2.2	16.2	3880	**A202_16.2 S3 ME3SA4**	**A202_16.2 S3 MX3SA4**	268	**A202_16.2 P90 BE90S4**	**A202_16.2 P90 BX90S4**	269
102	98	2.5	14.1	3770	**A202_14.1 S3 ME3SA4**	**A202_14.1 S3 MX3SA4**	268	**A202_14.1 P90 BE90S4**	**A202_14.1 P90 BX90S4**	269
103	97	1.5	13.9	3380	**A102_13.9 S3 ME3SA4**	**A102_13.9 S3 MX3SA4**	264	**A102_13.9 P90 BE90S4**	**A102_13.9 P90 BX90S4**	265
116	86	1.6	12.3	3300	**A102_12.3 S3 ME3SA4**	**A102_12.3 S3 MX3SA4**	264	**A102_12.3 P90 BE90S4**	**A102_12.3 P90 BX90S4**	265
120	83	2.5	12.0	3620	**A202_12.0 S3 ME3SA4**	**A202_12.0 S3 MX3SA4**	268	**A202_12.0 P90 BE90S4**	**A202_12.0 P90 BX90S4**	269
135	73	2.0	10.6	3210	**A102_10.6 S3 ME3SA4**	**A102_10.6 S3 MX3SA4**	264	**A102_10.6 P90 BE90S4**	**A102_10.6 P90 BX90S4**	265
138	72	3.1	10.3	3510	**A202_10.3 S3 ME3SA4**	**A202_10.3 S3 MX3SA4**	268	**A202_10.3 P90 BE90S4**	**A202_10.3 P90 BX90S4**	269
149	67	2.1	9.6	3140	**A102_9.6 S3 ME3SA4**	**A102_9.6 S3 MX3SA4**	264	**A102_9.6 P90 BE90S4**	**A102_9.6 P90 BX90S4**	265
153	65	3.2	9.4	3420	**A202_9.4 S3 ME3SA4**	**A202_9.4 S3 MX3SA4**	268	**A202_9.4 P90 BE90S4**	**A202_9.4 P90 BX90S4**	269
168	59	2.4	8.5	3630	**A102_8.5 S3 ME3SA4**	**A102_8.5 S3 MX3SA4**	264	**A102_8.5 P90 BE90S4**	**A102_8.5 P90 BX90S4**	265
198	50	2.8	7.2	2940	**A102_7.2 S3 ME3SA4**	**A102_7.2 S3 MX3SA4**	264	**A102_7.2 P90 BE90S4**	**A102_7.2 P90 BX90S4**	265
226	44	3.2	6.3	3390	**A102_6.3 S3 ME3SA4**	**A102_6.3 S3 MX3SA4**	264	**A102_6.3 P90 BE90S4**	**A102_6.3 P90 BX90S4**	265
230	43	3.3	12.3	2830	**A102_12.3 S2 ME2SB2**		264	**A102_12.3 P80 BE80B2**		265
294	34	2.8	9.6	1600	**A052_9.6 S2 ME2SB2**		261	**A052_9.6 P80 BE80B2**		261
332	30	3.0	8.5	1560	**A052_8.5 S2 ME2SB2**		261	**A052_8.5 P80 BE80B2**		261
392	25	3.4	7.2	1500	**A052_7.2 S2 ME2SB2**		261	**A052_7.2 P80 BE80B2**		261
447	22	3.6	6.3	1450	**A052_6.3 S2 ME2SB2**		261	**A052_6.3 P80 BE80B2**		261
518	19.1	3.9	5.5	1400	**A052_5.5 S2 ME2SB2**		261	**A052_5.5 P80 BE80B2**		261

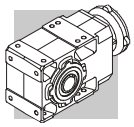
1.5 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE2	IE3		IE2	IEC IE3	
0.88	14528	1.0	1632	75000	**A904_1632 S3 ME3SB4**	**A904_1632 S3 MX3SB4**	302	**A904_1632 P90 BE90LA4**	**A904_1632 P90 BX90LA4**	303
0.95	13410	1.0	1507	75000	**A904_1507 S3 ME3SB4**	**A904_1507 S3 MX3SB4**	302	**A904_1507 P90 BE90LA4**	**A904_1507 P90 BX90LA4**	303
1.1	11784	1.2	1324	75000	**A904_1324 S3 ME3SB4**	**A904_1324 S3 MX3SB4**	302	**A904_1324 P90 BE90LA4**	**A904_1324 P90 BX90LA4**	303
1.2	10877	1.3	1222	75000	**A904_1222 S3 ME3SB4**	**A904_1222 S3 MX3SB4**	302	**A904_1222 P90 BE90LA4**	**A904_1222 P90 BX90LA4**	303
1.3	9884	1.4	1111	75000	**A904_1111 S3 ME3SB4**	**A904_1111 S3 MX3SB4**	302	**A904_1111 P90 BE90LA4**	**A904_1111 P90 BX90LA4**	303
1.4	9124	1.5	1025	75000	**A904_1025 S3 ME3SB4**	**A904_1025 S3 MX3SB4**	302	**A904_1025 P90 BE90LA4**	**A904_1025 P90 BX90LA4**	303
1.4	8913	0.9	1001	65000	**A804_1001 S3 ME3SB4**	**A804_1001 S3 MX3SB4**	299	**A804_1001 P90 BE90LA4**	**A804_1001 P90 BX90LA4**	300
1.5	8341	1.7	937.2	75000	**A904_937.2 S3 ME3SB4**	**A904_937.2 S3 MX3SB4**	302	**A904_937.2 P90 BE90LA4**	**A904_937.2 P90 BX90LA4**	303



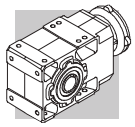
1.5 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE2	IE3		IEC IE2	IEC IE3	
1.6	7998	1.0	898.7	65000	**A804_898.7 S3 ME3SB4**	**A804_898.7 S3 MX3SB4**	299	**A804_898.7 P90 BE90LA4**	**A804_898.7 P90 BX90LA4**	300
1.7	7699	1.8	865.1	75000	**A904_865.1 S3 ME3SB4**	**A904_865.1 S3 MX3SB4**	302	**A904_865.1 P90 BE90LA4**	**A904_865.1 P90 BX90LA4**	303
1.7	7383	1.1	829.5	65000	**A804_829.5 S3 ME3SB4**	**A804_829.5 S3 MX3SB4**	299	**A804_829.5 P90 BE90LA4**	**A804_829.5 P90 BX90LA4**	300
1.9	6826	2.1	766.9	75000	**A904_766.9 S3 ME3SB4**	**A904_766.9 S3 MX3SB4**	302	**A904_766.9 P90 BE90LA4**	**A904_766.9 P90 BX90LA4**	303
1.9	6783	1.2	762.1	65000	**A804_762.1 S3 ME3SB4**	**A804_762.1 S3 MX3SB4**	299	**A804_762.1 P90 BE90LA4**	**A804_762.1 P90 BX90LA4**	300
2.0	6300	2.2	707.9	75000	**A904_707.9 S3 ME3SB4**	**A904_707.9 S3 MX3SB4**	302	**A904_707.9 P90 BE90LA4**	**A904_707.9 P90 BX90LA4**	303
2.0	6261	1.3	703.5	65000	**A804_703.5 S3 ME3SB4**	**A804_703.5 S3 MX3SB4**	299	**A804_703.5 P90 BE90LA4**	**A804_703.5 P90 BX90LA4**	300
2.2	5737	0.9	644.6	50000	**A704_644.6 S3 ME3SB4**	**A704_644.6 S3 MX3SB4**	296	**A704_644.6 P90 BE90LA4**	**A704_644.6 P90 BX90LA4**	297
2.4	5404	1.5	607.2	65000	**A804_607.2 S3 ME3SB4**	**A804_607.2 S3 MX3SB4**	299	**A804_607.2 P90 BE90LA4**	**A804_607.2 P90 BX90LA4**	300
2.4	5354	2.6	601.6	75000	**A904_601.6 S3 ME3SB4**	**A904_601.6 S3 MX3SB4**	302	**A904_601.6 P90 BE90LA4**	**A904_601.6 P90 BX90LA4**	303
2.4	5296	0.9	595.0	50000	**A704_595.0 S3 ME3SB4**	**A704_595.0 S3 MX3SB4**	296	**A704_595.0 P90 BE90LA4**	**A704_595.0 P90 BX90LA4**	297
2.6	4988	1.6	560.5	65000	**A804_560.5 S3 ME3SB4**	**A804_560.5 S3 MX3SB4**	299	**A804_560.5 P90 BE90LA4**	**A804_560.5 P90 BX90LA4**	300
2.6	4942	2.8	555.3	75000	**A904_555.3 S3 ME3SB4**	**A904_555.3 S3 MX3SB4**	302	**A904_555.3 P90 BE90LA4**	**A904_555.3 P90 BX90LA4**	303
2.8	4587	1.1	515.4	50000	**A704_515.4 S3 ME3SB4**	**A704_515.4 S3 MX3SB4**	296	**A704_515.4 P90 BE90LA4**	**A704_515.4 P90 BX90LA4**	297
2.9	4331	3.2	486.6	75000	**A904_486.6 S3 ME3SB4**	**A904_486.6 S3 MX3SB4**	302	**A904_486.6 P90 BE90LA4**	**A904_486.6 P90 BX90LA4**	303
3.0	4262	1.9	478.9	65000	**A804_478.9 S3 ME3SB4**	**A804_478.9 S3 MX3SB4**	299	**A804_478.9 P90 BE90LA4**	**A804_478.9 P90 BX90LA4**	300
3.0	4234	1.2	475.8	50000	**A704_475.8 S3 ME3SB4**	**A704_475.8 S3 MX3SB4**	296	**A704_475.8 P90 BE90LA4**	**A704_475.8 P90 BX90LA4**	297
3.2	3998	3.5	449.2	75000	**A904_449.2 S3 ME3SB4**	**A904_449.2 S3 MX3SB4**	302	**A904_449.2 P90 BE90LA4**	**A904_449.2 P90 BX90LA4**	303
3.2	3935	2.0	442.1	65000	**A804_442.1 S3 ME3SB4**	**A804_442.1 S3 MX3SB4**	299	**A804_442.1 P90 BE90LA4**	**A804_442.1 P90 BX90LA4**	300
3.6	3561	1.4	400.2	50000	**A704_400.2 S3 ME3SB4**	**A704_400.2 S3 MX3SB4**	296	**A704_400.2 P90 BE90LA4**	**A704_400.2 P90 BX90LA4**	297
3.7	3413	2.3	383.5	65000	**A804_383.5 S3 ME3SB4**	**A804_383.5 S3 MX3SB4**	299	**A804_383.5 P90 BE90LA4**	**A804_383.5 P90 BX90LA4**	300
3.9	3288	1.5	369.4	50000	**A704_369.4 S3 ME3SB4**	**A704_369.4 S3 MX3SB4**	296	**A704_369.4 P90 BE90LA4**	**A704_369.4 P90 BX90LA4**	297
4.0	3150	2.5	354.0	65000	**A804_354.0 S3 ME3SB4**	**A804_354.0 S3 MX3SB4**	299	**A804_354.0 P90 BE90LA4**	**A804_354.0 P90 BX90LA4**	300
4.1	3126	0.9	351.2	30000	**A604_351.2 S3 ME3SB4**	**A604_351.2 S3 MX3SB4**	292	**A604_351.2 P90 BE90LA4**	**A604_351.2 P90 BX90LA4**	293
4.4	2885	1.0	324.2	30000	**A604_324.2 S3 ME3SB4**	**A604_324.2 S3 MX3SB4**	292	**A604_324.2 P90 BE90LA4**	**A604_324.2 P90 BX90LA4**	293
4.5	2816	1.8	316.4	50000	**A704_316.4 S3 ME3SB4**	**A704_316.4 S3 MX3SB4**	296	**A704_316.4 P90 BE90LA4**	**A704_316.4 P90 BX90LA4**	297
4.8	2673	3.0	300.4	65000	**A804_300.4 S3 ME3SB4**	**A804_300.4 S3 MX3SB4**	299	**A804_300.4 P90 BE90LA4**	**A804_300.4 P90 BX90LA4**	300
4.9	2599	1.9	292.0	50000	**A704_292.0 S3 ME3SB4**	**A704_292.0 S3 MX3SB4**	296	**A704_292.0 P90 BE90LA4**	**A704_292.0 P90 BX90LA4**	297
5.0	2548	1.1	286.3	30000	**A604_286.3 S3 ME3SB4**	**A604_286.3 S3 MX3SB4**	292	**A604_286.3 P90 BE90LA4**	**A604_286.3 P90 BX90LA4**	293
5.2	2468	3.2	277.3	65000	**A804_277.3 S3 ME3SB4**	**A804_277.3 S3 MX3SB4**	299	**A804_277.3 P90 BE90LA4**	**A804_277.3 P90 BX90LA4**	300
5.4	2352	1.2	264.3	30000	**A604_264.3 S3 ME3SB4**	**A604_264.3 S3 MX3SB4**	292	**A604_264.3 P90 BE90LA4**	**A604_264.3 P90 BX90LA4**	293
6.0	2124	2.4	238.6	50000	**A704_238.6 S3 ME3SB4**	**A704_238.6 S3 MX3SB4**	296	**A704_238.6 P90 BE90LA4**	**A704_238.6 P90 BX90LA4**	297
6.3	2013	1.4	226.1	30000	**A604_226.1 S3 ME3SB4**	**A604_226.1 S3 MX3SB4**	292	**A604_226.1 P90 BE90LA4**	**A604_226.1 P90 BX90LA4**	293
6.5	1960	2.6	220.3	50000	**A704_220.3 S3 ME3SB4**	**A704_220.3 S3 MX3SB4**	296	**A704_220.3 P90 BE90LA4**	**A704_220.3 P90 BX90LA4**	297
6.9	1858	1.5	208.7	30000	**A604_208.7 S3 ME3SB4**	**A604_208.7 S3 MX3SB4**	292	**A604_208.7 P90 BE90LA4**	**A604_208.7 P90 BX90LA4**	293
6.9	1852	1.1	208.1	30000	**A554_208.1 S3 ME3SB4**	**A554_208.1 S3 MX3SB4**	288	**A554_208.1 P90 BE90LA4**	**A554_208.1 P90 BX90LA4**	289
7.4	1767	1.1	194.2	30000	**A553_194.2 S3 ME3SB4**	**A553_194.2 S3 MX3SB4**	288	**A553_194.2 P90 BE90LA4**	**A553_194.2 P90 BX90LA4**	289
7.7	1690	1.7	185.8	30000	**A603_185.8 S3 ME3SB4**	**A603_185.8 S3 MX3SB4**	292	**A603_185.8 P90 BE90LA4**	**A603_185.8 P90 BX90LA4**	293
7.8	1637	3.1	183.9	50000	**A704_183.9 S3 ME3SB4**	**A704_183.9 S3 MX3SB4**	296	**A704_183.9 P90 BE90LA4**	**A704_183.9 P90 BX90LA4**	297
8.2	1593	1.3	175.0	30000	**A553_175.0 S3 ME3SB4**	**A553_175.0 S3 MX3SB4**	288	**A553_175.0 P90 BE90LA4**	**A553_175.0 P90 BX90LA4**	289
8.2	1578	1.0	173.4	20000	**A503_173.4 S3 ME3SB4**	**A503_173.4 S3 MX3SB4**	284	**A503_173.4 P90 BE90LA4**	**A503_173.4 P90 BX90LA4**	285
8.3	1560	1.8	171.5	30000	**A603_171.5 S3 ME3SB4**	**A603_171.5 S3 MX3SB4**	292	**A603_171.5 P90 BE90LA4**	**A603_171.5 P90 BX90LA4**	293
8.4	1511	3.3	169.8	50000	**A704_169.8 S3 ME3SB4**	**A704_169.8 S3 MX3SB4**	296	**A704_169.8 P90 BE90LA4**	**A704_169.8 P90 BX90LA4**	297
8.9	1460	1.4	160.4	30000	**A553_160.4 S3 ME3SB4**	**A553_160.4 S3 MX3SB4**	288	**A553_160.4 P90 BE90LA4**	**A553_160.4 P90 BX90LA4**	289
9.2	1420	2.0	156.0	30000	**A603_156.0 S3 ME3SB4**	**A603_156.0 S3 MX3SB4**	292	**A603_156.0 P90 BE90LA4**	**A603_156.0 P90 BX90LA4**	293
9.3	1407	1.1	154.6	20000	**A503_154.6 S3 ME3SB4**	**A503_154.6 S3 MX3SB4**	284	**A503_154.6 P90 BE90LA4**	**A503_154.6 P90 BX90LA4**	285
9.3	1399	2.9	153.7	50000	**A703_153.7 S3 ME3SB4**	**A703_153.7 S3 MX3SB4**	296	**A703_153.7 P90 BE90LA4**	**A703_153.7 P90 BX90LA4**	297
9.7	1336	1.5	146.8	30000	**A553_146.8 S3 ME3SB4**	**A553_146.8 S3 MX3SB4**	288	**A553_146.8 P90 BE90LA4**	**A553_146.8 P90 BX90LA4**	289
9.9	1311	2.1	144.0	30000	**A603_144.0 S3 ME3SB4**	**A603_144.0 S3 MX3SB4**	292	**A603_144.0 P90 BE90LA4**	**A603_144.0 P90 BX90LA4**	293
10.2	1280	1.2	140.6	20000	**A503_140.6 S3 ME3SB4**	**A503_140.6 S3 MX3SB4**	284	**A503_140.6 P90 BE90LA4**	**A503_140.6 P90 BX90LA4**	285
10.7	1213	2.3	133.3	30000	**A603_133.3 S3 ME3SB4**	**A603_133.3 S3 MX3SB4**	292	**A603_133.3 P90 BE90LA4**	**A603_133.3 P90 BX90LA4**	293
10.8	1208	1.7	132.7	30000	**A553_132.7 S3 ME3SB4**	**A553_132.7 S3 MX3SB4**	288	**A553_132.7 P90 BE90LA4**	**A553_132.7 P90 BX90LA4**	289
11.0	1180	1.3	129.7	20000	**A503_129.7 S3 ME3SB4**	**A503_129.7 S3 MX3SB4**	284	**A503_129.7 P90 BE90LA4**	**A503_129.7 P90 BX90LA4**	285
11.5	1127	1.8	123.9	30000	**A553_123.9 S3 ME3SB4**	**A553_123.9 S3 MX3SB4**	288	**A553_123.9 P90 BE90LA4**	**A553_123.9 P90 BX90LA4**	289
11.6	1120	2.5	123.0	30000	**A603_123.0 S3 ME3SB4**	**A603_123.0 S3 MX3SB4**	292	**A603_123.0 P90 BE90LA4**	**A603_123.0 P90 BX90LA4**	293
12.1	1073	1.4	118.0	20000	**A503_118.0 S3 ME3SB4**	**A503_118.0 S3 MX3SB4**	284	**A503_118.0 P90 BE90LA4**	**A503_118.0 P90 BX90LA4**	285
13.1	996	1.5	109.4	20000	**A503_109.4 S3 ME3SB4**	**A503_109.4 S3 MX3SB4**	284	**A503_109.4 P90 BE90LA4**	**A503_109.4 P90 BX90LA4**	285
13.3	981	2.9	107.8	30000	**A603_107.8 S3 ME3SB4**	**A603_107.8 S3 MX3SB4**	292	**A603_107.8 P90 BE90LA4**	**A603_107.8 P90 BX90LA4**	293
14.1	923	2.2	101.4	30000	**A553_101.4 S3 ME3SB4**	**A553_101.4 S3 MX3SB4**	288	**A553_101.4 P90 BE90LA4**	**A553_101.4 P90 BX90LA4**	289
14.4	906	1.7	99.5	20000	**A503_99.5 S3 ME3SB4**	**A503_99.5 S3 MX3SB4**	284	**A503_99.5 P90 BE90LA4**	**A503_99.5 P90 BX90LA4**	285
14.4	906	3.1	99.5	30000	**A603_99.5 S3 ME3SB4**	**A603_99.5 S3 MX3SB4**	292	**A603_99.5 P90 BE90LA4**	**A603_99.5 P90 BX90LA4**	293
15.4	844	0.9	92.8	15000	**A413_92.8 S3 ME3SB4**	**A413_92.8 S3 MX3SB4**	280	**A413_92.8 P90 BE90LA4**	**A413_92.8 P90 BX90LA4**	281
16.0	815	1.8	89.5	20000	**A503_89.5 S3 ME3SB4**	**A503_89.5 S3 MX3SB4**	284	**A503_89.5 P90 BE90LA4**	**A503_89.5 P90 BX90LA4**	285
16.6	786	3.6	86.4	30000	**A603_86.4 S3 ME3SB4**	**A603_86.4 S3 MX3SB4**	292	**A603_86.4 P90 BE90LA4**	**A603_86.4 P90 BX90LA4**	293
17.6	741	2.0	81.5	20000	**A503_81.5 S3 ME3SB4**	**A503_81.5 S3 MX3SB4**	284	**A503_81.5 P90 BE90LA4**	**A503_81.5 P90 BX90LA4**	285
18.0	724	2.8	79.5	30000	**A553_79.5 S3 ME3SB4**	**A553_79.5 S3 MX3SB4**	288	**A553_79.5 P90 BE90LA4**	**A553_79.5 P90 BX90LA4**	289
18.0	745	1.1	79.2	15000	**A412_79.2 S3 ME3SB4**	**A412_79.2 S3 MX3SB4**	280	**A412_79.2 P90 BE90LA4**	**A412_79.2 P90 BX90LA4**	281



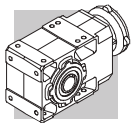
1.5 kW

n_2 min^{-1}	M_2 Nm	S	i	R_{n2} N	IE2	IE3		IE2	IEC IE3	
20.1	670	1.3	71.3	15000	**A412_71.3 S3 ME3SB4**	**A412_71.3 S3 MX3SB4**	280	**A412_71.3 P90 BE90LA4**	**A412_71.3 P90 BX90LA4**	281
20.4	639	2.3	70.2	20000	**A503_70.2 S3 ME3SB4**	**A503_70.2 S3 MX3SB4**	284	**A503_70.2 P90 BE90LA4**	**A503_70.2 P90 BX90LA4**	285
21.7	619	1.0	65.8	11600	**A352_65.8 S3 ME3SB4**	**A352_65.8 S3 MX3SB4**	276	**A352_65.8 P90 BE90LA4**	**A352_65.8 P90 BX90LA4**	277
22.2	585	3.4	64.3	30000	**A553_64.3 S3 ME3SB4**	**A553_64.3 S3 MX3SB4**	288	**A553_64.3 P90 BE90LA4**	**A553_64.3 P90 BX90LA4**	289
22.3	603	1.4	64.2	15000	**A412_64.2 S3 ME3SB4**	**A412_64.2 S3 MX3SB4**	280	**A412_64.2 P90 BE90LA4**	**A412_64.2 P90 BX90LA4**	281
22.4	581	2.6	63.9	20000	**A503_63.9 S3 ME3SB4**	**A503_63.9 S3 MX3SB4**	284	**A503_63.9 P90 BE90LA4**	**A503_63.9 P90 BX90LA4**	285
23.7	567	1.1	60.4	11500	**A352_60.4 S3 ME3SB4**	**A352_60.4 S3 MX3SB4**	276	**A352_60.4 P90 BE90LA4**	**A352_60.4 P90 BX90LA4**	277
24.3	553	1.5	58.8	15000	**A412_58.8 S3 ME3SB4**	**A412_58.8 S3 MX3SB4**	280	**A412_58.8 P90 BE90LA4**	**A412_58.8 P90 BX90LA4**	281
25.2	517	2.9	56.8	20000	**A503_56.8 S3 ME3SB4**	**A503_56.8 S3 MX3SB4**	284	**A503_56.8 P90 BE90LA4**	**A503_56.8 P90 BX90LA4**	285
26.3	510	1.2	54.3	11300	**A352_54.3 S3 ME3SB4**	**A352_54.3 S3 MX3SB4**	276	**A352_54.3 P90 BE90LA4**	**A352_54.3 P90 BX90LA4**	277
26.9	500	1.7	53.1	15000	**A412_53.1 S3 ME3SB4**	**A412_53.1 S3 MX3SB4**	280	**A412_53.1 P90 BE90LA4**	**A412_53.1 P90 BX90LA4**	281
27.7	470	3.2	51.7	19700	**A503_51.7 S3 ME3SB4**	**A503_51.7 S3 MX3SB4**	284	**A503_51.7 P90 BE90LA4**	**A503_51.7 P90 BX90LA4**	285
29.1	461	1.3	49.1	11100	**A352_49.1 S3 ME3SB4**	**A352_49.1 S3 MX3SB4**	276	**A352_49.1 P90 BE90LA4**	**A352_49.1 P90 BX90LA4**	277
29.6	454	0.9	48.3	6680	**A302_48.3 S3 ME3SB4**	**A302_48.3 S3 MX3SB4**	272	**A302_48.3 P90 BE90LA4**	**A302_48.3 P90 BX90LA4**	273
29.6	454	1.9	48.3	14900	**A412_48.3 S3 ME3SB4**	**A412_48.3 S3 MX3SB4**	280	**A412_48.3 P90 BE90LA4**	**A412_48.3 P90 BX90LA4**	281
31	431	1.4	45.8	11000	**A352_45.8 S3 ME3SB4**	**A352_45.8 S3 MX3SB4**	276	**A352_45.8 P90 BE90LA4**	**A352_45.8 P90 BX90LA4**	277
32	424	2.0	45.1	14600	**A412_45.1 S3 ME3SB4**	**A412_45.1 S3 MX3SB4**	280	**A412_45.1 P90 BE90LA4**	**A412_45.1 P90 BX90LA4**	281
33	408	1.0	43.4	6450	**A302_43.4 S3 ME3SB4**	**A302_43.4 S3 MX3SB4**	272	**A302_43.4 P90 BE90LA4**	**A302_43.4 P90 BX90LA4**	273
34	393	1.5	41.8	10800	**A352_41.8 S3 ME3SB4**	**A352_41.8 S3 MX3SB4**	276	**A352_41.8 P90 BE90LA4**	**A352_41.8 P90 BX90LA4**	277
36	369	1.1	39.3	6380	**A302_39.3 S3 ME3SB4**	**A302_39.3 S3 MX3SB4**	272	**A302_39.3 P90 BE90LA4**	**A302_39.3 P90 BX90LA4**	273
39	344	1.2	36.6	6330	**A302_36.6 S3 ME3SB4**	**A302_36.6 S3 MX3SB4**	272	**A302_36.6 P90 BE90LA4**	**A302_36.6 P90 BX90LA4**	273
39	344	1.7	36.6	10500	**A352_36.6 S3 ME3SB4**	**A352_36.6 S3 MX3SB4**	276	**A352_36.6 P90 BE90LA4**	**A352_36.6 P90 BX90LA4**	277
40	338	2.3	35.9	13800	**A412_35.9 S3 ME3SB4**	**A412_35.9 S3 MX3SB4**	280	**A412_35.9 P90 BE90LA4**	**A412_35.9 P90 BX90LA4**	281
43	314	1.3	33.4	6260	**A302_33.4 S3 ME3SB4**	**A302_33.4 S3 MX3SB4**	272	**A302_33.4 P90 BE90LA4**	**A302_33.4 P90 BX90LA4**	273
43	312	1.9	33.2	10300	**A352_33.2 S3 ME3SB4**	**A352_33.2 S3 MX3SB4**	276	**A352_33.2 P90 BE90LA4**	**A352_33.2 P90 BX90LA4**	277
49	275	1.5	29.3	6140	**A302_29.3 S3 ME3SB4**	**A302_29.3 S3 MX3SB4**	272	**A302_29.3 P90 BE90LA4**	**A302_29.3 P90 BX90LA4**	273
49	275	0.9	29.2	3820	**A202_29.2 S3 ME3SB4**	**A202_29.2 S3 MX3SB4**	268	**A202_29.2 P90 BE90LA4**	**A202_29.2 P90 BX90LA4**	269
50	267	2.2	28.4	9940	**A352_28.4 S3 ME3SB4**	**A352_28.4 S3 MX3SB4**	276	**A352_28.4 P90 BE90LA4**	**A352_28.4 P90 BX90LA4**	277
50	266	2.7	28.3	13000	**A412_28.3 S3 ME3SB4**	**A412_28.3 S3 MX3SB4**	280	**A412_28.3 P90 BE90LA4**	**A412_28.3 P90 BX90LA4**	281
54	249	1.6	26.5	6040	**A302_26.5 S3 ME3SB4**	**A302_26.5 S3 MX3SB4**	272	**A302_26.5 P90 BE90LA4**	**A302_26.5 P90 BX90LA4**	273
54	249	1.0	26.5	3790	**A202_26.5 S3 ME3SB4**	**A202_26.5 S3 MX3SB4**	268	**A202_26.5 P90 BE90LA4**	**A202_26.5 P90 BX90LA4**	269
56	241	2.5	25.7	9710	**A352_25.7 S3 ME3SB4**	**A352_25.7 S3 MX3SB4**	276	**A352_25.7 P90 BE90LA4**	**A352_25.7 P90 BX90LA4**	277
62	217	1.2	23.1	3760	**A202_23.1 S3 ME3SB4**	**A202_23.1 S3 MX3SB4**	268	**A202_23.1 P90 BE90LA4**	**A202_23.1 P90 BX90LA4**	269
63	214	1.9	22.8	5870	**A302_22.8 S3 ME3SB4**	**A302_22.8 S3 MX3SB4**	272	**A302_22.8 P90 BE90LA4**	**A302_22.8 P90 BX90LA4**	273
63	213	3.2	22.7	12200	**A412_22.7 S3 ME3SB4**	**A412_22.7 S3 MX3SB4**	280	**A412_22.7 P90 BE90LA4**	**A412_22.7 P90 BX90LA4**	281
64	211	2.8	22.5	9400	**A352_22.5 S3 ME3SB4**	**A352_22.5 S3 MX3SB4**	276	**A352_22.5 P90 BE90LA4**	**A352_22.5 P90 BX90LA4**	277
67	200	1.3	21.2	3730	**A202_21.2 S3 ME3SB4**	**A202_21.2 S3 MX3SB4**	268	**A202_21.2 P90 BE90LA4**	**A202_21.2 P90 BX90LA4**	269
70	193	2.1	20.5	5760	**A302_20.5 S3 ME3SB4**	**A302_20.5 S3 MX3SB4**	272	**A302_20.5 P90 BE90LA4**	**A302_20.5 P90 BX90LA4**	273
70	192	3.1	20.4	9170	**A352_20.4 S3 ME3SB4**	**A352_20.4 S3 MX3SB4**	276	**A352_20.4 P90 BE90LA4**	**A352_20.4 P90 BX90LA4**	277
79	170	1.5	18.1	3660	**A202_18.1 S3 ME3SB4**	**A202_18.1 S3 MX3SB4**	268	**A202_18.1 P90 BE90LA4**	**A202_18.1 P90 BX90LA4**	269
80	169	2.4	18.0	5600	**A302_18.0 S3 ME3SB4**	**A302_18.0 S3 MX3SB4**	272	**A302_18.0 P90 BE90LA4**	**A302_18.0 P90 BX90LA4**	273
87	155	1.0	16.4	3720	**A102_16.4 S3 ME3SB4**	**A102_16.4 S3 MX3SB4**	264	**A102_16.4 P90 BE90LA4**	**A102_16.4 P90 BX90LA4**	265
88	154	2.5	16.3	5480	**A302_16.3 S3 ME3SB4**	**A302_16.3 S3 MX3SB4**	272	**A302_16.3 P90 BE90LA4**	**A302_16.3 P90 BX90LA4**	273
88	152	1.6	16.2	3600	**A202_16.2 S3 ME3SB4**	**A202_16.2 S3 MX3SB4**	268	**A202_16.2 P90 BE90LA4**	**A202_16.2 P90 BX90LA4**	269
102	132	1.9	14.1	3530	**A202_14.1 S3 ME3SB4**	**A202_14.1 S3 MX3SB4**	268	**A202_14.1 P90 BE90LA4**	**A202_14.1 P90 BX90LA4**	269
103	131	1.1	13.9	3090	**A102_13.9 S3 ME3SB4**	**A102_13.9 S3 MX3SB4**	264	**A102_13.9 P90 BE90LA4**	**A102_13.9 P90 BX90LA4**	265
105	128	2.9	13.6	5250	**A302_13.6 S3 ME3SB4**	**A302_13.6 S3 MX3SB4**	272	**A302_13.6 P90 BE90LA4**	**A302_13.6 P90 BX90LA4**	273
116	116	1.2	12.3	3040	**A102_12.3 S3 ME3SB4**	**A102_12.3 S3 MX3SB4**	264	**A102_12.3 P90 BE90LA4**	**A102_12.3 P90 BX90LA4**	265
120	112	1.9	12.0	3420	**A202_12.0 S3 ME3SB4**	**A202_12.0 S3 MX3SB4**	268	**A202_12.0 P90 BE90LA4**	**A202_12.0 P90 BX90LA4**	269
121	111	2.7	11.8	5060	**A302_11.8 S3 ME3SB4**	**A302_11.8 S3 MX3SB4**	272	**A302_11.8 P90 BE90LA4**	**A302_11.8 P90 BX90LA4**	273
125	107	3.3	22.8	5040	**A302_22.8 S3 ME3SA2**		272	**A302_22.8 P90 BE90SA2**		273
135	99	1.5	10.6	2990	**A102_10.6 S3 ME3SB4**	**A102_10.6 S3 MX3SB4**	264	**A102_10.6 P90 BE90LA4**	**A102_10.6 P90 BX90LA4**	265
137	98	3.5	10.5	4930	**A302_10.5 S3 ME3SB4**	**A302_10.5 S3 MX3SB4**	272	**A302_10.5 P90 BE90LA4**	**A302_10.5 P90 BX90LA4**	273
138	97	2.3	10.3	3330	**A202_10.3 S3 ME3SB4**	**A202_10.3 S3 MX3SB4**	268	**A202_10.3 P90 BE90LA4**	**A202_10.3 P90 BX90LA4**	269
149	90	1.5	9.6	2940	**A102_9.6 S3 ME3SB4**	**A102_9.6 S3 MX3SB4**	264	**A102_9.6 P90 BE90LA4**	**A102_9.6 P90 BX90LA4**	265
153	88	2.4	9.4	3250	**A202_9.4 S3 ME3SB4**	**A202_9.4 S3 MX3SB4**	268	**A202_9.4 P90 BE90LA4**	**A202_9.4 P90 BX90LA4**	269
154	88	3.4	9.3	4770	**A302_9.3 S3 ME3SB4**	**A302_9.3 S3 MX3SB4**	272	**A302_9.3 P90 BE90LA4**	**A302_9.3 P90 BX90LA4**	273
168	80	1.7	8.5	3420	**A102_8.5 S3 ME3SB4**	**A102_8.5 S3 MX3SB4**	264	**A102_8.5 P90 BE90LA4**	**A102_8.5 P90 BX90LA4**	265
171	79	2.7	8.4	3180	**A202_8.4 S3 ME3SB4**	**A202_8.4 S3 MX3SB4**	268	**A202_8.4 P90 BE90LA4**	**A202_8.4 P90 BX90LA4**	269
196	69	3.1	7.3	3080	**A202_7.3 S3 ME3SB4**	**A202_7.3 S3 MX3SB4**	268	**A202_7.3 P90 BE90LA4**	**A202_7.3 P90 BX90LA4**	269
198	68	2.1	7.2	2790	**A102_7.2 S3 ME3SB4**	**A102_7.2 S3 MX3SB4**	264	**A102_7.2 P90 BE90LA4**	**A102_7.2 P90 BX90LA4**	265
219	61	3.4	6.5	3000	**A202_6.5 S3 ME3SB4**	**A202_6.5 S3 MX3SB4**	268	**A202_6.5 P90 BE90LA4**	**A202_6.5 P90 BX90LA4**	269
226	60	2.4	6.3	3220	**A102_6.3 S3 ME3SB4**	**A102_6.3 S3 MX3SB4**	264	**A102_6.3 P90 BE90LA4**	**A102_6.3 P90 BX90LA4**	265
262	51	2.7	5.5	2630	**A102_5.5 S3 ME3SB4**	**A102_5.5 S3 MX3SB4**	264	**A102_5.5 P90 BE90LA4**	**A102_5.5 P90 BX90LA4**	265
297	45	3.1	9.6	2560	**A102_9.6 S3 ME3SA2**		264	**A102_9.6 P90 BE90SA2**		265
335	40	3.5	8.5	2950	**A102_8.5 S3 ME3SA2**		264	**A102_8.5 P90 BE90SA2**		265



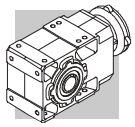
2.2 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE2	IE3		IEC IE2	IEC IE3	
1.2	15990	0.9	1222	75000	**A904_1222 S3 ME3LA4**	**A904_1222 S3 MX3LA4**	302	**A904_1222 P100 BE100LA4**	**A904_1222 P100 BX100LA4**	303
1.3	14530	1.0	1111	75000	**A904_1111 S3 ME3LA4**	**A904_1111 S3 MX3LA4**	302	**A904_1111 P100 BE100LA4**	**A904_1111 P100 BX100LA4**	303
1.4	13412	1.0	1025	75000	**A904_1025 S3 ME3LA4**	**A904_1025 S3 MX3LA4**	302	**A904_1025 P100 BE100LA4**	**A904_1025 P100 BX100LA4**	303
1.5	12261	1.1	937.2	75000	**A904_937.2 S3 ME3LA4**	**A904_937.2 S3 MX3LA4**	302	**A904_937.2 P100 BE100LA4**	**A904_937.2 P100 BX100LA4**	303
1.7	11318	1.2	865.1	75000	**A904_865.1 S3 ME3LA4**	**A904_865.1 S3 MX3LA4**	302	**A904_865.1 P100 BE100LA4**	**A904_865.1 P100 BX100LA4**	303
1.9	10034	1.4	766.9	75000	**A904_766.9 S3 ME3LA4**	**A904_766.9 S3 MX3LA4**	302	**A904_766.9 P100 BE100LA4**	**A904_766.9 P100 BX100LA4**	303
2.0	9262	1.5	707.9	75000	**A904_707.9 S3 ME3LA4**	**A904_707.9 S3 MX3LA4**	302	**A904_707.9 P100 BE100LA4**	**A904_707.9 P100 BX100LA4**	303
2.0	9203	0.9	703.5	65000	**A804_703.5 S3 ME3LA4**	**A804_703.5 S3 MX3LA4**	299	**A804_703.5 P100 BE100LA4**	**A804_703.5 P100 BX100LA4**	300
2.4	7943	1.0	607.2	65000	**A804_607.2 S3 ME3LA4**	**A804_607.2 S3 MX3LA4**	299	**A804_607.2 P100 BE100LA4**	**A804_607.2 P100 BX100LA4**	300
2.4	7870	1.8	601.6	75000	**A904_601.6 S3 ME3LA4**	**A904_601.6 S3 MX3LA4**	302	**A904_601.6 P100 BE100LA4**	**A904_601.6 P100 BX100LA4**	303
2.6	7332	1.1	560.5	65000	**A804_560.5 S3 ME3LA4**	**A804_560.5 S3 MX3LA4**	299	**A804_560.5 P100 BE100LA4**	**A804_560.5 P100 BX100LA4**	300
2.6	7265	1.9	555.3	75000	**A904_555.3 S3 ME3LA4**	**A904_555.3 S3 MX3LA4**	302	**A904_555.3 P100 BE100LA4**	**A904_555.3 P100 BX100LA4**	303
2.9	6366	2.2	486.6	75000	**A904_486.6 S3 ME3LA4**	**A904_486.6 S3 MX3LA4**	302	**A904_486.6 P100 BE100LA4**	**A904_486.6 P100 BX100LA4**	303
3.0	6266	1.3	478.9	65000	**A804_478.9 S3 ME3LA4**	**A804_478.9 S3 MX3LA4**	299	**A804_478.9 P100 BE100LA4**	**A804_478.9 P100 BX100LA4**	300
3.2	5876	2.4	449.2	75000	**A904_449.2 S3 ME3LA4**	**A904_449.2 S3 MX3LA4**	302	**A904_449.2 P100 BE100LA4**	**A904_449.2 P100 BX100LA4**	303
3.2	5784	1.4	442.1	65000	**A804_442.1 S3 ME3LA4**	**A804_442.1 S3 MX3LA4**	299	**A804_442.1 P100 BE100LA4**	**A804_442.1 P100 BX100LA4**	300
3.6	5235	1.0	400.2	50000	**A704_400.2 S3 ME3LA4**	**A704_400.2 S3 MX3LA4**	296	**A704_400.2 P100 BE100LA4**	**A704_400.2 P100 BX100LA4**	297
3.7	5043	2.8	385.4	75000	**A904_385.4 S3 ME3LA4**	**A904_385.4 S3 MX3LA4**	302	**A904_385.4 P100 BE100LA4**	**A904_385.4 P100 BX100LA4**	303
3.7	5017	1.6	383.5	65000	**A804_383.5 S3 ME3LA4**	**A804_383.5 S3 MX3LA4**	299	**A804_383.5 P100 BE100LA4**	**A804_383.5 P100 BX100LA4**	300
3.9	4833	1.0	369.4	50000	**A704_369.4 S3 ME3LA4**	**A704_369.4 S3 MX3LA4**	296	**A704_369.4 P100 BE100LA4**	**A704_369.4 P100 BX100LA4**	297
4.0	4655	3.0	355.8	75000	**A904_355.8 S3 ME3LA4**	**A904_355.8 S3 MX3LA4**	302	**A904_355.8 P100 BE100LA4**	**A904_355.8 P100 BX100LA4**	303
4.0	4631	1.7	354.0	65000	**A804_354.0 S3 ME3LA4**	**A804_354.0 S3 MX3LA4**	299	**A804_354.0 P100 BE100LA4**	**A804_354.0 P100 BX100LA4**	300
4.5	4139	1.2	316.4	50000	**A704_316.4 S3 ME3LA4**	**A704_316.4 S3 MX3LA4**	296	**A704_316.4 P100 BE100LA4**	**A704_316.4 P100 BX100LA4**	297
4.7	3989	3.5	304.9	75000	**A904_304.9 S3 ME3LA4**	**A904_304.9 S3 MX3LA4**	302	**A904_304.9 P100 BE100LA4**	**A904_304.9 P100 BX100LA4**	303
4.8	3930	2.0	300.4	65000	**A804_300.4 S3 ME3LA4**	**A804_300.4 S3 MX3LA4**	299	**A804_300.4 P100 BE100LA4**	**A804_300.4 P100 BX100LA4**	300
4.9	3820	1.3	292.0	50000	**A704_292.0 S3 ME3LA4**	**A704_292.0 S3 MX3LA4**	296	**A704_292.0 P100 BE100LA4**	**A704_292.0 P100 BX100LA4**	297
5.2	3628	2.2	277.3	65000	**A804_277.3 S3 ME3LA4**	**A804_277.3 S3 MX3LA4**	299	**A804_277.3 P100 BE100LA4**	**A804_277.3 P100 BX100LA4**	300
6.0	3122	1.6	238.6	50000	**A704_238.6 S3 ME3LA4**	**A704_238.6 S3 MX3LA4**	296	**A704_238.6 P100 BE100LA4**	**A704_238.6 P100 BX100LA4**	297
6.1	3043	2.6	232.6	65000	**A804_232.6 S3 ME3LA4**	**A804_232.6 S3 MX3LA4**	299	**A804_232.6 P100 BE100LA4**	**A804_232.6 P100 BX100LA4**	300
6.3	2958	0.9	226.1	30000	**A604_226.1 S3 ME3LA4**	**A604_226.1 S3 MX3LA4**	292	**A604_226.1 P100 BE100LA4**	**A604_226.1 P100 BX100LA4**	293
6.5	2882	1.7	220.3	50000	**A704_220.3 S3 ME3LA4**	**A704_220.3 S3 MX3LA4**	296	**A704_220.3 P100 BE100LA4**	**A704_220.3 P100 BX100LA4**	297
6.7	2809	2.8	214.7	65000	**A804_214.7 S3 ME3LA4**	**A804_214.7 S3 MX3LA4**	299	**A804_214.7 P100 BE100LA4**	**A804_214.7 P100 BX100LA4**	300
6.9	2731	1.0	208.7	30000	**A604_208.7 S3 ME3LA4**	**A604_208.7 S3 MX3LA4**	292	**A604_208.7 P100 BE100LA4**	**A604_208.7 P100 BX100LA4**	293
7.7	2485	1.1	185.8	30000	**A603_185.8 S3 ME3LA4**	**A603_185.8 S3 MX3LA4**	292	**A603_185.8 P100 BE100LA4**	**A603_185.8 P100 BX100LA4**	293
7.8	2406	2.1	183.9	50000	**A704_183.9 S3 ME3LA4**	**A704_183.9 S3 MX3LA4**	296	**A704_183.9 P100 BE100LA4**	**A704_183.9 P100 BX100LA4**	297
8.3	2294	1.2	171.5	30000	**A603_171.5 S3 ME3LA4**	**A603_171.5 S3 MX3LA4**	292	**A603_171.5 P100 BE100LA4**	**A603_171.5 P100 BX100LA4**	293
8.3	2241	3.6	171.3	65000	**A804_171.3 S3 ME3LA4**	**A804_171.3 S3 MX3LA4**	299	**A804_171.3 P100 BE100LA4**	**A804_171.3 P100 BX100LA4**	300
8.4	2221	2.3	169.8	50000	**A704_169.8 S3 ME3LA4**	**A704_169.8 S3 MX3LA4**	296	**A704_169.8 P100 BE100LA4**	**A704_169.8 P100 BX100LA4**	297
8.9	2146	0.9	160.4	30000	**A553_160.4 S3 ME3LA4**	**A553_160.4 S3 MX3LA4**	288	**A553_160.4 P100 BE100LA4**	**A553_160.4 P100 BX100LA4**	289
9.2	2087	1.3	156.0	30000	**A603_156.0 S3 ME3LA4**	**A603_156.0 S3 MX3LA4**	292	**A603_156.0 P100 BE100LA4**	**A603_156.0 P100 BX100LA4**	293
9.3	2056	2.0	153.7	50000	**A703_153.7 S3 ME3LA4**	**A703_153.7 S3 MX3LA4**	296	**A703_153.7 P100 BE100LA4**	**A703_153.7 P100 BX100LA4**	297
9.7	1964	1.0	146.8	30000	**A553_146.8 S3 ME3LA4**	**A553_146.8 S3 MX3LA4**	288	**A553_146.8 P100 BE100LA4**	**A553_146.8 P100 BX100LA4**	289
9.9	1927	1.5	144.0	30000	**A603_144.0 S3 ME3LA4**	**A603_144.0 S3 MX3LA4**	292	**A603_144.0 P100 BE100LA4**	**A603_144.0 P100 BX100LA4**	293
10.1	1898	2.6	141.9	50000	**A703_141.9 S3 ME3LA4**	**A703_141.9 S3 MX3LA4**	296	**A703_141.9 P100 BE100LA4**	**A703_141.9 P100 BX100LA4**	297
10.7	1783	1.6	133.3	30000	**A603_133.3 S3 ME3LA4**	**A603_133.3 S3 MX3LA4**	292	**A603_133.3 P100 BE100LA4**	**A603_133.3 P100 BX100LA4**	293
10.8	1776	1.1	132.7	30000	**A553_132.7 S3 ME3LA4**	**A553_132.7 S3 MX3LA4**	288	**A553_132.7 P100 BE100LA4**	**A553_132.7 P100 BX100LA4**	289
10.9	1748	2.9	130.7	50000	**A703_130.7 S3 ME3LA4**	**A703_130.7 S3 MX3LA4**	296	**A703_130.7 P100 BE100LA4**	**A703_130.7 P100 BX100LA4**	297
11.5	1657	1.2	123.9	30000	**A553_123.9 S3 ME3LA4**	**A553_123.9 S3 MX3LA4**	288	**A553_123.9 P100 BE100LA4**	**A553_123.9 P100 BX100LA4**	289
11.6	1646	1.7	123.0	30000	**A603_123.0 S3 ME3LA4**	**A603_123.0 S3 MX3LA4**	292	**A603_123.0 P100 BE100LA4**	**A603_123.0 P100 BX100LA4**	293
11.9	1613	3.1	120.6	50000	**A703_120.6 S3 ME3LA4**	**A703_120.6 S3 MX3LA4**	296	**A703_120.6 P100 BE100LA4**	**A703_120.6 P100 BX100LA4**	297
12.1	1578	1.0	118.0	20000	**A503_118.0 S3 ME3LA4**	**A503_118.0 S3 MX3LA4**	284	**A503_118.0 P100 BE100LA4**	**A503_118.0 P100 BX100LA4**	285
13.1	1464	1.0	109.4	20000	**A503_109.4 S3 ME3LA4**	**A503_109.4 S3 MX3LA4**	284	**A503_109.4 P100 BE100LA4**	**A503_109.4 P100 BX100LA4**	285
13.3	1442	1.9	107.8	30000	**A603_107.8 S3 ME3LA4**	**A603_107.8 S3 MX3LA4**	292	**A603_107.8 P100 BE100LA4**	**A603_107.8 P100 BX100LA4**	293
13.7	1394	3.6	104.2	50000	**A703_104.2 S3 ME3LA4**	**A703_104.2 S3 MX3LA4**	296	**A703_104.2 P100 BE100LA4**	**A703_104.2 P100 BX100LA4**	297
14.1	1356	1.5	101.4	30000	**A553_101.4 S3 ME3LA4**	**A553_101.4 S3 MX3LA4**	288	**A553_101.4 P100 BE100LA4**	**A553_101.4 P100 BX100LA4**	289
14.4	1331	1.1	99.5	20000	**A503_99.5 S3 ME3LA4**	**A503_99.5 S3 MX3LA4**	284	**A503_99.5 P100 BE100LA4**	**A503_99.5 P100 BX100LA4**	285
14.4	1331	2.1	99.5	30000	**A603_99.5 S3 ME3LA4**	**A603_99.5 S3 MX3LA4**	292	**A603_99.5 P100 BE100LA4**	**A603_99.5 P100 BX100LA4**	293



2.2 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE2	IE3		IEC IE2	IEC IE3	
16.0	1198	1.3	89.5	19800	**A503_89.5 S3 ME3LA4**	**A503_89.5 S3 MX3LA4**	284	**A503_89.5 P100 BE100LA4**	**A503_89.5 P100 BX100LA4**	285
16.6	1155	2.4	86.4	30000	**A603_86.4 S3 ME3LA4**	**A603_86.4 S3 MX3LA4**	292	**A603_86.4 P100 BE100LA4**	**A603_86.4 P100 BX100LA4**	293
17.6	1090	1.4	81.5	19600	**A503_81.5 S3 ME3LA4**	**A503_81.5 S3 MX3LA4**	284	**A503_81.5 P100 BE100LA4**	**A503_81.5 P100 BX100LA4**	285
17.9	1066	2.6	79.7	30000	**A603_79.7 S3 ME3LA4**	**A603_79.7 S3 MX3LA4**	292	**A603_79.7 P100 BE100LA4**	**A603_79.7 P100 BX100LA4**	293
18.0	1064	1.9	79.5	30000	**A553_79.5 S3 ME3LA4**	**A553_79.5 S3 MX3LA4**	288	**A553_79.5 P100 BE100LA4**	**A553_79.5 P100 BX100LA4**	289
20.3	942	3.0	70.4	30000	**A603_70.4 S3 ME3LA4**	**A603_70.4 S3 MX3LA4**	292	**A603_70.4 P100 BE100LA4**	**A603_70.4 P100 BX100LA4**	293
20.4	940	1.6	70.2	19300	**A503_70.2 S3 ME3LA4**	**A503_70.2 S3 MX3LA4**	284	**A503_70.2 P100 BE100LA4**	**A503_70.2 P100 BX100LA4**	285
22.0	869	3.2	65.0	30000	**A603_65.0 S3 ME3LA4**	**A603_65.0 S3 MX3LA4**	292	**A603_65.0 P100 BE100LA4**	**A603_65.0 P100 BX100LA4**	293
22.2	860	2.3	64.3	30000	**A553_64.3 S3 ME3LA4**	**A553_64.3 S3 MX3LA4**	288	**A553_64.3 P100 BE100LA4**	**A553_64.3 P100 BX100LA4**	289
22.3	887	1.0	64.2	14500	**A412_64.2 S3 ME3LA4**	**A412_64.2 S3 MX3LA4**	280	**A412_64.2 P100 BE100LA4**	**A412_64.2 P100 BX100LA4**	281
22.4	855	1.8	63.9	19000	**A503_63.9 S3 ME3LA4**	**A503_63.9 S3 MX3LA4**	284	**A503_63.9 P100 BE100LA4**	**A503_63.9 P100 BX100LA4**	285
24.3	813	1.0	58.8	14400	**A412_58.8 S3 ME3LA4**	**A412_58.8 S3 MX3LA4**	280	**A412_58.8 P100 BE100LA4**	**A412_58.8 P100 BX100LA4**	281
25.2	760	2.0	56.8	18600	**A503_56.8 S3 ME3LA4**	**A503_56.8 S3 MX3LA4**	284	**A503_56.8 P100 BE100LA4**	**A503_56.8 P100 BX100LA4**	285
26.9	734	1.2	53.1	14100	**A412_53.1 S3 ME3LA4**	**A412_53.1 S3 MX3LA4**	280	**A412_53.1 P100 BE100LA4**	**A412_53.1 P100 BX100LA4**	281
27.7	691	2.2	51.7	18300	**A503_51.7 S3 ME3LA4**	**A503_51.7 S3 MX3LA4**	284	**A503_51.7 P100 BE100LA4**	**A503_51.7 P100 BX100LA4**	285
28.1	682	2.9	51.0	30000	**A553_51.0 S3 ME3LA4**	**A553_51.0 S3 MX3LA4**	288	**A553_51.0 P100 BE100LA4**	**A553_51.0 P100 BX100LA4**	289
29.1	678	0.9	49.1	9900	**A352_49.1 S3 ME3LA4**	**A352_49.1 S3 MX3LA4**	276	**A352_49.1 P100 BE100LA4**	**A352_49.1 P100 BX100LA4**	277
29.6	667	1.3	48.3	13900	**A412_48.3 S3 ME3LA4**	**A412_48.3 S3 MX3LA4**	280	**A412_48.3 P100 BE100LA4**	**A412_48.3 P100 BX100LA4**	281
31	633	0.9	45.8	9840	**A352_45.8 S3 ME3LA4**	**A352_45.8 S3 MX3LA4**	276	**A352_45.8 P100 BE100LA4**	**A352_45.8 P100 BX100LA4**	277
32	623	1.3	45.1	13700	**A412_45.1 S3 ME3LA4**	**A412_45.1 S3 MX3LA4**	280	**A412_45.1 P100 BE100LA4**	**A412_45.1 P100 BX100LA4**	281
32	602	2.5	45.0	17900	**A503_45.0 S3 ME3LA4**	**A503_45.0 S3 MX3LA4**	284	**A503_45.0 P100 BE100LA4**	**A503_45.0 P100 BX100LA4**	285
34	577	1.0	41.8	9750	**A352_41.8 S3 ME3LA4**	**A352_41.8 S3 MX3LA4**	276	**A352_41.8 P100 BE100LA4**	**A352_41.8 P100 BX100LA4**	277
35	548	2.7	40.9	17500	**A503_40.9 S3 ME3LA4**	**A503_40.9 S3 MX3LA4**	284	**A503_40.9 P100 BE100LA4**	**A503_40.9 P100 BX100LA4**	285
39	506	1.2	36.6	9600	**A352_36.6 S3 ME3LA4**	**A352_36.6 S3 MX3LA4**	276	**A352_36.6 P100 BE100LA4**	**A352_36.6 P100 BX100LA4**	277
40	496	1.6	35.9	13100	**A412_35.9 S3 ME3LA4**	**A412_35.9 S3 MX3LA4**	280	**A412_35.9 P100 BE100LA4**	**A412_35.9 P100 BX100LA4**	281
40	476	3.1	35.6	17000	**A503_35.6 S3 ME3LA4**	**A503_35.6 S3 MX3LA4**	284	**A503_35.6 P100 BE100LA4**	**A503_35.6 P100 BX100LA4**	285
43	462	0.9	33.4	5050	**A302_33.4 S3 ME3LA4**	**A302_33.4 S3 MX3LA4**	272	**A302_33.4 P100 BE100LA4**	**A302_33.4 P100 BX100LA4**	273
43	458	1.3	33.2	9460	**A352_33.2 S3 ME3LA4**	**A352_33.2 S3 MX3LA4**	276	**A352_33.2 P100 BE100LA4**	**A352_33.2 P100 BX100LA4**	277
44	433	3.5	32.4	16600	**A503_32.4 S3 ME3LA4**	**A503_32.4 S3 MX3LA4**	284	**A503_32.4 P100 BE100LA4**	**A503_32.4 P100 BX100LA4**	285
49	405	1.0	29.3	5380	**A302_29.3 S3 ME3LA4**	**A302_29.3 S3 MX3LA4**	272	**A302_29.3 P100 BE100LA4**	**A302_29.3 P100 BX100LA4**	273
50	393	1.5	28.4	9230	**A352_28.4 S3 ME3LA4**	**A352_28.4 S3 MX3LA4**	276	**A352_28.4 P100 BE100LA4**	**A352_28.4 P100 BX100LA4**	277
50	391	1.9	28.3	12400	**A412_28.3 S3 ME3LA4**	**A412_28.3 S3 MX3LA4**	280	**A412_28.3 P100 BE100LA4**	**A412_28.3 P100 BX100LA4**	281
54	367	1.1	26.5	5350	**A302_26.5 S3 ME3LA4**	**A302_26.5 S3 MX3LA4**	272	**A302_26.5 P100 BE100LA4**	**A302_26.5 P100 BX100LA4**	273
56	355	1.7	25.7	9070	**A352_25.7 S3 ME3LA4**	**A352_25.7 S3 MX3LA4**	276	**A352_25.7 P100 BE100LA4**	**A352_25.7 P100 BX100LA4**	277
63	314	1.3	22.8	5290	**A302_22.8 S3 ME3LA4**	**A302_22.8 S3 MX3LA4**	272	**A302_22.8 P100 BE100LA4**	**A302_22.8 P100 BX100LA4**	273
63	313	2.2	22.7	11700	**A412_22.7 S3 ME3LA4**	**A412_22.7 S3 MX3LA4**	280	**A412_22.7 P100 BE100LA4**	**A412_22.7 P100 BX100LA4**	281
64	311	1.9	22.5	8840	**A352_22.5 S3 ME3LA4**	**A352_22.5 S3 MX3LA4**	276	**A352_22.5 P100 BE100LA4**	**A352_22.5 P100 BX100LA4**	277
70	284	1.4	20.5	5230	**A302_20.5 S3 ME3LA4**	**A302_20.5 S3 MX3LA4**	272	**A302_20.5 P100 BE100LA4**	**A302_20.5 P100 BX100LA4**	273
70	282	2.1	20.4	8660	**A352_20.4 S3 ME3LA4**	**A352_20.4 S3 MX3LA4**	276	**A352_20.4 P100 BE100LA4**	**A352_20.4 P100 BX100LA4**	277
79	250	1.0	18.1	3140	**A202_18.1 S3 ME3LA4**	**A202_18.1 S3 MX3LA4**	268	**A202_18.1 P100 BE100LA4**	**A202_18.1 P100 BX100LA4**	269
80	249	1.6	18.0	5140	**A302_18.0 S3 ME3LA4**	**A302_18.0 S3 MX3LA4**	272	**A302_18.0 P100 BE100LA4**	**A302_18.0 P100 BX100LA4**	273
81	245	2.6	17.8	11000	**A412_17.8 S3 ME3LA4**	**A412_17.8 S3 MX3LA4**	280	**A412_17.8 P100 BE100LA4**	**A412_17.8 P100 BX100LA4**	281
84	234	2.6	17.0	8320	**A352_17.0 S3 ME3LA4**	**A352_17.0 S3 MX3LA4**	276	**A352_17.0 P100 BE100LA4**	**A352_17.0 P100 BX100LA4**	277
88	226	1.7	16.3	5060	**A302_16.3 S3 ME3LA4**	**A302_16.3 S3 MX3LA4**	272	**A302_16.3 P100 BE100LA4**	**A302_16.3 P100 BX100LA4**	273
88	223	1.1	16.2	3140	**A202_16.2 S3 ME3LA4**	**A202_16.2 S3 MX3LA4**	268	**A202_16.2 P100 BE100LA4**	**A202_16.2 P100 BX100LA4**	269
89	222	2.7	16.1	10800	**A412_16.1 S3 ME3LA4**	**A412_16.1 S3 MX3LA4**	280	**A412_16.1 P100 BE100LA4**	**A412_16.1 P100 BX100LA4**	281
92	214	2.8	15.5	8150	**A352_15.5 S3 ME3LA4**	**A352_15.5 S3 MX3LA4**	276	**A352_15.5 P100 BE100LA4**	**A352_15.5 P100 BX100LA4**	277
102	194	1.3	14.1	3120	**A202_14.1 S3 ME3LA4**	**A202_14.1 S3 MX3LA4**	268	**A202_14.1 P100 BE100LA4**	**A202_14.1 P100 BX100LA4**	269
104	190	3.1	13.8	10300	**A412_13.8 S3 ME3LA4**	**A412_13.8 S3 MX3LA4**	280	**A412_13.8 P100 BE100LA4**	**A412_13.8 P100 BX100LA4**	281
105	187	2.0	13.6	4900	**A302_13.6 S3 ME3LA4**	**A302_13.6 S3 MX3LA4**	272	**A302_13.6 P100 BE100LA4**	**A302_13.6 P100 BX100LA4**	273
109	181	3.3	13.1	7820	**A352_13.1 S3 ME3LA4**	**A352_13.1 S3 MX3LA4**	276	**A352_13.1 P100 BE100LA4**	**A352_13.1 P100 BX100LA4**	277
120	165	1.3	12.0	3070	**A202_12.0 S3 ME3LA4**	**A202_12.0 S3 MX3LA4**	268	**A202_12.0 P100 BE100LA4**	**A202_12.0 P100 BX100LA4**	269
121	163	1.8	11.8	4750	**A302_11.8 S3 ME3LA4**	**A302_11.8 S3 MX3LA4**	272	**A302_11.8 P100 BE100LA4**	**A302_11.8 P100 BX100LA4**	273
121	163	2.5	11.8	7710	**A352_11.8 S3 ME3LA4**	**A352_11.8 S3 MX3LA4**	276	**A352_11.8 P100 BE100LA4**	**A352_11.8 P100 BX100LA4**	277
122	162	3.4	11.7	9870	**A412_11.7 S3 ME3LA4**	**A412_11.7 S3 MX3LA4**	280	**A412_11.7 P100 BE100LA4**	**A412_11.7 P100 BX100LA4**	281
124	159	2.0	23.1	3070	**A202_23.1 S3 ME3LA2**		268	**A202_23.1 P90 BE90L2**		269
134	147	2.7	10.6	7510	**A352_10.6 S3 ME3LA4**	**A352_10.6 S3 MX3LA4**	276	**A352_10.6 P100 BE100LA4**	**A352_10.6 P100 BX100LA4**	277

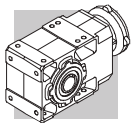


2.2 kW

n_2 min^{-1}	M_2 Nm	S	i	R_{n2} N	IE2	IE3		IEC IE2	IEC IE3	
135	146	1.0	10.6	2600	**A102_10.6 S3 ME3LA4**	**A102_10.6 S3 MX3LA4**	264	**A102_10.6 P100 BE100LA4**	**A102_10.6 P100 BX100LA4**	265
137	144	2.4	10.5	4660	**A302_10.5 S3 ME3LA4**	**A302_10.5 S3 MX3LA4**	272	**A302_10.5 P100 BE100LA4**	**A302_10.5 P100 BX100LA4**	273
138	143	1.6	10.3	3030	**A202_10.3 S3 ME3LA4**	**A202_10.3 S3 MX3LA4**	268	**A202_10.3 P100 BE100LA4**	**A202_10.3 P100 BX100LA4**	269
149	133	1.1	9.6	2580	**A102_9.6 S3 ME3LA4**	**A102_9.6 S3 MX3LA4**	264	**A102_9.6 P100 BE100LA4**	**A102_9.6 P100 BX100LA4**	265
153	130	1.6	9.4	2980	**A202_9.4 S3 ME3LA4**	**A202_9.4 S3 MX3LA4**	268	**A202_9.4 P100 BE100LA4**	**A202_9.4 P100 BX100LA4**	269
154	129	2.3	9.3	4530	**A302_9.3 S3 ME3LA4**	**A302_9.3 S3 MX3LA4**	272	**A302_9.3 P100 BE100LA4**	**A302_9.3 P100 BX100LA4**	273
154	129	3.1	9.3	7240	**A352_9.3 S3 ME3LA4**	**A352_9.3 S3 MX3LA4**	276	**A352_9.3 P100 BE100LA4**	**A352_9.3 P100 BX100LA4**	277
168	118	1.2	8.5	3050	**A102_8.5 S3 ME3LA4**	**A102_8.5 S3 MX3LA4**	264	**A102_8.5 P100 BE100LA4**	**A102_8.5 P100 BX100LA4**	265
169	117	2.6	8.5	4430	**A302_8.5 S3 ME3LA4**	**A302_8.5 S3 MX3LA4**	272	**A302_8.5 P100 BE100LA4**	**A302_8.5 P100 BX100LA4**	273
169	117	3.3	8.5	7060	**A352_8.5 S3 ME3LA4**	**A352_8.5 S3 MX3LA4**	276	**A352_8.5 P100 BE100LA4**	**A352_8.5 P100 BX100LA4**	277
171	116	1.8	8.4	2930	**A202_8.4 S3 ME3LA4**	**A202_8.4 S3 MX3LA4**	268	**A202_8.4 P100 BE100LA4**	**A202_8.4 P100 BX100LA4**	269
196	101	2.1	7.3	2860	**A202_7.3 S3 ME3LA4**	**A202_7.3 S3 MX3LA4**	268	**A202_7.3 P100 BE100LA4**	**A202_7.3 P100 BX100LA4**	269
198	100	1.4	7.2	2520	**A102_7.2 S3 ME3LA4**	**A102_7.2 S3 MX3LA4**	264	**A102_7.2 P100 BE100LA4**	**A102_7.2 P100 BX100LA4**	265
204	97	3.1	7.0	4240	**A302_7.0 S3 ME3LA4**	**A302_7.0 S3 MX3LA4**	272	**A302_7.0 P100 BE100LA4**	**A302_7.0 P100 BX100LA4**	273
219	90	2.3	6.5	2810	**A202_6.5 S3 ME3LA4**	**A202_6.5 S3 MX3LA4**	268	**A202_6.5 P100 BE100LA4**	**A202_6.5 P100 BX100LA4**	269
223	89	3.4	6.4	4150	**A302_6.4 S3 ME3LA4**	**A302_6.4 S3 MX3LA4**	272	**A302_6.4 P100 BE100LA4**	**A302_6.4 P100 BX100LA4**	273
226	88	1.6	6.3	2950	**A102_6.3 S3 ME3LA4**	**A102_6.3 S3 MX3LA4**	264	**A102_6.3 P100 BE100LA4**	**A102_6.3 P100 BX100LA4**	265
262	76	1.9	5.5	2430	**A102_5.5 S3 ME3LA4**	**A102_5.5 S3 MX3LA4**	264	**A102_5.5 P100 BE100LA4**	**A102_5.5 P100 BX100LA4**	265
267	74	2.8	5.4	2700	**A202_5.4 S3 ME3LA4**	**A202_5.4 S3 MX3LA4**	268	**A202_5.4 P100 BE100LA4**	**A202_5.4 P100 BX100LA4**	269
306	65	3.2	9.4	2620	**A202_9.4 S3 ME3LA2**		268	**A202_9.4 P90 BE90L2**		269

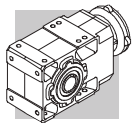
3 kW

n_2 min^{-1}	M_2 Nm	S	i	R_{n2} N	IE2	IE3		IEC IE2	IEC IE3	
1.7	15399	0.9	865.1	75000	**A904_865.1 S3 ME3LB4**	**A904_865.1 S3 MX3LB4**	302	**A904_865.1 P100 BE100LB4**	**A904_865.1 P100 BX100LB4**	303
1.9	13651	1.0	766.9	75000	**A904_766.9 S3 ME3LB4**	**A904_766.9 S3 MX3LB4**	302	**A904_766.9 P100 BE100LB4**	**A904_766.9 P100 BX100LB4**	303
2.0	12601	1.1	707.9	75000	**A904_707.9 S3 ME3LB4**	**A904_707.9 S3 MX3LB4**	302	**A904_707.9 P100 BE100LB4**	**A904_707.9 P100 BX100LB4**	303
2.4	10708	1.3	601.6	75000	**A904_601.6 S3 ME3LB4**	**A904_601.6 S3 MX3LB4**	302	**A904_601.6 P100 BE100LB4**	**A904_601.6 P100 BX100LB4**	303
2.6	9884	1.4	555.3	75000	**A904_555.3 S3 ME3LB4**	**A904_555.3 S3 MX3LB4**	302	**A904_555.3 P100 BE100LB4**	**A904_555.3 P100 BX100LB4**	303
3.0	8661	1.6	486.6	75000	**A904_486.6 S3 ME3LB4**	**A904_486.6 S3 MX3LB4**	302	**A904_486.6 P100 BE100LB4**	**A904_486.6 P100 BX100LB4**	303
3.0	8525	0.9	478.9	65000	**A804_478.9 S3 ME3LB4**	**A804_478.9 S3 MX3LB4**	299	**A804_478.9 P100 BE100LB4**	**A804_478.9 P100 BX100LB4**	300
3.2	7995	1.8	449.2	75000	**A904_449.2 S3 ME3LB4**	**A904_449.2 S3 MX3LB4**	302	**A904_449.2 P100 BE100LB4**	**A904_449.2 P100 BX100LB4**	303
3.3	7869	1.0	442.1	65000	**A804_442.1 S3 ME3LB4**	**A804_442.1 S3 MX3LB4**	299	**A804_442.1 P100 BE100LB4**	**A804_442.1 P100 BX100LB4**	300
3.7	6861	2.0	385.4	75000	**A904_385.4 S3 ME3LB4**	**A904_385.4 S3 MX3LB4**	302	**A904_385.4 P100 BE100LB4**	**A904_385.4 P100 BX100LB4**	303
3.8	6826	1.2	383.5	65000	**A804_383.5 S3 ME3LB4**	**A804_383.5 S3 MX3LB4**	299	**A804_383.5 P100 BE100LB4**	**A804_383.5 P100 BX100LB4**	300
4.0	6333	2.2	355.8	75000	**A904_355.8 S3 ME3LB4**	**A904_355.8 S3 MX3LB4**	302	**A904_355.8 P100 BE100LB4**	**A904_355.8 P100 BX100LB4**	303
4.1	6301	1.3	354.0	65000	**A804_354.0 S3 ME3LB4**	**A804_354.0 S3 MX3LB4**	299	**A804_354.0 P100 BE100LB4**	**A804_354.0 P100 BX100LB4**	300
4.6	5631	0.9	316.4	50000	**A704_316.4 S3 ME3LB4**	**A704_316.4 S3 MX3LB4**	296	**A704_316.4 P100 BE100LB4**	**A704_316.4 P100 BX100LB4**	297
4.7	5427	2.6	304.9	75000	**A904_304.9 S3 ME3LB4**	**A904_304.9 S3 MX3LB4**	302	**A904_304.9 P100 BE100LB4**	**A904_304.9 P100 BX100LB4**	303
4.8	5347	1.5	300.4	65000	**A804_300.4 S3 ME3LB4**	**A804_300.4 S3 MX3LB4**	299	**A804_300.4 P100 BE100LB4**	**A804_300.4 P100 BX100LB4**	300
4.9	5198	1.0	292.0	50000	**A704_292.0 S3 ME3LB4**	**A704_292.0 S3 MX3LB4**	296	**A704_292.0 P100 BE100LB4**	**A704_292.0 P100 BX100LB4**	297
5.1	5010	2.8	281.4	75000	**A904_281.4 S3 ME3LB4**	**A904_281.4 S3 MX3LB4**	302	**A904_281.4 P100 BE100LB4**	**A904_281.4 P100 BX100LB4**	303
5.2	4936	1.6	277.3	65000	**A804_277.3 S3 ME3LB4**	**A804_277.3 S3 MX3LB4**	299	**A804_277.3 P100 BE100LB4**	**A804_277.3 P100 BX100LB4**	300
6.0	4247	1.2	238.6	50000	**A704_238.6 S3 ME3LB4**	**A704_238.6 S3 MX3LB4**	296	**A704_238.6 P100 BE100LB4**	**A704_238.6 P100 BX100LB4**	297
6.2	4141	1.9	232.6	65000	**A804_232.6 S3 ME3LB4**	**A804_232.6 S3 MX3LB4**	299	**A804_232.6 P100 BE100LB4**	**A804_232.6 P100 BX100LB4**	300
6.4	4030	3.5	226.4	75000	**A904_226.4 S3 ME3LB4**	**A904_226.4 S3 MX3LB4**	302	**A904_226.4 P100 BE100LB4**	**A904_226.4 P100 BX100LB4**	303
6.5	3921	1.3	220.3	50000	**A704_220.3 S3 ME3LB4**	**A704_220.3 S3 MX3LB4**	296	**A704_220.3 P100 BE100LB4**	**A704_220.3 P100 BX100LB4**	297
6.7	3822	2.1	214.7	65000	**A804_214.7 S3 ME3LB4**	**A804_214.7 S3 MX3LB4**	299	**A804_214.7 P100 BE100LB4**	**A804_214.7 P100 BX100LB4**	300
7.8	3273	1.5	183.9	50000	**A704_183.9 S3 ME3LB4**	**A704_183.9 S3 MX3LB4**	296	**A704_183.9 P100 BE100LB4**	**A704_183.9 P100 BX100LB4**	297
8.4	3121	0.9	171.5	30000	**A603_171.5 S3 ME3LB4**	**A603_171.5 S3 MX3LB4**	292	**A603_171.5 P100 BE100LB4**	**A603_171.5 P100 BX100LB4**	293
8.4	3049	2.6	171.3	65000	**A804_171.3 S3 ME3LB4**	**A804_171.3 S3 MX3LB4**	299	**A804_171.3 P100 BE100LB4**	**A804_171.3 P100 BX100LB4**	300
8.5	3022	1.7	169.8	50000	**A704_169.8 S3 ME3LB4**	**A704_169.8 S3 MX3LB4**	296	**A704_169.8 P100 BE100LB4**	**A704_169.8 P100 BX100LB4**	297



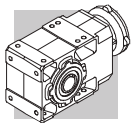
3 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE2	IE3		IEC IE2	IEC IE3	
9.2	2854	2.8	156.8	65000	**A803_156.8 S3 ME3LB4**	**A803_156.8 S3 MX3LB4**	299	**A803_156.8 P100 BE100LB4**	**A803_156.8 P100 BX100LB4**	300
9.2	2840	1.0	156.0	30000	**A603_156.0 S3 ME3LB4**	**A603_156.0 S3 MX3LB4**	292	**A603_156.0 P100 BE100LB4**	**A603_156.0 P100 BX100LB4**	293
9.4	2797	1.4	153.7	50000	**A703_153.7 S3 ME3LB4**	**A703_153.7 S3 MX3LB4**	296	**A703_153.7 P100 BE100LB4**	**A703_153.7 P100 BX100LB4**	297
9.9	2634	3.0	144.7	65000	**A803_144.7 S3 ME3LB4**	**A803_144.7 S3 MX3LB4**	299	**A803_144.7 P100 BE100LB4**	**A803_144.7 P100 BX100LB4**	300
10.0	2622	1.1	144.0	30000	**A603_144.0 S3 ME3LB4**	**A603_144.0 S3 MX3LB4**	292	**A603_144.0 P100 BE100LB4**	**A603_144.0 P100 BX100LB4**	293
10.2	2582	1.9	141.9	50000	**A703_141.9 S3 ME3LB4**	**A703_141.9 S3 MX3LB4**	296	**A703_141.9 P100 BE100LB4**	**A703_141.9 P100 BX100LB4**	297
10.8	2426	1.2	133.3	30000	**A603_133.3 S3 ME3LB4**	**A603_133.3 S3 MX3LB4**	292	**A603_133.3 P100 BE100LB4**	**A603_133.3 P100 BX100LB4**	293
11.0	2378	2.1	130.7	50000	**A703_130.7 S3 ME3LB4**	**A703_130.7 S3 MX3LB4**	296	**A703_130.7 P100 BE100LB4**	**A703_130.7 P100 BX100LB4**	297
11.5	2286	3.5	125.6	65000	**A803_125.6 S3 ME3LB4**	**A803_125.6 S3 MX3LB4**	299	**A803_125.6 P100 BE100LB4**	**A803_125.6 P100 BX100LB4**	300
11.6	2255	0.9	123.9	30000	**A553_123.9 S3 ME3LB4**	**A553_123.9 S3 MX3LB4**	288	**A553_123.9 P100 BE100LB4**	**A553_123.9 P100 BX100LB4**	289
11.7	2239	1.3	123.0	30000	**A603_123.0 S3 ME3LB4**	**A603_123.0 S3 MX3LB4**	292	**A603_123.0 P100 BE100LB4**	**A603_123.0 P100 BX100LB4**	293
11.9	2195	2.3	120.6	50000	**A703_120.6 S3 ME3LB4**	**A703_120.6 S3 MX3LB4**	296	**A703_120.6 P100 BE100LB4**	**A703_120.6 P100 BX100LB4**	297
13.4	1962	1.4	107.8	30000	**A603_107.8 S3 ME3LB4**	**A603_107.8 S3 MX3LB4**	292	**A603_107.8 P100 BE100LB4**	**A603_107.8 P100 BX100LB4**	293
13.8	1897	2.6	104.2	50000	**A703_104.2 S3 ME3LB4**	**A703_104.2 S3 MX3LB4**	296	**A703_104.2 P100 BE100LB4**	**A703_104.2 P100 BX100LB4**	297
14.2	1845	1.1	101.4	30000	**A553_101.4 S3 ME3LB4**	**A553_101.4 S3 MX3LB4**	288	**A553_101.4 P100 BE100LB4**	**A553_101.4 P100 BX100LB4**	289
14.5	1811	1.5	99.5	30000	**A603_99.5 S3 ME3LB4**	**A603_99.5 S3 MX3LB4**	292	**A603_99.5 P100 BE100LB4**	**A603_99.5 P100 BX100LB4**	293
15.0	1751	2.9	96.2	50000	**A703_96.2 S3 ME3LB4**	**A703_96.2 S3 MX3LB4**	296	**A703_96.2 P100 BE100LB4**	**A703_96.2 P100 BX100LB4**	297
16.1	1630	0.9	89.5	17100	**A503_89.5 S3 ME3LB4**	**A503_89.5 S3 MX3LB4**	284	**A503_89.5 P100 BE100LB4**	**A503_89.5 P100 BX100LB4**	285
16.7	1572	1.8	86.4	30000	**A603_86.4 S3 ME3LB4**	**A603_86.4 S3 MX3LB4**	292	**A603_86.4 P100 BE100LB4**	**A603_86.4 P100 BX100LB4**	293
16.8	1564	3.2	85.9	50000	**A703_85.9 S3 ME3LB4**	**A703_85.9 S3 MX3LB4**	296	**A703_85.9 P100 BE100LB4**	**A703_85.9 P100 BX100LB4**	297
17.7	1482	1.0	81.5	17200	**A503_81.5 S3 ME3LB4**	**A503_81.5 S3 MX3LB4**	284	**A503_81.5 P100 BE100LB4**	**A503_81.5 P100 BX100LB4**	285
18.1	1451	1.9	79.7	30000	**A603_79.7 S3 ME3LB4**	**A603_79.7 S3 MX3LB4**	292	**A603_79.7 P100 BE100LB4**	**A603_79.7 P100 BX100LB4**	293
18.1	1447	1.4	79.5	30000	**A553_79.5 S3 ME3LB4**	**A553_79.5 S3 MX3LB4**	288	**A553_79.5 P100 BE100LB4**	**A553_79.5 P100 BX100LB4**	289
18.2	1444	3.5	79.3	50000	**A703_79.3 S3 ME3LB4**	**A703_79.3 S3 MX3LB4**	296	**A703_79.3 P100 BE100LB4**	**A703_79.3 P100 BX100LB4**	297
20.5	1281	2.2	70.4	30000	**A603_70.4 S3 ME3LB4**	**A603_70.4 S3 MX3LB4**	292	**A603_70.4 P100 BE100LB4**	**A603_70.4 P100 BX100LB4**	293
20.5	1278	1.2	70.2	17200	**A503_70.2 S3 ME3LB4**	**A503_70.2 S3 MX3LB4**	284	**A503_70.2 P100 BE100LB4**	**A503_70.2 P100 BX100LB4**	285
22.2	1183	2.4	65.0	30000	**A603_65.0 S3 ME3LB4**	**A603_65.0 S3 MX3LB4**	292	**A603_65.0 P100 BE100LB4**	**A603_65.0 P100 BX100LB4**	293
22.4	1171	1.7	64.3	30000	**A553_64.3 S3 ME3LB4**	**A553_64.3 S3 MX3LB4**	288	**A553_64.3 P100 BE100LB4**	**A553_64.3 P100 BX100LB4**	289
22.5	1163	1.3	63.9	17100	**A503_63.9 S3 ME3LB4**	**A503_63.9 S3 MX3LB4**	284	**A503_63.9 P100 BE100LB4**	**A503_63.9 P100 BX100LB4**	285
25.3	1034	1.5	56.8	17000	**A503_56.8 S3 ME3LB4**	**A503_56.8 S3 MX3LB4**	284	**A503_56.8 P100 BE100LB4**	**A503_56.8 P100 BX100LB4**	285
25.9	1012	2.8	55.6	30000	**A603_55.6 S3 ME3LB4**	**A603_55.6 S3 MX3LB4**	292	**A603_55.6 P100 BE100LB4**	**A603_55.6 P100 BX100LB4**	293
27.9	941	1.6	51.7	16800	**A503_51.7 S3 ME3LB4**	**A503_51.7 S3 MX3LB4**	284	**A503_51.7 P100 BE100LB4**	**A503_51.7 P100 BX100LB4**	285
28.1	934	3.0	51.3	30000	**A603_51.3 S3 ME3LB4**	**A603_51.3 S3 MX3LB4**	292	**A603_51.3 P100 BE100LB4**	**A603_51.3 P100 BX100LB4**	293
28.3	927	2.2	51.0	30000	**A553_51.0 S3 ME3LB4**	**A553_51.0 S3 MX3LB4**	288	**A553_51.0 P100 BE100LB4**	**A553_51.0 P100 BX100LB4**	289
29.8	908	0.9	48.3	12700	**A412_48.3 S3 ME3LB4**	**A412_48.3 S3 MX3LB4**	280	**A412_48.3 P100 BE100LB4**	**A412_48.3 P100 BX100LB4**	281
32	822	3.4	45.2	30000	**A603_45.2 S3 ME3LB4**	**A603_45.2 S3 MX3LB4**	292	**A603_45.2 P100 BE100LB4**	**A603_45.2 P100 BX100LB4**	293
32	847	1.0	45.1	12600	**A412_45.1 S3 ME3LB4**	**A412_45.1 S3 MX3LB4**	280	**A412_45.1 P100 BE100LB4**	**A412_45.1 P100 BX100LB4**	281
32	819	1.8	45.0	16500	**A503_45.0 S3 ME3LB4**	**A503_45.0 S3 MX3LB4**	284	**A503_45.0 P100 BE100LB4**	**A503_45.0 P100 BX100LB4**	285
35	745	2.0	40.9	16300	**A503_40.9 S3 ME3LB4**	**A503_40.9 S3 MX3LB4**	284	**A503_40.9 P100 BE100LB4**	**A503_40.9 P100 BX100LB4**	285
36	734	2.7	40.3	30000	**A553_40.3 S3 ME3LB4**	**A553_40.3 S3 MX3LB4**	288	**A553_40.3 P100 BE100LB4**	**A553_40.3 P100 BX100LB4**	289
39	689	0.9	36.6	8550	**A352_36.6 S3 ME3LB4**	**A352_36.6 S3 MX3LB4**	276	**A352_36.6 P100 BE100LB4**	**A352_36.6 P100 BX100LB4**	277
40	675	1.2	35.9	12200	**A412_35.9 S3 ME3LB4**	**A412_35.9 S3 MX3LB4**	280	**A412_35.9 P100 BE100LB4**	**A412_35.9 P100 BX100LB4**	281
40	648	2.3	35.6	16000	**A503_35.6 S3 ME3LB4**	**A503_35.6 S3 MX3LB4**	284	**A503_35.6 P100 BE100LB4**	**A503_35.6 P100 BX100LB4**	285
43	623	1.0	33.2	8520	**A352_33.2 S3 ME3LB4**	**A352_33.2 S3 MX3LB4**	276	**A352_33.2 P100 BE100LB4**	**A352_33.2 P100 BX100LB4**	277
44	589	2.5	32.4	15700	**A503_32.4 S3 ME3LB4**	**A503_32.4 S3 MX3LB4**	284	**A503_32.4 P100 BE100LB4**	**A503_32.4 P100 BX100LB4**	285
51	535	1.1	28.4	8420	**A352_28.4 S3 ME3LB4**	**A352_28.4 S3 MX3LB4**	276	**A352_28.4 P100 BE100LB4**	**A352_28.4 P100 BX100LB4**	277
51	532	1.4	28.3	11700	**A412_28.3 S3 ME3LB4**	**A412_28.3 S3 MX3LB4**	280	**A412_28.3 P100 BE100LB4**	**A412_28.3 P100 BX100LB4**	281
54	481	3.1	26.4	15100	**A503_26.4 S3 ME3LB4**	**A503_26.4 S3 MX3LB4**	284	**A503_26.4 P100 BE100LB4**	**A503_26.4 P100 BX100LB4**	285
56	483	1.2	25.7	8330	**A352_25.7 S3 ME3LB4**	**A352_25.7 S3 MX3LB4**	276	**A352_25.7 P100 BE100LB4**	**A352_25.7 P100 BX100LB4**	277
60	438	3.4	24.0	14800	**A503_24.0 S3 ME3LB4**	**A503_24.0 S3 MX3LB4**	284	**A503_24.0 P100 BE100LB4**	**A503_24.0 P100 BX100LB4**	285
63	428	1.0	22.8	4610	**A302_22.8 S3 ME3LB4**	**A302_22.8 S3 MX3LB4**	272	**A302_22.8 P100 BE100LB4**	**A302_22.8 P100 BX100LB4**	273
64	426	1.6	22.7	11200	**A412_22.7 S3 ME3LB4**	**A412_22.7 S3 MX3LB4**	280	**A412_22.7 P100 BE100LB4**	**A412_22.7 P100 BX100LB4**	281
64	423	1.4	22.5	8190	**A352_22.5 S3 ME3LB4**	**A352_22.5 S3 MX3LB4**	276	**A352_22.5 P100 BE100LB4**	**A352_22.5 P100 BX100LB4**	277
69	393	3.1	20.9	15500	**A502_20.9 S3 ME3LB4**	**A502_20.9 S3 MX3LB4**	284	**A502_20.9 P100 BE100LB4**	**A502_20.9 P100 BX100LB4**	285
70	386	1.1	20.5	4620	**A302_20.5 S3 ME3LB4**	**A302_20.5 S3 MX3LB4**	272	**A302_20.5 P100 BE100LB4**	**A302_20.5 P100 BX100LB4**	273



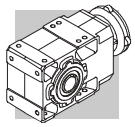
3 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE2	IE3		IEC IE2	IEC IE3	
70	384	1.6	20.4	8080	**A352_20.4 S3 ME3LB4**	**A352_20.4 S3 MX3LB4**	276	**A352_20.4 P100 BE100LB4**	**A352_20.4 P100 BX100LB4**	277
80	338	1.2	18.0	4600	**A302_18.0 S3 ME3LB4**	**A302_18.0 S3 MX3LB4**	272	**A302_18.0 P100 BE100LB4**	**A302_18.0 P100 BX100LB4**	273
81	334	1.9	17.8	10600	**A412_17.8 S3 ME3LB4**	**A412_17.8 S3 MX3LB4**	280	**A412_17.8 P100 BE100LB4**	**A412_17.8 P100 BX100LB4**	281
85	319	1.9	17.0	7830	**A352_17.0 S3 ME3LB4**	**A352_17.0 S3 MX3LB4**	276	**A352_17.0 P100 BE100LB4**	**A352_17.0 P100 BX100LB4**	277
88	307	1.3	16.3	4580	**A302_16.3 S3 ME3LB4**	**A302_16.3 S3 MX3LB4**	272	**A302_16.3 P100 BE100LB4**	**A302_16.3 P100 BX100LB4**	273
89	303	2.0	16.1	10400	**A412_16.1 S3 ME3LB4**	**A412_16.1 S3 MX3LB4**	280	**A412_16.1 P100 BE100LB4**	**A412_16.1 P100 BX100LB4**	281
93	291	2.1	15.5	7700	**A352_15.5 S3 ME3LB4**	**A352_15.5 S3 MX3LB4**	276	**A352_15.5 P100 BE100LB4**	**A352_15.5 P100 BX100LB4**	277
102	265	0.9	14.1	2650	**A202_14.1 S3 ME3LB4**	**A202_14.1 S3 MX3LB4**	268	**A202_14.1 P100 BE100LB4**	**A202_14.1 P100 BX100LB4**	269
105	259	2.3	13.8	9990	**A412_13.8 S3 ME3LB4**	**A412_13.8 S3 MX3LB4**	280	**A412_13.8 P100 BE100LB4**	**A412_13.8 P100 BX100LB4**	281
106	255	1.5	13.6	4500	**A302_13.6 S3 ME3LB4**	**A302_13.6 S3 MX3LB4**	272	**A302_13.6 P100 BE100LB4**	**A302_13.6 P100 BX100LB4**	273
110	246	2.4	13.1	7450	**A352_13.1 S3 ME3LB4**	**A352_13.1 S3 MX3LB4**	276	**A352_13.1 P100 BE100LB4**	**A352_13.1 P100 BX100LB4**	277
120	225	0.9	12.0	2670	**A202_12.0 S3 ME3LB4**	**A202_12.0 S3 MX3LB4**	268	**A202_12.0 P100 BE100LB4**	**A202_12.0 P100 BX100LB4**	269
122	221	1.4	11.8	4400	**A302_11.8 S3 ME3LB4**	**A302_11.8 S3 MX3LB4**	272	**A302_11.8 P100 BE100LB4**	**A302_11.8 P100 BX100LB4**	273
122	221	1.8	11.8	7410	**A352_11.8 S3 ME3LB4**	**A352_11.8 S3 MX3LB4**	276	**A352_11.8 P100 BE100LB4**	**A352_11.8 P100 BX100LB4**	277
123	221	2.5	11.7	9580	**A412_11.7 S3 ME3LB4**	**A412_11.7 S3 MX3LB4**	280	**A412_11.7 P100 BE100LB4**	**A412_11.7 P100 BX100LB4**	281
125	216	1.5	23.1	2690	**A202_23.1 S3 ME3LB2**		268	**A202_23.1 P100 BE100L2**		269
135	200	2.0	10.6	7230	**A352_10.6 S3 ME3LB4**	**A352_10.6 S3 MX3LB4**	276	**A352_10.6 P100 BE100LB4**	**A352_10.6 P100 BX100LB4**	277
138	197	1.7	10.5	4350	**A302_10.5 S3 ME3LB4**	**A302_10.5 S3 MX3LB4**	272	**A302_10.5 P100 BE100LB4**	**A302_10.5 P100 BX100LB4**	273
139	194	1.2	10.3	2690	**A202_10.3 S3 ME3LB4**	**A202_10.3 S3 MX3LB4**	268	**A202_10.3 P100 BE100LB4**	**A202_10.3 P100 BX100LB4**	269
142	190	2.8	10.1	9230	**A412_10.1 S3 ME3LB4**	**A412_10.1 S3 MX3LB4**	280	**A412_10.1 P100 BE100LB4**	**A412_10.1 P100 BX100LB4**	281
154	176	1.2	9.4	2670	**A202_9.4 S3 ME3LB4**	**A202_9.4 S3 MX3LB4**	268	**A202_9.4 P100 BE100LB4**	**A202_9.4 P100 BX100LB4**	269
155	175	1.7	9.3	4240	**A302_9.3 S3 ME3LB4**	**A302_9.3 S3 MX3LB4**	272	**A302_9.3 P100 BE100LB4**	**A302_9.3 P100 BX100LB4**	273
155	175	2.3	9.3	7000	**A352_9.3 S3 ME3LB4**	**A352_9.3 S3 MX3LB4**	276	**A352_9.3 P100 BE100LB4**	**A352_9.3 P100 BX100LB4**	277
157	173	3.2	9.2	8980	**A412_9.2 S3 ME3LB4**	**A412_9.2 S3 MX3LB4**	280	**A412_9.2 P100 BE100LB4**	**A412_9.2 P100 BX100LB4**	281
170	159	1.9	8.5	4170	**A302_8.5 S3 ME3LB4**	**A302_8.5 S3 MX3LB4**	272	**A302_8.5 P100 BE100LB4**	**A302_8.5 P100 BX100LB4**	273
170	159	2.4	8.5	6840	**A352_8.5 S3 ME3LB4**	**A352_8.5 S3 MX3LB4**	276	**A352_8.5 P100 BE100LB4**	**A352_8.5 P100 BX100LB4**	277
172	157	1.3	8.4	2650	**A202_8.4 S3 ME3LB4**	**A202_8.4 S3 MX3LB4**	268	**A202_8.4 P100 BE100LB4**	**A202_8.4 P100 BX100LB4**	269
173	157	3.5	8.3	8740	**A412_8.3 S3 ME3LB4**	**A412_8.3 S3 MX3LB4**	280	**A412_8.3 P100 BE100LB4**	**A412_8.3 P100 BX100LB4**	281
198	137	1.5	7.3	2620	**A202_7.3 S3 ME3LB4**	**A202_7.3 S3 MX3LB4**	268	**A202_7.3 P100 BE100LB4**	**A202_7.3 P100 BX100LB4**	269
200	136	1.0	7.2	2220	**A102_7.2 S3 ME3LB4**	**A102_7.2 S3 MX3LB4**	264	**A102_7.2 P100 BE100LB4**	**A102_7.2 P100 BX100LB4**	265
205	132	2.3	7.0	4030	**A302_7.0 S3 ME3LB4**	**A302_7.0 S3 MX3LB4**	272	**A302_7.0 P100 BE100LB4**	**A302_7.0 P100 BX100LB4**	273
205	132	2.8	7.0	6520	**A352_7.0 S3 ME3LB4**	**A352_7.0 S3 MX3LB4**	276	**A352_7.0 P100 BE100LB4**	**A352_7.0 P100 BX100LB4**	277
220	123	1.7	6.5	2590	**A202_6.5 S3 ME3LB4**	**A202_6.5 S3 MX3LB4**	268	**A202_6.5 P100 BE100LB4**	**A202_6.5 P100 BX100LB4**	269
225	121	2.5	6.4	3950	**A302_6.4 S3 ME3LB4**	**A302_6.4 S3 MX3LB4**	272	**A302_6.4 P100 BE100LB4**	**A302_6.4 P100 BX100LB4**	273
225	121	2.9	6.4	6360	**A352_6.4 S3 ME3LB4**	**A352_6.4 S3 MX3LB4**	276	**A352_6.4 P100 BE100LB4**	**A352_6.4 P100 BX100LB4**	277
227	119	1.2	6.3	2640	**A102_6.3 S3 ME3LB4**	**A102_6.3 S3 MX3LB4**	264	**A102_6.3 P100 BE100LB4**	**A102_6.3 P100 BX100LB4**	265
245	110	2.7	11.8	3870	**A302_11.8 S3 ME3LB2**		272	**A302_11.8 P100 BE100L2**		273
263	103	1.4	5.5	2200	**A102_5.5 S3 ME3LB4**	**A102_5.5 S3 MX3LB4**	264	**A102_5.5 P100 BE100LB4**	**A102_5.5 P100 BX100LB4**	265
266	102	2.9	5.4	3810	**A302_5.4 S3 ME3LB4**	**A302_5.4 S3 MX3LB4**	272	**A302_5.4 P100 BE100LB4**	**A302_5.4 P100 BX100LB4**	273
266	102	3.3	5.4	6070	**A352_5.4 S3 ME3LB4**	**A352_5.4 S3 MX3LB4**	276	**A352_5.4 P100 BE100LB4**	**A352_5.4 P100 BX100LB4**	277
269	101	2.1	5.4	2520	**A202_5.4 S3 ME3LB4**	**A202_5.4 S3 MX3LB4**	268	**A202_5.4 P100 BE100LB4**	**A202_5.4 P100 BX100LB4**	269
279	97	1.9	10.3	2500	**A202_10.3 S3 ME3LB2**		268	**A202_10.3 P100 BE100L2**		269
309	87	3.4	9.3	3670	**A302_9.3 S3 ME3LB2**		272	**A302_9.3 P100 BE100L2**		273
344	78	2.7	8.4	2410	**A202_8.4 S3 ME3LB2**		268	**A202_8.4 P100 BE100L2**		269
399	67	2.1	7.2	2090	**A102_7.2 S3 ME3LB2**		264	**A102_7.2 P100 BE100L2**		265
455	59	2.3	6.3	2430	**A102_6.3 S3 ME3LB2**		264	**A102_6.3 P100 BE100L2**		265
527	51	2.6	5.5	1990	**A102_5.5 S3 ME3LB2**		264	**A102_5.5 P100 BE100L2**		265



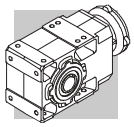
4 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE2	IE3		IE2	IEC IE3	
2.4	14456	1.0	601.6	75000	**A904_601.6 S4 ME4SA4**	**A904_601.6 S4 MX4SA4**	302	**A904_601.6 P112 BE112M4**	**A904_601.6 P112 BX112M4**	303
2.6	13344	1.0	555.3	75000	**A904_555.3 S4 ME4SA4**	**A904_555.3 S4 MX4SA4**	302	**A904_555.3 P112 BE112M4**	**A904_555.3 P112 BX112M4**	303
3.0	11693	1.2	486.6	75000	**A904_486.6 S4 ME4SA4**	**A904_486.6 S4 MX4SA4**	302	**A904_486.6 P112 BE112M4**	**A904_486.6 P112 BX112M4**	303
3.2	10793	1.3	449.2	75000	**A904_449.2 S4 ME4SA4**	**A904_449.2 S4 MX4SA4**	302	**A904_449.2 P112 BE112M4**	**A904_449.2 P112 BX112M4**	303
3.7	9262	1.5	385.4	75000	**A904_385.4 S4 ME4SA4**	**A904_385.4 S4 MX4SA4**	302	**A904_385.4 P112 BE112M4**	**A904_385.4 P112 BX112M4**	303
3.8	9215	0.9	383.5	65000	**A804_383.5 S4 ME4SA4**	**A804_383.5 S4 MX4SA4**	299	**A804_383.5 P112 BE112M4**	**A804_383.5 P112 BX112M4**	300
4.0	8550	1.6	355.8	75000	**A904_355.8 S4 ME4SA4**	**A904_355.8 S4 MX4SA4**	302	**A904_355.8 P112 BE112M4**	**A904_355.8 P112 BX112M4**	303
4.1	8506	0.9	354.0	65000	**A804_354.0 S4 ME4SA4**	**A804_354.0 S4 MX4SA4**	299	**A804_354.0 P112 BE112M4**	**A804_354.0 P112 BX112M4**	300
4.7	7326	1.9	304.9	75000	**A904_304.9 S4 ME4SA4**	**A904_304.9 S4 MX4SA4**	302	**A904_304.9 P112 BE112M4**	**A904_304.9 P112 BX112M4**	303
4.8	7218	1.1	300.4	65000	**A804_300.4 S4 ME4SA4**	**A804_300.4 S4 MX4SA4**	299	**A804_300.4 P112 BE112M4**	**A804_300.4 P112 BX112M4**	300
5.1	6763	2.1	281.4	75000	**A904_281.4 S4 ME4SA4**	**A904_281.4 S4 MX4SA4**	302	**A904_281.4 P112 BE112M4**	**A904_281.4 P112 BX112M4**	303
5.2	6663	1.2	277.3	65000	**A804_277.3 S4 ME4SA4**	**A804_277.3 S4 MX4SA4**	299	**A804_277.3 P112 BE112M4**	**A804_277.3 P112 BX112M4**	300
6.0	5734	0.9	238.6	50000	**A704_238.6 S4 ME4SA4**	**A704_238.6 S4 MX4SA4**	296	**A704_238.6 P112 BE112M4**	**A704_238.6 P112 BX112M4**	297
6.2	5590	1.4	232.6	65000	**A804_232.6 S4 ME4SA4**	**A804_232.6 S4 MX4SA4**	299	**A804_232.6 P112 BE112M4**	**A804_232.6 P112 BX112M4**	300
6.4	5441	2.6	226.4	75000	**A904_226.4 S4 ME4SA4**	**A904_226.4 S4 MX4SA4**	302	**A904_226.4 P112 BE112M4**	**A904_226.4 P112 BX112M4**	303
6.5	5293	0.9	220.3	50000	**A704_220.3 S4 ME4SA4**	**A704_220.3 S4 MX4SA4**	296	**A704_220.3 P112 BE112M4**	**A704_220.3 P112 BX112M4**	297
6.7	5160	1.6	214.7	65000	**A804_214.7 S4 ME4SA4**	**A804_214.7 S4 MX4SA4**	299	**A804_214.7 P112 BE112M4**	**A804_214.7 P112 BX112M4**	300
6.9	5023	2.8	209.0	75000	**A904_209.0 S4 ME4SA4**	**A904_209.0 S4 MX4SA4**	302	**A904_209.0 P112 BE112M4**	**A904_209.0 P112 BX112M4**	303
7.8	4419	1.1	183.9	50000	**A704_183.9 S4 ME4SA4**	**A704_183.9 S4 MX4SA4**	296	**A704_183.9 P112 BE112M4**	**A704_183.9 P112 BX112M4**	297
8.0	4325	3.2	180.0	75000	**A904_180.0 S4 ME4SA4**	**A904_180.0 S4 MX4SA4**	302	**A904_180.0 P112 BE112M4**	**A904_180.0 P112 BX112M4**	303
8.4	4116	1.9	171.3	65000	**A804_171.3 S4 ME4SA4**	**A804_171.3 S4 MX4SA4**	299	**A804_171.3 P112 BE112M4**	**A804_171.3 P112 BX112M4**	300
8.5	4079	1.2	169.8	50000	**A704_169.8 S4 ME4SA4**	**A704_169.8 S4 MX4SA4**	296	**A704_169.8 P112 BE112M4**	**A704_169.8 P112 BX112M4**	297
8.7	3992	3.5	166.1	75000	**A904_166.1 S4 ME4SA4**	**A904_166.1 S4 MX4SA4**	302	**A904_166.1 P112 BE112M4**	**A904_166.1 P112 BX112M4**	303
9.2	3853	2.1	156.8	65000	**A803_156.8 S4 ME4SA4**	**A803_156.8 S4 MX4SA4**	299	**A803_156.8 P112 BE112M4**	**A803_156.8 P112 BX112M4**	300
9.4	3776	1.1	153.7	50000	**A703_153.7 S4 ME4SA4**	**A703_153.7 S4 MX4SA4**	296	**A703_153.7 P112 BE112M4**	**A703_153.7 P112 BX112M4**	297
9.9	3556	2.2	144.7	65000	**A803_144.7 S4 ME4SA4**	**A803_144.7 S4 MX4SA4**	299	**A803_144.7 P112 BE112M4**	**A803_144.7 P112 BX112M4**	300
10.2	3486	1.4	141.9	50000	**A703_141.9 S4 ME4SA4**	**A703_141.9 S4 MX4SA4**	296	**A703_141.9 P112 BE112M4**	**A703_141.9 P112 BX112M4**	297
11.0	3210	1.6	130.7	50000	**A703_130.7 S4 ME4SA4**	**A703_130.7 S4 MX4SA4**	296	**A703_130.7 P112 BE112M4**	**A703_130.7 P112 BX112M4**	297
11.5	3086	2.6	125.6	65000	**A803_125.6 S4 ME4SA4**	**A803_125.6 S4 MX4SA4**	299	**A803_125.6 P112 BE112M4**	**A803_125.6 P112 BX112M4**	300
11.7	3023	0.9	123.0	30000	**A603_123.0 S4 ME4SA4**	**A603_123.0 S4 MX4SA4**	292	**A603_123.0 P112 BE112M4**	**A603_123.0 P112 BX112M4**	293
11.9	2964	1.7	120.6	50000	**A703_120.6 S4 ME4SA4**	**A703_120.6 S4 MX4SA4**	296	**A703_120.6 P112 BE112M4**	**A703_120.6 P112 BX112M4**	297
12.4	2849	2.8	116.0	65000	**A803_116.0 S4 ME4SA4**	**A803_116.0 S4 MX4SA4**	299	**A803_116.0 P112 BE112M4**	**A803_116.0 P112 BX112M4**	300
13.4	2649	1.1	107.8	30000	**A603_107.8 S4 ME4SA4**	**A603_107.8 S4 MX4SA4**	292	**A603_107.8 P112 BE112M4**	**A603_107.8 P112 BX112M4**	293
13.8	2561	2.0	104.2	50000	**A703_104.2 S4 ME4SA4**	**A703_104.2 S4 MX4SA4**	296	**A703_104.2 P112 BE112M4**	**A703_104.2 P112 BX112M4**	297
13.8	2556	3.1	104.0	65000	**A803_104.0 S4 ME4SA4**	**A803_104.0 S4 MX4SA4**	299	**A803_104.0 P112 BE112M4**	**A803_104.0 P112 BX112M4**	300
14.5	2445	1.1	99.5	30000	**A603_99.5 S4 ME4SA4**	**A603_99.5 S4 MX4SA4**	292	**A603_99.5 P112 BE112M4**	**A603_99.5 P112 BX112M4**	293
15.0	2364	2.1	96.2	50000	**A703_96.2 S4 ME4SA4**	**A703_96.2 S4 MX4SA4**	296	**A703_96.2 P112 BE112M4**	**A703_96.2 P112 BX112M4**	297
15.0	2359	3.4	96.0	65000	**A803_96.0 S4 ME4SA4**	**A803_96.0 S4 MX4SA4**	299	**A803_96.0 P112 BE112M4**	**A803_96.0 P112 BX112M4**	300
16.7	2122	1.3	86.4	30000	**A603_86.4 S4 ME4SA4**	**A603_86.4 S4 MX4SA4**	292	**A603_86.4 P112 BE112M4**	**A603_86.4 P112 BX112M4**	293
16.8	2112	2.4	85.9	50000	**A703_85.9 S4 ME4SA4**	**A703_85.9 S4 MX4SA4**	296	**A703_85.9 P112 BE112M4**	**A703_85.9 P112 BX112M4**	297
18.1	1959	1.4	79.7	30000	**A603_79.7 S4 ME4SA4**	**A603_79.7 S4 MX4SA4**	292	**A603_79.7 P112 BE112M4**	**A603_79.7 P112 BX112M4**	293
18.1	1954	1.0	79.5	30000	**A553_79.5 S4 ME4SA4**	**A553_79.5 S4 MX4SA4**	288	**A553_79.5 P112 BE112M4**	**A553_79.5 P112 BX112M4**	289
18.2	1949	2.6	79.3	50000	**A703_79.3 S4 ME4SA4**	**A703_79.3 S4 MX4SA4**	296	**A703_79.3 P112 BE112M4**	**A703_79.3 P112 BX112M4**	297
19.9	1782	2.8	72.5	50000	**A703_72.5 S4 ME4SA4**	**A703_72.5 S4 MX4SA4**	296	**A703_72.5 P112 BE112M4**	**A703_72.5 P112 BX112M4**	297
20.5	1730	1.6	70.4	30000	**A603_70.4 S4 ME4SA4**	**A603_70.4 S4 MX4SA4**	292	**A603_70.4 P112 BE112M4**	**A603_70.4 P112 BX112M4**	293
21.5	1645	3.0	66.9	50000	**A703_66.9 S4 ME4SA4**	**A703_66.9 S4 MX4SA4**	296	**A703_66.9 P112 BE112M4**	**A703_66.9 P112 BX112M4**	297
22.2	1597	1.8	65.0	30000	**A603_65.0 S4 ME4SA4**	**A603_65.0 S4 MX4SA4**	292	**A603_65.0 P112 BE112M4**	**A603_65.0 P112 BX112M4**	293
22.4	1580	1.3	64.3	30000	**A553_64.3 S4 ME4SA4**	**A553_64.3 S4 MX4SA4**	288	**A553_64.3 P112 BE112M4**	**A553_64.3 P112 BX112M4**	289
22.5	1570	1.0	63.9	14700	**A503_63.9 S4 ME4SA4**	**A503_63.9 S4 MX4SA4**	284	**A503_63.9 P112 BE112M4**	**A503_63.9 P112 BX112M4**	285
25.3	1396	1.1	56.8	14800	**A503_56.8 S4 ME4SA4**	**A503_56.8 S4 MX4SA4**	284	**A503_56.8 P112 BE112M4**	**A503_56.8 P112 BX112M4**	285
25.9	1366	2.0	55.6	30000	**A603_55.6 S4 ME4SA4**	**A603_55.6 S4 MX4SA4**	292	**A603_55.6 P112 BE112M4**	**A603_55.6 P112 BX112M4**	293
27.9	1270	1.2	51.7	14900	**A503_51.7 S4 ME4SA4**	**A503_51.7 S4 MX4SA4**	284	**A503_51.7 P112 BE112M4**	**A503_51.7 P112 BX112M4**	285
28.1	1261	2.2	51.3	30000	**A603_51.3 S4 ME4SA4**	**A603_51.3 S4 MX4SA4**	292	**A603_51.3 P112 BE112M4**	**A603_51.3 P112 BX112M4**	293
28.3	1252	1.6	51.0	30000	**A553_51.0 S4 ME4SA4**	**A553_51.0 S4 MX4SA4**	288	**A553_51.0 P112 BE112M4**	**A553_51.0 P112 BX112M4**	289
32	1110	2.5	45.2	30000	**A603_45.2 S4 ME4SA4**	**A603_45.2 S4 MX4SA4**	292	**A603_45.2 P112 BE112M4**	**A603_45.2 P112 BX112M4**	293
32	1106	1.4	45.0	14900	**A503_45.0 S4 ME4SA4**	**A503_45.0 S4 MX4SA4**	284	**A503_45.0 P112 BE112M4**	**A503_45.0 P112 BX112M4**	285
35	1025	2.7	41.7	30000	**A603_41.7 S4 ME4SA4**	**A603_41.7 S4 MX4SA4**	292	**A603_41.7 P112 BE112M4**	**A603_41.7 P112 BX112M4**	293



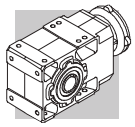
4 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE2	IE3		IEC IE2	IEC IE3	
35	1006	1.5	40.9	14800	**A503_40.9 S4 ME4SA4**	**A503_40.9 S4 MX4SA4**	284	**A503_40.9 P112 BE112M4**	**A503_40.9 P112 BX112M4**	285
36	990	2.0	40.3	30000	**A553_40.3 S4 ME4SA4**	**A553_40.3 S4 MX4SA4**	288	**A553_40.3 P112 BE112M4**	**A553_40.3 P112 BX112M4**	289
40	875	1.7	35.6	14700	**A503_35.6 S4 ME4SA4**	**A503_35.6 S4 MX4SA4**	284	**A503_35.6 P112 BE112M4**	**A503_35.6 P112 BX112M4**	285
42	843	3.3	34.3	30000	**A603_34.3 S4 ME4SA4**	**A603_34.3 S4 MX4SA4**	292	**A603_34.3 P112 BE112M4**	**A603_34.3 P112 BX112M4**	293
44	796	1.9	32.4	14500	**A503_32.4 S4 ME4SA4**	**A503_32.4 S4 MX4SA4**	284	**A503_32.4 P112 BE112M4**	**A503_32.4 P112 BX112M4**	285
48	735	2.7	29.9	30000	**A553_29.9 S4 ME4SA4**	**A553_29.9 S4 MX4SA4**	288	**A553_29.9 P112 BE112M4**	**A553_29.9 P112 BX112M4**	289
51	719	1.0	28.3	10900	**A412_28.3 S4 ME4SA4**	**A412_28.3 S4 MX4SA4**	280	**A412_28.3 P112 BE112M4**	**A412_28.3 P112 BX112M4**	281
54	650	2.3	26.4	14100	**A503_26.4 S4 ME4SA4**	**A503_26.4 S4 MX4SA4**	284	**A503_26.4 P112 BE112M4**	**A503_26.4 P112 BX112M4**	285
56	652	0.9	25.7	7420				**A352_25.7 P112 BE112M4**	**A352_25.7 P112 BX112M4**	277
60	591	2.5	24.0	13900	**A503_24.0 S4 ME4SA4**	**A503_24.0 S4 MX4SA4**	284	**A503_24.0 P112 BE112M4**	**A503_24.0 P112 BX112M4**	285
61	585	3.3	23.8	30000	**A553_23.8 S4 ME4SA4**	**A553_23.8 S4 MX4SA4**	288	**A553_23.8 P112 BE112M4**	**A553_23.8 P112 BX112M4**	289
64	576	1.2	22.7	10500	**A412_22.7 S4 ME4SA4**	**A412_22.7 S4 MX4SA4**	280	**A412_22.7 P112 BE112M4**	**A412_22.7 P112 BX112M4**	281
64	571	1.1	22.5	7400				**A352_22.5 P112 BE112M4**	**A352_22.5 P112 BX112M4**	277
69	531	2.3	20.9	15100	**A502_20.9 S4 ME4SA4**	**A502_20.9 S4 MX4SA4**	284	**A502_20.9 P112 BE112M4**	**A502_20.9 P112 BX112M4**	285
70	518	1.2	20.4	7360				**A352_20.4 P112 BE112M4**	**A352_20.4 P112 BX112M4**	277
80	456	0.9	18.0	3930				**A302_18.0 P112 BE112M4**	**A302_18.0 P112 BX112M4**	273
81	451	1.4	17.8	10100	**A412_17.8 S4 ME4SA4**	**A412_17.8 S4 MX4SA4**	280	**A412_17.8 P112 BE112M4**	**A412_17.8 P112 BX112M4**	281
85	430	1.4	17.0	7240				**A352_17.0 P112 BE112M4**	**A352_17.0 P112 BX112M4**	277
87	421	2.9	16.6	14200	**A502_16.6 S4 ME4SA4**	**A502_16.6 S4 MX4SA4**	284	**A502_16.6 P112 BE112M4**	**A502_16.6 P112 BX112M4**	285
88	415	0.9	16.3	3970				**A302_16.3 P112 BE112M4**	**A302_16.3 P112 BX112M4**	273
89	408	1.5	16.1	9940	**A412_16.1 S4 ME4SA4**	**A412_16.1 S4 MX4SA4**	280	**A412_16.1 P112 BE112M4**	**A412_16.1 P112 BX112M4**	281
93	393	1.5	15.5	7160				**A352_15.5 P112 BE112M4**	**A352_15.5 P112 BX112M4**	277
105	349	1.7	13.8	9610	**A412_13.8 S4 ME4SA4**	**A412_13.8 S4 MX4SA4**	280	**A412_13.8 P112 BE112M4**	**A412_13.8 P112 BX112M4**	281
106	344	1.1	13.6	4000				**A302_13.6 P112 BE112M4**	**A302_13.6 P112 BX112M4**	273
110	333	3.3	13.1	13300	**A502_13.1 S4 ME4SA4**	**A502_13.1 S4 MX4SA4**	284	**A502_13.1 P112 BE112M4**	**A502_13.1 P112 BX112M4**	285
110	332	1.8	13.1	7000				**A352_13.1 P112 BE112M4**	**A352_13.1 P112 BX112M4**	277
122	299	1.0	11.8	3960				**A302_11.8 P112 BE112M4**	**A302_11.8 P112 BX112M4**	273
122	299	1.3	11.8	7050	**A352_11.8 S4 ME4SA4**	**A352_11.8 S4 MX4SA4**	276	**A352_11.8 P112 BE112M4**	**A352_11.8 P112 BX112M4**	277
123	298	1.8	11.7	9260	**A412_11.7 S4 ME4SA4**	**A412_11.7 S4 MX4SA4**	280	**A412_11.7 P112 BE112M4**	**A412_11.7 P112 BX112M4**	281
127	282	1.2	22.8	3980				**A302_22.8 P112 BE112M2**		273
135	270	1.5	10.6	6910	**A352_10.6 S4 ME4SA4**	**A352_10.6 S4 MX4SA4**	276	**A352_10.6 P112 BE112M4**	**A352_10.6 P112 BX112M4**	277
138	265	1.3	10.5	3970				**A302_10.5 P112 BE112M4**	**A302_10.5 P112 BX112M4**	273
142	257	2.1	10.1	8960	**A412_10.1 S4 ME4SA4**	**A412_10.1 S4 MX4SA4**	280	**A412_10.1 P112 BE112M4**	**A412_10.1 P112 BX112M4**	281
155	236	1.3	9.3	3900				**A302_9.3 P112 BE112M4**	**A302_9.3 P112 BX112M4**	273
155	236	1.7	9.3	6730	**A352_9.3 S4 ME4SA4**	**A352_9.3 S4 MX4SA4**	276	**A352_9.3 P112 BE112M4**	**A352_9.3 P112 BX112M4**	277
157	233	2.4	9.2	8740	**A412_9.2 S4 ME4SA4**	**A412_9.2 S4 MX4SA4**	280	**A412_9.2 P112 BE112M4**	**A412_9.2 P112 BX112M4**	281
170	215	1.4	8.5	3860				**A302_8.5 P112 BE112M4**	**A302_8.5 P112 BX112M4**	273
170	215	1.8	8.5	6590	**A352_8.5 S4 ME4SA4**	**A352_8.5 S4 MX4SA4**	276	**A352_8.5 P112 BE112M4**	**A352_8.5 P112 BX112M4**	277
172	212	1.0	8.4	2300				**A202_8.4 P112 BE112M4**	**A202_8.4 P112 BX112M4**	269
173	211	2.6	8.3	8520	**A412_8.3 S4 ME4SA4**	**A412_8.3 S4 MX4SA4**	280	**A412_8.3 P112 BE112M4**	**A412_8.3 P112 BX112M4**	281
198	185	1.1	7.3	2310				**A202_7.3 P112 BE112M4**	**A202_7.3 P112 BX112M4**	269
202	181	3.0	7.1	8180	**A412_7.1 S4 ME4SA4**	**A412_7.1 S4 MX4SA4**	280	**A412_7.1 P112 BE112M4**	**A412_7.1 P112 BX112M4**	281
205	178	1.7	7.0	3770				**A302_7.0 P112 BE112M4**	**A302_7.0 P112 BX112M4**	273
205	178	2.1	7.0	6310	**A352_7.0 S4 ME4SA4**	**A352_7.0 S4 MX4SA4**	276	**A352_7.0 P112 BE112M4**	**A352_7.0 P112 BX112M4**	277
220	166	1.3	6.5	2310				**A202_6.5 P112 BE112M4**	**A202_6.5 P112 BX112M4**	269
225	163	1.8	6.4	3720				**A302_6.4 P112 BE112M4**	**A302_6.4 P112 BX112M4**	273
225	163	2.2	6.4	6180	**A352_6.4 S4 ME4SA4**	**A352_6.4 S4 MX4SA4**	276	**A352_6.4 P112 BE112M4**	**A352_6.4 P112 BX112M4**	277
263	139	1.0	5.5	1910	**A102_5.5 S4 ME4SA4**	**A102_5.5 S4 MX4SA4**	264	**A102_5.5 P112 BE112M4**	**A102_5.5 P112 BX112M4**	265
266	137	2.2	5.4	3610				**A302_5.4 P112 BE112M4**	**A302_5.4 P112 BX112M4**	273
266	137	2.5	5.4	5920	**A352_5.4 S4 ME4SA4**	**A352_5.4 S4 MX4SA4**	276	**A352_5.4 P112 BE112M4**	**A352_5.4 P112 BX112M4**	277
269	136	1.5	5.4	2300				**A202_5.4 P112 BE112M4**	**A202_5.4 P112 BX112M4**	269
273	132	3.0	10.6	5850	**A352_10.6 S4 ME4SA2**		276	**A352_10.6 P112 BE112M2**		277
311	115	3.5	9.3	5650	**A352_9.3 S4 ME4SA2**		276	**A352_9.3 P112 BE112M2**		277
346	104	2.1	8.4	2230				**A202_8.4 P112 BE112M2**		269
413	87	3.4	7.0	3280				**A302_7.0 P112 BE112M2**		273
458	78	1.8	6.3	2240				**A102_6.3 P112 BE112M2**		265
542	66	2.9	5.4	2080				**A202_5.4 P112 BE112M2**		269



5.5 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE2	IE3		IE2	IEC IE3	
3.0	15590	0.9	486.6	75000	**A904_486.6 S4 ME4SB4**	**A904_486.6 S4 MX4SB4**	302	**A904_486.6 P132 BE132S4**	**A904_486.6 P132 BX132SB4**	303
3.3	14391	1.0	449.2	75000	**A904_449.2 S4 ME4SB4**	**A904_449.2 S4 MX4SB4**	302	**A904_449.2 P132 BE132S4**	**A904_449.2 P132 BX132SB4**	303
3.8	12350	1.1	385.4	75000	**A904_385.4 S4 ME4SB4**	**A904_385.4 S4 MX4SB4**	302	**A904_385.4 P132 BE132S4**	**A904_385.4 P132 BX132SB4**	303
4.1	11400	1.2	355.8	75000	**A904_355.8 S4 ME4SB4**	**A904_355.8 S4 MX4SB4**	302	**A904_355.8 P132 BE132S4**	**A904_355.8 P132 BX132SB4**	303
4.8	9769	1.4	304.9	75000	**A904_304.9 S4 ME4SB4**	**A904_304.9 S4 MX4SB4**	302	**A904_304.9 P132 BE132S4**	**A904_304.9 P132 BX132SB4**	303
5.2	9017	1.6	281.4	75000	**A904_281.4 S4 ME4SB4**	**A904_281.4 S4 MX4SB4**	302	**A904_281.4 P132 BE132S4**	**A904_281.4 P132 BX132SB4**	303
5.3	8884	0.9	277.3	65000	**A804_277.3 S4 ME4SB4**	**A804_277.3 S4 MX4SB4**	299	**A804_277.3 P132 BE132S4**	**A804_277.3 P132 BX132SB4**	300
6.3	7453	1.1	232.6	65000	**A804_232.6 S4 ME4SB4**	**A804_232.6 S4 MX4SB4**	299	**A804_232.6 P132 BE132S4**	**A804_232.6 P132 BX132SB4**	300
6.4	7255	1.9	226.4	75000	**A904_226.4 S4 ME4SB4**	**A904_226.4 S4 MX4SB4**	302	**A904_226.4 P132 BE132S4**	**A904_226.4 P132 BX132SB4**	303
6.8	6880	1.2	214.7	65000	**A804_214.7 S4 ME4SB4**	**A804_214.7 S4 MX4SB4**	299	**A804_214.7 P132 BE132S4**	**A804_214.7 P132 BX132SB4**	300
7.0	6697	2.1	209.0	75000	**A904_209.0 S4 ME4SB4**	**A904_209.0 S4 MX4SB4**	302	**A904_209.0 P132 BE132S4**	**A904_209.0 P132 BX132SB4**	303
8.1	5766	2.4	180.0	75000	**A904_180.0 S4 ME4SB4**	**A904_180.0 S4 MX4SB4**	302	**A904_180.0 P132 BE132S4**	**A904_180.0 P132 BX132SB4**	303
8.5	5488	1.5	171.3	65000	**A804_171.3 S4 ME4SB4**	**A804_171.3 S4 MX4SB4**	299	**A804_171.3 P132 BE132S4**	**A804_171.3 P132 BX132SB4**	300
8.6	5439	0.9	169.8	50000	**A704_169.8 S4 ME4SB4**	**A704_169.8 S4 MX4SB4**	296	**A704_169.8 P132 BE132S4**	**A704_169.8 P132 BX132SB4**	297
8.8	5323	2.6	166.1	75000	**A904_166.1 S4 ME4SB4**	**A904_166.1 S4 MX4SB4**	302	**A904_166.1 P132 BE132S4**	**A904_166.1 P132 BX132SB4**	303
9.3	5137	1.6	156.8	65000	**A803_156.8 S4 ME4SB4**	**A803_156.8 S4 MX4SB4**	299	**A803_156.8 P132 BE132S4**	**A803_156.8 P132 BX132SB4**	300
9.7	4947	2.8	151.0	75000	**A903_151.0 S4 ME4SB4**	**A903_151.0 S4 MX4SB4**	302	**A903_151.0 P132 BE132S4**	**A903_151.0 P132 BX132SB4**	303
10.1	4742	1.7	144.7	65000	**A803_144.7 S4 ME4SB4**	**A803_144.7 S4 MX4SB4**	299	**A803_144.7 P132 BE132S4**	**A803_144.7 P132 BX132SB4**	300
10.3	4647	1.1	141.9	50000	**A703_141.9 S4 ME4SB4**	**A703_141.9 S4 MX4SB4**	296	**A703_141.9 P132 BE132S4**	**A703_141.9 P132 BX132SB4**	297
10.5	4567	2.8	139.4	75000	**A903_139.4 S4 ME4SB4**	**A903_139.4 S4 MX4SB4**	302	**A903_139.4 P132 BE132S4**	**A903_139.4 P132 BX132SB4**	303
11.2	4281	1.2	130.7	50000	**A703_130.7 S4 ME4SB4**	**A703_130.7 S4 MX4SB4**	296	**A703_130.7 P132 BE132S4**	**A703_130.7 P132 BX132SB4**	297
11.5	4149	3.2	126.6	75000	**A903_126.6 S4 ME4SB4**	**A903_126.6 S4 MX4SB4**	302	**A903_126.6 P132 BE132S4**	**A903_126.6 P132 BX132SB4**	303
11.6	4115	1.9	125.6	65000	**A803_125.6 S4 ME4SB4**	**A803_125.6 S4 MX4SB4**	299	**A803_125.6 P132 BE132S4**	**A803_125.6 P132 BX132SB4**	300
12.1	3951	1.3	120.6	50000	**A703_120.6 S4 ME4SB4**	**A703_120.6 S4 MX4SB4**	296	**A703_120.6 P132 BE132S4**	**A703_120.6 P132 BX132SB4**	297
12.6	3799	2.1	116.0	65000	**A803_116.0 S4 ME4SB4**	**A803_116.0 S4 MX4SB4**	299	**A803_116.0 P132 BE132S4**	**A803_116.0 P132 BX132SB4**	300
14.0	3415	1.5	104.2	50000	**A703_104.2 S4 ME4SB4**	**A703_104.2 S4 MX4SB4**	296	**A703_104.2 P132 BE132S4**	**A703_104.2 P132 BX132SB4**	297
14.0	3408	2.3	104.0	65000	**A803_104.0 S4 ME4SB4**	**A803_104.0 S4 MX4SB4**	299	**A803_104.0 P132 BE132S4**	**A803_104.0 P132 BX132SB4**	300
15.2	3152	1.6	96.2	50000	**A703_96.2 S4 ME4SB4**	**A703_96.2 S4 MX4SB4**	296	**A703_96.2 P132 BE132S4**	**A703_96.2 P132 BX132SB4**	297
15.2	3146	2.5	96.0	65000	**A803_96.0 S4 ME4SB4**	**A803_96.0 S4 MX4SB4**	299	**A803_96.0 P132 BE132S4**	**A803_96.0 P132 BX132SB4**	300
16.4	2922	2.7	89.2	65000	**A803_89.2 S4 ME4SB4**	**A803_89.2 S4 MX4SB4**	299	**A803_89.2 P132 BE132S4**	**A803_89.2 P132 BX132SB4**	300
16.9	2829	1.0	86.4	30000	**A603_86.4 S4 ME4SB4**	**A603_86.4 S4 MX4SB4**	292	**A603_86.4 P132 BE132S4**	**A603_86.4 P132 BX132SB4**	293
17.0	2815	1.8	85.9	50000	**A703_85.9 S4 ME4SB4**	**A703_85.9 S4 MX4SB4**	296	**A703_85.9 P132 BE132S4**	**A703_85.9 P132 BX132SB4**	297
17.7	2697	3.0	82.3	65000	**A803_82.3 S4 ME4SB4**	**A803_82.3 S4 MX4SB4**	299	**A803_82.3 P132 BE132S4**	**A803_82.3 P132 BX132SB4**	300
18.3	2612	1.1	79.7	30000	**A603_79.7 S4 ME4SB4**	**A603_79.7 S4 MX4SB4**	292	**A603_79.7 P132 BE132S4**	**A603_79.7 P132 BX132SB4**	293
18.4	2599	1.9	79.3	50000	**A703_79.3 S4 ME4SB4**	**A703_79.3 S4 MX4SB4**	296	**A703_79.3 P132 BE132S4**	**A703_79.3 P132 BX132SB4**	297
20.1	2376	2.1	72.5	50000	**A703_72.5 S4 ME4SB4**	**A703_72.5 S4 MX4SB4**	296	**A703_72.5 P132 BE132S4**	**A703_72.5 P132 BX132SB4**	297
20.2	2371	3.4	72.4	65000	**A803_72.4 S4 ME4SB4**	**A803_72.4 S4 MX4SB4**	299	**A803_72.4 P132 BE132S4**	**A803_72.4 P132 BX132SB4**	300
20.7	2306	1.2	70.4	30000	**A603_70.4 S4 ME4SB4**	**A603_70.4 S4 MX4SB4**	292	**A603_70.4 P132 BE132S4**	**A603_70.4 P132 BX132SB4**	293
21.8	2193	2.3	66.9	50000	**A703_66.9 S4 ME4SB4**	**A703_66.9 S4 MX4SB4**	296	**A703_66.9 P132 BE132S4**	**A703_66.9 P132 BX132SB4**	297
22.5	2129	1.3	65.0	30000	**A603_65.0 S4 ME4SB4**	**A603_65.0 S4 MX4SB4**	292	**A603_65.0 P132 BE132S4**	**A603_65.0 P132 BX132SB4**	293
22.7	2107	0.9	64.3	30000	**A553_64.3 S4 ME4SB4**	**A553_64.3 S4 MX4SB4**	288	**A553_64.3 P132 BE132S4**	**A553_64.3 P132 BX132SB4**	289
25.3	1889	2.6	57.7	50000	**A703_57.7 S4 ME4SB4**	**A703_57.7 S4 MX4SB4**	296	**A703_57.7 P132 BE132S4**	**A703_57.7 P132 BX132SB4**	297
26.3	1822	1.5	55.6	30000	**A603_55.6 S4 ME4SB4**	**A603_55.6 S4 MX4SB4**	292	**A603_55.6 P132 BE132S4**	**A603_55.6 P132 BX132SB4**	293
27.4	1744	2.9	53.2	50000	**A703_53.2 S4 ME4SB4**	**A703_53.2 S4 MX4SB4**	296	**A703_53.2 P132 BE132S4**	**A703_53.2 P132 BX132SB4**	297
28.4	1681	1.7	51.3	30000	**A603_51.3 S4 ME4SB4**	**A603_51.3 S4 MX4SB4**	292	**A603_51.3 P132 BE132S4**	**A603_51.3 P132 BX132SB4**	293
28.7	1669	1.2	51.0	30000	**A553_51.0 S4 ME4SB4**	**A553_51.0 S4 MX4SB4**	288	**A553_51.0 P132 BE132S4**	**A553_51.0 P132 BX132SB4**	289
29.8	1605	3.1	49.0	50000	**A703_49.0 S4 ME4SB4**	**A703_49.0 S4 MX4SB4**	296	**A703_49.0 P132 BE132S4**	**A703_49.0 P132 BX132SB4**	297
32	1482	3.2	45.2	50000	**A703_45.2 S4 ME4SB4**	**A703_45.2 S4 MX4SB4**	296	**A703_45.2 P132 BE132S4**	**A703_45.2 P132 BX132SB4**	297
32	1480	1.9	45.2	30000	**A603_45.2 S4 ME4SB4**	**A603_45.2 S4 MX4SB4**	292	**A603_45.2 P132 BE132S4**	**A603_45.2 P132 BX132SB4**	293
32	1474	1.0	45.0	12400	**A503_45.0 S4 ME4SB4**	**A503_45.0 S4 MX4SB4**	284	**A503_45.0 P132 BE132S4**	**A503_45.0 P132 BX132SB4**	285
35	1367	2.0	41.7	30000	**A603_41.7 S4 ME4SB4**	**A603_41.7 S4 MX4SB4**	292	**A603_41.7 P132 BE132S4**	**A603_41.7 P132 BX132SB4**	293
36	1341	1.1	40.9	12600	**A503_40.9 S4 ME4SB4**	**A503_40.9 S4 MX4SB4**	284	**A503_40.9 P132 BE132S4**	**A503_40.9 P132 BX132SB4**	285
36	1320	1.5	40.3	30000	**A553_40.3 S4 ME4SB4**	**A553_40.3 S4 MX4SB4**	288	**A553_40.3 P132 BE132S4**	**A553_40.3 P132 BX132SB4**	289
41	1166	1.3	35.6	12700	**A503_35.6 S4 ME4SB4**	**A503_35.6 S4 MX4SB4**	284	**A503_35.6 P132 BE132S4**	**A503_35.6 P132 BX132SB4**	285
43	1124	2.5	34.3	30000	**A603_34.3 S4 ME4SB4**	**A603_34.3 S4 MX4SB4**	292	**A603_34.3 P132 BE132S4**	**A603_34.3 P132 BX132SB4**	293
45	1061	1.4	32.4	12700	**A503_32.4 S4 ME4SB4**	**A503_32.4 S4 MX4SB4**	284	**A503_32.4 P132 BE132S4**	**A503_32.4 P132 BX132SB4**	285
46	1037	2.7	31.7	30000	**A603_31.7 S4 ME4SB4**	**A603_31.7 S4 MX4SB4**	292	**A603_31.7 P132 BE132S4**	**A603_31.7 P132 BX132SB4**	293

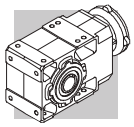


5.5 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE2	IE3		IEC IE2	IEC IE3	
49	981	2.0	29.9	30000	**A553_29.9 S4 ME4SB4**	**A553_29.9 S4 MX4SB4**	288	**A553_29.9 P132 BE132S4**	**A553_29.9 P132 BX132SB4**	289
52	912	3.1	27.9	30000	**A603_27.9 S4 ME4SB4**	**A603_27.9 S4 MX4SB4**	292	**A603_27.9 P132 BE132S4**	**A603_27.9 P132 BX132SB4**	293
55	866	1.7	26.4	12600	**A503_26.4 S4 ME4SB4**	**A503_26.4 S4 MX4SB4**	284	**A503_26.4 P132 BE132S4**	**A503_26.4 P132 BX132SB4**	285
57	842	3.3	25.7	30000	**A603_25.7 S4 ME4SB4**	**A603_25.7 S4 MX4SB4**	292	**A603_25.7 P132 BE132S4**	**A603_25.7 P132 BX132SB4**	293
61	788	1.9	24.0	12500	**A503_24.0 S4 ME4SB4**	**A503_24.0 S4 MX4SB4**	284	**A503_24.0 P132 BE132S4**	**A503_24.0 P132 BX132SB4**	285
61	779	2.5	23.8	29800	**A553_23.8 S4 ME4SB4**	**A553_23.8 S4 MX4SB4**	288	**A553_23.8 P132 BE132S4**	**A553_23.8 P132 BX132SB4**	289
70	708	1.7	20.9	14400	**A502_20.9 S4 ME4SB4**	**A502_20.9 S4 MX4SB4**	284	**A502_20.9 P132 BE132S4**	**A502_20.9 P132 BX132SB4**	285
71	697	2.9	20.6	30000	**A602_20.6 S4 ME4SB4**	**A602_20.6 S4 MX4SB4**	292	**A602_20.6 P132 BE132S4**	**A602_20.6 P132 BX132SB4**	293
76	651	2.8	19.2	29300	**A552_19.2 S4 ME4SB4**	**A552_19.2 S4 MX4SB4**	288	**A552_19.2 P132 BE132S4**	**A552_19.2 P132 BX132SB4**	289
82	601	1.0	17.8	9280	**A412_17.8 S4 ME4SB4**	**A412_17.8 S4 MX4SB4**	280	**A412_17.8 P132 BE132S4**	**A412_17.8 P132 BX132SB4**	281
87	566	3.5	16.7	30000	**A602_16.7 S4 ME4SB4**	**A602_16.7 S4 MX4SB4**	292	**A602_16.7 P132 BE132S4**	**A602_16.7 P132 BX132SB4**	293
88	561	2.1	16.6	13600	**A502_16.6 S4 ME4SB4**	**A502_16.6 S4 MX4SB4**	284	**A502_16.6 P132 BE132S4**	**A502_16.6 P132 BX132SB4**	285
91	545	1.1	16.1	9160	**A412_16.1 S4 ME4SB4**	**A412_16.1 S4 MX4SB4**	280	**A412_16.1 P132 BE132S4**	**A412_16.1 P132 BX132SB4**	281
93	531	3.4	15.7	27700	**A552_15.7 S4 ME4SB4**	**A552_15.7 S4 MX4SB4**	288	**A552_15.7 P132 BE132S4**	**A552_15.7 P132 BX132SB4**	289
106	466	1.3	13.8	8940	**A412_13.8 S4 ME4SB4**	**A412_13.8 S4 MX4SB4**	280	**A412_13.8 P132 BE132S4**	**A412_13.8 P132 BX132SB4**	281
111	444	2.5	13.1	12800	**A502_13.1 S4 ME4SB4**	**A502_13.1 S4 MX4SB4**	284	**A502_13.1 P132 BE132S4**	**A502_13.1 P132 BX132SB4**	285
124	397	1.4	11.7	8670	**A412_11.7 S4 ME4SB4**	**A412_11.7 S4 MX4SB4**	280	**A412_11.7 P132 BE132S4**	**A412_11.7 P132 BX132SB4**	281
124	399	1.0	11.8	6450	**A352_11.8 S4 ME4SB4**	**A352_11.8 S4 MX4SB4**	276	**A352_11.8 P132 BE132S4**	**A352_11.8 P132 BX132SB4**	277
138	360	1.1	10.6	6360	**A352_10.6 S4 ME4SB4**	**A352_10.6 S4 MX4SB4**	276	**A352_10.6 P132 BE132S4**	**A352_10.6 P132 BX132SB4**	277
144	343	1.6	10.1	8440	**A412_10.1 S4 ME4SB4**	**A412_10.1 S4 MX4SB4**	280	**A412_10.1 P132 BE132S4**	**A412_10.1 P132 BX132SB4**	281
150	329	3.0	9.7	11800	**A502_9.7 S4 ME4SB4**	**A502_9.7 S4 MX4SB4**	284	**A502_9.7 P132 BE132S4**	**A502_9.7 P132 BX132SB4**	285
157	315	1.3	9.3	6240	**A352_9.3 S4 ME4SB4**	**A352_9.3 S4 MX4SB4**	276	**A352_9.3 P132 BE132S4**	**A352_9.3 P132 BX132SB4**	277
159	311	1.8	9.2	8250	**A412_9.2 S4 ME4SB4**	**A412_9.2 S4 MX4SB4**	280	**A412_9.2 P132 BE132S4**	**A412_9.2 P132 BX132SB4**	281
173	286	1.3	8.5	6140	**A352_8.5 S4 ME4SB4**	**A352_8.5 S4 MX4SB4**	276	**A352_8.5 P132 BE132S4**	**A352_8.5 P132 BX132SB4**	277
175	282	2.0	8.3	8080	**A412_8.3 S4 ME4SB4**	**A412_8.3 S4 MX4SB4**	280	**A412_8.3 P132 BE132S4**	**A412_8.3 P132 BX132SB4**	281
205	241	2.3	7.1	7790	**A412_7.1 S4 ME4SB4**	**A412_7.1 S4 MX4SB4**	280	**A412_7.1 P132 BE132S4**	**A412_7.1 P132 BX132SB4**	281
208	238	1.6	7.0	5930	**A352_7.0 S4 ME4SB4**	**A352_7.0 S4 MX4SB4**	276	**A352_7.0 P132 BE132S4**	**A352_7.0 P132 BX132SB4**	277
228	217	1.6	6.4	5820	**A352_6.4 S4 ME4SB4**	**A352_6.4 S4 MX4SB4**	276	**A352_6.4 P132 BE132S4**	**A352_6.4 P132 BX132SB4**	277
249	198	2.8	11.7	7430	**A412_11.7 S4 ME4SB2**		280	**A412_11.7 P132 BE132SA2**		281
270	183	1.9	5.4	5610	**A352_5.4 S4 ME4SB4**	**A352_5.4 S4 MX4SB4**	276	**A352_5.4 P132 BE132S4**	**A352_5.4 P132 BX132SB4**	277
289	171	2.5	10.1	7170	**A412_10.1 S4 ME4SB2**		280	**A412_10.1 P132 BE132SA2**		281
416	119	3.1	7.0	5060	**A352_7.0 S4 ME4SB2**		276	**A352_7.0 P132 BE132SA2**		277

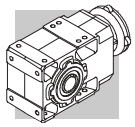
7.5 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE2	IE3		IEC IE2	IEC IE3	
4.1	15516	0.9	355.8	75000	**A904_355.8 S4 ME4LA4**	**A904_355.8 S4 MX4LA4**	302	**A904_355.8 P132 BE132MA4**	**A904_355.8 P132 BX132MA4**	303
4.8	13296	1.1	304.9	75000	**A904_304.9 S4 ME4LA4**	**A904_304.9 S4 MX4LA4**	302	**A904_304.9 P132 BE132MA4**	**A904_304.9 P132 BX132MA4**	303
5.2	12273	1.1	281.4	75000	**A904_281.4 S4 ME4LA4**	**A904_281.4 S4 MX4LA4**	302	**A904_281.4 P132 BE132MA4**	**A904_281.4 P132 BX132MA4**	303
6.4	9875	1.4	226.4	75000	**A904_226.4 S4 ME4LA4**	**A904_226.4 S4 MX4LA4**	302	**A904_226.4 P132 BE132MA4**	**A904_226.4 P132 BX132MA4**	303
7.0	9115	1.5	209.0	75000	**A904_209.0 S4 ME4LA4**	**A904_209.0 S4 MX4LA4**	302	**A904_209.0 P132 BE132MA4**	**A904_209.0 P132 BX132MA4**	303
8.1	7849	1.8	180.0	75000	**A904_180.0 S4 ME4LA4**	**A904_180.0 S4 MX4LA4**	302	**A904_180.0 P132 BE132MA4**	**A904_180.0 P132 BX132MA4**	303
8.5	7470	1.1	171.3	65000	**A804_171.3 S4 ME4LA4**	**A804_171.3 S4 MX4LA4**	299	**A804_171.3 P132 BE132MA4**	**A804_171.3 P132 BX132MA4**	300
8.8	7245	1.9	166.1	75000	**A904_166.1 S4 ME4LA4**	**A904_166.1 S4 MX4LA4**	302	**A904_166.1 P132 BE132MA4**	**A904_166.1 P132 BX132MA4**	303
9.3	6992	1.1	156.8	65000	**A803_156.8 S4 ME4LA4**	**A803_156.8 S4 MX4LA4**	299	**A803_156.8 P132 BE132MA4**	**A803_156.8 P132 BX132MA4**	300
9.6	6733	2.0	151.0	75000	**A903_151.0 S4 ME4LA4**	**A903_151.0 S4 MX4LA4**	302	**A903_151.0 P132 BE132MA4**	**A903_151.0 P132 BX132MA4**	303
10.1	6454	1.2	144.7	65000	**A803_144.7 S4 ME4LA4**	**A803_144.7 S4 MX4LA4**	299	**A803_144.7 P132 BE132MA4**	**A803_144.7 P132 BX132MA4**	300
10.4	6216	2.1	139.4	75000	**A903_139.4 S4 ME4LA4**	**A903_139.4 S4 MX4LA4**	302	**A903_139.4 P132 BE132MA4**	**A903_139.4 P132 BX132MA4**	303
11.5	5647	2.3	126.6	75000	**A903_126.6 S4 ME4LA4**	**A903_126.6 S4 MX4LA4**	302	**A903_126.6 P132 BE132MA4**	**A903_126.6 P132 BX132MA4**	303
11.6	5601	1.4	125.6	65000	**A803_125.6 S4 ME4LA4**	**A803_125.6 S4 MX4LA4**	299	**A803_125.6 P132 BE132MA4**	**A803_125.6 P132 BX132MA4**	300
12.1	5378	0.9	120.6	50000	**A703_120.6 S4 ME4LA4**	**A703_120.6 S4 MX4LA4**	296	**A703_120.6 P132 BE132MA4**	**A703_120.6 P132 BX132MA4**	297
12.4	5213	2.7	116.9	75000	**A903_116.9 S4 ME4LA4**	**A903_116.9 S4 MX4LA4**	302	**A903_116.9 P132 BE132MA4**	**A903_116.9 P132 BX132MA4**	303
12.5	5170	1.5	116.0	65000	**A803_116.0 S4 ME4LA4**	**A803_116.0 S4 MX4LA4**	299	**A803_116.0 P132 BE132MA4**	**A803_116.0 P132 BX132MA4**	300
13.6	4763	2.9	106.8	75000	**A903_106.8 S4 ME4LA4**	**A903_106.8 S4 MX4LA4**	302	**A903_106.8 P132 BE132MA4**	**A903_106.8 P132 BX132MA4**	303



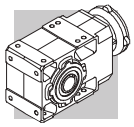
7.5 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE2	IE3		IEC IE2	IEC IE3	
14.0	4648	1.1	104.2	50000	**A703_104.2 S4 ME4LA4**	**A703_104.2 S4 MX4LA4**	296	**A703_104.2 P132 BE132MA4**	**A703_104.2 P132 BX132MA4**	297
14.0	4639	1.7	104.0	65000	**A803_104.0 S4 ME4LA4**	**A803_104.0 S4 MX4LA4**	299	**A803_104.0 P132 BE132MA4**	**A803_104.0 P132 BX132MA4**	300
14.8	4397	3.2	98.6	75000	**A903_98.6 S4 ME4LA4**	**A903_98.6 S4 MX4LA4**	302	**A903_98.6 P132 BE132MA4**	**A903_98.6 P132 BX132MA4**	303
15.1	4290	1.2	96.2	50000	**A703_96.2 S4 ME4LA4**	**A703_96.2 S4 MX4LA4**	296	**A703_96.2 P132 BE132MA4**	**A703_96.2 P132 BX132MA4**	297
15.2	4282	1.9	96.0	65000	**A803_96.0 S4 ME4LA4**	**A803_96.0 S4 MX4LA4**	299	**A803_96.0 P132 BE132MA4**	**A803_96.0 P132 BX132MA4**	300
16.3	3977	2.0	89.2	65000	**A803_89.2 S4 ME4LA4**	**A803_89.2 S4 MX4LA4**	299	**A803_89.2 P132 BE132MA4**	**A803_89.2 P132 BX132MA4**	300
16.9	3832	1.3	85.9	50000	**A703_85.9 S4 ME4LA4**	**A703_85.9 S4 MX4LA4**	296	**A703_85.9 P132 BE132MA4**	**A703_85.9 P132 BX132MA4**	297
17.7	3671	2.2	82.3	65000	**A803_82.3 S4 ME4LA4**	**A803_82.3 S4 MX4LA4**	299	**A803_82.3 P132 BE132MA4**	**A803_82.3 P132 BX132MA4**	300
18.3	3537	1.4	79.3	50000	**A703_79.3 S4 ME4LA4**	**A703_79.3 S4 MX4LA4**	296	**A703_79.3 P132 BE132MA4**	**A703_79.3 P132 BX132MA4**	297
20.1	3234	1.5	72.5	50000	**A703_72.5 S4 ME4LA4**	**A703_72.5 S4 MX4LA4**	296	**A703_72.5 P132 BE132MA4**	**A703_72.5 P132 BX132MA4**	297
20.1	3227	2.5	72.4	65000	**A803_72.4 S4 ME4LA4**	**A803_72.4 S4 MX4LA4**	299	**A803_72.4 P132 BE132MA4**	**A803_72.4 P132 BX132MA4**	300
20.7	3139	0.9	70.4	30000	**A603_70.4 S4 ME4LA4**	**A603_70.4 S4 MX4LA4**	292	**A603_70.4 P132 BE132MA4**	**A603_70.4 P132 BX132MA4**	293
21.7	2985	1.7	66.9	50000	**A703_66.9 S4 ME4LA4**	**A703_66.9 S4 MX4LA4**	296	**A703_66.9 P132 BE132MA4**	**A703_66.9 P132 BX132MA4**	297
21.8	2979	2.7	66.8	65000	**A803_66.8 S4 ME4LA4**	**A803_66.8 S4 MX4LA4**	299	**A803_66.8 P132 BE132MA4**	**A803_66.8 P132 BX132MA4**	300
22.4	2898	1.0	65.0	30000	**A603_65.0 S4 ME4LA4**	**A603_65.0 S4 MX4LA4**	292	**A603_65.0 P132 BE132MA4**	**A603_65.0 P132 BX132MA4**	293
24.3	2666	3.0	59.8	63800	**A803_59.8 S4 ME4LA4**	**A803_59.8 S4 MX4LA4**	299	**A803_59.8 P132 BE132MA4**	**A803_59.8 P132 BX132MA4**	300
25.2	2571	1.9	57.7	50000	**A703_57.7 S4 ME4LA4**	**A703_57.7 S4 MX4LA4**	296	**A703_57.7 P132 BE132MA4**	**A703_57.7 P132 BX132MA4**	297
26.2	2479	1.1	55.6	30000	**A603_55.6 S4 ME4LA4**	**A603_55.6 S4 MX4LA4**	292	**A603_55.6 P132 BE132MA4**	**A603_55.6 P132 BX132MA4**	293
26.4	2461	3.2	55.2	62600	**A803_55.2 S4 ME4LA4**	**A803_55.2 S4 MX4LA4**	299	**A803_55.2 P132 BE132MA4**	**A803_55.2 P132 BX132MA4**	300
27.3	2374	2.1	53.2	50000	**A703_53.2 S4 ME4LA4**	**A703_53.2 S4 MX4LA4**	296	**A703_53.2 P132 BE132MA4**	**A703_53.2 P132 BX132MA4**	297
28.3	2289	1.2	51.3	30000	**A603_51.3 S4 ME4LA4**	**A603_51.3 S4 MX4LA4**	292	**A603_51.3 P132 BE132MA4**	**A603_51.3 P132 BX132MA4**	293
29.7	2185	2.3	49.0	50000	**A703_49.0 S4 ME4LA4**	**A703_49.0 S4 MX4LA4**	296	**A703_49.0 P132 BE132MA4**	**A703_49.0 P132 BX132MA4**	297
32	2017	2.4	45.2	50000	**A703_45.2 S4 ME4LA4**	**A703_45.2 S4 MX4LA4**	296	**A703_45.2 P132 BE132MA4**	**A703_45.2 P132 BX132MA4**	297
32	2015	1.4	45.2	30000	**A603_45.2 S4 ME4LA4**	**A603_45.2 S4 MX4LA4**	292	**A603_45.2 P132 BE132MA4**	**A603_45.2 P132 BX132MA4**	293
35	1860	1.5	41.7	30000	**A603_41.7 S4 ME4LA4**	**A603_41.7 S4 MX4LA4**	292	**A603_41.7 P132 BE132MA4**	**A603_41.7 P132 BX132MA4**	293
36	1797	1.1	40.3	30000	**A553_40.3 S4 ME4LA4**	**A553_40.3 S4 MX4LA4**	288	**A553_40.3 P132 BE132MA4**	**A553_40.3 P132 BX132MA4**	289
38	1712	2.8	38.4	50000	**A703_38.4 S4 ME4LA4**	**A703_38.4 S4 MX4LA4**	296	**A703_38.4 P132 BE132MA4**	**A703_38.4 P132 BX132MA4**	297
41	1587	0.9	35.6	10100	**A503_35.6 S4 ME4LA4**	**A503_35.6 S4 MX4LA4**	284	**A503_35.6 P132 BE132MA4**	**A503_35.6 P132 BX132MA4**	285
41	1580	2.8	35.4	50000	**A703_35.4 S4 ME4LA4**	**A703_35.4 S4 MX4LA4**	296	**A703_35.4 P132 BE132MA4**	**A703_35.4 P132 BX132MA4**	297
42	1529	1.8	34.3	30000	**A603_34.3 S4 ME4LA4**	**A603_34.3 S4 MX4LA4**	292	**A603_34.3 P132 BE132MA4**	**A603_34.3 P132 BX132MA4**	293
45	1444	1.0	32.4	10300	**A503_32.4 S4 ME4LA4**	**A503_32.4 S4 MX4LA4**	284	**A503_32.4 P132 BE132MA4**	**A503_32.4 P132 BX132MA4**	285
46	1412	2.0	31.7	30000	**A603_31.7 S4 ME4LA4**	**A603_31.7 S4 MX4LA4**	292	**A603_31.7 P132 BE132MA4**	**A603_31.7 P132 BX132MA4**	293
49	1335	1.5	29.9	30000	**A553_29.9 S4 ME4LA4**	**A553_29.9 S4 MX4LA4**	288	**A553_29.9 P132 BE132MA4**	**A553_29.9 P132 BX132MA4**	289
52	1242	2.3	27.9	30000	**A603_27.9 S4 ME4LA4**	**A603_27.9 S4 MX4LA4**	292	**A603_27.9 P132 BE132MA4**	**A603_27.9 P132 BX132MA4**	293
55	1179	1.3	26.4	10700	**A503_26.4 S4 ME4LA4**	**A503_26.4 S4 MX4LA4**	284	**A503_26.4 P132 BE132MA4**	**A503_26.4 P132 BX132MA4**	285
57	1146	2.4	25.7	30000	**A603_25.7 S4 ME4LA4**	**A603_25.7 S4 MX4LA4**	292	**A603_25.7 P132 BE132MA4**	**A603_25.7 P132 BX132MA4**	293
61	1072	1.4	24.0	10800	**A503_24.0 S4 ME4LA4**	**A503_24.0 S4 MX4LA4**	284	**A503_24.0 P132 BE132MA4**	**A503_24.0 P132 BX132MA4**	285
61	1061	1.8	23.8	28800	**A553_23.8 S4 ME4LA4**	**A553_23.8 S4 MX4LA4**	288	**A553_23.8 P132 BE132MA4**	**A553_23.8 P132 BX132MA4**	289
70	963	1.2	20.9	13700	**A502_20.9 S4 ME4LA4**	**A502_20.9 S4 MX4LA4**	284	**A502_20.9 P132 BE132MA4**	**A502_20.9 P132 BX132MA4**	285
71	949	2.1	20.6	30000	**A602_20.6 S4 ME4LA4**	**A602_20.6 S4 MX4LA4**	292	**A602_20.6 P132 BE132MA4**	**A602_20.6 P132 BX132MA4**	293
76	886	2.0	19.2	28800	**A552_19.2 S4 ME4LA4**	**A552_19.2 S4 MX4LA4**	288	**A552_19.2 P132 BE132MA4**	**A552_19.2 P132 BX132MA4**	289
87	771	2.6	16.7	30000	**A602_16.7 S4 ME4LA4**	**A602_16.7 S4 MX4LA4**	292	**A602_16.7 P132 BE132MA4**	**A602_16.7 P132 BX132MA4**	293
88	763	1.6	16.6	13000	**A502_16.6 S4 ME4LA4**	**A502_16.6 S4 MX4LA4**	284	**A502_16.6 P132 BE132MA4**	**A502_16.6 P132 BX132MA4**	285
93	722	2.5	15.7	27300	**A552_15.7 S4 ME4LA4**	**A552_15.7 S4 MX4LA4**	288	**A552_15.7 P132 BE132MA4**	**A552_15.7 P132 BX132MA4**	289
106	634	0.9	13.8	8130	**A412_13.8 S4 ME4LA4**	**A412_13.8 S4 MX4LA4**	280	**A412_13.8 P132 BE132MA4**	**A412_13.8 P132 BX132MA4**	281
111	604	1.8	13.1	12300	**A502_13.1 S4 ME4LA4**	**A502_13.1 S4 MX4LA4**	284	**A502_13.1 P132 BE132MA4**	**A502_13.1 P132 BX132MA4**	285
111	602	3.0	13.1	26100	**A552_13.1 S4 ME4LA4**	**A552_13.1 S4 MX4LA4**	288	**A552_13.1 P132 BE132MA4**	**A552_13.1 P132 BX132MA4**	289
115	585	3.4	12.7	30000	**A602_12.7 S4 ME4LA4**	**A602_12.7 S4 MX4LA4**	292	**A602_12.7 P132 BE132MA4**	**A602_12.7 P132 BX132MA4**	293
124	541	1.0	11.7	7970	**A412_11.7 S4 ME4LA4**	**A412_11.7 S4 MX4LA4**	280	**A412_11.7 P132 BE132MA4**	**A412_11.7 P132 BX132MA4**	281
144	467	1.1	10.1	7850	**A412_10.1 S4 ME4LA4**	**A412_10.1 S4 MX4LA4**	280	**A412_10.1 P132 BE132MA4**	**A412_10.1 P132 BX132MA4**	281
149	448	2.2	9.7	11500	**A502_9.7 S4 ME4LA4**	**A502_9.7 S4 MX4LA4**	284	**A502_9.7 P132 BE132MA4**	**A502_9.7 P132 BX132MA4**	285
156	429	0.9	9.3	5650	**A352_9.3 S4 ME4LA4**	**A352_9.3 S4 MX4LA4**	276	**A352_9.3 P132 BE132MA4**	**A352_9.3 P132 BX132MA4**	277
158	424	1.3	9.2	7710	**A412_9.2 S4 ME4LA4**	**A412_9.2 S4 MX4LA4**	280	**A412_9.2 P132 BE132MA4**	**A412_9.2 P132 BX132MA4**	281
172	390	1.0	8.5	5600	**A352_8.5 S4 ME4LA4**	**A352_8.5 S4 MX4LA4**	276	**A352_8.5 P132 BE132MA4**	**A352_8.5 P132 BX132MA4**	277
175	384	1.4	8.3	7590	**A412_8.3 S4 ME4LA4**	**A412_8.3 S4 MX4LA4**	280	**A412_8.3 P132 BE132MA4**	**A412_8.3 P132 BX132MA4**	281
188	356	2.7	7.7	10800	**A502_7.7 S4 ME4LA4**	**A502_7.7 S4 MX4LA4**	284	**A502_7.7 P132 BE132MA4**	**A502_7.7 P132 BX132MA4**	285
204	328	1.7	7.1	7370	**A412_7.1 S4 ME4LA4**	**A412_7.1 S4 MX4LA4**	280	**A412_7.1 P132 BE132MA4**	**A412_7.1 P132 BX132MA4**	281
207	323	1.1	7.0	5490	**A352_7.0 S4 ME4LA4**	**A352_7.0 S4 MX4LA4**	276	**A352_7.0 P132 BE132MA4**	**A352_7.0 P132 BX132MA4**	277
227	295	1.2	6.4	5420	**A352_6.4 S4 ME4LA4**	**A352_6.4 S4 MX4LA4**	276	**A352_6.4 P132 BE132MA4**	**A352_6.4 P132 BX132MA4**	277
269	249	1.4	5.4	5270	**A352_5.4 S4 ME4LA4**	**A352_5.4 S4 MX4LA4**	276	**A352_5.4 P132 BE132MA4**	**A352_5.4 P132 BX132MA4**	277
277	242	2.3	5.2	6920	**A412_5.2 S4 ME4LA4**	**A412_5.2 S4 MX4LA4**	280	**A412_5.2 P132 BE132MA4**	**A412_5.2 P132 BX132MA4**	281
318	212	2.5	9.2	6710	**A412_9.2 S4 ME4LA2**		280	**A412_9.2 P132 BE132SB2**		281
351	192	2.7	8.3	6550	**A412_8.3 S4 ME4LA2**		280	**A412_8.3 P132 BE132SB2**		281
416	162	2.3	7.0	4830	**A352_7.0 S4 ME4LA2**		276	**A352_7.0 P132 BE132SB2**		277
540	125	2.7	5.4	4550	**A352_5.4 S4 ME4LA2**		276	**A352_5.4 P132 BE132SB2**		277



9.2 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE2	IE3		IEC IE2	IEC IE3	
5.2	15279	0.9	281.4	75000	**A904_281.4 S4 ME4LB4**		302	**A904_281.4 P132 BE132MB4**	**A904_281.4 P160 BX160MA4**	303
6.4	12293	1.1	226.4	75000	**A904_226.4 S4 ME4LB4**		302	**A904_226.4 P132 BE132MB4**	**A904_226.4 P160 BX160MA4**	303
6.9	11347	1.2	209.0	75000	**A904_209.0 S4 ME4LB4**		302	**A904_209.0 P132 BE132MB4**	**A904_209.0 P160 BX160MA4**	303
8.1	9771	1.4	180.0	75000	**A904_180.0 S4 ME4LB4**		302	**A904_180.0 P132 BE132MB4**	**A904_180.0 P160 BX160MA4**	303
8.5	9300	0.9	171.3	65000	**A804_171.3 S4 ME4LB4**		299	**A804_171.3 P132 BE132MB4**		300
8.7	9019	1.6	166.1	75000	**A904_166.1 S4 ME4LB4**		302	**A904_166.1 P132 BE132MB4**	**A904_166.1 P160 BX160MA4**	303
9.2	8704	0.9	156.8	65000	**A803_156.8 S4 ME4LB4**	**A803_156.8 S5 MX5SA4**	299	**A803_156.8 P132 BE132MB4**	**A803_156.8 P160 BX160MA4**	300
9.6	8383	1.6	151.0	75000	**A903_151.0 S4 ME4LB4**	**A903_151.0 S5 MX5SA4**	302	**A903_151.0 P132 BE132MB4**	**A903_151.0 P160 BX160MA4**	303
10.0	8034	1.0	144.7	65000	**A803_144.7 S4 ME4LB4**	**A803_144.7 S5 MX5SA4**	299	**A803_144.7 P132 BE132MB4**	**A803_144.7 P160 BX160MA4**	300
10.4	7738	1.6	139.4	75000	**A903_139.4 S4 ME4LB4**	**A903_139.4 S5 MX5SA4**	302	**A903_139.4 P132 BE132MB4**	**A903_139.4 P160 BX160MA4**	303
11.4	7030	1.9	126.6	75000	**A903_126.6 S4 ME4LB4**	**A903_126.6 S5 MX5SA4**	302	**A903_126.6 P132 BE132MB4**	**A903_126.6 P160 BX160MA4**	303
11.5	6973	1.1	125.6	65000	**A803_125.6 S4 ME4LB4**	**A803_125.6 S5 MX5SA4**	299	**A803_125.6 P132 BE132MB4**	**A803_125.6 P160 BX160MA4**	300
12.4	6489	2.2	116.9	75000	**A903_116.9 S4 ME4LB4**	**A903_116.9 S5 MX5SA4**	302	**A903_116.9 P132 BE132MB4**	**A903_116.9 P160 BX160MA4**	303
12.5	6437	1.2	116.0	65000	**A803_116.0 S4 ME4LB4**	**A803_116.0 S5 MX5SA4**	299	**A803_116.0 P132 BE132MB4**	**A803_116.0 P160 BX160MA4**	300
13.6	5930	2.4	106.8	75000	**A903_106.8 S4 ME4LB4**	**A903_106.8 S5 MX5SA4**	302	**A903_106.8 P132 BE132MB4**	**A903_106.8 P160 BX160MA4**	303
13.9	5775	1.4	104.0	65000	**A803_104.0 S4 ME4LB4**	**A803_104.0 S5 MX5SA4**	299	**A803_104.0 P132 BE132MB4**	**A803_104.0 P160 BX160MA4**	300
14.7	5473	2.6	98.6	75000	**A903_98.6 S4 ME4LB4**	**A903_98.6 S5 MX5SA4**	302	**A903_98.6 P132 BE132MB4**	**A903_98.6 P160 BX160MA4**	303
15.1	5341	0.9	96.2	50000	**A703_96.2 S4 ME4LB4**	**A703_96.2 S5 MX5SA4**	296	**A703_96.2 P132 BE132MB4**	**A703_96.2 P160 BX160MA4**	297
15.1	5331	1.5	96.0	65000	**A803_96.0 S4 ME4LB4**	**A803_96.0 S5 MX5SA4**	299	**A803_96.0 P132 BE132MB4**	**A803_96.0 P160 BX160MA4**	300
16.3	4950	1.6	89.2	65000	**A803_89.2 S4 ME4LB4**	**A803_89.2 S5 MX5SA4**	299	**A803_89.2 P132 BE132MB4**	**A803_89.2 P160 BX160MA4**	300
16.7	4833	2.9	87.1	75000	**A903_87.1 S4 ME4LB4**	**A903_87.1 S5 MX5SA4**	302	**A903_87.1 P132 BE132MB4**	**A903_87.1 P160 BX160MA4**	303
16.9	4770	1.0	85.9	50000	**A703_85.9 S4 ME4LB4**	**A703_85.9 S5 MX5SA4**	296	**A703_85.9 P132 BE132MB4**	**A703_85.9 P160 BX160MA4**	297
17.6	4570	1.8	82.3	65000	**A803_82.3 S4 ME4LB4**	**A803_82.3 S5 MX5SA4**	299	**A803_82.3 P132 BE132MB4**	**A803_82.3 P160 BX160MA4**	300
18.0	4461	3.1	80.4	75000	**A903_80.4 S4 ME4LB4**	**A903_80.4 S5 MX5SA4**	302	**A903_80.4 P132 BE132MB4**	**A903_80.4 P160 BX160MA4**	303
18.3	4403	1.1	79.3	50000	**A703_79.3 S4 ME4LB4**	**A703_79.3 S5 MX5SA4**	296	**A703_79.3 P132 BE132MB4**	**A703_79.3 P160 BX160MA4**	297
19.5	4134	3.4	74.5	75000	**A903_74.5 S4 ME4LB4**	**A903_74.5 S5 MX5SA4**	302	**A903_74.5 P132 BE132MB4**	**A903_74.5 P160 BX160MA4**	303
20.0	4026	1.2	72.5	50000	**A703_72.5 S4 ME4LB4**	**A703_72.5 S5 MX5SA4**	296	**A703_72.5 P132 BE132MB4**	**A703_72.5 P160 BX160MA4**	297
20.0	4017	2.0	72.4	65000	**A803_72.4 S4 ME4LB4**	**A803_72.4 S5 MX5SA4**	299	**A803_72.4 P132 BE132MB4**	**A803_72.4 P160 BX160MA4**	300
21.7	3716	1.3	66.9	50000	**A703_66.9 S4 ME4LB4**	**A703_66.9 S5 MX5SA4**	296	**A703_66.9 P132 BE132MB4**	**A703_66.9 P160 BX160MA4**	297
21.7	3708	2.2	66.8	63800	**A803_66.8 S4 ME4LB4**	**A803_66.8 S5 MX5SA4**	299	**A803_66.8 P132 BE132MB4**	**A803_66.8 P160 BX160MA4**	300
24.3	3318	2.4	59.8	62400	**A803_59.8 S4 ME4LB4**	**A803_59.8 S5 MX5SA4**	299	**A803_59.8 P132 BE132MB4**	**A803_59.8 P160 BX160MA4**	300
25.1	3201	1.6	57.7	50000	**A703_57.7 S4 ME4LB4**	**A703_57.7 S5 MX5SA4**	296	**A703_57.7 P132 BE132MB4**	**A703_57.7 P160 BX160MA4**	297
26.1	3087	0.9	55.6	30000	**A603_55.6 S4 ME4LB4**	**A603_55.6 S5 MX5SA4**	292	**A603_55.6 P132 BE132MB4**	**A603_55.6 P160 BX160MA4**	293
26.3	3063	2.6	55.2	61300	**A803_55.2 S4 ME4LB4**	**A803_55.2 S5 MX5SA4**	299	**A803_55.2 P132 BE132MB4**	**A803_55.2 P160 BX160MA4**	300
27.2	2955	1.7	53.2	50000	**A703_53.2 S4 ME4LB4**	**A703_53.2 S5 MX5SA4**	296	**A703_53.2 P132 BE132MB4**	**A703_53.2 P160 BX160MA4**	297
28.3	2849	1.0	51.3	30000	**A603_51.3 S4 ME4LB4**	**A603_51.3 S5 MX5SA4**	292	**A603_51.3 P132 BE132MB4**	**A603_51.3 P160 BX160MA4**	293
29.6	2720	1.8	49.0	50000	**A703_49.0 S4 ME4LB4**	**A703_49.0 S5 MX5SA4**	296	**A703_49.0 P132 BE132MB4**	**A703_49.0 P160 BX160MA4**	297
30	2675	3.0	48.2	59500	**A803_48.2 S4 ME4LB4**	**A803_48.2 S5 MX5SA4**	299	**A803_48.2 P132 BE132MB4**	**A803_48.2 P160 BX160MA4**	300
32	2511	1.9	45.2	50000	**A703_45.2 S4 ME4LB4**	**A703_45.2 S5 MX5SA4**	296	**A703_45.2 P132 BE132MB4**	**A703_45.2 P160 BX160MA4**	297
32	2508	1.1	45.2	30000	**A603_45.2 S4 ME4LB4**	**A603_45.2 S5 MX5SA4**	292	**A603_45.2 P132 BE132MB4**	**A603_45.2 P160 BX160MA4**	293
33	2469	3.0	44.5	58400	**A803_44.5 S4 ME4LB4**	**A803_44.5 S5 MX5SA4**	299	**A803_44.5 P132 BE132MB4**	**A803_44.5 P160 BX160MA4**	300
35	2315	1.2	41.7	30000	**A603_41.7 S4 ME4LB4**	**A603_41.7 S5 MX5SA4**	292	**A603_41.7 P132 BE132MB4**	**A603_41.7 P160 BX160MA4**	293
38	2131	2.3	38.4	50000	**A703_38.4 S4 ME4LB4**	**A703_38.4 S5 MX5SA4**	296	**A703_38.4 P132 BE132MB4**	**A703_38.4 P160 BX160MA4**	297
41	1967	2.3	35.4	50000	**A703_35.4 S4 ME4LB4**	**A703_35.4 S5 MX5SA4**	296	**A703_35.4 P132 BE132MB4**	**A703_35.4 P160 BX160MA4**	297
42	1904	1.5	34.3	30000	**A603_34.3 S4 ME4LB4**	**A603_34.3 S5 MX5SA4**	292	**A603_34.3 P132 BE132MB4**	**A603_34.3 P160 BX160MA4**	293
46	1758	1.6	31.7	30000	**A603_31.7 S4 ME4LB4**	**A603_31.7 S5 MX5SA4**	292	**A603_31.7 P132 BE132MB4**	**A603_31.7 P160 BX160MA4**	293
48	1661	1.2	29.9	29100	**A553_29.9 S4 ME4LB4**	**A553_29.9 S5 MX5SA4**	288	**A553_29.9 P132 BE132MB4**	**A553_29.9 P160 BX160MA4**	289
52	1546	1.8	27.9	30000	**A603_27.9 S4 ME4LB4**	**A603_27.9 S5 MX5SA4**	292	**A603_27.9 P132 BE132MB4**	**A603_27.9 P160 BX160MA4**	293
55	1468	1.0	26.4	9130	**A503_26.4 S4 ME4LB4**	**A503_26.4 S5 MX5SA4**	284	**A503_26.4 P132 BE132MB4**	**A503_26.4 P160 BX160MA4**	285
56	1427	2.0	25.7	30000	**A603_25.7 S4 ME4LB4**	**A603_25.7 S5 MX5SA4**	292	**A603_25.7 P132 BE132MB4**	**A603_25.7 P160 BX160MA4**	293
60	1335	1.1	24.0	9370	**A503_24.0 S4 ME4LB4**	**A503_24.0 S5 MX5SA4**	284	**A503_24.0 P132 BE132MB4**	**A503_24.0 P160 BX160MA4**	285
61	1321	1.5	23.8	27900	**A553_23.8 S4 ME4LB4**	**A553_23.8 S5 MX5SA4**	288	**A553_23.8 P132 BE132MB4**	**A553_23.8 P160 BX160MA4**	289
68	1183	3.4	21.3	46000	**A703_21.3 S4 ME4LB4**	**A703_21.3 S5 MX5SA4**	296	**A703_21.3 P132 BE132MB4**	**A703_21.3 P160 BX160MA4**	297
69	1199	1.0	20.9	13000	**A502_20.9 S4 ME4LB4**	**A502_20.9 S5 MX5SA4**	284	**A502_20.9 P132 BE132MB4**	**A502_20.9 P160 BX160MA4**	285
70	1181	1.7	20.6	30000	**A602_20.6 S4 ME4LB4**	**A602_20.6 S5 MX5SA4**	292	**A602_20.6 P132 BE132MB4**	**A602_20.6 P160 BX160MA4**	293
74	1092	3.4	19.7	45100	**A703_19.7 S4 ME4LB4**	**A703_19.7 S5 MX5SA4**	296	**A703_19.7 P132 BE132MB4**	**A703_19.7 P160 BX160MA4**	297
75	1103	1.6	19.2	28400	**A552_19.2 S4 ME4LB4**	**A552_19.2 S5 MX5SA4**	288	**A552_19.2 P132 BE132MB4**	**A552_19.2 P160 BX160MA4**	289

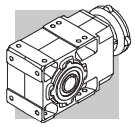


9.2 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE2	IE3		IE2	IEC IE3	
87	960	2.1	16.7	30000	**A602_16.7 S4 ME4LB4**	**A602_16.7 S5 MX5SA4**	292	**A602_16.7 P132 BE132MB4**	**A602_16.7 P160 BX160MA4**	293
88	950	1.3	16.6	12500	**A502_16.6 S4 ME4LB4**	**A502_16.6 S5 MX5SA4**	284	**A502_16.6 P132 BE132MB4**	**A502_16.6 P160 BX160MA4**	285
92	899	2.0	15.7	27000	**A552_15.7 S4 ME4LB4**	**A552_15.7 S5 MX5SA4**	288	**A552_15.7 P132 BE132MB4**	**A552_15.7 P160 BX160MA4**	289
111	752	1.5	13.1	11900	**A502_13.1 S4 ME4LB4**	**A502_13.1 S5 MX5SA4**	284	**A502_13.1 P132 BE132MB4**	**A502_13.1 P160 BX160MA4**	285
111	750	2.4	13.1	25800	**A552_13.1 S4 ME4LB4**	**A552_13.1 S5 MX5SA4**	288	**A552_13.1 P132 BE132MB4**	**A552_13.1 P160 BX160MA4**	289
114	728	2.7	12.7	30000	**A602_12.7 S4 ME4LB4**	**A602_12.7 S5 MX5SA4**	292	**A602_12.7 P132 BE132MB4**	**A602_12.7 P160 BX160MA4**	293
123	651	2.5	23.8	24100	**A553_23.8 S4 ME4LB2**	**A553_23.8 S5 ME4LB2**	288	**A553_23.8 P132 BE132MB2**	**A553_23.8 P160 BE132MB2**	289
140	594	3.0	10.4	24200	**A552_10.4 S4 ME4LB4**	**A552_10.4 S5 MX5SA4**	288	**A552_10.4 P132 BE132MB4**	**A552_10.4 P160 BX160MA4**	289
141	592	3.4	10.3	30000	**A602_10.3 S4 ME4LB4**	**A602_10.3 S5 MX5SA4**	292	**A602_10.3 P132 BE132MB4**	**A602_10.3 P160 BX160MA4**	293
143	581	0.9	10.1	7340	**A412_10.1 S4 ME4LB4**		280	**A412_10.1 P132 BE132MB4**		281
149	558	1.8	9.7	11200	**A502_9.7 S4 ME4LB4**	**A502_9.7 S5 MX5SA4**	284	**A502_9.7 P132 BE132MB4**	**A502_9.7 P160 BX160MA4**	285
158	527	1.0	9.2	7250	**A412_9.2 S4 ME4LB4**		280	**A412_9.2 P132 BE132MB4**		281
174	478	1.2	8.3	7170	**A412_8.3 S4 ME4LB4**		280	**A412_8.3 P132 BE132MB4**		281
187	444	2.1	7.7	10600	**A502_7.7 S4 ME4LB4**	**A502_7.7 S5 MX5SA4**	284	**A502_7.7 P132 BE132MB4**	**A502_7.7 P160 BX160MA4**	285
204	408	1.3	7.1	7020	**A412_7.1 S4 ME4LB4**		280	**A412_7.1 P132 BE132MB4**		281
206	403	0.9	7.0	5110	**A352_7.0 S4 ME4LB4**		276	**A352_7.0 P132 BE132MB4**		277
226	368	1.0	6.4	5070	**A352_6.4 S4 ME4LB4**		276	**A352_6.4 P132 BE132MB4**		277
268	310	1.1	5.4	4980	**A352_5.4 S4 ME4LB4**		276	**A352_5.4 P132 BE132MB4**		277
276	301	1.8	5.2	6660	**A412_5.2 S4 ME4LB4**		280	**A412_5.2 P132 BE132MB4**		281
317	260	2.0	9.2	6480	**A412_9.2 S4 ME4LB2**		280	**A412_9.2 P132 BE132MB2**		281
377	219	3.4	7.7	8780	**A502_7.7 S4 ME4LB2**		284	**A502_7.7 P132 BE132MB2**		285
539	153	2.2	5.4	4410	**A352_5.4 S4 ME4LB2**		276	**A352_5.4 P132 BE132MB2**		277
557	148	3.0	5.2	5690	**A412_5.2 S4 ME4LB2**		280	**A412_5.2 P132 BE132MB2**		281

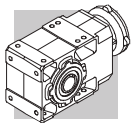
11 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE2	IE3		IE2	IEC IE3	
6.5	14510	1.0	226.4	75000	**A904_226.4 S5 ME5SA4**	**A904_226.4 S5 MX5SB4**	302	**A904_226.4 P160 BE160M4**	**A904_226.4 P160 BX160MB4**	303
7.0	13393	1.0	209.0	75000	**A904_209.0 S5 ME5SA4**	**A904_209.0 S5 MX5SB4**	302	**A904_209.0 P160 BE160M4**	**A904_209.0 P160 BX160MB4**	303
8.2	11533	1.2	180.0	75000	**A904_180.0 S5 ME5SA4**	**A904_180.0 S5 MX5SB4**	302	**A904_180.0 P160 BE160M4**	**A904_180.0 P160 BX160MB4**	303
8.8	10645	1.3	166.1	75000	**A904_166.1 S5 ME5SA4**	**A904_166.1 S5 MX5SB4**	302	**A904_166.1 P160 BE160M4**	**A904_166.1 P160 BX160MB4**	303
9.7	9894	1.4	151.0	75000	**A903_151.0 S5 ME5SA4**	**A903_151.0 S5 MX5SB4**	302	**A903_151.0 P160 BE160M4**	**A903_151.0 P160 BX160MB4**	303
10.5	9133	1.4	139.4	75000	**A903_139.4 S5 ME5SA4**	**A903_139.4 S5 MX5SB4**	302	**A903_139.4 P160 BE160M4**	**A903_139.4 P160 BX160MB4**	303
11.6	8298	1.6	126.6	75000	**A903_126.6 S5 ME5SA4**	**A903_126.6 S5 MX5SB4**	302	**A903_126.6 P160 BE160M4**	**A903_126.6 P160 BX160MB4**	303
11.7	8231	1.0	125.6	65000	**A803_125.6 S5 ME5SA4**	**A803_125.6 S5 MX5SB4**	299	**A803_125.6 P160 BE160M4**	**A803_125.6 P160 BX160MB4**	300
12.6	7660	1.8	116.9	75000	**A903_116.9 S5 ME5SA4**	**A903_116.9 S5 MX5SB4**	302	**A903_116.9 P160 BE160M4**	**A903_116.9 P160 BX160MB4**	303
12.7	7597	1.1	116.0	65000	**A803_116.0 S5 ME5SA4**	**A803_116.0 S5 MX5SB4**	299	**A803_116.0 P160 BE160M4**	**A803_116.0 P160 BX160MB4**	300
13.8	6999	2.0	106.8	75000	**A903_106.8 S5 ME5SA4**	**A903_106.8 S5 MX5SB4**	302	**A903_106.8 P160 BE160M4**	**A903_106.8 P160 BX160MB4**	303
14.1	6816	1.2	104.0	65000	**A803_104.0 S5 ME5SA4**	**A803_104.0 S5 MX5SB4**	299	**A803_104.0 P160 BE160M4**	**A803_104.0 P160 BX160MB4**	300
14.9	6460	2.2	98.6	75000	**A903_98.6 S5 ME5SA4**	**A903_98.6 S5 MX5SB4**	302	**A903_98.6 P160 BE160M4**	**A903_98.6 P160 BX160MB4**	303
15.3	6292	1.3	96.0	65000	**A803_96.0 S5 ME5SA4**	**A803_96.0 S5 MX5SB4**	299	**A803_96.0 P160 BE160M4**	**A803_96.0 P160 BX160MB4**	300
16.5	5843	1.4	89.2	65000	**A803_89.2 S5 ME5SA4**	**A803_89.2 S5 MX5SB4**	299	**A803_89.2 P160 BE160M4**	**A803_89.2 P160 BX160MB4**	300
16.9	5705	2.5	87.1	75000	**A903_87.1 S5 ME5SA4**	**A903_87.1 S5 MX5SB4**	302	**A903_87.1 P160 BE160M4**	**A903_87.1 P160 BX160MB4**	303
17.9	5394	1.5	82.3	64500	**A803_82.3 S5 ME5SA4**	**A803_82.3 S5 MX5SB4**	299	**A803_82.3 P160 BE160M4**	**A803_82.3 P160 BX160MB4**	300
18.3	5266	2.7	80.4	75000	**A903_80.4 S5 ME5SA4**	**A903_80.4 S5 MX5SB4**	302	**A903_80.4 P160 BE160M4**	**A903_80.4 P160 BX160MB4**	303
18.5	5198	1.0	79.3	50000	**A703_79.3 S5 ME5SA4**	**A703_79.3 S5 MX5SB4**	296	**A703_79.3 P160 BE160M4**	**A703_79.3 P160 BX160MB4**	297
19.7	4880	2.9	74.5	75000	**A903_74.5 S5 ME5SA4**	**A903_74.5 S5 MX5SB4**	302	**A903_74.5 P160 BE160M4**	**A903_74.5 P160 BX160MB4**	303
20.3	4752	1.1	72.5	50000	**A703_72.5 S5 ME5SA4**	**A703_72.5 S5 MX5SB4**	296	**A703_72.5 P160 BE160M4**	**A703_72.5 P160 BX160MB4**	297
20.3	4742	1.7	72.4	63200	**A803_72.4 S5 ME5SA4**	**A803_72.4 S5 MX5SB4**	299	**A803_72.4 P160 BE160M4**	**A803_72.4 P160 BX160MB4**	300
21.4	4505	3.1	68.8	75000	**A903_68.8 S5 ME5SA4**	**A903_68.8 S5 MX5SB4**	302	**A903_68.8 P160 BE160M4**	**A903_68.8 P160 BX160MB4**	303
22.0	4386	1.1	66.9	50000	**A703_66.9 S5 ME5SA4**	**A703_66.9 S5 MX5SB4**	296	**A703_66.9 P160 BE160M4**	**A703_66.9 P160 BX160MB4**	297



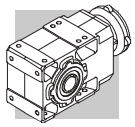
11 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE2	IE3		IEC IE2	IEC IE3	
22.0	4377	1.8	66.8	62200	**A803_66.8 S5 ME5SA4**	**A803_66.8 S5 MX5SB4**	299	**A803_66.8 P160 BE160M4**	**A803_66.8 P160 BX160MB4**	300
24.6	3917	2.0	59.8	60900	**A803_59.8 S5 ME5SA4**	**A803_59.8 S5 MX5SB4**	299	**A803_59.8 P160 BE160M4**	**A803_59.8 P160 BX160MB4**	300
24.7	3906	3.6	59.6	75000	**A903_59.6 S5 ME5SA4**	**A903_59.6 S5 MX5SB4**	302	**A903_59.6 P160 BE160M4**	**A903_59.6 P160 BX160MB4**	303
25.5	3778	1.3	57.7	50000	**A703_57.7 S5 ME5SA4**	**A703_57.7 S5 MX5SB4**	296	**A703_57.7 P160 BE160M4**	**A703_57.7 P160 BX160MB4**	297
26.6	3615	2.2	55.2	59900	**A803_55.2 S5 ME5SA4**	**A803_55.2 S5 MX5SB4**	299	**A803_55.2 P160 BE160M4**	**A803_55.2 P160 BX160MB4**	300
27.6	3488	1.4	53.2	50000	**A703_53.2 S5 ME5SA4**	**A703_53.2 S5 MX5SB4**	296	**A703_53.2 P160 BE160M4**	**A703_53.2 P160 BX160MB4**	297
30	3210	1.6	49.0	50000	**A703_49.0 S5 ME5SA4**	**A703_49.0 S5 MX5SB4**	296	**A703_49.0 P160 BE160M4**	**A703_49.0 P160 BX160MB4**	297
31	3157	2.5	48.2	58300	**A803_48.2 S5 ME5SA4**	**A803_48.2 S5 MX5SB4**	299	**A803_48.2 P160 BE160M4**	**A803_48.2 P160 BX160MB4**	300
33	2964	1.6	45.2	50000	**A703_45.2 S5 ME5SA4**	**A703_45.2 S5 MX5SB4**	296	**A703_45.2 P160 BE160M4**	**A703_45.2 P160 BX160MB4**	297
33	2961	0.9	45.2	30000	**A603_45.2 S5 ME5SA4**	**A603_45.2 S5 MX5SB4**	292	**A603_45.2 P160 BE160M4**	**A603_45.2 P160 BX160MB4**	293
33	2914	2.6	44.5	57300	**A803_44.5 S5 ME5SA4**	**A803_44.5 S5 MX5SB4**	299	**A803_44.5 P160 BE160M4**	**A803_44.5 P160 BX160MB4**	300
35	2733	1.0	41.7	30000	**A603_41.7 S5 ME5SA4**	**A603_41.7 S5 MX5SB4**	292	**A603_41.7 P160 BE160M4**	**A603_41.7 P160 BX160MB4**	293
38	2523	3.0	38.5	55500				**A803_38.5 P160 BE160M4**	**A803_38.5 P160 BX160MB4**	300
38	2515	1.9	38.4	50000	**A703_38.4 S5 ME5SA4**	**A703_38.4 S5 MX5SB4**	296	**A703_38.4 P160 BE160M4**	**A703_38.4 P160 BX160MB4**	297
41	2328	3.0	35.5	54500				**A803_35.5 P160 BE160M4**	**A803_35.5 P160 BX160MB4**	300
41	2321	1.9	35.4	50000	**A703_35.4 S5 ME5SA4**	**A703_35.4 S5 MX5SB4**	296	**A703_35.4 P160 BE160M4**	**A703_35.4 P160 BX160MB4**	297
43	2247	1.2	34.3	30000	**A603_34.3 S5 ME5SA4**	**A603_34.3 S5 MX5SB4**	292	**A603_34.3 P160 BE160M4**	**A603_34.3 P160 BX160MB4**	293
46	2074	1.3	31.7	30000	**A603_31.7 S5 ME5SA4**	**A603_31.7 S5 MX5SB4**	292	**A603_31.7 P160 BE160M4**	**A603_31.7 P160 BX160MB4**	293
48	2003	3.2	30.6	52600				**A803_30.6 P160 BE160M4**	**A803_30.6 P160 BX160MB4**	300
49	1972	2.3	30.1	49400				**A703_30.1 P160 BE160M4**	**A703_30.1 P160 BX160MB4**	297
49	1961	1.0	29.9	28200	**A553_29.9 S5 ME5SA4**	**A553_29.9 S5 MX5SB4**	288	**A553_29.9 P160 BE160M4**	**A553_29.9 P160 BX160MB4**	289
52	1849	3.6	28.2	51600			5	**A803_28.2 P160 BE160M4**	**A803_28.2 P160 BX160MB4**	300
53	1825	1.5	27.9	30000	**A603_27.9 S5 ME5SA4**	**A603_27.9 S5 MX5SB4**	292	**A603_27.9 P160 BE160M4**	**A603_27.9 P160 BX160MB4**	293
53	1820	2.3	27.8	48500				**A703_27.8 P160 BE160M4**	**A703_27.8 P160 BX160MB4**	297
57	1685	1.7	25.7	30000	**A603_25.7 S5 ME5SA4**	**A603_25.7 S5 MX5SB4**	292	**A603_25.7 P160 BE160M4**	**A603_25.7 P160 BX160MB4**	293
61	1576	1.0	24.0	7800	**A503_24.0 S5 ME5SA4**	**A503_24.0 S5 MX5SB4**	284	**A503_24.0 P160 BE160M4**	**A503_24.0 P160 BX160MB4**	285
62	1559	1.3	23.8	26000	**A553_23.8 S5 ME5SA4**	**A553_23.8 S5 MX5SB4**	288	**A553_23.8 P160 BE160M4**	**A553_23.8 P160 BX160MB4**	289
63	1541	2.8	23.5	46600				**A703_23.5 P160 BE160M4**	**A703_23.5 P160 BX160MB4**	297
69	1396	2.9	21.3	45500	**A703_21.3 S5 ME5SA4**	**A703_21.3 S5 MX5SB4**	296	**A703_21.3 P160 BE160M4**	**A703_21.3 P160 BX160MB4**	297
70	1416	0.8	20.9		**A502_20.9 S5 ME5SA4**	**A502_20.9 S5 MX5SB4**	284	**A502_20.9 P160 BE160M4**	**A502_20.9 P160 BX160MB4**	285
71	1394	1.4	20.6	30000	**A602_20.6 S5 ME5SA4**	**A602_20.6 S5 MX5SB4**	292	**A602_20.6 P160 BE160M4**	**A602_20.6 P160 BX160MB4**	293
75	1288	2.9	19.7	44500	**A703_19.7 S5 ME5SA4**	**A703_19.7 S5 MX5SB4**	296	**A703_19.7 P160 BE160M4**	**A703_19.7 P160 BX160MB4**	297
76	1302	1.4	19.2	27900	**A552_19.2 S5 ME5SA4**	**A552_19.2 S5 MX5SB4**	288	**A552_19.2 P160 BE160M4**	**A552_19.2 P160 BX160MB4**	289
88	1133	1.8	16.7	30000	**A602_16.7 S5 ME5SA4**	**A602_16.7 S5 MX5SB4**	292	**A602_16.7 P160 BE160M4**	**A602_16.7 P160 BX160MB4**	293
89	1121	1.1	16.6	12000	**A502_16.6 S5 ME5SA4**	**A502_16.6 S5 MX5SB4**	284	**A502_16.6 P160 BE160M4**	**A502_16.6 P160 BX160MB4**	285
94	1061	1.7	15.7	26600	**A552_15.7 S5 ME5SA4**	**A552_15.7 S5 MX5SB4**	288	**A552_15.7 P160 BE160M4**	**A552_15.7 P160 BX160MB4**	289
112	887	1.2	13.1	11500	**A502_13.1 S5 ME5SA4**	**A502_13.1 S5 MX5SB4**	284	**A502_13.1 P160 BE160M4**	**A502_13.1 P160 BX160MB4**	285
112	885	2.0	13.1	25400	**A552_13.1 S5 ME5SA4**	**A552_13.1 S5 MX5SB4**	288	**A552_13.1 P160 BE160M4**	**A552_13.1 P160 BX160MB4**	289
116	860	2.3	12.7	30000	**A602_12.7 S5 ME5SA4**	**A602_12.7 S5 MX5SB4**	292	**A602_12.7 P160 BE160M4**	**A602_12.7 P160 BX160MB4**	293
124	773	2.1	23.8	23600	**A553_23.8 S5 ME5SA2**		288	**A553_23.8 P160 BE160MA2**		289
142	701	2.6	10.4	24000	**A552_10.4 S5 ME5SA4**	**A552_10.4 S5 MX5SB4**	288	**A552_10.4 P160 BE160M4**	**A552_10.4 P160 BX160MB4**	289
143	698	2.9	10.3	30000	**A602_10.3 S5 ME5SA4**	**A602_10.3 S5 MX5SB4**	292	**A602_10.3 P160 BE160M4**	**A602_10.3 P160 BX160MB4**	293
151	659	1.5	9.7	10800	**A502_9.7 S5 ME5SA4**	**A502_9.7 S5 MX5SB4**	284	**A502_9.7 P160 BE160M4**	**A502_9.7 P160 BX160MB4**	285
174	573	3.1	8.5	22800	**A552_8.5 S5 ME5SA4**	**A552_8.5 S5 MX5SB4**	288	**A552_8.5 P160 BE160M4**	**A552_8.5 P160 BX160MB4**	289
190	524	1.8	7.7	10300	**A502_7.7 S5 ME5SA4**	**A502_7.7 S5 MX5SB4,**	284	**A502_7.7 P160 BE160M4**	**A502_7.7 P160 BX160MB4**	285
224	440	2.0	13.1	9920	**A502_13.1 S5 ME5SA2**		284	**A502_13.1 P160 BE160MA2**		285
380	260	2.8	7.7	8650	**A502_7.7 S5 ME5SA2**		284	**A502_7.7 P160 BE160MA2**		285



15 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE2	IE3		IE2	IEC IE3	
8.2	15697	0.9	180.0	75000	**A904_180.0 S5 ME5LA4**	**A904_180.0 S5 MX5LA4**	302	**A904_180.0 P160 BE160L4**	**A904_180.0 P160 BX160L4**	303
8.8	14490	1.0	166.1	75000	**A904_166.1 S5 ME5LA4**	**A904_166.1 S5 MX5LA4**	302	**A904_166.1 P160 BE160L4**	**A904_166.1 P160 BX160L4**	303
9.7	13467	1.0	151.0	75000	**A903_151.0 S5 ME5LA4**	**A903_151.0 S5 MX5LA4**	302	**A903_151.0 P160 BE160L4**	**A903_151.0 P160 BX160L4**	303
10.5	12431	1.0	139.4	75000	**A903_139.4 S5 ME5LA4**	**A903_139.4 S5 MX5LA4**	302	**A903_139.4 P160 BE160L4**	**A903_139.4 P160 BX160L4**	303
11.6	11294	1.2	126.6	75000	**A903_126.6 S5 ME5LA4**	**A903_126.6 S5 MX5LA4**	302	**A903_126.6 P160 BE160L4**	**A903_126.6 P160 BX160L4**	303
12.6	10426	1.3	116.9	75000	**A903_116.9 S5 ME5LA4**	**A903_116.9 S5 MX5LA4**	302	**A903_116.9 P160 BE160L4**	**A903_116.9 P160 BX160L4**	303
13.8	9526	1.5	106.8	75000	**A903_106.8 S5 ME5LA4**	**A903_106.8 S5 MX5LA4**	302	**A903_106.8 P160 BE160L4**	**A903_106.8 P160 BX160L4**	303
14.9	8793	1.6	98.6	75000	**A903_98.6 S5 ME5LA4**	**A903_98.6 S5 MX5LA4**	302	**A903_98.6 P160 BE160L4**	**A903_98.6 P160 BX160L4**	303
15.3	8564	0.9	96.0	60600	**A803_96.0 S5 ME5LA4**	**A803_96.0 S5 MX5LA4**	299	**A803_96.0 P160 BE160L4**	**A803_96.0 P160 BX160L4**	300
16.5	7953	1.0	89.2	60400	**A803_89.2 S5 ME5LA4**	**A803_89.2 S5 MX5LA4**	299	**A803_89.2 P160 BE160L4**	**A803_89.2 P160 BX160L4**	300
16.9	7765	1.8	87.1	75000	**A903_87.1 S5 ME5LA4**	**A903_87.1 S5 MX5LA4**	302	**A903_87.1 P160 BE160L4**	**A903_87.1 P160 BX160L4**	303
17.9	7341	1.1	82.3	59800	**A803_82.3 S5 ME5LA4**	**A803_82.3 S5 MX5LA4**	299	**A803_82.3 P160 BE160L4**	**A803_82.3 P160 BX160L4**	300
18.3	7168	2.0	80.4	75000	**A903_80.4 S5 ME5LA4**	**A903_80.4 S5 MX5LA4**	302	**A903_80.4 P160 BE160L4**	**A903_80.4 P160 BX160L4**	303
19.7	6642	2.1	74.5	75000	**A903_74.5 S5 ME5LA4**	**A903_74.5 S5 MX5LA4**	302	**A903_74.5 P160 BE160L4**	**A903_74.5 P160 BX160L4**	303
20.3	6454	1.2	72.4	59100	**A803_72.4 S5 ME5LA4**	**A803_72.4 S5 MX5LA4**	299	**A803_72.4 P160 BE160L4**	**A803_72.4 P160 BX160L4**	300
21.4	6131	2.3	68.8	75000	**A903_68.8 S5 ME5LA4**	**A903_68.8 S5 MX5LA4**	302	**A903_68.8 P160 BE160L4**	**A903_68.8 P160 BX160L4**	303
22.0	5957	1.3	66.8	58300	**A803_66.8 S5 ME5LA4**	**A803_66.8 S5 MX5LA4**	299	**A803_66.8 P160 BE160L4**	**A803_66.8 P160 BX160L4**	300
24.6	5331	1.5	59.8	57500	**A803_59.8 S5 ME5LA4**	**A803_59.8 S5 MX5LA4**	299	**A803_59.8 P160 BE160L4**	**A803_59.8 P160 BX160L4**	300
24.7	5317	2.6	59.6	75000	**A903_59.6 S5 ME5LA4**	**A903_59.6 S5 MX5LA4**	302	**A903_59.6 P160 BE160L4**	**A903_59.6 P160 BX160L4**	303
25.5	5143	1.0	57.7	50000	**A703_57.7 S5 ME5LA4**	**A703_57.7 S5 MX5LA4**	296	**A703_57.7 P160 BE160L4**	**A703_57.7 P160 BX160L4**	297
26.6	4921	1.6	55.2	56700	**A803_55.2 S5 ME5LA4**	**A803_55.2 S5 MX5LA4**	299	**A803_55.2 P160 BE160L4**	**A803_55.2 P160 BX160L4**	300
26.7	4908	2.9	55.0	75000	**A903_55.0 S5 ME5LA4**	**A903_55.0 S5 MX5LA4**	302	**A903_55.0 P160 BE160L4**	**A903_55.0 P160 BX160L4**	303
27.6	4747	1.1	53.2	50000	**A703_53.2 S5 ME5LA4**	**A703_53.2 S5 MX5LA4**	296	**A703_53.2 P160 BE160L4**	**A703_53.2 P160 BX160L4**	297
30	4370	1.1	49.0	50000	**A703_49.0 S5 ME5LA4**	**A703_49.0 S5 MX5LA4**	296	**A703_49.0 P160 BE160L4**	**A703_49.0 P160 BX160L4**	297
30	4307	3.3	48.3	74900				**A903_48.3 P160 BE160L4**	**A903_48.3 P160 BX160L4**	303
31	4297	1.9	48.2	55500	**A803_48.2 S5 ME5LA4**	**A803_48.2 S5 MX5LA4**	299	**A803_48.2 P160 BE160L4**	**A803_48.2 P160 BX160L4**	300
33	4034	1.2	45.2	50000	**A703_45.2 S5 ME5LA4**	**A703_45.2 S5 MX5LA4**	296	**A703_45.2 P160 BE160L4**	**A703_45.2 P160 BX160L4**	297
33	3976	3.5	44.6	73500				**A903_44.6 P160 BE160L4**	**A903_44.6 P160 BX160L4**	303
33	3966	1.9	44.5	54700	**A803_44.5 S5 ME5LA4**	**A803_44.5 S5 MX5LA4**	299	**A803_44.5 P160 BE160L4**	**A803_44.5 P160 BX160L4**	300
38	3433	2.2	38.5	53200				**A803_38.5 P160 BE160L4**	**A803_38.5 P160 BX160L4**	300
38	3423	1.4	38.4	49900	**A703_38.4 S5 ME5LA4**	**A703_38.4 S5 MX5LA4**	296	**A703_38.4 P160 BE160L4**	**A703_38.4 P160 BX160L4**	297
41	3169	2.2	35.5	52300				**A803_35.5 P160 BE160L4**	**A803_35.5 P160 BX160L4**	300
41	3160	1.4	35.4	49100	**A703_35.4 S5 ME5LA4**	**A703_35.4 S5 MX5LA4**	296	**A703_35.4 P160 BE160L4**	**A703_35.4 P160 BX160L4**	297
43	3059	0.9	34.3	30000	**A603_34.3 S5 ME5LA4**	**A603_34.3 S5 MX5LA4**	292	**A603_34.3 P160 BE160L4**	**A603_34.3 P160 BX160L4**	293
46	2824	1.0	31.7	30000	**A603_31.7 S5 ME5LA4**	**A603_31.7 S5 MX5LA4**	292	**A603_31.7 P160 BE160L4**	**A603_31.7 P160 BX160L4**	293
48	2727	2.4	30.6	50800				**A803_30.6 P160 BE160L4**	**A803_30.6 P160 BX160L4**	300
49	2684	1.7	30.1	47600				**A703_30.1 P160 BE160L4**	**A703_30.1 P160 BX160L4**	297
52	2517	2.6	28.2	49900				**A803_28.2 P160 BE160L4**	**A803_28.2 P160 BX160L4**	300
53	2484	1.1	27.9	30000	**A603_27.9 S5 ME5LA4**	**A603_27.9 S5 MX5LA4**	292	**A603_27.9 P160 BE160L4**	**A603_27.9 P160 BX160L4**	293
53	2478	1.7	27.8	46700				**A703_27.8 P160 BE160L4**	**A703_27.8 P160 BX160L4**	297
57	2293	1.2	25.7	30000	**A603_25.7 S5 ME5LA4**	**A603_25.7 S5 MX5LA4**	292	**A603_25.7 P160 BE160L4**	**A603_25.7 P160 BX160L4**	293
62	2122	0.9	23.8	22600	**A553_23.8 S5 ME5LA4**	**A553_23.8 S5 MX5LA4**	288	**A553_23.8 P160 BE160L4**	**A553_23.8 P160 BX160L4**	289
63	2098	2.1	23.5	45100				**A703_23.5 P160 BE160L4**	**A703_23.5 P160 BX160L4**	297
69	1900	2.1	21.3	44100	**A703_21.3 S5 ME5LA4**	**A703_21.3 S5 MX5LA4**	296	**A703_21.3 P160 BE160L4**	**A703_21.3 P160 BX160L4**	297
70	1868	3.5	20.9	46600	**A803_20.9 S5 ME5LA4**	**A803_20.9 S5 MX5LA4**	299	**A803_20.9 P160 BE160L4**	**A803_20.9 P160 BX160L4**	300
71	1897	1.1	20.6	30000	**A602_20.6 S5 ME5LA4**	**A602_20.6 S5 MX5LA4**	292	**A602_20.6 P160 BE160L4**	**A602_20.6 P160 BX160L4**	293
75	1754	2.1	19.7	43300	**A703_19.7 S5 ME5LA4**	**A703_19.7 S5 MX5LA4**	296	**A703_19.7 P160 BE160L4**	**A703_19.7 P160 BX160L4**	297
76	1725	3.5	19.3	45700	**A803_19.3 S5 ME5LA4**	**A803_19.3 S5 MX5LA4**	299	**A803_19.3 P160 BE160L4**	**A803_19.3 P160 BX160L4**	300
76	1772	1.0	19.2	26800	**A552_19.2 S5 ME5LA4**	**A552_19.2 S5 MX5LA4**	288	**A552_19.2 P160 BE160L4**	**A552_19.2 P160 BX160L4**	289
88	1542	1.3	16.7	30000	**A602_16.7 S5 ME5LA4**	**A602_16.7 S5 MX5LA4**	292	**A602_16.7 P160 BE160L4**	**A602_16.7 P160 BX160L4**	293
88	1488	2.7	16.7	41600	**A703_16.7 S5 ME5LA4**	**A703_16.7 S5 MX5LA4**	296	**A703_16.7 P160 BE160L4**	**A703_16.7 P160 BX160L4**	297
94	1444	1.2	15.7	25700	**A552_15.7 S5 ME5LA4**	**A552_15.7 S5 MX5LA4**	288	**A552_15.7 P160 BE160L4**	**A552_15.7 P160 BX160L4**	289
95	1374	2.7	15.4	40800	**A703_15.4 S5 ME5LA4**	**A703_15.4 S5 MX5LA4**	296	**A703_15.4 P160 BE160L4**	**A703_15.4 P160 BX160L4**	297
112	1207	0.9	13.1	10500	**A502_13.1 S5 ME5LA4**	**A502_13.1 S5 MX5LA4**	284	**A502_13.1 P160 BE160L4**	**A502_13.1 P160 BX160L4**	285
112	1167	3.3	13.1	39200				**A703_13.1 P160 BE160L4**	**A703_13.1 P160 BX160L4**	297
112	1205	1.5	13.1	24700	**A552_13.1 S5 ME5LA4**	**A552_13.1 S5 MX5LA4**	288	**A552_13.1 P160 BE160L4**	**A552_13.1 P160 BX160L4**	289
116	1170	1.7	12.7	30000	**A602_12.7 S5 ME5LA4**	**A602_12.7 S5 MX5LA4**	292	**A602_12.7 P160 BE160L4**	**A602_12.7 P160 BX160L4**	293
122	1077	3.3	12.1	38400				**A703_12.1 P160 BE160L4**	**A703_12.1 P160 BX160L4**	297
142	954	1.9	10.4	23400	**A552_10.4 S5 ME5LA4**	**A552_10.4 S5 MX5LA4**	288	**A552_10.4 P160 BE160L4**	**A552_10.4 P160 BX160L4**	289
143	950	2.1	10.3	30000	**A602_10.3 S5 ME5LA4**	**A602_10.3 S5 MX5LA4**	292	**A602_10.3 P160 BE160L4**	**A602_10.3 P160 BX160L4**	293
151	897	1.1	9.7	10100	**A502_9.7 S5 ME5LA4**	**A502_9.7 S5 MX5LA4**	284	**A502_9.7 P160 BE160L4**	**A502_9.7 P160 BX160L4**	285
174	779	2.3	8.5	22200	**A552_8.5 S5 ME5LA4**	**A552_8.5 S5 MX5LA4**	288	**A552_8.5 P160 BE160L4**	**A552_8.5 P160 BX160L4**	289
187	724	2.8	7.9	28300	**A602_7.9 S5 ME5LA4**	**A602_7.9 S5 MX5LA4**	292	**A602_7.9 P160 BE160L4**	**A602_7.9 P160 BX160L4**	293

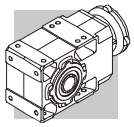


15 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE2	IE3		IE2	IEC IE3	
190	713	1.3	7.7	9750	**A502_7.7 S5 ME5LA4**	**A502_7.7 S5 MX5LA4**	284	**A502_7.7 P160 BE160L4**	**A502_7.7 P160 BX160L4**	285
229	591	2.9	6.4	20700	**A552_6.4 S5 ME5LA4**	**A552_6.4 S5 MX5LA4**	288	**A552_6.4 P160 BE160L4**	**A552_6.4 P160 BX160L4**	289
297	456	3.5	4.9	19400	**A552_4.9 S5 ME5LA4**	**A552_4.9 S5 MX5LA4**	288	**A552_4.9 P160 BE160L4**	**A552_4.9 P160 BX160L4**	289
302	446	1.8	9.7	8830	**A502_9.7 S5 ME5SB2**		284	**A502_9.7 P160 BE160MB2**		285
380	354	2.1	7.7	8350	**A502_7.7 S5 ME5SB2**		284	**A502_7.7 P160 BE160MB2**		285

18.5 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE2	IE3		IE2	IEC IE3	
11.6	13830	1.0	126.6	75000				**A903_126.6 P180 BE180M4**	**A903_126.6 P180 BX180M4**	303
12.6	12766	1.1	116.9	75000				**A903_116.9 P180 BE180M4**	**A903_116.9 P180 BX180M4**	303
13.8	11665	1.2	106.8	75000				**A903_106.8 P180 BE180M4**	**A903_106.8 P180 BX180M4**	303
14.9	10767	1.3	98.6	75000				**A903_98.6 P180 BE180M4**	**A903_98.6 P180 BX180M4**	303
16.9	9508	1.5	87.1	75000				**A903_87.1 P180 BE180M4**	**A903_87.1 P180 BX180M4**	303
18.3	8777	1.6	80.4	75000				**A903_80.4 P180 BE180M4**	**A903_80.4 P180 BX180M4**	303
19.7	8133	1.7	74.5	75000				**A903_74.5 P180 BE180M4**	**A903_74.5 P180 BX180M4**	303
20.3	7903	1.0	72.4	55600				**A803_72.4 P180 BE180M4**	**A803_72.4 P180 BX180M4**	300
21.4	7508	1.9	68.8	75000				**A903_68.8 P180 BE180M4**	**A903_68.8 P180 BX180M4**	303
22.0	7295	1.1	66.8	55100				**A803_66.8 P180 BE180M4**	**A803_66.8 P180 BX180M4**	300
24.6	6528	1.2	59.8	54700				**A803_59.8 P180 BE180M4**	**A803_59.8 P180 BX180M4**	300
24.7	6510	2.2	59.6	75000				**A903_59.6 P180 BE180M4**	**A903_59.6 P180 BX180M4**	303
26.6	6026	1.3	55.2	54100				**A803_55.2 P180 BE180M4**	**A803_55.2 P180 BX180M4**	300
26.7	6009	2.3	55.0	74900				**A903_55.0 P180 BE180M4**	**A903_55.0 P180 BX180M4**	303
30	5351	0.9	49.0	49600				**A703_49.0 P180 BE180M4**	**A703_49.0 P180 BX180M4**	297
30	5274	2.7	48.3	73100				**A903_48.3 P180 BE180M4**	**A903_48.3 P180 BX180M4**	303
31	5262	1.5	48.2	53200				**A803_48.2 P180 BE180M4**	**A803_48.2 P180 BX180M4**	300
33	4939	1.0	45.2	49000				**A703_45.2 P180 BE180M4**	**A703_45.2 P180 BX180M4**	297
33	4869	2.9	44.6	71800				**A903_44.6 P180 BE180M4**	**A903_44.6 P180 BX180M4**	303
33	4857	1.5	44.5	52500				**A803_44.5 P180 BE180M4**	**A803_44.5 P180 BX180M4**	300
38	4238	3.3	38.8	69700				**A903_38.8 P180 BE180M4**	**A903_38.8 P180 BX180M4**	303
38	4204	1.8	38.5	51400				**A803_38.5 P180 BE180M4**	**A803_38.5 P180 BX180M4**	300
38	4191	1.2	38.4	48000				**A703_38.4 P180 BE180M4**	**A703_38.4 P180 BX180M4**	297
41	3912	3.5	35.8	68500				**A903_35.8 P180 BE180M4**	**A903_35.8 P180 BX180M4**	303
41	3881	1.8	35.5	50600				**A803_35.5 P180 BE180M4**	**A803_35.5 P180 BX180M4**	300
41	3869	1.2	35.4	47300				**A703_35.4 P180 BE180M4**	**A703_35.4 P180 BX180M4**	297
48	3339	1.9	30.6	49300				**A803_30.6 P180 BE180M4**	**A803_30.6 P180 BX180M4**	300
49	3287	1.4	30.1	46100				**A703_30.1 P180 BE180M4**	**A703_30.1 P180 BX180M4**	297
52	3082	2.1	28.2	48500				**A803_28.2 P180 BE180M4**	**A803_28.2 P180 BX180M4**	300
53	3042	0.9	27.9	30000				**A603_27.9 P180 BE180M4**	**A603_27.9 P180 BX180M4**	293
53	3034	1.4	27.8	45300				**A703_27.8 P180 BE180M4**	**A703_27.8 P180 BX180M4**	297
57	2808	1.0	25.7	30000				**A603_25.7 P180 BE180M4**	**A603_25.7 P180 BX180M4**	293
60	2675	2.5	24.5	47200				**A803_24.5 P180 BE180M4**	**A803_24.5 P180 BX180M4**	300
63	2568	1.7	23.5	43900				**A703_23.5 P180 BE180M4**	**A703_23.5 P180 BX180M4**	297
65	2470	2.5	22.6	46300				**A803_22.6 P180 BE180M4**	**A803_22.6 P180 BX180M4**	300
69	2326	1.7	21.3	43000				**A703_21.3 P180 BE180M4**	**A703_21.3 P180 BX180M4**	297
70	2288	2.9	20.9	45600				**A803_20.9 P180 BE180M4**	**A803_20.9 P180 BX180M4**	300
71	2323	0.9	20.6	30000				**A602_20.6 P180 BE180M4**	**A602_20.6 P180 BX180M4**	293
75	2147	1.7	19.7	42300				**A703_19.7 P180 BE180M4**	**A703_19.7 P180 BX180M4**	297
76	2112	2.9	19.3	44800				**A803_19.3 P180 BE180M4**	**A803_19.3 P180 BX180M4**	300
88	1888	1.1	16.7	30000				**A602_16.7 P180 BE180M4**	**A602_16.7 P180 BX180M4**	293
88	1822	2.2	16.7	40800				**A703_16.7 P180 BE180M4**	**A703_16.7 P180 BX180M4**	297
94	1769	1.0	15.7	25000				**A552_15.7 P180 BE180M4**	**A552_15.7 P180 BX180M4**	289
95	1682	2.2	15.4	40100				**A703_15.4 P180 BE180M4**	**A703_15.4 P180 BX180M4**	297

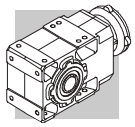


18.5 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE2	IE3		IEC IE2	IEC IE3	
112	1429	2.7	13.1	38600				**A703_13.1 P180 BE180M4**	**A703_13.1 P180 BX180M4**	297
112	1475	1.2	13.1	24100				**A552_13.1 P180 BE180M4**	**A552_13.1 P180 BX180M4**	289
116	1433	1.4	12.7	30000				**A602_12.7 P180 BE180M4**	**A602_12.7 P180 BX180M4**	293
122	1319	2.7	12.1	37800				**A703_12.1 P180 BE180M4**	**A703_12.1 P180 BX180M4**	297
124	1299	1.2	23.8	21600	**A553_23.8 S5 ME5LA2**		288	**A553_23.8 P160 BE160L2**		289
142	1168	1.5	10.4	22900				**A552_10.4 P180 BE180M4**	**A552_10.4 P180 BX180M4**	289
143	1164	1.7	10.3	29900				**A602_10.3 P180 BE180M4**	**A602_10.3 P180 BX180M4**	293
144	1117	2.9	10.2	36300				**A703_10.2 P180 BE180M4**	**A703_10.2 P180 BX180M4**	297
151	1098	0.9	9.7	9530				**A502_9.7 P180 BE180M4**	**A502_9.7 P180 BX180M4**	285
156	1031	2.9	9.4	35600				**A703_9.4 P180 BE180M4**	**A703_9.4 P180 BX180M4**	297
174	954	1.9	8.5	21900				**A552_8.5 P180 BE180M4**	**A552_8.5 P180 BX180M4**	289
187	887	2.3	7.9	27900				**A602_7.9 P180 BE180M4**	**A602_7.9 P180 BX180M4**	293
190	873	1.1	7.7	9260				**A502_7.7 P180 BE180M4**	**A502_7.7 P180 BX180M4**	285
229	723	2.4	6.4	20400				**A552_6.4 P180 BE180M4**	**A552_6.4 P180 BX180M4**	289
297	558	2.9	4.9	19100				**A552_4.9 P180 BE180M4**	**A552_4.9 P180 BX180M4**	289
381	436	1.7	7.7	8100	**A502_7.7 S5 ME5LA2**		284	**A502_7.7 P160 BE160L2**		285

22 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE2	IE3		IEC IE2	IEC IE3	
12.6	15213	0.9	116.9	75000				**A903_116.9 P180 BE180L4**	**A903_116.9 P180 BX180L4**	303
13.8	13900	1.0	106.8	75000				**A903_106.8 P180 BE180L4**	**A903_106.8 P180 BX180L4**	303
14.9	12831	1.1	98.6	75000				**A903_98.6 P180 BE180L4**	**A903_98.6 P180 BX180L4**	303
16.9	11330	1.2	87.1	75000				**A903_87.1 P180 BE180L4**	**A903_87.1 P180 BX180L4**	303
18.3	10459	1.3	80.4	75000				**A903_80.4 P180 BE180L4**	**A903_80.4 P180 BX180L4**	303
19.7	9692	1.4	74.5	75000				**A903_74.5 P180 BE180L4**	**A903_74.5 P180 BX180L4**	303
21.4	8947	1.6	68.8	75000				**A903_68.8 P180 BE180L4**	**A903_68.8 P180 BX180L4**	303
22.0	8693	0.9	66.8	51900				**A803_66.8 P180 BE180L4**	**A803_66.8 P180 BX180L4**	300
24.6	7779	1.0	59.8	51800				**A803_59.8 P180 BE180L4**	**A803_59.8 P180 BX180L4**	300
24.7	7758	1.8	59.6	73800				**A903_59.6 P180 BE180L4**	**A903_59.6 P180 BX180L4**	303
26.6	7181	1.1	55.2	51400				**A803_55.2 P180 BE180L4**	**A803_55.2 P180 BX180L4**	300
26.7	7161	2.0	55.0	72700				**A903_55.0 P180 BE180L4**	**A903_55.0 P180 BX180L4**	303
30	6285	2.2	48.3	71100				**A903_48.3 P180 BE180L4**	**A903_48.3 P180 BX180L4**	303
31	6270	1.3	48.2	50900				**A803_48.2 P180 BE180L4**	**A803_48.2 P180 BX180L4**	300
33	5802	2.4	44.6	70000				**A903_44.6 P180 BE180L4**	**A903_44.6 P180 BX180L4**	303
33	5788	1.3	44.5	50300				**A803_44.5 P180 BE180L4**	**A803_44.5 P180 BX180L4**	300
38	5050	2.8	38.8	68100				**A903_38.8 P180 BE180L4**	**A903_38.8 P180 BX180L4**	303
38	5010	1.5	38.5	49500				**A803_38.5 P180 BE180L4**	**A803_38.5 P180 BX180L4**	300
38	4995	1.0	38.4	46000				**A703_38.4 P180 BE180L4**	**A703_38.4 P180 BX180L4**	297
41	4662	2.9	35.8	67000				**A903_35.8 P180 BE180L4**	**A903_35.8 P180 BX180L4**	303
41	4625	1.5	35.5	48900				**A803_35.5 P180 BE180L4**	**A803_35.5 P180 BX180L4**	300
41	4611	1.0	35.4	45500				**A703_35.4 P180 BE180L4**	**A703_35.4 P180 BX180L4**	297
47	4099	3.4	31.5	65200				**A903_31.5 P180 BE180L4**	**A903_31.5 P180 BX180L4**	303
48	3979	1.6	30.6	47800				**A803_30.6 P180 BE180L4**	**A803_30.6 P180 BX180L4**	300
49	3917	1.2	30.1	44500				**A703_30.1 P180 BE180L4**	**A703_30.1 P180 BX180L4**	297
51	3784	3.4	29.1	64000				**A903_29.1 P180 BE180L4**	**A903_29.1 P180 BX180L4**	303
52	3673	1.8	28.2	47100				**A803_28.2 P180 BE180L4**	**A803_28.2 P180 BX180L4**	300
53	3616	1.2	27.8	43900				**A703_27.8 P180 BE180L4**	**A703_27.8 P180 BX180L4**	297
60	3188	2.1	24.5	45900				**A803_24.5 P180 BE180L4**	**A803_24.5 P180 BX180L4**	300
63	3061	1.4	23.5	42700				**A703_23.5 P180 BE180L4**	**A703_23.5 P180 BX180L4**	297
65	2943	2.1	22.6	45200				**A803_22.6 P180 BE180L4**	**A803_22.6 P180 BX180L4**	300



22 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE2	IE3		IEC IE2	IEC IE3	
69	2772	1.4	21.3	41900				**A703_21.3 P180 BE180L4**	**A703_21.3 P180 BX180L4**	297
70	2726	2.4	20.9	44600				**A803_20.9 P180 BE180L4**	**A803_20.9 P180 BX180L4**	300
75	2559	1.4	19.7	41200				**A703_19.7 P180 BE180L4**	**A703_19.7 P180 BX180L4**	297
76	2516	2.4	19.3	43800				**A803_19.3 P180 BE180L4**	**A803_19.3 P180 BX180L4**	300
88	2178	3.0	16.7	42500				**A803_16.7 P180 BE180L4**	**A803_16.7 P180 BX180L4**	300
88	2250	0.9	16.7	30000				**A602_16.7 P180 BE180L4**	**A602_16.7 P180 BX180L4**	293
88	2172	1.8	16.7	39900				**A703_16.7 P180 BE180L4**	**A703_16.7 P180 BX180L4**	297
95	2011	3.0	15.5	41700				**A803_15.5 P180 BE180L4**	**A803_15.5 P180 BX180L4**	300
95	2005	1.8	15.4	39200				**A703_15.4 P180 BE180L4**	**A703_15.4 P180 BX180L4**	297
112	1703	2.3	13.1	37900				**A703_13.1 P180 BE180L4**	**A703_13.1 P180 BX180L4**	297
112	1758	1.0	13.1	23500				**A552_13.1 P180 BE180L4**	**A552_13.1 P180 BX180L4**	289
116	1708	1.2	12.7	30000				**A602_12.7 P180 BE180L4**	**A602_12.7 P180 BX180L4**	293
122	1572	2.3	12.1	37200				**A703_12.1 P180 BE180L4**	**A703_12.1 P180 BX180L4**	297
142	1392	1.3	10.4	22400				**A552_10.4 P180 BE180L4**	**A552_10.4 P180 BX180L4**	289
143	1387	1.4	10.3	29300				**A602_10.3 P180 BE180L4**	**A602_10.3 P180 BX180L4**	293
144	1331	2.4	10.2	35800				**A703_10.2 P180 BE180L4**	**A703_10.2 P180 BX180L4**	297
156	1228	2.4	9.4	35100				**A703_9.4 P180 BE180L4**	**A703_9.4 P180 BX180L4**	297
174	1137	1.6	8.5	21400				**A552_8.5 P180 BE180L4**	**A552_8.5 P180 BX180L4**	289
187	1057	1.9	7.9	27500				**A602_7.9 P180 BE180L4**	**A602_7.9 P180 BX180L4**	293
190	1040	0.9	7.7	8760				**A502_7.7 P180 BE180L4**	**A502_7.7 P180 BX180L4**	285
229	862	2.0	6.4	20100				**A552_6.4 P180 BE180L4**	**A552_6.4 P180 BX180L4**	289
297	665	2.4	4.9	18900				**A552_4.9 P180 BE180L4**	**A552_4.9 P180 BX180L4**	289

30 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE...		IEC IE2*	IEC IE3	
16.8	15556	0.9	87.1	70100			**A903_87.1 P200 IEC200L4**	**A903_87.1 P200 BX200LA4**	303
18.2	14360	1.0	80.4	70000			**A903_80.4 P200 IEC200L4**	**A903_80.4 P200 BX200LA4**	303
19.6	13307	1.1	74.5	69700			**A903_74.5 P200 IEC200L4**	**A903_74.5 P200 BX200LA4**	303
21.2	12283	1.1	68.8	69200			**A903_68.8 P200 IEC200L4**	**A903_68.8 P200 BX200LA4**	303
24.5	10651	1.3	59.6	68500			**A903_59.6 P200 IEC200L4**	**A903_59.6 P200 BX200LA4**	303
26.5	9832	1.4	55.0	67800			**A903_55.0 P200 IEC200L4**	**A903_55.0 P200 BX200LA4**	303
30.0	8630	1.6	48.3	66900			**A903_48.3 P200 IEC200L4**	**A903_48.3 P200 BX200LA4**	303
30	8609	0.9	48.2	45700			**A803_48.2 P200 IEC200L4**	**A803_48.2 P200 BX200LA4**	300
33	7966	1.8	44.6	66000			**A903_44.6 P200 IEC200L4**	**A903_44.6 P200 BX200LA4**	303
33	7946	0.9	44.5	45500			**A803_44.5 P200 IEC200L4**	**A803_44.5 P200 BX200LA4**	300
38	6934	2.0	38.8	64700			**A903_38.8 P200 IEC200L4**	**A903_38.8 P200 BX200LA4**	303
38	6879	1.1	38.5	45300			**A803_38.5 P200 IEC200L4**	**A803_38.5 P200 BX200LA4**	300
41	6400	2.1	35.8	63800			**A903_35.8 P200 IEC200L4**	**A903_35.8 P200 BX200LA4**	303
41	6349	1.1	35.5	45000			**A803_35.5 P200 IEC200L4**	**A803_35.5 P200 BX200LA4**	300
46	5628	2.5	31.5	62400			**A903_31.5 P200 IEC200L4**	**A903_31.5 P200 BX200LA4**	303
48	5463	1.2	30.6	44500			**A803_30.6 P200 IEC200L4**	**A803_30.6 P200 BX200LA4**	300
50	5195	2.5	29.1	61400			**A903_29.1 P200 IEC200L4**	**A903_29.1 P200 BX200LA4**	303
52	5043	1.3	28.2	44000			**A803_28.2 P200 IEC200L4**	**A803_28.2 P200 BX200LA4**	300
60	4377	1.5	24.5	43300			**A803_24.5 P200 IEC200L4**	**A803_24.5 P200 BX200LA4**	300
61	4307	3.1	24.1	59200			**A903_24.1 P200 IEC200L4**	**A903_24.1 P200 BX200LA4**	303
62	4202	1.0	23.5	40100			**A703_23.5 P200 IEC200L4**	**A703_23.5 P200 BX200LA4**	297
65	4041	1.5	22.6	42700			**A803_22.6 P200 IEC200L4**	**A803_22.6 P200 BX200LA4**	300
66	3976	3.1	22.3	58200			**A903_22.3 P200 IEC200L4**	**A903_22.3 P200 BX200LA4**	303
70	3752	3.3	21.0	57500			**A903_21.0 P200 IEC200L4**	**A903_21.0 P200 BX200LA4**	303
70	3743	1.7	20.9	42300			**A803_20.9 P200 IEC200L4**	**A803_20.9 P200 BX200LA4**	300

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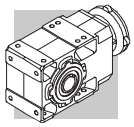

30 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE...		IEC IE2*	IEC IE3	
75	3463	3.3	19.4	56500			**A903_19.4 P200 IEC200L4**	**A903_19.4 P200 BX200LA4**	303
75	3455	1.8	19.3	41700			**A803_19.3 P200 IEC200L4**	**A803_19.3 P200 BX200LA4**	300
87	2991	2.2	16.7	40700			**A803_16.7 P200 IEC200L4**	**A803_16.7 P200 BX200LA4**	300
87	2982	1.3	16.7	38100			**A703_16.7 P200 IEC200L4**	**A703_16.7 P200 BX200LA4**	297
94	2761	2.2	15.5	40000			**A803_15.5 P200 IEC200L4**	**A803_15.5 P200 BX200LA4**	300
95	2752	1.3	15.4	37500			**A703_15.4 P200 IEC200L4**	**A703_15.4 P200 BX200LA4**	297
110	2375	2.8	13.3	38900			**A803_13.3 P200 IEC200L4**	**A803_13.3 P200 BX200LA4**	300
112	2338	1.6	13.1	36400			**A703_13.1 P200 IEC200L4**	**A703_13.1 P200 BX200LA4**	297
119	2192	2.8	12.3	38200			**A803_12.3 P200 IEC200L4**	**A803_12.3 P200 BX200LA4**	300
121	2158	1.6	12.1	35800			**A703_12.1 P200 IEC200L4**	**A703_12.1 P200 BX200LA4**	297
125	2094	1.7	23.5	35600			**A703_23.5 P200 IEC200LA2**	**A703_23.5 P200 IEC200LA2**	297
137	1903	3.4	10.7	37100			**A803_10.7 P200 IEC200L4**	**A803_10.7 P200 BX200LA4**	300
143	1827	1.8	10.2	34600			**A703_10.2 P200 IEC200L4**	**A703_10.2 P200 BX200LA4**	297
148	1757	3.4	9.8	36500			**A803_9.8 P200 IEC200L4**	**A803_9.8 P200 BX200LA4**	300
155	1687	1.8	9.4	34000			**A703_9.4 P200 IEC200L4**	**A703_9.4 P200 BX200LA4**	297
176	1486	2.3	16.7	33100			**A703_16.7 P200 IEC200LA2**	**A703_16.7 P200 IEC200LA2**	297
190	1371	2.3	15.4	32500			**A703_15.4 P200 IEC200LA2**	**A703_15.4 P200 IEC200LA2**	297
224	1165	2.7	13.1	31300			**A703_13.1 P200 IEC200LA2**	**A703_13.1 P200 IEC200LA2**	297
243	1075	2.7	12.1	30600			**A703_12.1 P200 IEC200LA2**	**A703_12.1 P200 IEC200LA2**	297
287	910	3.2	10.2	29400			**A703_10.2 P200 IEC200LA2**	**A703_10.2 P200 IEC200LA2**	297
310	840	3.2	9.4	28800			**A703_9.4 P200 IEC200LA2**	**A703_9.4 P200 IEC200LA2**	297

37 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE...		IEC IE2*	IEC IE3	
21.5	14945	0.9	68.8	63900			**A903_68.8 P225 IEC225S4**	**A903_68.8 P225 BX225SA4**	303
24.8	12959	1.1	59.6	63900			**A903_59.6 P225 IEC225S4**	**A903_59.6 P225 BX225SA4**	303
26.9	11962	1.2	55.0	63600			**A903_55.0 P225 IEC225S4**	**A903_55.0 P225 BX225SA4**	303
31	10499	1.3	48.3	63100			**A903_48.3 P225 IEC225S4**	**A903_48.3 P225 BX225SA4**	303
33	9692	1.4	44.6	62500			**A903_44.6 P225 IEC225S4**	**A903_44.6 P225 BX225SA4**	303
38	8436	1.7	38.8	61700			**A903_38.8 P225 IEC225S4**	**A903_38.8 P225 BX225SA4**	303
38	8369	0.9	38.5	41700			**A803_38.5 P225 IEC225S4**	**A803_38.5 P225 BX225SA4**	300
41	7787	1.8	35.8	61000			**A903_35.8 P225 IEC225S4**	**A903_35.8 P225 BX225SA4**	303
42	7725	0.9	35.5	41600			**A803_35.5 P225 IEC225S4**	**A803_35.5 P225 BX225SA4**	300
47	6847	2.0	31.5	59900			**A903_31.5 P225 IEC225S4**	**A903_31.5 P225 BX225SA4**	303
48	6647	1.0	30.6	41600			**A803_30.6 P225 IEC225S4**	**A803_30.6 P225 BX225SA4**	300
51	6321	2.1	29.1	59100			**A903_29.1 P225 IEC225S4**	**A903_29.1 P225 BX225SA4**	303
52	6135	1.1	28.2	41300			**A803_28.2 P225 IEC225S4**	**A803_28.2 P225 BX225SA4**	300
60	5326	1.3	24.5	40900			**A803_24.5 P225 IEC225S4**	**A803_24.5 P225 BX225SA4**	300
61	5241	2.5	24.1	57300			**A903_24.1 P225 IEC225S4**	**A903_24.1 P225 BX225SA4**	303
65	4916	1.3	22.6	40500			**A803_22.6 P225 IEC225S4**	**A803_22.6 P225 BX225SA4**	300
67	4837	2.5	22.3	56400			**A903_22.3 P225 IEC225S4**	**A903_22.3 P225 BX225SA4**	303
70	4565	2.7	21.0	55900			**A903_21.0 P225 IEC225S4**	**A903_21.0 P225 BX225SA4**	303
71	4554	1.4	20.9	40300			**A803_20.9 P225 IEC225S4**	**A803_20.9 P225 BX225SA4**	300
76	4214	2.7	19.4	54900			**A903_19.4 P225 IEC225S4**	**A903_19.4 P225 BX225SA4**	303
77	4204	1.4	19.3	39800			**A803_19.3 P225 IEC225S4**	**A803_19.3 P225 BX225SA4**	300
88	3668	3.2	16.9	53400			**A903_16.9 P225 IEC225S4**	**A903_16.9 P225 BX225SA4**	303
88	3639	1.8	16.7	39100			**A803_16.7 P225 IEC225S4**	**A803_16.7 P225 BX225SA4**	300
95	3386	3.2	15.6	52500			**A903_15.6 P225 IEC225S4**	**A903_15.6 P225 BX225SA4**	303
96	3359	1.8	15.5	38500			**A803_15.5 P225 IEC225S4**	**A803_15.5 P225 BX225SA4**	300
111	2890	2.3	13.3	37600			**A803_13.3 P225 IEC225S4**	**A803_13.3 P225 BX225SA4**	300
121	2667	2.3	12.3	37000			**A803_12.3 P225 IEC225S4**	**A803_12.3 P225 BX225SA4**	300
139	2316	2.8	10.7	36100			**A803_10.7 P225 IEC225S4**	**A803_10.7 P225 BX225SA4**	300
151	2137	2.8	9.8	35500			**A803_9.8 P225 IEC225S4**	**A803_9.8 P225 BX225SA4**	300

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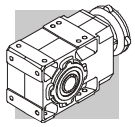


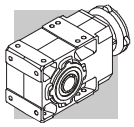
45 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE...		IEC IE2*	IEC IE3	
26.9	14549	1.0	55.0	58700			**A903_55.0 P225 IEC225M4**	**A903_55.0 P225 BX225SB4**	303
31	12769	1.1	48.3	58900			**A903_48.3 P225 IEC225M4**	**A903_48.3 P225 BX225SB4**	303
33	11787	1.2	44.6	58600			**A903_44.6 P225 IEC225M4**	**A903_44.6 P225 BX225SB4**	303
38	10260	1.4	38.8	58300			**A903_38.8 P225 IEC225M4**	**A903_38.8 P225 BX225SB4**	303
41	9471	1.5	35.8	57800			**A903_35.8 P225 IEC225M4**	**A903_35.8 P225 BX225SB4**	303
47	8328	1.7	31.5	57200			**A903_31.5 P225 IEC225M4**	**A903_31.5 P225 BX225SB4**	303
51	7687	1.7	29.1	56600			**A903_29.1 P225 IEC225M4**	**A903_29.1 P225 BX225SB4**	303
60	6477	1.0	24.5	38300			**A803_24.5 P225 IEC225M4**	**A803_24.5 P225 BX225SB4**	300
61	6374	2.1	24.1	55200			**A903_24.1 P225 IEC225M4**	**A903_24.1 P225 BX225SB4**	303
65	5979	1.0	22.6	38100			**A803_22.6 P225 IEC225M4**	**A803_22.6 P225 BX225SB4**	300
67	5883	2.1	22.3	54500			**A903_22.3 P225 IEC225M4**	**A903_22.3 P225 BX225SB4**	303
70	5552	2.2	21.0	54000			**A903_21.0 P225 IEC225M4**	**A903_21.0 P225 BX225SB4**	303
71	5539	1.2	20.9	38000			**A803_20.9 P225 IEC225M4**	**A803_20.9 P225 BX225SB4**	300
76	5125	2.3	19.4	53200			**A903_19.4 P225 IEC225M4**	**A903_19.4 P225 BX225SB4**	303
77	5112	1.2	19.3	37700			**A803_19.3 P225 IEC225M4**	**A803_19.3 P225 BX225SB4**	300
88	4461	2.7	16.9	52000			**A903_16.9 P225 IEC225M4**	**A903_16.9 P225 BX225SB4**	303
88	4425	1.5	16.7	37300			**A803_16.7 P225 IEC225M4**	**A803_16.7 P225 BX225SB4**	300
95	4118	2.7	15.6	51100			**A903_15.6 P225 IEC225M4**	**A903_15.6 P225 BX225SB4**	303
96	4085	1.5	15.5	36900			**A803_15.5 P225 IEC225M4**	**A803_15.5 P225 BX225SB4**	300
108	3621	3.1	13.7	49900			**A903_13.7 P225 IEC225M4**	**A903_13.7 P225 BX225SB4**	303
111	3515	1.9	13.3	36200			**A803_13.3 P225 IEC225M4**	**A803_13.3 P225 BX225SB4**	300
117	3342	3.1	12.6	49000			**A903_12.6 P225 IEC225M4**	**A903_12.6 P225 BX225SB4**	303
121	3244	1.9	12.3	35700			**A803_12.3 P225 IEC225M4**	**A803_12.3 P225 BX225SB4**	300
139	2816	2.3	10.7	34900			**A803_10.7 P225 IEC225M4**	**A803_10.7 P225 BX225SB4**	300
141	2771	3.5	10.5	47100			**A903_10.5 P225 IEC225M4**	**A903_10.5 P225 BX225SB4**	303
151	2600	2.3	9.8	34400			**A803_9.8 P225 IEC225M4**	**A803_9.8 P225 BX225SB4**	300
153	2558	3.5	9.7	46200			**A903_9.7 P225 IEC225M4**	**A903_9.7 P225 BX225SB4**	303

55 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE...		IEC IE2*	IEC IE3	
33	14406	1.0	44.6	53900			**A903_44.6 P250 IEC250M4**	**A903_44.6 P250 BX250MA4**	303
38	12540	1.1	38.8	54100			**A903_38.8 P250 IEC250M4**	**A903_38.8 P250 BX250MA4**	303
41	11575	1.2	35.8	54000			**A903_35.8 P250 IEC250M4**	**A903_35.8 P250 BX250MA4**	303
47	10179	1.4	31.5	53800			**A903_31.5 P250 IEC250M4**	**A903_31.5 P250 BX250MA4**	303
51	9396	1.4	29.1	53400			**A903_29.1 P250 IEC250M4**	**A903_29.1 P250 BX250MA4**	303
61	7790	1.7	24.1	52600			**A903_24.1 P250 IEC250M4**	**A903_24.1 P250 BX250MA4**	303
67	7191	1.7	22.3	52000			**A903_22.3 P250 IEC250M4**	**A903_22.3 P250 BX250MA4**	303
70	6786	1.8	21.0	51700			**A903_21.0 P250 IEC250M4**	**A903_21.0 P250 BX250MA4**	303
76	6264	1.8	19.4	51100			**A903_19.4 P250 IEC250M4**	**A903_19.4 P250 BX250MA4**	303
88	5452	2.2	16.9	50100			**A903_16.9 P250 IEC250M4**	**A903_16.9 P250 BX250MA4**	303
95	5033	2.2	15.6	49400			**A903_15.6 P250 IEC250M4**	**A903_15.6 P250 BX250MA4**	303
108	4425	2.5	13.7	48400			**A903_13.7 P250 IEC250M4**	**A903_13.7 P250 BX250MA4**	303
117	4085	2.6	12.6	47600			**A903_12.6 P250 IEC250M4**	**A903_12.6 P250 BX250MA4**	303
141	3387	2.9	10.5	45900			**A903_10.5 P250 IEC250M4**	**A903_10.5 P250 BX250MA4**	303
153	3126	2.9	9.7	45100			**A903_9.7 P250 IEC250M4**	**A903_9.7 P250 BX250MA4**	303

***The technical information shall be considered as indicative, the configurations should be matching the data provided by motors manufacturers on rated powers greater than 22 kW.**

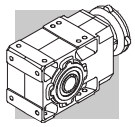


39 GEARBOX RATING CHARTS

A 10 — 150 Nm

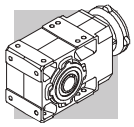
	i	n_1 = 2800 min^{-1}					n_1 = 1400 min^{-1}					
		n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	
A 10 2_5.5	5.5	512	73	4.2	—	1830	256	73	2.1	960	2460	
A 10 2_6.3	6.3	442	80	3.9	—	1900	221	80	2.0	830	2560	
A 10 2_7.2	7.2	388	92	4.0	—	1910	194	93	2.0	630	2600	
A 10 2_8.5	8.5	329	92	3.4	—	2060	164	93	1.7	720	2790	
A 10 2_9.6	9.6	291	102	3.3	—	2090	146	128	2.1	—	2650	
A 10 2_10.6	10.6	265	125	3.7	540	2010	133	150	2.2	810	2590	
A 10 2_12.3	12.3	228	110	2.8	—	2280	114	138	1.7	—	2880	
A 10 2_13.9	13.9	201	135	3.0	620	2220	101	150	1.7	1080	2960	
A 10 2_16.4	16.4	170	140	2.7	610	2370	85	150	1.4	1140	3200	
A 10 2_18.6	18.6	151	147	2.5	650	2460	75	150	1.3	1180	3380	
A 10 2_21.4	21.4	131	150	2.2	650	2610	66	150	1.1	1200	3600	
A 10 2_23.8	23.8	118	150	2.0	750	2750	59	150	0.98	1220	3780	265
A 10 2_25.5	25.5	110	150	1.8	750	2840	55	150	0.92	1220	3900	
A 10 2_28.6	28.6	98	150	1.6	830	3000	49	150	0.82	1250	4100	
A 10 2_32.2	32.2	87	150	1.5	880	3170	43	150	0.73	1270	4310	
A 10 2_35.1	35.1	80	150	1.3	880	3300	40	150	0.67	1270	4470	
A 10 2_40.9	40.9	69	150	1.1	910	3530	34	150	0.57	1300	4770	
A 10 2_45.4	45.4	62	150	1.0	910	3700	31	150	0.52	1300	4980	
A 10 2_51.3	51.3	55	150	0.91	910	3910	27.3	150	0.46	1290	5240	
A 10 2_58.6	58.6	48	150	0.80	920	4140	23.9	150	0.40	1300	5500	
A 10 2_65.9	65.9	42	150	0.71	920	4360	21.2	150	0.35	1300	5500	
A 10 2_76.4	76.4	37	150	0.61	930	4640	18.3	150	0.31	1300	5500	
A 10 2_91.6	91.6	31	130	0.44	1020	5160	15.3	130	0.22	1300	5500	

(—) Contact our technical service department advising radial load data (rotation direction, orientation, position)



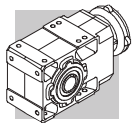
A 10 — 150 Nm

	i	n_1 = 900 min^{-1}					n_1 = 500 min^{-1}					
		n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	
A 10 2_5.5	5.5	165	73	1.3	1300	2950	91	73	0.74	1300	3720	
A 10 2_6.3	6.3	142	80	1.3	1300	3070	79	80	0.70	1300	4100	
A 10 2_7.2	7.2	125	93	1.3	1160	3130	69	93	0.72	1300	3970	
A 10 2_8.5	8.5	106	95	1.1	1200	3330	59	110	0.72	1300	4100	
A 10 2_9.6	9.6	94	128	1.3	500	3230	52	128	0.74	1300	4160	
A 10 2_10.6	10.6	85	150	1.4	1300	3200	47	150	0.79	1300	4160	
A 10 2_12.3	12.3	73	150	1.2	180	3420	41	150	0.68	1030	4430	
A 10 2_13.9	13.9	65	150	1.1	1300	3630	36	150	0.60	1300	4680	
A 10 2_16.4	16.4	55	150	0.91	1300	3900	30	150	0.51	1300	5010	
A 10 2_18.6	18.6	48	150	0.81	1300	4120	26.9	150	0.45	1300	5270	
A 10 2_21.4	21.4	42	150	0.70	1300	4370	23.4	150	0.39	1300	5500	
A 10 2_23.8	23.8	38	150	0.63	1300	4570	21.0	150	0.35	1300	5500	265
A 10 2_25.5	25.5	35	150	0.59	1300	4710	19.6	150	0.33	1300	5500	
A 10 2_28.6	28.6	31	150	0.53	1300	4940	17.5	150	0.29	1300	5500	
A 10 2_32.2	32.2	28.0	150	0.47	1300	5190	15.5	150	0.26	1300	5500	
A 10 2_35.1	35.1	25.6	150	0.43	1300	5380	14.2	150	0.24	1300	5500	
A 10 2_40.9	40.9	22.0	150	0.37	1300	5500	12.2	150	0.20	1300	5500	
A 10 2_45.4	45.4	19.8	150	0.33	1300	5500	11.0	150	0.18	1300	5500	
A 10 2_51.3	51.3	17.6	150	0.29	1300	5500	9.8	150	0.16	1300	5500	
A 10 2_58.6	58.6	15.4	150	0.26	1300	5500	8.5	150	0.14	1300	5500	
A 10 2_65.9	65.9	13.7	150	0.23	1300	5500	7.6	150	0.13	1300	5500	
A 10 2_76.4	76.4	11.8	150	0.20	1300	5500	6.5	150	0.11	1300	5500	
A 10 2_91.6	91.6	9.8	130	0.14	1300	5500	5.5	130	0.08	1300	5500	



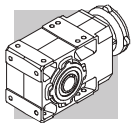
A 20 — 250 Nm

	i	n_1 = 2800 min^{-1}					n_1 = 1400 min^{-1}					
		n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	
A 20 2_5.4	5.4	523	96	5.6	610	1910	262	121	3.5	770	2400	
A 20 2_6.5	6.5	428	107	5.1	490	2010	214	135	3.2	610	2530	
A 20 2_7.3	7.3	384	113	4.8	510	2070	192	143	3.1	630	2600	
A 20 2_8.4	8.4	334	116	4.3	510	2180	167	146	2.7	650	2750	
A 20 2_9.4	9.4	299	122	4.1	530	2260	149	154	2.6	660	2840	
A 20 2_10.3	10.3	271	183	5.5	650	1970	135	225	3.4	890	2520	
A 20 2_12.0	12.0	234	128	3.3	550	2280	117	161	2.1	690	3120	
A 20 2_14.1	14.1	199	199	4.4	750	2210	99	245	2.7	960	2820	
A 20 2_16.2	16.2	173	209	4.0	700	2310	87	250	2.4	1040	2990	
A 20 2_18.1	18.1	155	216	3.7	760	2400	77	250	2.2	1210	3170	
A 20 2_21.2	21.2	132	226	3.3	710	2540	66	250	1.8	1290	3430	
A 20 2_23.1	23.1	121	232	3.1	710	2620	61	250	1.7	1360	3580	
A 20 2_26.5	26.5	106	241	2.8	660	2750	53	250	1.5	1410	3820	
A 20 2_29.2	29.2	96	249	2.7	670	2850	48	250	1.3	1510	4000	
A 20 2_31.3	31.3	89	250	2.5	660	2940	45	250	1.2	1510	4130	
A 20 2_35.4	35.4	79	250	2.2	800	3140	40	250	1.1	1650	4380	
A 20 2_39.6	39.6	71	250	2.0	880	3320	35	250	0.98	1710	4600	
A 20 2_43.2	43.2	65	250	1.8	880	3460	32	250	0.90	1710	4790	
A 20 2_48.3	48.3	58	250	1.6	920	3650	29.0	250	0.81	1720	5030	269
A 20 2_53.7	53.7	52	250	1.5	920	3840	26.1	250	0.73	1720	5270	
A 20 2_63.1	63.1	44	245	1.2	1040	4180	22.2	245	0.61	1740	5680	
A 20 2_71.0	71.0	39	210	0.92	1360	4640	19.7	210	0.46	1790	6200	
A 20 2_79.9	79.9	35	210	0.82	1360	4880	17.5	210	0.41	1790	6200	
A 20 2_92.3	92.3	30	200	0.68	1380	5250	15.2	200	0.34	1810	6200	
A 20 3_109.2	109.2	25.6	165	0.49	1180	5900	12.8	205	0.30	1300	6200	
A 20 3_120.5	120.5	23.2	168	0.45	1130	6110	11.6	210	0.28	1300	6200	
A 20 3_129.1	129.1	21.7	175	0.44	1210	6200	10.8	215	0.27	1300	6200	
A 20 3_146.1	146.1	19.2	183	0.40	1160	6200	9.6	230	0.25	1300	6200	
A 20 3_163.4	163.4	17.1	190	0.37	1240	6200	8.6	235	0.23	1300	6200	
A 20 3_178.3	178.3	15.7	195	0.35	1200	6200	7.9	245	0.22	1300	6200	
A 20 3_199.2	199.2	14.1	200	0.32	1270	6200	7.0	250	0.20	1300	6200	
A 20 3_221.3	221.3	12.7	203	0.30	1240	6200	6.3	250	0.18	1300	6200	
A 20 3_260.5	260.5	10.8	214	0.26	1270	6200	5.4	250	0.15	1300	6200	
A 20 3_292.8	292.8	9.6	218	0.24	1300	6200	4.8	250	0.14	1300	6200	
A 20 3_329.4	329.4	8.5	221	0.22	1300	6200	4.3	250	0.12	1300	6200	
A 20 3_380.9	380.9	7.4	226	0.19	1300	6200	3.7	250	0.11	1300	6200	



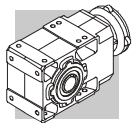
A 20 — 250 Nm

	i	n_1 = 900 min^{-1}					n_1 = 500 min^{-1}					
		n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	
A 20 2_5.4	5.4	168	140	2.6	900	2780	93	170	1.8	1100	3390	
A 20 2_6.5	6.5	138	156	2.4	720	2930	76	190	1.6	860	3570	
A 20 2_7.3	7.3	123	165	2.3	740	3020	69	201	1.5	890	3670	
A 20 2_8.4	8.4	108	170	2.0	730	3180	60	206	1.4	910	3870	
A 20 2_9.4	9.4	96	179	1.9	760	3290	53	210	1.2	1090	4050	
A 20 2_10.3	10.3	87	250	2.4	1190	2990	48	250	1.3	2200	3980	
A 20 2_12.0	12.0	75	187	1.6	790	2990	42	210	0.98	1336	4510	
A 20 2_14.1	14.1	64	250	1.8	1610	3490	36	250	0.99	2200	4590	
A 20 2_16.2	16.2	56	250	1.6	1690	3730	31	250	0.86	2200	4880	
A 20 2_18.1	18.1	50	250	1.4	1860	3930	27.6	250	0.77	2200	5140	
A 20 2_21.2	21.2	42	250	1.2	1940	4230	23.6	250	0.66	2200	5500	
A 20 2_23.1	23.1	39	250	1.1	1970	4400	21.6	250	0.60	2200	5710	
A 20 2_26.5	26.5	34	250	0.95	1980	4680	18.9	250	0.53	2200	6050	
A 20 2_29.2	29.2	31	250	0.86	2000	4890	17.1	250	0.48	2200	6200	
A 20 2_31.3	31.3	28.7	250	0.80	2000	5040	16.0	250	0.44	2200	6200	
A 20 2_35.4	35.4	25.4	250	0.71	2020	5330	14.1	250	0.39	2200	6200	
A 20 2_39.6	39.6	22.7	250	0.63	2040	5590	12.6	250	0.35	2200	6200	
A 20 2_43.2	43.2	20.8	250	0.58	2040	5800	11.6	250	0.32	2200	6200	
A 20 2_48.3	48.3	18.6	250	0.52	2040	6080	10.4	250	0.29	2200	6200	269
A 20 2_53.7	53.7	16.8	250	0.47	2050	6200	9.3	250	0.26	2200	6200	
A 20 2_63.1	63.1	14.3	245	0.39	2060	6200	7.9	245	0.22	2200	6200	
A 20 2_71.0	71.0	12.7	210	0.30	2120	6200	7.0	210	0.16	2200	6200	
A 20 2_79.9	79.9	11.3	210	0.26	2120	6200	6.3	210	0.15	2200	6200	
A 20 2_92.3	92.3	9.7	200	0.22	2140	6200	5.4	200	0.12	2200	6200	
A 20 3_109.2	109.2	8.2	240	0.23	1300	6200	4.6	250	0.13	1300	6200	
A 20 3_120.5	120.5	7.5	245	0.21	1300	6200	4.1	250	0.12	1300	6200	
A 20 3_129.1	129.1	7.0	250	0.20	1300	6200	3.9	250	0.11	1300	6200	
A 20 3_146.1	146.1	6.2	250	0.18	1300	6200	3.4	250	0.10	1300	6200	
A 20 3_163.4	163.4	5.5	250	0.16	1300	6200	3.1	250	0.09	1300	6200	
A 20 3_178.3	178.3	5.0	250	0.15	1300	6200	2.8	250	0.08	1300	6200	
A 20 3_199.2	199.2	4.5	250	0.13	1300	6200	2.5	250	0.07	1300	6200	
A 20 3_221.3	221.3	4.1	250	0.12	1300	6200	2.3	250	0.06	1300	6200	
A 20 3_260.5	260.5	3.5	250	0.10	1300	6200	1.9	250	0.06	1300	6200	
A 20 3_292.8	292.8	3.1	250	0.09	1300	6200	1.7	250	0.05	1300	6200	
A 20 3_329.4	329.4	2.7	250	0.08	1300	6200	1.5	250	0.04	1300	6200	
A 20 3_380.9	380.9	2.4	250	0.07	1300	6200	1.3	250	0.04	1300	6200	



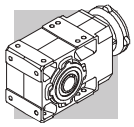
A 30 — 410 Nm

	i	n_1 = 2800 min^{-1}					n_1 = 1400 min^{-1}					
		n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	
A 30 2_5.4	5.4	517	175	10.1	1130	2480	259	220	6.3	1430	3130	
A 30 2_6.4	6.4	437	185	9.0	1120	2630	218	230	5.6	1470	3330	
A 30 2_7.0	7.0	399	194	8.6	1140	2690	199	245	5.4	1430	3380	
A 30 2_8.5	8.5	331	200	7.4	1220	2900	165	250	4.6	1570	3660	
A 30 2_9.3	9.3	301	214	7.2	1140	2950	150	270	4.5	1440	3710	
A 30 2_10.5	10.5	268	278	8.3	1800	2770	134	340	5.1	2200	3550	
A 30 2_11.8	11.8	238	230	6.1	1130	3200	119	290	3.8	1420	4030	
A 30 2_13.6	13.6	206	301	6.9	1830	3030	103	370	4.3	2200	3870	
A 30 2_16.3	16.3	171	318	6.1	1830	3240	86	385	3.7	2200	4170	
A 30 2_18.0	18.0	156	327	5.7	1840	3350	78	400	3.5	2200	4290	
A 30 2_20.5	20.5	136	340	5.2	1830	3510	68	410	3.1	2200	4530	
A 30 2_22.8	22.8	123	351	4.8	1850	3640	62	410	2.8	2200	4770	
A 30 2_26.5	26.5	106	367	4.3	1840	3850	53	410	2.4	2200	5150	
A 30 2_29.3	29.3	96	378	4.0	1847	3980	48	410	2.2	2200	5400	
A 30 2_33.4	33.4	84	393	3.7	1840	4170	42	410	1.9	2200	5750	
A 30 2_36.6	36.6	76	404	3.4	1840	4310	38	410	1.7	2200	6010	
A 30 2_39.3	39.3	71	410	3.3	1810	4430	36	410	1.6	2200	6200	
A 30 2_43.4	43.4	64	410	2.9	1850	4660	32	410	1.5	2200	6490	
A 30 2_48.3	48.3	58	410	2.6	1860	4920	29.0	410	1.3	2200	6810	
A 30 2_52.7	52.7	53	410	2.4	1860	5130	26.6	410	1.2	2200	7080	273
A 30 2_59.4	59.4	47	400	2.1	1890	5500	23.6	400	1.0	2200	7530	
A 30 2_66.0	66.0	42	390	1.8	1900	5840	21.2	390	0.92	2200	7940	
A 30 2_76.5	76.5	37	350	1.4	1950	6480	18.3	350	0.71	2200	8690	
A 30 2_86.7	86.7	32	320	1.2	2000	7010	16.2	320	0.58	2200	9310	
A 30 2_97.5	97.5	28.7	300	0.96	2020	7480	14.4	300	0.48	2200	9600	
A 30 3_109.1	109.1	25.7	240	0.71	1300	8240	12.8	300	0.44	1300	9600	
A 30 3_120.5	120.5	23.2	243	0.65	1120	8540	11.6	300	0.40	1300	9600	
A 30 3_137.4	137.4	20.4	250	0.59	1300	8950	10.2	315	0.37	1300	9600	
A 30 3_150.7	150.7	18.6	261	0.56	1170	9210	9.3	330	0.35	1300	9600	
A 30 3_161.4	161.4	17.3	270	0.54	1300	9410	8.7	340	0.34	1300	9600	
A 30 3_178.5	178.5	15.7	274	0.49	1210	9600	7.8	345	0.31	1300	9600	
A 30 3_198.5	198.5	14.1	280	0.45	1300	9600	7.1	350	0.28	1300	9600	
A 30 3_216.6	216.6	12.9	287	0.43	1240	9600	6.5	360	0.27	1300	9600	
A 30 3_244.3	244.3	11.5	295	0.39	1300	9600	5.7	370	0.24	1300	9600	
A 30 3_271.5	271.5	10.3	301	0.36	1280	9600	5.2	380	0.23	1300	9600	
A 30 3_314.5	314.5	8.9	309	0.32	1300	9600	4.5	390	0.20	1300	9600	
A 30 3_356.3	356.3	7.9	320	0.29	1300	9600	3.9	370	0.17	1300	9600	
A 30 3_400.8	400.8	7.0	320	0.26	1300	9600	3.5	360	0.14	1300	9600	



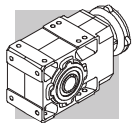
A 30 — 410 Nm

	i	n_1 = 900 min^{-1}					n_1 = 500 min^{-1}					
		n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	
A 30 2_5.4	5.4	166	255	4.7	1660	3630	92	300	3.1	2200	4470	
A 30 2_6.4	6.4	140	270	4.2	1630	3830	78	300	2.6	2200	4830	
A 30 2_7.0	7.0	128	284	4.1	1650	3920	71	300	2.4	2200	5040	
A 30 2_8.5	8.5	106	290	3.4	1810	4240	59	300	2.0	2200	5470	
A 30 2_9.3	9.3	97	300	3.2	1900	4380	54	300	1.8	2200	5710	
A 30 2_10.5	10.5	86	391	3.7	2200	4130	48	410	2.2	2200	5400	
A 30 2_11.8	11.8	76	300	2.6	2200	4880	42	300	1.4	2200	6320	
A 30 2_13.6	13.6	66	410	3.0	2200	4600	37	410	1.7	2200	6110	
A 30 2_16.3	16.3	55	410	2.5	2200	5044	31	410	1.4	2200	6650	
A 30 2_18.0	18.0	50	410	2.3	2200	5280	27.8	410	1.3	2200	6940	
A 30 2_20.5	20.5	44	410	2.0	2200	5630	24.3	410	1.1	2200	7360	
A 30 2_22.8	22.8	40	410	1.8	2200	5910	22.0	410	1.0	2200	7700	
A 30 2_26.5	26.5	34	410	1.5	2200	6340	18.8	410	0.86	2200	8230	
A 30 2_29.3	29.3	31	410	1.4	2200	6640	17.1	410	0.78	2200	8590	
A 30 2_33.4	33.4	26.9	410	1.2	2200	7040	15.0	410	0.68	2200	9080	
A 30 2_36.6	36.6	24.6	410	1.1	2200	7340	13.6	410	0.62	2200	9440	
A 30 2_39.3	39.3	22.9	410	1.0	2200	7560	12.7	410	0.58	2200	9600	
A 30 2_43.4	43.4	20.7	410	0.95	2200	7900	11.5	410	0.53	2200	9600	
A 30 2_48.3	48.3	18.6	410	0.85	2200	8270	10.4	410	0.47	2200	9600	
A 30 2_52.7	52.7	17.1	410	0.78	2200	8590	9.5	410	0.43	2200	9600	273
A 30 2_59.4	59.4	15.1	400	0.67	2200	9090	8.4	400	0.37	2200	9600	
A 30 2_66.0	66.0	13.6	390	0.59	2200	9560	7.6	390	0.33	2200	9600	
A 30 2_76.5	76.5	11.8	350	0.46	2200	9600	6.5	350	0.25	2200	9600	
A 30 2_86.7	86.7	10.4	320	0.37	2200	9600	5.8	320	0.21	2200	9600	
A 30 2_97.5	97.5	9.2	300	0.31	2200	9600	5.1	300	0.17	2200	9600	
A 30 3_109.1	109.1	8.3	350	0.33	1300	9600	4.6	370	0.20	1300	9600	
A 30 3_120.5	120.5	7.5	354	0.30	1300	9600	4.2	410	0.20	1300	9600	
A 30 3_137.4	137.4	6.5	370	0.28	1300	9600	3.6	410	0.17	1300	9600	
A 30 3_150.7	150.7	6.0	381	0.26	1300	9600	3.3	410	0.16	1300	9600	
A 30 3_161.4	161.4	5.6	390	0.25	1300	9600	3.1	410	0.15	1300	9600	
A 30 3_178.5	178.5	5.0	400	0.23	1300	9600	2.8	410	0.13	1300	9600	
A 30 3_198.5	198.5	4.5	410	0.21	1300	9600	2.5	410	0.12	1300	9600	
A 30 3_216.6	216.6	4.2	410	0.20	1300	9600	2.3	410	0.11	1300	9600	
A 30 3_244.3	244.3	3.7	410	0.17	1300	9600	2.0	410	0.10	1300	9600	
A 30 3_271.5	271.5	3.3	410	0.16	1300	9600	1.8	410	0.09	1300	9600	
A 30 3_314.5	314.5	2.9	410	0.13	1300	9600	1.6	410	0.07	1300	9600	
A 30 3_356.3	356.3	2.5	380	0.11	1300	9600	1.4	380	0.06	1300	9600	
A 30 3_400.8	400.8	2.2	360	0.09	1300	9600	1.2	360	0.05	1300	9600	



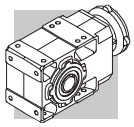
A 35 — 600 Nm

	i	n_1 = 2800 min^{-1}					n_1 = 1400 min^{-1}					
		n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	
A 35 2_5.4	5.4	517	246	14.2	1420	4000	259	310	8.9	1790	5050	
A 35 2_6.4	6.4	437	262	12.7	1420	4230	218	330	8.0	1790	5330	
A 35 2_7.0	7.0	399	278	12.3	1410	4320	199	350	7.8	1790	5440	
A 35 2_8.5	8.5	331	286	10.5	1450	4650	165	360	6.6	1830	5850	
A 35 2_9.3	9.3	301	302	10.1	1450	4760	150	380	6.4	1830	6000	
A 35 2_10.6	10.6	263	310	9.1	1440	5010	132	390	5.7	1830	6310	
A 35 2_11.8	11.8	238	317	8.4	1480	5200	119	400	5.3	1860	6550	
A 35 2_13.1	13.1	214	400	10.9	1630	4470	107	550	6.6	2100	5780	
A 35 2_15.5	15.5	181	430	10.0	1620	4670	90	570	5.7	2120	6190	
A 35 2_17.0	17.0	165	465	9.7	1620	4730	83	600	5.5	2130	6310	
A 35 2_20.4	20.4	137	500	8.4	1630	5080	69	600	4.6	2170	6930	
A 35 2_22.5	22.5	125	540	7.8	1660	5290	62	600	4.2	2200	7260	
A 35 2_25.7	25.7	109	585	7.1	1640	5540	55	600	3.6	2200	7740	
A 35 2_28.4	28.4	98	600	6.6	1660	5760	49	600	3.3	2200	8130	
A 35 2_33.2	33.2	84	600	5.6	910	6240	42	600	2.8	2200	8730	
A 35 2_36.6	36.6	76	600	5.1	1080	6560	38	600	2.6	2200	9140	
A 35 2_41.8	41.8	67	600	4.5	1140	7010	34	600	2.2	2200	9700	
A 35 2_45.8	45.8	61	600	4.1	1260	7330	31	600	2.0	2200	10100	
A 35 2_49.1	49.1	57	600	3.8	1260	7580	28.5	600	1.9	2200	10400	
A 35 2_54.3	54.3	52	600	3.4	1360	7950	25.8	600	1.7	2200	10900	277
A 35 2_60.4	60.4	46	600	3.1	1470	8360	23.2	600	1.6	2200	11400	
A 35 2_65.8	65.8	43	600	2.8	1470	8700	21.3	600	1.4	2200	11800	
A 35 2_74.3	74.3	38	600	2.5	1560	9200	18.8	600	1.3	2200	12000	
A 35 2_82.5	82.5	34	600	2.3	1560	9650	17.0	600	1.1	2200	12000	
A 35 2_95.6	95.6	29.3	540	1.8	1860	10600	14.6	540	0.88	2200	12000	
A 35 3_105.5	105.5	26.5	430	1.3	550	12000	13.3	525	0.80	780	12000	
A 35 3_116.9	116.9	24.0	455	1.3	650	12000	12.0	560	0.77	870	12000	
A 35 3_136.3	136.3	20.5	470	1.1	870	12000	10.3	575	0.68	1110	12000	
A 35 3_150.6	150.6	18.6	495	1.1	900	12000	9.3	600	0.64	1160	12000	
A 35 3_171.8	171.8	16.3	505	0.95	960	12000	8.1	600	0.56	1250	12000	
A 35 3_188.3	188.3	14.9	525	0.90	990	12000	7.4	600	0.51	1300	12000	
A 35 3_201.8	201.8	13.9	525	0.84	1020	12000	6.9	600	0.48	1300	12000	
A 35 3_223.2	223.2	12.5	545	0.79	1050	12000	6.3	600	0.43	1300	12000	
A 35 3_248.1	248.1	11.3	565	0.73	1080	12000	5.6	600	0.39	1300	12000	
A 35 3_270.7	270.7	10.3	570	0.68	1110	12000	5.2	600	0.36	1300	12000	
A 35 3_305.4	305.4	9.2	585	0.62	1140	12000	4.6	600	0.32	1300	12000	
A 35 3_339.3	339.3	8.3	520	0.49	1210	12000	4.1	520	0.25	1300	12000	
A 35 3_393.2	393.2	7.1	465	0.38	1260	12000	3.6	465	0.19	1300	12000	



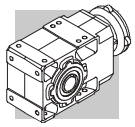
A 35 — 600 Nm

	i	n_1 = 900 min^{-1}					n_1 = 500 min^{-1}					
		n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	
A 35 2_5.4	5.4	166	340	6.3	2150	5940	92	340	3.5	2200	7600	
A 35 2_6.4	6.4	140	350	5.5	2190	6340	78	350	3.0	2200	8090	
A 35 2_7.0	7.0	128	370	5.3	2200	6490	71	370	2.9	2200	8290	
A 35 2_8.5	8.5	106	380	4.5	2200	6970	59	380	2.5	2200	8890	
A 35 2_9.3	9.3	97	400	4.3	2200	7160	54	400	2.4	2200	9140	
A 35 2_10.6	10.6	85	400	3.8	2200	7570	47	400	2.1	2200	9650	
A 35 2_11.8	11.8	76	400	3.4	2200	7910	42	400	1.9	2200	10100	
A 35 2_13.1	13.1	69	600	4.6	2200	6910	38	600	2.6	2200	9140	
A 35 2_15.5	15.5	58	600	3.9	2090	7510	32	600	2.2	2200	9860	
A 35 2_17.0	17.0	53	600	3.5	2200	7840	29.5	600	2.0	2200	10300	
A 35 2_20.4	20.4	44	600	2.9	2200	8560	24.5	600	1.6	2200	11100	
A 35 2_22.5	22.5	40	600	2.7	2200	8950	22.2	600	1.5	2200	11600	
A 35 2_25.7	25.7	35	600	2.3	2200	9500	19.5	600	1.3	2200	12000	
A 35 2_28.4	28.4	32	600	2.1	2200	9950	17.6	600	1.2	2200	12000	
A 35 2_33.2	33.2	27.1	600	1.8	2200	10700	15.1	600	1.0	2200	12000	
A 35 2_36.6	36.6	24.6	600	1.6	2200	11100	13.7	600	0.91	2200	12000	
A 35 2_41.8	41.8	21.5	600	1.4	2200	11800	12.0	600	0.80	2200	12000	
A 35 2_45.8	45.8	19.6	600	1.3	2200	12000	10.9	600	0.73	2200	12000	
A 35 2_49.1	49.1	18.3	600	1.2	2200	12000	10.2	600	0.68	2200	12000	
A 35 2_54.3	54.3	16.6	600	1.1	2200	12000	9.2	600	0.62	2200	12000	277
A 35 2_60.4	60.4	14.9	600	1.0	2200	12000	8.3	600	0.55	2200	12000	
A 35 2_65.8	65.8	13.7	600	0.91	2200	12000	7.6	600	0.51	2200	12000	
A 35 2_74.3	74.3	12.1	600	0.81	2200	12000	6.7	600	0.45	2200	12000	
A 35 2_82.5	82.5	10.9	600	0.73	2200	12000	6.1	600	0.40	2200	12000	
A 35 2_95.6	95.6	9.4	540	0.57	2200	12000	5.2	540	0.31	2200	12000	
A 35 3_105.5	105.5	8.5	600	0.59	940	12000	4.7	600	0.33	1300	12000	
A 35 3_116.9	116.9	7.7	600	0.53	1230	12000	4.3	600	0.30	1300	12000	
A 35 3_136.3	136.3	6.6	600	0.46	1300	12000	3.7	600	0.25	1300	12000	
A 35 3_150.6	150.6	6.0	600	0.41	1300	12000	3.3	600	0.23	1300	12000	
A 35 3_171.8	171.8	5.2	600	0.36	1300	12000	2.9	600	0.20	1300	12000	
A 35 3_188.3	188.3	4.8	600	0.33	1300	12000	2.7	600	0.18	1300	12000	
A 35 3_201.8	201.8	4.5	600	0.31	1300	12000	2.5	600	0.17	1300	12000	
A 35 3_223.2	223.2	4.0	600	0.28	1300	12000	2.2	600	0.15	1300	12000	
A 35 3_248.1	248.1	3.6	600	0.25	1300	12000	2.0	600	0.14	1300	12000	
A 35 3_270.7	270.7	3.3	600	0.23	1300	12000	1.8	600	0.13	1300	12000	
A 35 3_305.4	305.4	2.9	600	0.20	1300	12000	1.6	600	0.11	1300	12000	
A 35 3_339.3	339.3	2.7	520	0.16	1300	12000	1.5	520	0.09	1300	12000	
A 35 3_393.2	393.2	2.3	465	0.12	1300	12000	1.3	465	0.07	1300	12000	



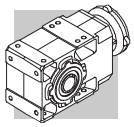
A 41 — 850 Nm

	i	n_1 = 2800 min^{-1}					n_1 = 1400 min^{-1}					
		n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	
A 41 2_5.2	5.2	534	450	27	1790	4350	267	550	16.4	2450	5560	
A 41 2_7.1	7.1	393	490	22	1890	4850	197	550	12.0	2670	6430	
A 41 2_8.3	8.3	336	510	19.1	1900	5140	168	550	10.3	2750	6920	
A 41 2_9.2	9.2	304	530	18.0	1980	5300	152	550	9.3	2860	7240	
A 41 2_10.1	10.1	276	435	13.4	2680	6030	138	535	8.2	3390	7650	
A 41 2_11.7	11.7	238	550	14.6	2050	5870	119	550	7.3	2950	8070	
A 41 2_13.8	13.8	204	480	10.9	2690	6680	102	585	6.6	3430	8510	
A 41 2_16.1	16.1	174	500	9.7	2700	7070	87	610	5.9	3430	9000	
A 41 2_17.8	17.8	158	515	9.0	2730	7310	79	630	5.5	3470	9300	
A 41 2_22.7	22.7	123	550	7.6	2730	7970	62	680	4.7	3460	10100	
A 41 2_28.3	28.3	99	595	6.6	2670	8570	49	730	4.0	3450	10900	
A 41 2_35.9	35.9	78	635	5.5	2590	9320	39	780	3.4	3410	11800	
A 41 2_45.1	45.1	62	680	4.7	2500	10100	31	830	2.9	3330	12800	
A 41 2_48.3	48.3	58	690	4.5	2430	10300	29.0	850	2.7	3200	13100	
A 41 2_53.1	53.1	53	700	4.1	2470	10700	26.3	850	2.5	3330	13700	
A 41 2_58.8	58.8	48	730	3.9	2390	11100	23.8	850	2.3	3460	14300	281
A 41 2_64.2	64.2	44	740	3.6	2320	11500	21.8	850	2.1	3460	14800	
A 41 2_71.3	71.3	39	780	3.4	2120	11800	19.6	850	1.9	3470	15000	
A 41 2_79.2	79.2	35	800	3.1	1990	12300	17.7	800	1.6	3500	15000	
A 41 3_92.8	92.8	30	650	2.3	270	14000	15.1	800	1.4	430	15000	
A 41 3_115.9	115.9	24.2	800	2.2	310	14600	12.1	850	1.2	980	15000	
A 41 3_146.9	146.9	19.1	850	1.9	790	15000	9.5	850	0.93	1640	15000	
A 41 3_184.4	184.4	15.2	850	1.5	1290	15000	7.6	850	0.74	1770	15000	
A 41 3_197.5	197.5	14.2	850	1.4	1360	15000	7.1	850	0.69	1790	15000	
A 41 3_217.4	217.4	12.9	850	1.3	1390	15000	6.4	850	0.63	1820	15000	
A 41 3_240.6	240.6	11.6	850	1.1	1410	15000	5.8	850	0.57	1840	15000	
A 41 3_262.5	262.5	10.7	850	1.0	1430	15000	5.3	850	0.52	1860	15000	
A 41 3_291.7	291.7	9.6	850	0.94	1450	15000	4.8	850	0.47	1880	15000	
A 41 3_324.2	324.2	8.6	850	0.84	1470	15000	4.3	850	0.42	1900	15000	
A 41 3_376.8	376.8	7.4	850	0.73	1500	15000	3.7	850	0.36	1930	15000	



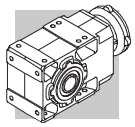
A 41 — 850 Nm

	i	n_1 = 900 min^{-1}					n_1 = 500 min^{-1}					
		n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	
A 41 2_5.2	5.2	172	550	10.5	3140	6850	95	550	5.8	3500	8900	
A 41 2_7.1	7.1	126	550	7.7	3360	7870	70	550	4.3	3500	10100	
A 41 2_8.3	8.3	108	550	6.6	3440	8430	60	550	3.7	3500	10800	
A 41 2_9.2	9.2	98	550	6.0	3500	8800	54	550	3.3	3500	11300	
A 41 2_10.1	10.1	89	610	6.0	3500	8920	49	730	4.0	3500	10900	
A 41 2_11.7	11.7	77	550	4.7	3500	9760	43	550	2.6	3500	12400	
A 41 2_13.8	13.8	65	670	4.9	3500	9900	36	800	3.2	3500	12100	
A 41 2_16.1	16.1	56	700	4.4	3500	10500	31	830	2.9	3500	12800	
A 41 2_17.8	17.8	51	720	4.1	3500	10800	28.1	850	2.7	3500	13300	
A 41 2_22.7	22.7	40	780	3.4	3500	11700	22.0	850	2.1	3500	14800	
A 41 2_28.3	28.3	32	830	2.9	3500	12700	17.7	850	1.7	3500	15000	
A 41 2_35.9	35.9	25.1	850	2.4	3500	14000	13.9	850	1.3	3500	15000	
A 41 2_45.1	45.1	20.0	850	1.9	3500	15000	11.1	850	1.1	3500	15000	
A 41 2_48.3	48.3	18.6	850	1.8	3500	15000	10.4	850	0.98	3500	15000	
A 41 2_53.1	53.1	16.9	850	1.6	3500	15000	9.4	850	0.89	3500	15000	
A 41 2_58.8	58.8	15.3	850	1.4	3500	15000	8.5	850	0.81	3500	15000	281
A 41 2_64.2	64.2	14.0	850	1.3	3300	15000	7.8	850	0.74	3500	15000	
A 41 2_71.3	71.3	12.6	850	1.2	3500	15000	7.0	850	0.66	3500	15000	
A 41 2_79.2	79.2	11.4	800	1.0	3500	15000	6.3	800	0.56	3500	15000	
A 41 3_92.8	92.8	9.7	800	0.89	1080	15000	5.4	800	0.50	2110	15000	
A 41 3_115.9	115.9	7.8	850	0.76	1630	15000	4.3	850	0.42	2200	15000	
A 41 3_146.9	146.9	6.1	850	0.60	2020	15000	3.4	850	0.33	2200	15000	
A 41 3_184.4	184.4	4.9	850	0.48	2100	15000	2.7	850	0.27	2200	15000	
A 41 3_197.5	197.5	4.6	850	0.45	2120	15000	2.5	850	0.25	2200	15000	
A 41 3_217.4	217.4	4.1	850	0.40	2150	15000	2.3	850	0.22	2200	15000	
A 41 3_240.6	240.6	3.7	850	0.37	2170	15000	2.1	850	0.20	2200	15000	
A 41 3_262.5	262.5	3.4	850	0.34	2190	15000	1.9	850	0.19	2200	15000	
A 41 3_291.7	291.7	3.1	850	0.30	2200	15000	1.7	850	0.17	2200	15000	
A 41 3_324.2	324.2	2.8	850	0.27	2200	15000	1.5	850	0.15	2200	15000	
A 41 3_376.8	376.8	2.4	850	0.23	2200	15000	1.3	850	0.13	2200	15000	



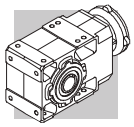
A 50 — 1500 Nm

	i	n_1 = 2800 min^{-1}					n_1 = 1400 min^{-1}					
		n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	
A 50 2_7.7	7.7	362	550	22	2300	7920	181	700	14.1	2890	9960	
A 50 2_9.7	9.7	288	600	19.2	2330	8530	144	750	12.0	2950	10800	
A 50 2_13.1	13.1	214	600	14.3	2460	9600	107	750	8.9	3110	12100	
A 50 2_16.6	16.6	169	640	12.0	2490	10400	84	800	7.5	3150	13100	
A 50 2_20.9	20.9	134	640	9.5	2540	11400	67	800	6.0	3210	14400	
A 50 3_24.0	24.0	116	1150	15.4	1850	7020	58	1500	10.0	2100	8540	
A 50 3_26.4	26.4	106	1200	14.6	2100	7170	53	1500	9.1	2690	9100	
A 50 3_32.4	32.4	86	1290	12.8	1800	4630	43	1500	7.5	2760	10400	
A 50 3_35.6	35.6	79	1340	12.1	2080	7830	39	1500	6.8	3290	11000	
A 50 3_40.9	40.9	68	1415	11.1	1740	8130	34	1500	5.9	3220	11900	
A 50 3_45.0	45.0	62	1470	10.5	2030	8340	31	1500	5.4	3440	12600	
A 50 3_51.7	51.7	54	1500	9.4	1680	8970	27.1	1500	4.7	3400	13600	
A 50 3_56.8	56.8	49	1500	8.5	2150	9540	24.6	1500	4.3	3480	14400	
A 50 3_63.9	63.9	44	1500	7.6	1900	10300	21.9	1500	3.8	3450	15300	
A 50 3_70.2	70.2	40	1500	6.9	2350	10900	19.9	1500	3.4	3500	16100	
A 50 3_81.5	81.5	34	1500	5.9	2170	11900	17.2	1500	3.0	3500	17300	
A 50 3_89.5	89.5	31	1500	5.4	2590	12600	15.6	1500	2.7	3500	18200	
A 50 3_99.5	99.5	28.1	1500	4.9	2260	13400	14.1	1500	2.4	3500	19200	
A 50 3_109.4	109.4	25.6	1500	4.4	2680	14100	12.8	1500	2.2	3500	20000	
A 50 3_118.0	118.0	23.7	1500	4.1	2390	14700	11.9	1500	2.0	3500	20000	285
A 50 3_129.7	129.7	21.6	1500	3.7	2720	15400	10.8	1500	1.9	3500	20000	
A 50 3_140.6	140.6	19.9	1500	3.4	2440	16100	10.0	1500	1.7	3500	20000	
A 50 3_154.6	154.6	18.1	1500	3.1	2730	16900	9.1	1500	1.6	3500	20000	
A 50 3_173.4	173.4	16.2	1500	2.8	2480	17900	8.1	1500	1.4	3500	20000	
A 50 3_190.6	190.6	14.7	1500	2.5	2740	18800	7.3	1500	1.3	3500	20000	
A 50 4_211.0	211.0	13.3	1500	2.3	1930	20000	6.6	1500	1.2	2200	20000	
A 50 4_232.0	232.0	12.1	1500	2.1	1970	20000	6.0	1500	1.1	2200	20000	
A 50 4_260.9	260.9	10.7	1500	1.9	2010	20000	5.4	1500	0.95	2200	20000	
A 50 4_286.8	286.8	9.8	1500	1.7	2040	20000	4.9	1500	0.86	2200	20000	
A 50 4_332.6	332.6	8.4	1500	1.5	2080	20000	4.2	1500	0.74	2200	20000	
A 50 4_365.6	365.6	7.7	1500	1.4	2100	20000	3.8	1500	0.68	2200	20000	
A 50 4_406.4	406.4	6.9	1500	1.2	2130	20000	3.4	1500	0.61	2200	20000	
A 50 4_446.8	446.8	6.3	1500	1.1	2140	20000	3.1	1500	0.55	2200	20000	
A 50 4_481.6	481.6	5.8	1500	1.0	2160	20000	2.9	1500	0.51	2200	20000	
A 50 4_529.5	529.5	5.3	1500	0.93	2170	20000	2.6	1500	0.47	2200	20000	
A 50 4_574.2	574.2	4.9	1500	0.86	2190	20000	2.4	1500	0.43	2200	20000	
A 50 4_631.2	631.2	4.4	1500	0.78	2200	20000	2.2	1500	0.39	2200	20000	
A 50 4_707.9	707.9	4.0	1500	0.70	2200	20000	2.0	1500	0.35	2200	20000	
A 50 4_778.2	778.2	3.6	1500	0.63	2200	20000	1.8	1500	0.32	2200	20000	



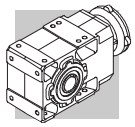
A 50 — 1500 Nm

	i	n_1 = 900 min^{-1}					n_1 = 500 min^{-1}					
		n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	
A 50 2_7.7	7.7	116	770	10.0	3430	11700	65	900	6.5	3500	14300	
A 50 2_9.7	9.7	92	830	8.5	3490	12600	51	1000	5.7	3500	15300	
A 50 2_13.1	13.1	69	830	6.3	3500	14200	38	1000	4.2	3500	17300	
A 50 2_16.6	16.6	54	880	5.3	3500	15400	30	1000	3.4	3500	18900	
A 50 2_20.9	20.9	43	880	4.2	3500	16800	23.9	1000	2.7	3500	20000	
A 50 3_24.0	24.0	37	1500	6.5	3480	11300	20.8	1500	3.6	3500	15700	
A 50 3_26.4	26.4	34	1500	5.9	3500	12000	18.9	1500	3.3	3500	16500	
A 50 3_32.4	32.4	27.8	1500	4.8	3500	13400	15.4	1500	2.7	3500	18300	
A 50 3_35.6	35.6	25.3	1500	4.4	3500	14200	14.0	1500	2.4	3500	19200	
A 50 3_40.9	40.9	22.0	1500	3.8	3500	15300	12.2	1500	2.1	3500	20000	
A 50 3_45.0	45.0	20.0	1500	3.5	3500	16000	11.1	1500	1.9	3500	20000	
A 50 3_51.7	51.7	17.4	1500	3.0	3450	17200	9.7	1500	1.7	3500	20000	
A 50 3_56.8	56.8	15.8	1500	2.7	3500	18100	8.8	1500	1.5	3500	20000	
A 50 3_63.9	63.9	14.1	1500	2.4	3500	19200	7.8	1500	1.4	3500	20000	
A 50 3_70.2	70.2	12.8	1500	2.2	3500	20000	7.1	1500	1.2	3500	20000	
A 50 3_81.5	81.5	11.0	1500	1.9	3500	20000	6.1	1500	1.1	3500	20000	
A 50 3_89.5	89.5	10.1	1500	1.7	3500	20000	5.6	1500	0.96	3500	20000	
A 50 3_99.5	99.5	9.0	1500	1.6	3500	20000	5.0	1500	0.87	3500	20000	
A 50 3_109.4	109.4	8.2	1500	1.4	3500	20000	4.6	1500	0.79	3500	20000	
A 50 3_118.0	118.0	7.6	1500	1.3	3500	20000	4.2	1500	0.73	3500	20000	285
A 50 3_129.7	129.7	6.9	1500	1.2	3500	20000	3.9	1500	0.67	3500	20000	
A 50 3_140.6	140.6	6.4	1500	1.1	3500	20000	3.6	1500	0.61	3500	20000	
A 50 3_154.6	154.6	5.8	1500	1.0	3500	20000	3.2	1500	0.56	3500	20000	
A 50 3_173.4	173.4	5.2	1500	0.90	3500	20000	2.9	1500	0.50	3500	20000	
A 50 3_190.6	190.6	4.7	1500	0.82	3500	20000	2.6	1500	0.45	3500	20000	
A 50 4_211.0	211.0	4.3	1500	0.75	2200	20000	2.4	1500	0.42	2200	20000	
A 50 4_232.0	232.0	3.9	1500	0.68	2200	20000	2.2	1500	0.38	2200	20000	
A 50 4_260.9	260.9	3.4	1500	0.61	2200	20000	1.9	1500	0.34	2200	20000	
A 50 4_286.8	286.8	3.1	1500	0.55	2200	20000	1.7	1500	0.31	2200	20000	
A 50 4_332.6	332.6	2.7	1500	0.48	2200	20000	1.5	1500	0.27	2200	20000	
A 50 4_365.6	365.6	2.5	1500	0.43	2200	20000	1.4	1500	0.24	2200	20000	
A 50 4_406.4	406.4	2.2	1500	0.39	2200	20000	1.2	1500	0.22	2200	20000	
A 50 4_446.8	446.8	2.0	1500	0.36	2200	20000	1.1	1500	0.20	2200	20000	
A 50 4_481.6	481.6	1.9	1500	0.33	2200	20000	1.0	1500	0.18	2200	20000	
A 50 4_529.5	529.5	1.7	1500	0.30	2200	20000	0.94	1500	0.17	2200	20000	
A 50 4_574.2	574.2	1.6	1500	0.28	2200	20000	0.87	1500	0.15	2200	20000	
A 50 4_631.2	631.2	1.4	1500	0.25	2200	20000	0.79	1500	0.14	2200	20000	
A 50 4_707.9	707.9	1.3	1500	0.22	2200	20000	0.71	1500	0.12	2200	20000	
A 50 4_778.2	778.2	1.2	1500	0.20	2200	20000	0.64	1500	0.11	2200	20000	



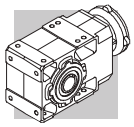
A 55 — 2000 Nm

	i	n_1 = 2800 min^{-1}					n_1 = 1400 min^{-1}					
		n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	
A 55 2_4.9	4.9	571	760	48	1320	15100	286	900	28	2150	18700	
A 55 2_6.4	6.4	438	800	39	1950	16400	219	950	23	2860	20300	
A 55 2_8.5	8.5	329	800	30	2810	18000	165	950	17.5	3500	22200	
A 55 2_10.4	10.4	269	840	25	2900	19100	135	1000	15.1	3500	23600	
A 55 2_13.1	13.1	214	840	20	3230	20600	107	1000	11.9	3500	25500	
A 55 2_15.7	15.7	178	840	16.7	3440	21900	89	1000	9.9	3500	27000	
A 55 2_19.2	19.2	146	925	15.0	3160	23200	73	1100	8.9	3500	28600	
A 55 3_23.8	23.8	118	1600	22	2050	21000	59	1950	13.2	2640	26000	
A 55 3_29.9	29.9	94	1700	18.3	2110	22500	47	2000	10.8	2770	28200	
A 55 3_40.3	40.3	69	1850	14.8	2150	24800	35	2000	8.0	2930	30000	
A 55 3_51.0	51.0	55	2000	12.6	2170	26500	27.5	2000	6.3	3050	30000	
A 55 3_64.3	64.3	44	2000	10.0	2230	29000	21.8	2000	5.0	3110	30000	
A 55 3_79.5	79.5	35	2000	8.1	1040	30000	17.6	2000	4.1	2820	30000	
A 55 3_101.4	101.4	27.6	2000	6.4	1340	30000	13.8	2000	3.2	3130	30000	
A 55 3_123.9	123.9	22.6	2000	5.2	1450	30000	11.3	2000	2.6	3230	30000	289
A 55 3_132.7	132.7	21.1	2000	4.9	1450	30000	10.6	2000	2.4	3240	30000	
A 55 3_146.8	146.8	19.1	2000	4.4	1610	30000	9.5	2000	2.2	3290	30000	
A 55 3_160.4	160.4	17.5	2000	4.0	1660	30000	8.7	2000	2.0	3300	30000	
A 55 3_175.0	175.0	16.0	2000	3.7	1660	30000	8.0	2000	1.8	3300	30000	
A 55 3_194.2	194.2	14.4	2000	3.3	1710	30000	7.2	2000	1.7	3310	30000	
A 55 4_208.1	208.1	13.5	1600	2.5	1890	30000	6.7	1950	1.5	2200	30000	
A 55 4_262.6	262.6	10.7	1650	2.1	1980	30000	5.3	2000	1.3	2200	30000	
A 55 4_324.7	324.7	8.6	1750	1.8	2030	30000	4.3	2000	1.0	2200	30000	
A 55 4_414.0	414.0	6.8	1850	1.5	2080	30000	3.4	2000	0.80	2200	30000	
A 55 4_505.9	505.9	5.5	1900	1.2	2120	30000	2.8	2000	0.65	2200	30000	
A 55 4_542.0	542.0	5.2	1900	1.2	2140	30000	2.6	2000	0.61	2200	30000	
A 55 4_599.5	599.5	4.7	1950	1.1	2150	30000	2.3	2000	0.55	2200	30000	
A 55 4_655.1	655.1	4.3	1950	1.0	2180	30000	2.1	2000	0.50	2200	30000	
A 55 4_714.7	714.7	3.9	1950	0.90	2200	30000	2.0	2000	0.46	2200	30000	
A 55 4_793.0	793.0	3.5	2000	0.83	2200	30000	1.8	2000	0.42	2200	30000	



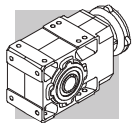
A 55 — 2000 Nm

	i	n_1 = 900 min^{-1}					n_1 = 500 min^{-1}					
		n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	
A 55 2_4.9	4.9	184	1000	20	2850	21400	102	1160	13.1	3500	25600	
A 55 2_6.4	6.4	141	1060	16.6	3500	23200	78	1230	10.7	3500	27700	
A 55 2_8.5	8.5	106	1060	12.6	3500	25400	59	1230	8.1	3500	30000	
A 55 2_10.4	10.4	87	1120	10.8	3500	27000	48	1290	6.9	3500	30000	
A 55 2_13.1	13.1	69	1120	8.6	3500	29100	38	1290	5.5	3500	30000	
A 55 2_15.7	15.7	57	1120	7.2	3500	30000	32	1290	4.6	3500	30000	
A 55 2_19.2	19.2	47	1230	6.4	3500	30000	26.0	1420	4.1	3500	30000	
A 55 3_23.8	23.8	38	2000	8.7	3280	30000	21.0	2000	4.8	3500	30000	
A 55 3_29.9	29.9	30	2000	6.9	3450	30000	16.7	2000	3.8	3500	30000	
A 55 3_40.3	40.3	22.3	2000	5.1	3500	30000	12.4	2000	2.9	3500	30000	
A 55 3_51.0	51.0	17.6	2000	4.1	3500	30000	9.8	2000	2.3	3500	30000	
A 55 3_64.3	64.3	14.0	2000	3.2	3500	30000	7.8	2000	1.8	3500	30000	
A 55 3_79.5	79.5	11.3	2000	2.6	3500	30000	6.3	2000	1.4	3500	30000	
A 55 3_101.4	101.4	8.9	2000	2.0	3500	30000	4.9	2000	1.1	3500	30000	
A 55 3_123.9	123.9	7.3	2000	1.7	3500	30000	4.0	2000	0.93	3500	30000	289
A 55 3_132.7	132.7	6.8	2000	1.6	3500	30000	3.8	2000	0.87	3500	30000	
A 55 3_146.8	146.8	6.1	2000	1.4	3500	30000	3.4	2000	0.78	3500	30000	
A 55 3_160.4	160.4	5.6	2000	1.3	3500	30000	3.1	2000	0.72	3500	30000	
A 55 3_175.0	175.0	5.1	2000	1.2	3500	30000	2.9	2000	0.66	3500	30000	
A 55 3_194.2	194.2	4.6	2000	1.1	3500	30000	2.6	2000	0.59	3500	30000	
A 55 4_208.1	208.1	4.3	2000	1.0	2200	30000	2.4	2000	0.57	2200	30000	
A 55 4_262.6	262.6	3.4	2000	0.81	2200	30000	1.9	2000	0.45	2200	30000	
A 55 4_324.7	324.7	2.8	2000	0.65	2200	30000	1.5	2000	0.36	2200	30000	
A 55 4_414.0	414.0	2.2	2000	0.51	2200	30000	1.2	2000	0.28	2200	30000	
A 55 4_505.9	505.9	1.8	2000	0.42	2200	30000	1.0	2000	0.23	2200	30000	
A 55 4_542.0	542.0	1.7	2000	0.39	2200	30000	0.92	2000	0.22	2200	30000	
A 55 4_599.5	599.5	1.5	2000	0.35	2200	30000	0.83	2000	0.20	2200	30000	
A 55 4_655.1	655.1	1.4	2000	0.32	2200	30000	0.76	2000	0.18	2200	30000	
A 55 4_714.7	714.7	1.3	2000	0.30	2200	30000	0.70	2000	0.16	2200	30000	
A 55 4_793.0	793.0	1.1	2000	0.27	2200	30000	0.63	2000	0.15	2200	30000	



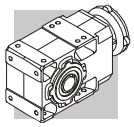
A 60 — 2800 Nm

	i	n_1 = 2800 min^{-1}					n_1 = 1400 min^{-1}					
		n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	
A 60 2_7.9	7.9	356	950	38	2770	22500	178	1200	24	3400	27700	
A 60 2_10.3	10.3	271	950	29	2970	24600	136	1200	18.1	3740	30000	
A 60 2_12.7	12.7	220	1000	25	3020	26200	110	1250	15.3	3810	30000	
A 60 2_16.7	16.7	167	1050	19.6	3080	28600	84	1300	12.1	3910	30000	
A 60 2_20.6	20.6	136	1100	16.7	3100	30000	68	1400	10.6	3890	30000	
A 60 3_25.7	25.7	109	2760	35	2380	26900	54	2800	17.5	3800	30000	
A 60 3_27.9	27.9	101	2800	32	2780	27700	50	2800	16.2	3930	30000	
A 60 3_31.7	31.7	88	2800	29	2790	29000	44	2800	14.2	3940	30000	
A 60 3_34.3	34.3	82	2800	26	2920	30000	41	2800	13.2	4060	30000	
A 60 3_41.7	41.7	67	2800	22	2940	30000	34	2800	10.8	4090	30000	
A 60 3_45.2	45.2	62	2800	20	3060	30000	31	2800	10.0	4200	30000	
A 60 3_51.3	51.3	55	2800	17.6	3030	30000	27.3	2800	8.8	4180	30000	
A 60 3_55.6	55.6	50	2800	16.2	3140	30000	25.2	2800	8.1	4280	30000	
A 60 3_65.0	65.0	43	2800	13.9	3110	30000	21.5	2800	6.9	4260	30000	
A 60 3_70.4	70.4	40	2800	12.8	3210	30000	19.9	2800	6.4	4360	30000	
A 60 3_79.7	79.7	35	2800	11.3	3160	30000	17.6	2800	5.7	4310	30000	
A 60 3_86.4	86.4	32	2800	10.4	3260	30000	16.2	2800	5.2	4410	30000	
A 60 3_99.5	99.5	28.1	2800	9.1	3210	30000	14.1	2800	4.5	4360	30000	
A 60 3_107.8	107.8	26.0	2800	8.4	3300	30000	13.0	2800	4.2	4450	30000	
A 60 3_123.0	123.0	22.8	2800	7.3	3250	30000	11.4	2800	3.7	4400	30000	293
A 60 3_133.3	133.3	21.0	2800	6.8	3340	30000	10.5	2800	3.4	4490	30000	
A 60 3_144.0	144.0	19.4	2800	6.3	3280	30000	9.7	2800	3.1	4420	30000	
A 60 3_156.0	156.0	17.9	2800	5.8	3360	30000	9.0	2800	2.9	4510	30000	
A 60 3_171.5	171.5	16.3	2800	5.3	3290	30000	8.2	2800	2.6	4430	30000	
A 60 3_185.8	185.8	15.1	2800	4.9	3370	30000	7.5	2800	2.4	4520	30000	
A 60 4_208.7	208.7	13.4	2800	4.4	2720	30000	6.7	2800	2.2	3500	30000	
A 60 4_226.1	226.1	12.4	2800	4.1	2770	30000	6.2	2800	2.0	3500	30000	
A 60 4_264.3	264.3	10.6	2800	3.5	2860	30000	5.3	2800	1.7	3500	30000	
A 60 4_286.3	286.3	9.8	2800	3.2	2900	30000	4.9	2800	1.6	3500	30000	
A 60 4_324.2	324.2	8.6	2800	2.8	2960	30000	4.3	2800	1.4	3500	30000	
A 60 4_351.2	351.2	8.0	2800	2.6	2990	30000	4.0	2800	1.3	3500	30000	
A 60 4_404.7	404.7	6.9	2800	2.3	3050	30000	3.5	2800	1.1	3500	30000	
A 60 4_438.4	438.4	6.4	2800	2.1	3070	30000	3.2	2800	1.1	3500	30000	
A 60 4_500.3	500.3	5.6	2800	1.8	3110	30000	2.8	2800	0.92	3500	30000	
A 60 4_542.0	542.0	5.2	2800	1.7	3140	30000	2.6	2800	0.85	3500	30000	
A 60 4_585.8	585.8	4.8	2800	1.6	3150	30000	2.4	2800	0.79	3500	30000	
A 60 4_634.6	634.6	4.4	2800	1.5	3170	30000	2.2	2800	0.73	3500	30000	
A 60 4_697.3	697.3	4.0	2800	1.3	3190	30000	2.0	2800	0.66	3500	30000	
A 60 4_755.4	755.4	3.7	2800	1.2	3210	30000	1.9	2800	0.61	3500	30000	



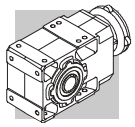
A 60 — 2800 Nm

	i	n_1 = 900 min^{-1}					n_1 = 500 min^{-1}					
		n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	
A 60 2_7.9	7.9	114	1300	16.6	4190	30000	64	1550	11.0	4700	30000	
A 60 2_10.3	10.3	87	1300	12.6	4470	30000	48	1550	8.4	4700	30000	
A 60 2_12.7	12.7	71	1400	11.0	4490	30000	39	1700	7.5	4700	30000	
A 60 2_16.7	16.7	54	1450	8.7	4610	30000	29.9	1700	5.7	4700	30000	
A 60 2_20.6	20.6	44	1550	7.5	4600	30000	24.3	1800	4.9	4700	30000	
A 60 3_25.7	25.7	35	2800	11.3	4680	30000	19.4	2800	6.3	4700	30000	
A 60 3_27.9	27.9	32	2800	10.4	4700	30000	18.0	2800	5.8	4700	30000	
A 60 3_31.7	31.7	28.4	2800	9.2	4700	30000	15.8	2800	5.1	4700	30000	
A 60 3_34.3	34.3	26.2	2800	8.5	4700	30000	14.6	2800	4.7	4700	30000	
A 60 3_41.7	41.7	21.6	2800	7.0	4700	30000	12.0	2800	3.9	4700	30000	
A 60 3_45.2	45.2	19.9	2800	6.4	4700	30000	11.1	2800	3.6	4700	30000	
A 60 3_51.3	51.3	17.5	2800	5.6	4700	30000	9.7	2800	3.1	4700	30000	
A 60 3_55.6	55.6	16.2	2800	5.2	4700	30000	9.0	2800	2.9	4700	30000	
A 60 3_65.0	65.0	13.8	2800	4.5	4700	30000	7.7	2800	2.5	4700	30000	
A 60 3_70.4	70.4	12.8	2800	4.1	4700	30000	7.1	2800	2.3	4700	30000	
A 60 3_79.7	79.7	11.3	2800	3.6	4700	30000	6.3	2800	2.0	4700	30000	
A 60 3_86.4	86.4	10.4	2800	3.4	4700	30000	5.8	2800	1.9	4700	30000	
A 60 3_99.5	99.5	9.0	2800	2.9	4700	30000	5.0	2800	1.6	4700	30000	
A 60 3_107.8	107.8	8.3	2800	2.7	4700	30000	4.6	2800	1.5	4700	30000	
A 60 3_123.0	123.0	7.3	2800	2.4	4700	30000	4.1	2800	1.3	4700	30000	293
A 60 3_133.3	133.3	6.8	2800	2.2	4700	30000	3.8	2800	1.2	4700	30000	
A 60 3_144.0	144.0	6.2	2800	2.0	4700	30000	3.5	2800	1.1	4700	30000	
A 60 3_156.0	156.0	5.8	2800	1.9	4700	30000	3.2	2800	1.0	4700	30000	
A 60 3_171.5	171.5	5.2	2800	1.7	4700	30000	2.9	2800	0.94	4700	30000	
A 60 3_185.8	185.8	4.8	2800	1.6	4700	30000	2.7	2800	0.87	4700	30000	
A 60 4_208.7	208.7	4.3	2800	1.4	3500	30000	2.4	2800	0.79	3500	30000	
A 60 4_226.1	226.1	4.0	2800	1.3	3500	30000	2.2	2800	0.73	3500	30000	
A 60 4_264.3	264.3	3.4	2800	1.1	3500	30000	1.9	2800	0.62	3500	30000	
A 60 4_286.3	286.3	3.1	2800	1.0	3500	30000	1.7	2800	0.58	3500	30000	
A 60 4_324.2	324.2	2.8	2800	0.91	3500	30000	1.5	2800	0.51	3500	30000	
A 60 4_351.2	351.2	2.6	2800	0.84	3500	30000	1.4	2800	0.47	3500	30000	
A 60 4_404.7	404.7	2.2	2800	0.73	3500	30000	1.2	2800	0.41	3500	30000	
A 60 4_438.4	438.4	2.1	2800	0.68	3500	30000	1.1	2800	0.38	3500	30000	
A 60 4_500.3	500.3	1.8	2800	0.59	3500	30000	1.0	2800	0.33	3500	30000	
A 60 4_542.0	542.0	1.7	2800	0.55	3500	30000	0.92	2800	0.30	3500	30000	
A 60 4_585.8	585.8	1.5	2800	0.51	3500	30000	0.85	2800	0.28	3500	30000	
A 60 4_634.6	634.6	1.4	2800	0.47	3500	30000	0.79	2800	0.26	3500	30000	
A 60 4_697.3	697.3	1.3	2800	0.43	3500	30000	0.72	2800	0.24	3500	30000	
A 60 4_755.4	755.4	1.2	2800	0.39	3500	30000	0.66	2800	0.22	3500	30000	



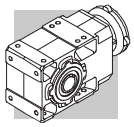
A 70 — 5000 Nm

	i	n_1 = 2800 min^{-1}					n_1 = 1400 min^{-1}					
		n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	
A 70 3_9.4	9.4	297	2300	79	1900	25900	148	2800	48	2550	31900	
A 70 3_10.2	10.2	274	2400	76	2480	26400	137	3200	50	1480	31900	
A 70 3_12.1	12.1	232	2400	64	2420	28000	116	3200	43	1400	33900	
A 70 3_13.1	13.1	214	2600	64	2420	28400	107	3350	41	2100	34600	
A 70 3_15.4	15.4	182	2700	56	2100	29900	91	3350	35	2430	36700	
A 70 3_16.7	16.7	168	2850	55	2500	30400	84	3600	35	2590	37200	
A 70 3_19.7	19.7	142	2900	48	2030	32100	71	3700	30	1790	39300	
A 70 3_21.3	21.3	131	3000	45	2750	32900	66	4000	30	1830	39800	
A 70 3_23.5	23.5	119	3500	48	4930	32900	60	4300	30	6250	40500	
A 70 3_27.8	27.8	101	3450	40	4960	35100	50	4200	24	6300	43300	
A 70 3_30.1	30.1	93	3700	40	4970	35600	47	4550	24	6300	43900	
A 70 3_35.4	35.4	79	3650	33	5040	37900	40	4500	21	6370	46600	
A 70 3_38.4	38.4	73	3950	33	5040	38400	36	4850	20	6380	47300	
A 70 3_45.2	45.2	62	3900	28	5050	40800	31	4800	17.1	6400	50000	
A 70 3_49.0	49.0	57	4250	28	5050	41300	28.6	5000	16.4	6450	50000	
A 70 3_53.2	53.2	53	4100	25	5030	42900	26.3	5000	15.1	6380	50000	
A 70 3_57.7	57.7	49	4450	25	5030	43400	24.3	5000	14.0	6490	50000	
A 70 3_66.9	66.9	42	4350	21	5050	46000	20.9	5000	12.0	6480	50000	
A 70 3_72.5	72.5	39	4750	21	5040	46500	19.3	5000	11.1	6580	50000	
A 70 3_79.3	79.3	35	4600	18.7	5020	48400	17.6	5000	10.2	6520	50000	
A 70 3_85.9	85.9	33	4950	18.6	5030	49100	16.3	5000	9.4	6620	50000	
A 70 3_96.2	96.2	29.1	4850	16.2	5000	50000	14.6	5000	8.4	6570	50000	
A 70 3_104.2	104.2	26.9	5000	15.5	5060	50000	13.4	5000	7.7	6660	50000	
A 70 3_120.6	120.6	23.2	5000	13.4	5010	50000	11.6	5000	6.7	6610	50000	
A 70 3_130.7	130.7	21.4	5000	12.3	5100	50000	10.7	5000	6.2	6690	50000	297
A 70 3_141.9	141.9	19.7	5000	11.4	5040	50000	9.9	5000	5.7	6640	50000	
A 70 3_153.7	153.7	18.2	3300	6.9	5410	50000	9.1	4050	4.2	6920	50000	
A 70 4_169.8	169.8	16.5	5000	9.7	1130	50000	8.2	5000	4.9	2520	50000	
A 70 4_183.9	183.9	15.2	5000	9.0	1450	50000	7.6	5000	4.5	2670	50000	
A 70 4_220.3	220.3	12.7	5000	7.5	1560	50000	6.4	5000	3.7	2710	50000	
A 70 4_238.6	238.6	11.7	5000	6.9	1860	50000	5.9	5000	3.5	2770	50000	
A 70 4_292.0	292.0	9.6	5000	5.6	1900	50000	4.8	5000	2.8	2790	50000	
A 70 4_316.4	316.4	8.9	5000	5.2	2110	50000	4.4	5000	2.6	2850	50000	
A 70 4_369.4	369.4	7.6	5000	4.5	2110	50000	3.8	5000	2.2	2840	50000	
A 70 4_400.2	400.2	7.0	5000	4.1	2160	50000	3.5	5000	2.1	2900	50000	
A 70 4_475.8	475.8	5.9	5000	3.5	2150	50000	2.9	5000	1.7	2890	50000	
A 70 4_515.4	515.4	5.4	5000	3.2	2200	50000	2.7	5000	1.6	2940	50000	
A 70 4_595.0	595.0	4.7	5000	2.8	2190	50000	2.4	5000	1.4	2920	50000	
A 70 4_644.6	644.6	4.3	5000	2.6	2230	50000	2.2	5000	1.3	2970	50000	
A 70 4_705.1	705.1	4.0	5000	2.3	2200	50000	2.0	5000	1.2	2940	50000	
A 70 4_763.9	763.9	3.7	5000	2.2	2250	50000	1.8	5000	1.1	2990	50000	
A 70 4_855.3	855.3	3.3	5000	1.9	2220	50000	1.6	5000	0.96	2960	50000	
A 70 4_926.5	926.5	3.0	5000	1.8	2270	50000	1.5	5000	0.89	3000	50000	
A 70 4_1072	1072	2.6	5000	1.5	2240	50000	1.3	5000	0.77	2970	50000	
A 70 4_1161	1161	2.4	5000	1.4	2280	50000	1.2	5000	0.71	3020	50000	
A 70 4_1242	1242	2.3	5000	1.3	2250	50000	1.1	5000	0.66	2980	50000	
A 70 4_1346	1346	2.1	5000	1.2	2290	50000	1.0	5000	0.61	3030	50000	
A 70 4_1583	1583	1.8	5000	1.0	2260	50000	0.88	5000	0.52	2990	50000	
A 70 4_1715	1715	1.6	5000	0.96	2300	50000	0.82	5000	0.48	3040	50000	



A 70 — 5000 Nm

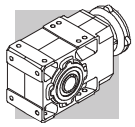
	i	n_1 = 900 min^{-1}					n_1 = 500 min^{-1}					
		n_2	M_{n2}	P_{n1}	R_{n1}	R_{n2}	n_2	M_{n2}	P_{n1}	R_{n1}	R_{n2}	
		min^{-1}	Nm	kW	N	N	min^{-1}	Nm	kW	N	N	
A 70 3_9.4	9.4	95	3000	33	4290	36900	53	3000	18.3	7000	45400	
A 70 3_10.2	10.2	88	3250	33	4290	37400	49	3250	18.3	7000	46100	
A 70 3_12.1	12.1	75	3650	31	1620	38700	41	3650	17.4	6470	47900	
A 70 3_13.1	13.1	69	3950	31	1650	39200	38	3950	17.4	6500	48600	
A 70 3_15.4	15.4	58	3700	25	3510	42200	32	3700	13.8	7000	50000	
A 70 3_16.7	16.7	54	4000	25	3560	42800	30	4000	13.8	7000	50000	
A 70 3_19.7	19.7	46	3700	19.5	4910	46100	25.4	3700	10.8	7000	50000	
A 70 3_21.3	21.3	42	4000	19.4	4950	46800	23.5	4000	10.8	7000	50000	
A 70 3_23.5	23.5	38	4900	21.6	7000	46300	21.3	5000	12.2	7000	50000	
A 70 3_27.8	27.8	32	4800	17.9	7000	49400	18.0	5000	10.4	7000	50000	
A 70 3_30.1	30.1	29.9	5000	17.2	7000	50000	16.6	5000	9.6	7000	50000	
A 70 3_35.4	35.4	25.4	5000	14.6	7000	50000	14.1	5000	8.1	7000	50000	
A 70 3_38.4	38.4	23.4	5000	13.5	7000	50000	13.0	5000	7.5	7000	50000	
A 70 3_45.2	45.2	19.9	5000	11.4	7000	50000	11.1	5000	6.4	7000	50000	
A 70 3_49.0	49.0	18.4	5000	10.6	7000	50000	10.2	5000	5.9	7000	50000	
A 70 3_53.2	53.2	16.9	5000	9.7	7000	50000	9.4	5000	5.4	7000	50000	
A 70 3_57.7	57.7	15.6	5000	9.0	7000	50000	8.7	5000	5.0	7000	50000	
A 70 3_66.9	66.9	13.4	5000	7.7	7000	50000	7.5	5000	4.3	7000	50000	
A 70 3_72.5	72.5	12.4	5000	7.1	7000	50000	6.9	5000	4.0	7000	50000	
A 70 3_79.3	79.3	11.3	5000	6.5	7000	50000	6.3	5000	3.6	7000	50000	
A 70 3_85.9	85.9	10.5	5000	6.0	7000	50000	5.8	5000	3.3	7000	50000	
A 70 3_96.2	96.2	9.4	5000	5.4	7000	50000	5.2	5000	3.0	7000	50000	
A 70 3_104.2	104.2	8.6	5000	5.0	7000	50000	4.8	5000	2.8	7000	50000	
A 70 3_120.6	120.6	7.5	5000	4.3	7000	50000	4.1	5000	2.4	7000	50000	
A 70 3_130.7	130.7	6.9	5000	4.0	7000	50000	3.8	5000	2.2	7000	50000	297
A 70 3_141.9	141.9	6.3	5000	3.7	7000	50000	3.5	5000	2.0	7000	50000	
A 70 3_153.7	153.7	5.9	4600	3.1	7000	50000	3.3	5000	1.9	7000	50000	
A 70 4_169.8	169.8	5.3	5000	3.1	3170	50000	2.9	5000	1.7	3500	50000	
A 70 4_183.9	183.9	4.9	5000	2.9	3240	50000	2.7	5000	1.6	3500	50000	
A 70 4_220.3	220.3	4.1	5000	2.4	3270	50000	2.3	5000	1.3	3500	50000	
A 70 4_238.6	238.6	3.8	5000	2.2	3340	50000	2.1	5000	1.2	3500	50000	
A 70 4_292.0	292.0	3.1	5000	1.8	3350	50000	1.7	5000	1.0	3500	50000	
A 70 4_316.4	316.4	2.8	5000	1.7	3410	50000	1.6	5000	0.93	3500	50000	
A 70 4_369.4	369.4	2.4	5000	1.4	3410	50000	1.4	5000	0.80	3500	50000	
A 70 4_400.2	400.2	2.2	5000	1.3	3460	50000	1.2	5000	0.74	3500	50000	
A 70 4_475.8	475.8	1.9	5000	1.1	3450	50000	1.1	5000	0.62	3500	50000	
A 70 4_515.4	515.4	1.7	5000	1.0	3500	50000	0.97	5000	0.57	3500	50000	
A 70 4_595.0	595.0	1.5	5000	0.89	3480	50000	0.84	5000	0.49	3500	50000	
A 70 4_644.6	644.6	1.4	5000	0.82	3500	50000	0.78	5000	0.46	3500	50000	
A 70 4_705.1	705.1	1.3	5000	0.75	3500	50000	0.71	5000	0.42	3500	50000	
A 70 4_763.9	763.9	1.2	5000	0.69	3500	50000	0.65	5000	0.39	3500	50000	
A 70 4_855.3	855.3	1.1	5000	0.62	3500	50000	0.58	5000	0.34	3500	50000	
A 70 4_926.5	926.5	0.97	5000	0.57	3500	50000	0.54	5000	0.32	3500	50000	
A 70 4_1072	1072	0.84	5000	0.49	3500	50000	0.47	5000	0.27	3500	50000	
A 70 4_1161	1161	0.77	5000	0.46	3500	50000	0.43	5000	0.25	3500	50000	
A 70 4_1242	1242	0.72	5000	0.43	3500	50000	0.40	5000	0.24	3500	50000	
A 70 4_1346	1346	0.67	5000	0.39	3500	50000	0.37	5000	0.22	3500	50000	
A 70 4_1583	1583	0.57	5000	0.33	3500	50000	0.32	5000	0.19	3500	50000	
A 70 4_1715	1715	0.52	5000	0.31	3500	50000	0.29	5000	0.17	3500	50000	



A 80 — 8000 Nm

	i	n_1 = 2800 min^{-1}					n_1 = 1400 min^{-1}					
		n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	
A 80 3_9.8	9.8	285	3100	102	—	26300	142	3900	64	—	32100	300
A 80 3_10.7	10.7	263	3450	104	—	26300	131	4300	65	—	32300	
A 80 3_12.3	12.3	228	3450	91	—	27700	114	4300	56	—	34000	
A 80 3_13.3	13.3	211	3450	84	1150	28700	105	4300	52	1150	35200	
A 80 3_15.5	15.5	181	3300	69	1560	30600	91	4100	43	1730	37600	
A 80 3_16.7	16.7	167	3600	69	1440	30900	84	4500	43	1460	37900	
A 80 3_19.3	19.3	145	3500	58	1870	32800	72	4400	37	1880	40200	
A 80 3_20.9	20.9	134	3840	59	1670	33100	67	4800	37	1740	40600	
A 80 3_22.6	22.6	124	5050	72	4500	31200	62	6250	45	5830	38400	
A 80 3_24.5	24.5	114	5500	72	4470	31300	57	6750	44	5840	38600	
A 80 3_28.2	28.2	99	5350	61	4700	33500	50	6600	38	5960	41200	
A 80 3_30.6	30.6	92	5250	55	4840	34900	46	6450	34	6140	43000	
A 80 3_35.5	35.5	79	5700	52	4700	36000	39	7000	32	6000	44300	
A 80 3_38.5	38.5	73	6150	51	4720	36200	36	7600	32	6000	44500	
A 80 3_44.5	44.5	63	6050	44	4790	38600	31	7450	27	6070	47500	
A 80 3_48.2	48.2	58	6550	44	4790	38800	29.1	8000	27	6090	47900	
A 80 3_55.2	55.2	51	6400	37	4710	41300	25.4	7900	23	6050	50800	
A 80 3_59.8	59.8	47	6950	37	4690	41500	23.4	8000	22	6170	52300	
A 80 3_66.8	66.8	42	6800	33	4670	43700	21.0	8000	19.3	6150	54600	
A 80 3_72.4	72.4	39	7350	33	4680	44000	19.3	8000	17.8	6280	56500	
A 80 3_82.3	82.3	34	7200	28	4570	46600	17.0	8000	15.7	6230	59300	
A 80 3_89.2	89.2	31	7800	28	4570	46900	15.7	8000	14.5	6350	61400	
A 80 3_96.0	96.0	29.2	7500	25	4410	48900	14.6	8000	13.4	6260	63000	
A 80 3_104.0	104.0	26.9	8000	25	4500	49500	13.5	8000	12.4	6380	65000	
A 80 3_116.0	116.0	24.1	7950	22	4230	51700	12.1	8000	11.1	6300	65000	
A 80 3_125.6	125.6	22.3	8000	21	4630	53400	11.1	8000	10.3	6420	65000	
A 80 3_144.7	144.7	19.3	8000	17.8	4320	56400	9.7	8000	8.9	6350	65000	
A 80 3_156.8	156.8	17.9	8000	16.4	4750	58300	8.9	8000	8.2	6460	65000	
A 80 4_171.3	171.3	16.3	8000	15.4	—	65000	8.2	8000	7.7	1230	65000	
A 80 4_214.7	214.7	13.0	8000	12.3	—	65000	6.5	8000	6.1	1400	65000	
A 80 4_232.6	232.6	12.0	8000	11.3	—	65000	6.0	8000	5.7	1810	65000	
A 80 4_277.3	277.3	10.1	8000	9.5	540	65000	5.0	8000	4.8	1930	65000	
A 80 4_300.4	300.4	9.3	8000	8.8	900	65000	4.7	8000	4.4	2290	65000	
A 80 4_354.0	354.0	7.9	8000	7.4	800	65000	4.0	8000	3.7	2190	65000	
A 80 4_383.5	383.5	7.3	8000	6.9	1140	65000	3.7	8000	3.4	2530	65000	
A 80 4_442.1	442.1	6.3	8000	6.0	1040	65000	3.2	8000	3.0	2430	65000	
A 80 4_478.9	478.9	5.8	8000	5.5	1370	65000	2.9	8000	2.8	2670	65000	
A 80 4_560.5	560.5	5.0	8000	4.7	1240	65000	2.5	8000	2.4	2630	65000	
A 80 4_607.2	607.2	4.6	8000	4.3	1550	65000	2.3	8000	2.2	2720	65000	
A 80 4_703.5	703.5	4.0	8000	3.7	1440	65000	2.0	8000	1.9	2690	65000	
A 80 4_762.1	762.1	3.7	8000	3.5	1730	65000	1.8	8000	1.7	2760	65000	
A 80 4_829.5	829.5	3.4	8000	3.2	1530	65000	1.7	8000	1.6	2720	65000	
A 80 4_898.7	898.7	3.1	8000	2.9	1820	65000	1.6	8000	1.5	2780	65000	
A 80 4_1001	1001	2.8	8000	2.6	1620	65000	1.4	8000	1.3	2740	65000	
A 80 4_1085	1085	2.6	8000	2.4	1900	65000	1.3	8000	1.2	2800	65000	
A 80 4_1237	1237	2.3	8000	2.1	1660	65000	1.1	8000	1.1	2750	65000	
A 80 4_1340	1340	2.1	8000	2.0	1940	65000	1.0	8000	0.98	2810	65000	
A 80 4_1438	1438	1.9	8000	1.8	1730	65000	0.97	8000	0.92	2770	65000	
A 80 4_1558	1558	1.8	8000	1.7	2000	65000	0.90	8000	0.85	2830	65000	

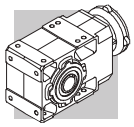
(—) Contact our technical service department advising radial load data (rotation direction, orientation, position)



A 80 — 8000 Nm

	i	n_1 = 900 min^{-1}					n_1 = 500 min^{-1}					
		n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	
A 80 3_9.8	9.8	92	4450	47	—	36700	51	5300	31	—	43800	
A 80 3_10.7	10.7	84	4900	48	—	36900	47	5850	32	—	44000	
A 80 3_12.3	12.3	73	4900	41	—	38900	41	5850	27	—	46400	
A 80 3_13.3	13.3	68	4900	38	1360	40200	38	5850	25	1600	47900	
A 80 3_15.5	15.5	58	4650	31	2130	43000	32	5550	21	2530	51300	
A 80 3_16.7	16.7	54	5100	32	1840	43400	29.9	6100	21	2120	51700	
A 80 3_19.3	19.3	47	5000	27	2260	46000	25.9	6000	17.9	2530	54800	
A 80 3_20.9	20.9	43	5470	27	2030	46400	23.9	6500	17.9	2530	55400	
A 80 3_22.6	22.6	40	7100	33	6810	43900	22.1	8000	20.4	7000	53400	
A 80 3_24.5	24.5	37	7700	33	6800	44100	20.4	8000	18.8	7000	55300	
A 80 3_28.2	28.2	32	7550	28	6940	47000	17.7	8000	16.3	7000	58400	
A 80 3_30.6	30.6	29.4	7400	25	7000	49000	16.4	8000	15.1	7000	60400	
A 80 3_35.5	35.5	25.3	8000	23	6980	50600	14.1	8000	13.0	7000	63900	
A 80 3_38.5	38.5	23.4	8000	22	7000	52400	13.0	8000	12.0	7000	65000	
A 80 3_44.5	44.5	20.2	8000	18.6	7000	55400	11.2	8000	10.3	7000	65000	
A 80 3_48.2	48.2	18.7	8000	17.2	7000	57300	10.4	8000	9.6	7000	65000	
A 80 3_55.2	55.2	16.3	8000	15.0	7000	60300	9.1	8000	8.3	7000	65000	
A 80 3_59.8	59.8	15.1	8000	13.9	7000	62300	8.4	8000	7.7	7000	65000	
A 80 3_66.8	66.8	13.5	8000	12.4	7000	65000	7.5	8000	6.9	7000	65000	
A 80 3_72.4	72.4	12.4	8000	11.4	7000	65000	6.9	8000	6.4	7000	65000	
A 80 3_82.3	82.3	10.9	8000	10.1	7000	65000	6.1	8000	5.6	7000	65000	
A 80 3_89.2	89.2	10.1	8000	9.3	7000	65000	5.6	8000	5.2	7000	65000	
A 80 3_96.0	96.0	9.4	8000	8.6	7000	65000	5.2	8000	4.8	7000	65000	
A 80 3_104.0	104.0	8.7	8000	8.0	7000	65000	4.8	8000	4.4	7000	65000	
A 80 3_116.0	116.0	7.8	8000	7.1	7000	65000	4.3	8000	4.0	7000	65000	300
A 80 3_125.6	125.6	7.2	8000	6.6	7000	65000	4.0	8000	3.7	7000	65000	
A 80 3_144.7	144.7	6.2	8000	5.7	7000	65000	3.5	8000	3.2	7000	65000	
A 80 3_156.8	156.8	5.7	8000	5.3	7000	65000	3.2	8000	2.9	7000	65000	
A 80 4_171.3	171.3	5.3	8000	4.9	2300	65000	2.9	8000	2.7	3500	65000	
A 80 4_214.7	214.7	4.2	8000	3.9	2470	65000	2.3	8000	2.2	3500	65000	
A 80 4_232.6	232.6	3.9	8000	3.6	2870	65000	2.1	8000	2.0	3500	65000	
A 80 4_277.3	277.3	3.2	8000	3.1	3000	65000	1.8	8000	1.7	3500	65000	
A 80 4_300.4	300.4	3.0	8000	2.8	3120	65000	1.7	8000	1.6	3500	65000	
A 80 4_354.0	354.0	2.5	8000	2.4	3100	65000	1.4	8000	1.3	3500	65000	
A 80 4_383.5	383.5	2.3	8000	2.2	3180	65000	1.3	8000	1.2	3500	65000	
A 80 4_442.1	442.1	2.0	8000	1.9	3160	65000	1.1	8000	1.1	3500	65000	
A 80 4_478.9	478.9	1.9	8000	1.8	3230	65000	1.0	8000	0.98	3500	65000	
A 80 4_560.5	560.5	1.6	8000	1.5	3210	65000	0.89	8000	0.84	3500	65000	
A 80 4_607.2	607.2	1.5	8000	1.4	3280	65000	0.82	8000	0.78	3500	65000	
A 80 4_703.5	703.5	1.3	8000	1.2	3260	65000	0.71	8000	0.67	3500	65000	
A 80 4_762.1	762.1	1.2	8000	1.1	3320	65000	0.66	8000	0.62	3500	65000	
A 80 4_829.5	829.5	1.1	8000	1.0	3280	65000	0.60	8000	0.57	3500	65000	
A 80 4_898.7	898.7	1.0	8000	0.94	3340	65000	0.56	8000	0.52	3500	65000	
A 80 4_1001	1001	0.90	8000	0.85	3300	65000	0.50	8000	0.47	3500	65000	
A 80 4_1085	1085	0.83	8000	0.78	3360	65000	0.46	8000	0.43	3500	65000	
A 80 4_1237	1237	0.73	8000	0.68	3310	65000	0.40	8000	0.38	3500	65000	
A 80 4_1340	1340	0.67	8000	0.63	3370	65000	0.37	8000	0.35	3500	65000	
A 80 4_1438	1438	0.63	8000	0.59	3330	65000	0.35	8000	0.33	3500	65000	
A 80 4_1558	1558	0.58	8000	0.54	3390	65000	0.32	8000	0.30	3500	65000	

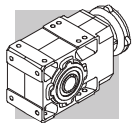
(—) Contact our technical service department advising radial load data (rotation direction, orientation, position)



A 90 — 14000 Nm

	i	n_1 = 2800 min^{-1}					n_1 = 1400 min^{-1}					
		n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	
A 90 3_9.7	9.7	289	7800	260	2440	27600	145	9050	151	5520	35000	
A 90 3_10.5	10.5	267	8350	257	2620	27700	134	9800	151	5530	34900	
A 90 3_12.6	12.6	221	8500	217	2700	29800	111	10450	133	4790	36700	
A 90 3_13.7	13.7	204	8050	189	4670	31800	102	11150	131	5060	36900	
A 90 3_15.6	15.6	180	8900	184	3240	32000	90	10950	113	5410	39400	
A 90 3_16.9	16.9	166	9650	184	3230	31900	83	11850	113	5440	39300	
A 90 3_19.4	19.4	144	9400	156	3160	34300	72	11550	96	5350	42300	
A 90 3_21.0	21.0	133	10150	156	3210	34300	67	12400	95	5510	42400	
A 90 3_22.3	22.3	126	9850	143	9660	35700	63	12150	88	12200	43900	
A 90 3_24.1	24.1	116	10700	143	9660	35500	58	13150	88	12200	43800	
A 90 3_29.1	29.1	96	10550	117	9800	38900	48	13000	72	12400	47900	
A 90 3_31.5	31.5	89	11450	117	9800	38800	44	14000	72	12400	47900	
A 90 3_35.8	35.8	78	11150	100	9910	41600	39	13750	62	12500	51100	
A 90 3_38.8	38.8	72	12100	100	9900	41500	36	14000	58	12700	52700	
A 90 3_44.6	44.6	63	11800	85	9920	44600	31	14000	51	12700	56000	
A 90 3_48.3	48.3	58	12800	85	9920	44500	29.0	14000	47	12800	58000	
A 90 3_55.0	55.0	51	12550	73	9960	47500	25.4	14000	41	12800	61400	
A 90 3_59.6	59.6	47	13550	73	9970	47500	23.5	14000	38	13000	63500	
A 90 3_68.8	68.8	41	13350	63	9960	50900	20.4	14000	33	13000	67400	
A 90 3_74.5	74.5	38	14000	61	10000	51700	18.8	14000	30	13100	69700	
A 90 3_80.4	80.4	35	13900	56	9920	53500	17.4	14000	28	13000	71900	
A 90 3_87.1	87.1	32	14000	52	10100	55500	16.1	14000	26	13200	74300	
A 90 3_98.6	98.6	28.4	14000	46	9990	58500	14.2	14000	23	13100	75000	
A 90 3_106.8	106.8	26.2	14000	42	10100	60600	13.1	14000	21	13300	75000	
A 90 3_116.9	116.9	24.0	14000	39	10100	63000	12.0	14000	19.3	13200	75000	
A 90 3_126.6	126.6	22.1	10650	27	10600	71400	11.1	13150	16.7	13400	75000	303
A 90 3_139.4	139.4	20.1	10350	24	10600	74500	10.0	12750	14.7	13400	75000	
A 90 3_151.0	151.0	18.5	11200	24	10600	75000	9.3	13800	14.7	13400	75000	
A 90 4_166.1	166.1	16.9	14000	28	—	75000	8.4	14000	13.9	—	75000	
A 90 4_180.0	180.0	15.6	14000	26	—	75000	7.8	14000	12.8	—	75000	
A 90 4_209.0	209.0	13.4	14000	22	—	75000	6.7	14000	11.0	—	75000	
A 90 4_226.4	226.4	12.4	14000	20	—	75000	6.2	14000	10.2	—	75000	
A 90 4_281.4	281.4	9.9	14000	16.4	—	75000	5.0	14000	8.2	—	75000	
A 90 4_304.9	304.9	9.2	14000	15.1	—	75000	4.6	14000	7.6	—	75000	
A 90 4_355.8	355.8	7.9	14000	13.0	—	75000	3.9	14000	6.5	—	75000	
A 90 4_385.4	385.4	7.3	14000	12.0	—	75000	3.6	14000	6.0	680	75000	
A 90 4_449.2	449.2	6.2	14000	10.3	—	75000	3.1	14000	5.1	—	75000	
A 90 4_486.6	486.6	5.8	14000	9.5	—	75000	2.9	14000	4.7	950	75000	
A 90 4_555.3	555.3	5.0	14000	8.3	—	75000	2.5	14000	4.2	740	75000	
A 90 4_601.6	601.6	4.7	14000	7.7	—	75000	2.3	14000	3.8	1200	75000	
A 90 4_707.9	707.9	4.0	14000	6.5	—	75000	2.0	14000	3.3	1050	75000	
A 90 4_766.9	766.9	3.7	14000	6.0	—	75000	1.8	14000	3.0	1490	75000	
A 90 4_865.1	865.1	3.2	14000	5.3	—	75000	1.6	14000	2.7	1170	75000	
A 90 4_937.2	937.2	3.0	14000	4.9	—	75000	1.5	14000	2.5	1590	75000	
A 90 4_1025	1025	2.7	14000	4.5	—	75000	1.4	14000	2.2	1330	75000	
A 90 4_1111	1111	2.5	14000	4.2	—	75000	1.3	14000	2.1	1740	75000	
A 90 4_1222	1222	2.3	14000	3.8	—	75000	1.1	14000	1.9	1380	75000	
A 90 4_1324	1324	2.1	14000	3.5	—	75000	1.1	14000	1.7	1790	75000	
A 90 4_1507	1507	1.9	14000	3.1	—	75000	0.93	14000	1.5	1440	75000	
A 90 4_1632	1632	1.7	14000	2.8	—	75000	0.86	14000	1.4	1840	75000	

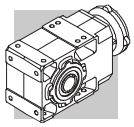
(—) Contact our technical service department advising radial load data (rotation direction, orientation, position)



A 90 — 14000 Nm

	i	n_1 = 900 min^{-1}					n_1 = 500 min^{-1}					
		n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	
A 90 3_9.7	9.7	93	9050	97	9800	42300	52	9050	54	15000	53700	
A 90 3_10.5	10.5	86	9800	97	9810	42500	48	9800	54	15000	54200	
A 90 3_12.6	12.6	71	11800	97	6720	42100	40	11800	54	13500	54500	
A 90 3_13.7	13.7	66	12750	96	6770	42100	37	12800	54	13500	54600	
A 90 3_15.6	15.6	58	11550	77	8730	46700	32	11550	43	15000	59900	
A 90 3_16.9	16.9	53	12500	77	8750	46800	29.6	12500	43	15000	60300	
A 90 3_19.4	19.4	46	11550	62	9630	51400	25.8	11550	34	15000	65400	
A 90 3_21.0	21.0	43	12400	61	9790	51700	23.8	12400	34	15000	66100	
A 90 3_22.3	22.3	40	13850	64	14200	50200	22.5	14000	36	15000	64700	
A 90 3_24.1	24.1	37	14000	60	14400	51900	20.7	14000	33	15000	66900	
A 90 3_29.1	29.1	31	14000	50	14600	56200	17.2	14000	28	15000	72100	
A 90 3_31.5	31.5	28.6	14000	46	14800	58400	15.9	14000	26	15000	74700	
A 90 3_35.8	35.8	25.1	14000	40	14900	61700	14.0	14000	23	15000	75000	
A 90 3_38.8	38.8	23.2	14000	37	15000	63900	12.9	14000	21	15000	75000	
A 90 3_44.6	44.6	20.2	14000	33	15000	67700	11.2	14000	18.1	15000	75000	
A 90 3_48.3	48.3	18.6	14000	30	15000	70000	10.4	14000	16.7	15000	75000	
A 90 3_55.0	55.0	16.4	14000	26	15000	73800	9.1	14000	14.6	15000	75000	
A 90 3_59.6	59.6	15.1	14000	24	15000	75000	8.4	14000	13.5	15000	75000	
A 90 3_68.8	68.8	13.1	14000	21	15000	75000	7.3	14000	11.7	15000	75000	
A 90 3_74.5	74.5	12.1	14000	19.5	15000	75000	6.7	14000	10.8	15000	75000	
A 90 3_80.4	80.4	11.2	14000	18.0	15000	75000	6.2	14000	10.0	15000	75000	
A 90 3_87.1	87.1	10.3	14000	16.7	15000	75000	5.7	14000	9.3	15000	75000	
A 90 3_98.6	98.6	9.1	14000	14.7	15000	75000	5.1	14000	8.2	15000	75000	
A 90 3_106.8	106.8	8.4	14000	13.6	15000	75000	4.7	14000	7.5	15000	75000	
A 90 3_116.9	116.9	7.7	14000	12.4	15000	75000	4.3	14000	6.9	15000	75000	
A 90 3_126.6	126.6	7.1	14000	11.4	15000	75000	3.9	14000	6.4	15000	75000	303
A 90 3_139.4	139.4	6.5	14000	10.4	15000	75000	3.6	14000	5.8	15000	75000	
A 90 3_151.0	151.0	6.0	14000	9.6	15000	75000	3.3	14000	5.3	15000	75000	
A 90 4_166.1	166.1	5.4	14000	8.9	—	75000	3.0	14000	5.0	700	75000	
A 90 4_180.0	180.0	5.0	14000	8.2	—	75000	2.8	14000	4.6	1400	75000	
A 90 4_209.0	209.0	4.3	14000	7.1	—	75000	2.4	14000	3.9	1500	75000	
A 90 4_226.4	226.4	4.0	14000	6.5	500	75000	2.2	14000	3.6	2100	75000	
A 90 4_281.4	281.4	3.2	14000	5.3	690	75000	1.8	14000	2.9	2300	75000	
A 90 4_304.9	304.9	3.0	14000	4.9	1230	75000	1.6	14000	2.7	2900	75000	
A 90 4_355.8	355.8	2.5	14000	4.2	1240	75000	1.4	14000	2.3	2900	75000	
A 90 4_385.4	385.4	2.3	14000	3.8	1750	75000	1.3	14000	2.1	3400	75000	
A 90 4_449.2	449.2	2.0	14000	3.3	1540	75000	1.1	14000	1.8	3200	75000	
A 90 4_486.6	486.6	1.8	14000	3.0	2020	75000	1.0	14000	1.7	3500	75000	
A 90 4_555.3	555.3	1.6	14000	2.7	1810	75000	0.90	14000	1.5	3500	75000	
A 90 4_601.6	601.6	1.5	14000	2.5	2270	75000	0.83	14000	1.4	3500	75000	
A 90 4_707.9	707.9	1.3	14000	2.1	2120	75000	0.71	14000	1.2	3500	75000	
A 90 4_766.9	766.9	1.2	14000	1.9	2560	75000	0.65	14000	1.1	3500	75000	
A 90 4_865.1	865.1	1.0	14000	1.7	2240	75000	0.58	14000	0.95	3500	75000	
A 90 4_937.2	937.2	0.96	14000	1.6	2660	75000	0.53	14000	0.88	3500	75000	
A 90 4_1025	1025	0.88	14000	1.4	2400	75000	0.49	14000	0.80	3500	75000	
A 90 4_1111	1111	0.81	14000	1.3	2810	75000	0.45	14000	0.74	3500	75000	
A 90 4_1222	1222	0.74	14000	1.2	2450	75000	0.41	14000	0.67	3500	75000	
A 90 4_1324	1324	0.68	14000	1.1	2860	75000	0.38	14000	0.62	3500	75000	
A 90 4_1507	1507	0.60	14000	0.98	2410	75000	0.33	14000	0.55	3500	75000	
A 90 4_1632	1632	0.55	14000	0.91	2910	75000	0.31	14000	0.50	3500	75000	

(—) Contact our technical service department advising radial load data (rotation direction, orientation, position)



40 MOTOR AVAILABILITY

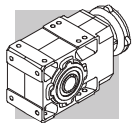
Please be aware that motor-gearbox combinations resulting from the following charts are purely based on geometrical compatibility.

When selecting a gearmotor, refer to procedure specified at paragraph 12 and observe particularly the condition $S \geq f_S$.

(C 40)

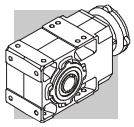
		IEC_ BN BE BX (IM B5)																								
		BN		BN	BE	BX	BN	BE	BX	BN	BE	BX	BN	BE	BX	BN	BE	BX	BN	BE	BX	BN	BE	BX	BN	IEC	IEC
P_{n1}(#) [kW]	2p	0.37	0.75	1.5	1.1	—	2.2	2.2	—	4	3	—	4	4	—	9.2	9.2	—	18.5	18.5	—	22	—	—	30	45	55
	4p	0.25	0.55	1.1	0.75	0.75	1.85	1.5	1.5	3	3	3	4	4	4	9.2	9.2	7.5	15	15	15	22	22	22	30	47	55
	6p	0.12	0.37	0.75	—	—	1.1	0.75	—	1.85	1.5	—	2.2	2.2	—	5.5	4	—	11	7.5	—	15	—	—	18.5	30	37
		P63	P71	P80			P90			P100			P112			P132			P160			P180			P200	P225	P250
A 05 2		5.5_91.6	5.5_51.3	5.5_51.3																							
A 10 2		5.5_91.6	5.5_91.6	5.5_65.9			5.5_65.9			5.5_65.9			5.5_65.9														
A 20 2		7.3_92.3 ⛔(10.3)	7.3_92.3 ⛔(10.3)	5.4_79.9			5.4_79.9			5.4_79.9			5.4_79.9														
A 20 3		109.2_380.9	109.2_380.9	109.2_380.9			109.2_380.9			109.2_380.9			109.2_380.9														
A 30 2		9.3_97.5 ⛔(10.5 ; 13.6_16.3)	9.3_97.5 ⛔(10.5 ; 13.6_16.3)	5.4_97.5			5.4_97.5			5.4_97.5			5.4_97.5														
A 30 3		109.1_400.8	109.1_400.8	109.1_400.8			109.1_400.8			109.1_400.8			109.1_400.8														
A 35 2		9.3_95.6 ⛔(13.1_20.4)	9.3_95.6 ⛔(13.1_20.4)	5.4_95.6			5.4_95.6			5.4_95.6			5.4_95.6			5.4_11.8											
A 35 3		105.5_393.2	105.5_393.2	105.5_393.2			105.5_393.2			105.5_393.2			105.5_393.2														
A 41 2		11.7_79.2 ⛔(13.8_17.8)	11.7_79.2 ⛔(13.8_17.8)	5.2_79.2			5.2_79.2			5.2_79.2			5.2_79.2			5.2_45.1											
A 41 3		92.8_376.8	92.8_376.8	92.8_376.8			92.8_376.8			92.8_376.8			92.8_376.8														
A 50 2		20.9	20.9	7.7_20.9			7.7_20.9			7.7_20.9			7.7_20.9			7.7_20.9			7.7_20.9			7.7_20.9					
A 50 3		51.7_190.6	51.7_190.6	24.0_190.6			24.0_190.6			24.0_190.6			24.0_190.6			24.0_109.4			24.0_109.4			24.0_109.4					
A 50 4	i =	211.0_778.2	211.0_778.2	211.0_778.2			211.0_778.2			211.0_778.2			211.0_778.2														
A 55 2				13.1_19.2			13.1_19.2			13.1_19.2			13.1_19.2			4.9_19.2			4.9_19.2			4.9_19.2					
A 55 3		64.3_194.2	64.3_194.2	23.8_194.2			23.8_194.2			23.8_194.2			23.8_194.2			23.8_123.9			23.8_123.9			23.8_123.9					
A 55 4		208.1_793.0	208.1_793.0	208.1_793.0			208.1_793.0			208.1_793.0			208.1_793.0														
A 60 2				10.3_20.6			10.3_20.6			10.3_20.6			10.3_20.6			7.9_20.6			7.9_20.6			7.9_20.6					
A 60 3		65.0_185.8	65.0_185.8	25.7_185.8			25.7_185.8			25.7_185.8			25.7_185.8			25.7_133.3			25.7_133.3			25.7_133.3					
A 60 4		208.7_755.4	208.7_755.4	208.7_755.4			208.7_755.4			208.7_755.4			208.7_755.4														
A 70 3				66.9_153.7			66.9_153.7			66.9_153.7			66.9_153.7			15.4_153.7 ⛔(23.5_30.1)			9.4_153.7			9.4_153.7		9.4_38.4 ⛔(19.7_21.3)		
A 70 4		292.0_1715	292.0_1715	169.8_1715			169.8_1715			169.8_1715			169.8_1715			169.8_644.6											
A 80 3				82.3_156.8			82.3_156.8			82.3_156.8			82.3_156.8			19.3_156.8 ⛔(22.6_38.5)			12.3_156.8 ⛔(22.6_24.5)			9.8_156.8		9.8_104.0	9.8_104.0	
A 80 4		354.0_1558	354.0_1558	171.3_1558			171.3_1558			171.3_1558			171.3_1558			171.3_762.1											
A 90 3				98.6_151.0			98.6_151.0			98.6_151.0			98.6_151.0			55.0_151.0			19.4_151.0 ⛔(22.3_38.8)			9.7_151.0		9.7_126.6	9.7_126.6	9.7_126.6
A 90 4		449.2_1632	449.2_1632	166.1_1632			166.1_1632			166.1_1632			166.1_1632			166.1_937.2			166.1_937.2			166.1_937.2					

(#) P_{n1} = maximum installable power on input P_



(C 41)

		M05	M1	ME2 - MX2	ME3 - MX4	ME4 - MX4	ME5 - MX5
A 05 2		5.5_91.6	5.5_51.3	5.5_65.9			
A 10 2		5.5_91.6	5.5_51.3	5.5_65.9	5.5_65.9		
A 20 2		7.3_92.3 ⛀ (10.3)	7.3_63.1 ⛀ (10.3)	5.4_79.9	5.4_79.9		
A 20 3		109.2_380.9	109.2_380.9	109.2_380.9	109.2_380.9		
A 30 2			9.3_76.5 ⛀ (10.5 ; 13.6_16.3)	5.4_97.5	5.4_97.5		
A 30 3		109.1_400.8	109.1_400.8	109.1_400.8	109.1_400.8		
A 35 2			9.3_95.6 ⛀ (13.1_20.4)	5.4_95.6	5.4_95.6	5.4_11.8	
A 35 3		105.5_393.2	105.5_393.2	105.5_393.2	105.5_393.2		
A 41 2			11.7_79.2 ⛀ (13.8_17.8)	5.2_79.2	5.2_79.2	5.2_45.1	
A 41 3		92.8_376.8	92.8_376.8	92.8_376.8	92.8_376.8		
A 50 2			20.9	7.7_20.9	7.7_20.9	7.7_20.9	7.7_20.9
A 50 3			51.7_190.6	24.0_190.6	24.0_190.6	24.0_109.4	24.0_109.4
A 50 4	**i =**		211.0_778.2	211.0_778.2	211.0_778.2		
A 55 2				13.1_19.2	13.1_19.2	4.9_19.2	4.9_19.2
A 55 3			64.3_194.2	23.8_194.2	23.8_194.2	23.8_123.9	23.8_123.9
A 55 4			208.1_793.0	208.1_793.0	208.1_793.0		
A 60 2				10.3_20.6	10.3_20.6	7.9_20.6	7.9_20.6
A 60 3				25.7_185.8	25.7_185.8	25.7_133.3	25.7_133.3
A 60 4			208.7_755.4	208.7_755.4	208.7_755.4		
A 70 3				66.9_153.7	66.9_153.7	15.4_153.7 ⛀ (23.5_30.1)	15.4_153.7 ⛀ (23.5_30.1)
A 70 4			292.0_1715	169.8_1715	169.8_1715	169.8_644.6	
A 80 3					82.3_156.8	19.3_156.8 ⛀ (22.6_38.5)	19.3_156.8 ⛀ (22.6_38.5)
A 80 4			354.0_1558	171.3_1558	171.3_1558	171.3_762.1	
A 90 3					98.6_151.0	55.0_151.0	55.0_151.0
A 90 4			449.2_1632	166.1_1632	166.1_1632	166.1_937.2	



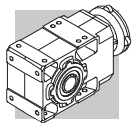
Motor adapters matching the most popular brands of servomotors are available for units size A05… A60. Dimensions of servomotor inputs are provided within the drawing section for each frame size. The code **SK** applies for inputs featuring a conventional keyway, while through the specification of the **SC** code the input shaft will feature a clamping device instead.

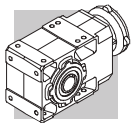
(C 42)

		SERVO INPUT					
		SK40A	SK60A	SK60B	SK80A	SK80B	SK80C
		SC40A	SC60A	SC60B	SC80A	SC80B	SC80C
A 05 2	i =	5.5_91.6	5.5_91.6	5.5_51.3	5.5_51.3		
A 10 2			5.5_91.6	5.5_51.3	5.5_51.3		5.5_65.9
A 20 2			7.3_92.3 ⛀ (10.3)	7.3_63.1 ⛀ (10.3)	7.3_63.1 ⛀ (10.3)		5.4_79.9
A 20 3			109.2_380.9	109.2_380.9	109.2_380.9		109.2_380.9
A 30 2			9.3_97.5 ⛀ (10.5 ; 13.6_16.3)	9.3_76.5 ⛀ (10.5 ; 13.6_16.3)	9.3_76.5 ⛀ (10.5 ; 13.6_16.3)		5.4_97.5
A 30 3			109.1_400.8	109.1_400.8	109.1_400.8		109.1_400.8
A 35 2			9.3_95.6 ⛀ (13.1_20.4)	9.3_95.6 ⛀ (13.1_20.4)	9.3_95.6 ⛀ (13.1_20.4)		5.4_95.6
A 35 3			105.5_393.2	105.5_393.2	105.5_393.2		105.5_393.2
A 41 2						11.7_79.2 ⛀ (13.8_17.8)	5.2_79.2
A 41 3			92.8_376.8	92.8_376.8	92.8_376.8		92.8_376.8
A 50 2						20.9	7.7_20.9
A 50 3						51.7_190.6	24.0_190.6
A 50 4							211.0_778.2
A 55 2							13.1_19.2
A 55 3						64.3_194.2	23.8_194.2
A 55 4							208.1_793.0
A 60 2							10.3_20.6
A 60 3							25.7_185.8
A 60 4						208.7_755.4	208.7_755.4

(C 43)

		SERVO INPUT								
		SK95A	SK95B	SK95C	SK110A	SK110B	SK130A	SK130B	SK180A	SK180B
		SC95A	SC95B	SC95C	SC110A	SC110B	SC130A	SC130B	SC180A	SC180B
A 10 2	i =	5.5_51.3	5.5_65.9	5.5_65.9	5.5_65.9	5.5_65.9				
A 20 2		7.3_63.1 ⛀ (10.3)	5.4_79.9	5.4_79.9	5.4_79.9	5.4_79.9				
A 20 3		109.2_380.9	109.2_380.9	109.2_380.9	109.2_380.9	109.2_380.9				
A 30 2		9.3_76.5 ⛀ (10.5 ; 13.6_16.3)	5.4_97.5	5.4_97.5	5.4_97.5	5.4_97.5	5.4_97.5			
A 30 3		109.1_400.8	109.1_400.8	109.1_400.8	109.1_400.8	109.1_400.8				
A 35 2		9.3_95.6 ⛀ (13.1_20.4)	5.4_95.6	5.4_95.6	5.4_95.6	5.4_95.6	5.4_95.6			
A 35 3		105.5_393.2	105.5_393.2	105.5_393.2	105.5_393.2	105.5_393.2				
A 41 2		11.7_79.2 ⛀ (13.8_17.8)	5.2_79.2	5.2_79.2	5.2_79.2	5.2_79.2	5.2_79.2	5.2_45.1	5.2_45.1	5.2_45.1
A 41 3		92.8_376.8	92.8_376.8	92.8_376.8	92.8_376.8	92.8_376.8				
A 50 2		20.9	7.7_20.9	7.7_20.9	7.7_20.9	7.7_20.9	7.7_20.9	7.7_20.9	7.7_20.9	7.7_20.9
A 50 3		51.7_190.6	24.0_190.6	24.0_190.6	24.0_190.6	24.0_190.6	24.0_190.6	24.0_109.4	24.0_109.4	24.0_109.4
A 50 4		211.0_778.2	211.0_778.2	211.0_778.2	211.0_778.2	211.0_778.2	211.0_778.2			
A 55 2			13.1_19.2	13.1_19.2	13.1_19.2	13.1_19.2	13.1_19.2	4.9_19.2	4.9_19.2	4.9_19.2
A 55 3		64.3_194.2	23.8_194.2	23.8_194.2	23.8_194.2	23.8_194.2	23.8_194.2	23.8_123.9	23.8_123.9	23.8_123.9
A 55 4		208.1_793.0	208.1_793.0	208.1_793.0	208.1_793.0	208.1_793.0	208.1_793.0			
A 60 2			10.3_20.6	10.3_20.6	10.3_20.6	10.3_20.6	10.3_20.6	7.9_20.6	7.9_20.6	7.9_20.6
A 60 3		65.0_185.8	25.7_185.8	25.7_185.8	25.7_185.8	25.7_185.8	25.7_185.8	25.7_133.3	25.7_133.3	25.7_133.3
A 60 4		208.7_755.4	208.7_755.4	208.7_755.4	208.7_755.4	208.7_755.4	208.7_755.4			





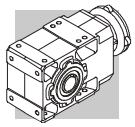
41 MOMENT OF INERTIA

The following charts indicate moment of inertia values J_r [kgm^2] referred to the gear unit high speed shaft. A key to the symbols used follows:

Values under this icon refer to compact gear units, without motor. To obtain the overall moment of inertia for the gearmotor just add the value of the inertia for the specific compact motor, given in the relevant rating chart.	IEC — Values under this symbol refer to gearboxes with IEC motor adaptor (IEC size...).
	This symbol refers to gearbox values.
	SERVO — Values under this symbol refer to gear unit with servomotor input adapter.

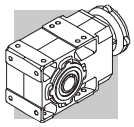
A 05

	i	**J** (•10^{-4}) [kgm^2]				
			IEC			
			63	**71**	**80**	
A 05 2_5.5	5.5	0.72	0.99	1.0	1.4	—
A 05 2_6.3	6.3	0.56	0.83	0.86	1.2	—
A 05 2_7.2	7.2	0.48	0.74	0.77	1.1	—
A 05 2_8.5	8.5	0.36	0.63	0.65	1.0	—
A 05 2_9.6	9.6	0.29	0.55	0.58	0.92	—
A 05 2_10.6	10.6	0.50	0.77	0.80	1.1	—
A 05 2_12.3	12.3	0.18	0.45	0.48	0.82	—
A 05 2_13.9	13.9	0.35	0.62	0.65	0.99	—
A 05 2_16.4	16.4	0.27	0.54	0.57	0.91	—
A 05 2_18.6	18.6	0.22	0.49	0.51	0.86	—
A 05 2_21.4	21.4	0.16	0.43	0.46	0.80	—
A 05 2_23.8	23.8	0.14	0.41	0.43	0.78	—
A 05 2_25.5	25.5	0.13	0.39	0.42	0.76	—
A 05 2_28.6	28.6	0.11	0.38	0.40	0.75	—
A 05 2_32.2	32.2	0.09	0.36	0.39	0.73	—
A 05 2_35.1	35.1	0.08	0.35	0.37	0.72	—
A 05 2_40.9	40.9	0.07	0.33	0.36	0.70	—
A 05 2_45.4	45.4	0.05	0.32	0.35	0.69	—
A 05 2_51.3	51.3	0.04	0.31	0.34	0.68	—
A 05 2_58.6	58.6	0.04	0.31	—	—	—
A 05 2_65.9	65.9	0.03	0.30	—	—	—
A 05 2_76.4	76.4	0.02	0.29	—	—	—
A 05 2_91.6	91.6	0.02	0.28	—	—	—



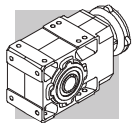
A 05

	i	J (•10-4) [kgm2]					
		SERVO					
		40A		60A		60B 80A	
		SK	SC	SK	SC	SK	SC
A 05 2_5.5	5.5	0.89	1.1	0.99	1.3	1.0	1.4
A 05 2_6.3	6.3	0.73	0.89	0.83	1.1	0.86	1.3
A 05 2_7.2	7.2	0.65	0.81	0.74	1.0	0.77	1.2
A 05 2_8.5	8.5	0.53	0.69	0.63	0.89	0.65	1.1
A 05 2_9.6	9.6	0.46	0.62	0.55	0.81	0.58	1.0
A 05 2_10.6	10.6	0.67	0.83	0.77	1.0	0.80	1.2
A 05 2_12.3	12.3	0.35	0.51	0.45	0.71	0.48	0.92
A 05 2_13.9	13.9	0.52	0.68	0.62	0.88	0.65	1.1
A 05 2_16.4	16.4	0.44	0.60	0.54	0.80	0.57	1.0
A 05 2_18.6	18.6	0.39	0.55	0.49	0.75	0.51	0.95
A 05 2_21.4	21.4	0.33	0.49	0.43	0.69	0.46	0.90
A 05 2_23.8	23.8	0.31	0.47	0.41	0.67	0.43	0.87
A 05 2_25.5	25.5	0.30	0.46	0.39	0.65	0.42	0.86
A 05 2_28.6	28.6	0.28	0.44	0.38	0.64	0.40	0.84
A 05 2_32.2	32.2	0.26	0.42	0.36	0.62	0.39	0.83
A 05 2_35.1	35.1	0.25	0.41	0.35	0.61	0.37	0.81
A 05 2_40.9	40.9	0.24	0.40	0.33	0.59	0.36	0.80
A 05 2_45.4	45.4	0.22	0.38	0.32	0.58	0.35	0.79
A 05 2_51.3	51.3	0.21	0.37	0.31	0.57	0.34	0.78
A 05 2_58.6	58.6	0.21	0.37	0.31	0.57	—	—
A 05 2_65.9	65.9	0.20	0.36	0.30	0.56	—	—
A 05 2_76.4	76.4	0.19	0.35	0.29	0.55	—	—
A 05 2_91.6	91.6	0.19	0.35	0.28	0.54	—	—



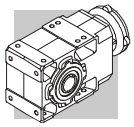
A 10

	i		J (•10-4) [kgm2]						
			IEC						
			63	71	80	90	100	112	
A 10 2_5.5	5.5	1.0	2.5	2.5	3.9	3.8	5.1	5.1	1.8
A 10 2_6.3	6.3	0.80	2.3	2.3	3.7	3.6	4.9	4.9	1.6
A 10 2_7.2	7.2	0.60	2.1	2.1	3.5	3.4	4.7	4.7	1.5
A 10 2_8.5	8.5	0.45	1.9	1.9	3.3	3.1	4.5	4.5	1.4
A 10 2_9.6	9.6	0.30	1.8	1.8	3.2	3.1	4.4	4.4	1.3
A 10 2_10.6	10.6	0.50	2.0	2.0	3.4	3.3	4.6	4.6	1.4
A 10 2_12.3	12.3	0.20	1.7	1.7	3.1	3.0	4.3	4.3	1.1
A 10 2_13.9	13.9	0.30	1.8	1.8	3.2	3.1	4.6	4.6	1.2
A 10 2_16.4	16.4	0.25	1.7	1.7	3.1	3.0	4.3	4.3	1.1
A 10 2_18.6	18.6	0.20	1.7	1.7	3.1	3.0	4.3	4.3	1.0
A 10 2_21.4	21.4	0.15	1.6	1.6	3.0	2.9	4.2	4.2	1.0
A 10 2_23.8	23.8	0.10	1.6	1.6	3.0	2.9	4.2	4.2	1.0
A 10 2_25.5	25.5	0.10	1.6	1.6	3.0	2.9	4.2	4.2	1.0
A 10 2_28.6	28.6	0.10	1.6	1.6	3.0	2.9	4.2	4.2	0.90
A 10 2_32.2	32.2	0.08	1.6	1.6	3.0	2.9	4.2	4.2	0.90
A 10 2_35.1	35.1	0.07	1.6	1.6	3.0	2.9	4.2	4.2	0.90
A 10 2_40.9	40.9	0.06	1.6	1.6	3.0	2.9	4.2	4.2	0.90
A 10 2_45.4	45.4	0.05	1.6	1.6	3.0	2.9	4.2	4.2	0.90
A 10 2_51.3	51.3	0.03	1.5	1.5	2.9	2.8	4.1	4.1	0.90
A 10 2_58.6	58.6	0.03	1.5	1.5	2.9	2.8	4.1	4.1	0.90
A 10 2_65.9	65.9	0.02	1.5	1.5	2.9	2.8	4.1	4.1	0.90
A 10 2_76.4	76.4	0.02	1.5	1.5	—	—	—	—	0.90
A 10 2_91.6	91.6	0.01	1.5	1.5	—	—	—	—	0.90



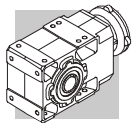
A 10

	i	J (•10-4) [kgm2]									
		SERVO									
		60A		60B 80A		95A		80C 95B 110A		95C 110B	
		SK	SC	SK	SC	SK	SC	SK	SC	SK	SC
A 10 2_5.5	5.5	1.3	1.5	1.3	1.7	3.8	4.3	3.9	4.4	3.8	4.8
A 10 2_6.3	6.3	1.1	1.3	1.1	1.5	3.6	4.1	3.7	4.2	3.6	4.6
A 10 2_7.2	7.2	0.87	1.1	0.89	1.3	3.4	3.9	3.5	4.0	3.4	4.4
A 10 2_8.5	8.5	0.72	0.98	0.74	1.2	3.3	3.7	3.3	3.8	3.1	4.1
A 10 2_9.6	9.6	0.57	0.83	0.59	1.0	3.1	3.6	3.2	3.7	3.1	4.1
A 10 2_10.6	10.6	0.77	1.0	0.79	1.2	3.3	3.8	3.4	3.9	3.3	4.3
A 10 2_12.3	12.3	0.47	0.73	0.49	0.93	3.0	3.5	3.1	3.6	3.0	4.0
A 10 2_13.9	13.9	0.57	0.83	0.59	1.0	3.1	3.6	3.2	3.7	3.1	4.1
A 10 2_16.4	16.4	0.52	0.78	0.54	0.98	3.1	3.5	3.1	3.6	3.0	4.0
A 10 2_18.6	18.6	0.47	0.73	0.49	0.93	3.0	3.5	3.1	3.6	3.0	4.0
A 10 2_21.4	21.4	0.42	0.68	0.44	0.88	3.0	3.4	3.0	3.5	2.9	3.9
A 10 2_23.8	23.8	0.37	0.63	0.39	0.83	2.9	3.4	3.0	3.5	2.9	3.9
A 10 2_25.5	25.5	0.37	0.63	0.39	0.83	2.9	3.4	3.0	3.5	2.9	3.9
A 10 2_28.6	28.6	0.37	0.63	0.39	0.83	2.9	3.4	3.0	3.5	2.9	3.9
A 10 2_32.2	32.2	0.35	0.61	0.37	0.81	2.9	3.3	3.0	3.5	2.9	3.9
A 10 2_35.1	35.1	0.34	0.60	0.36	0.80	2.9	3.3	3.0	3.5	2.9	3.9
A 10 2_40.9	40.9	0.33	0.59	0.35	0.79	2.9	3.3	3.0	3.5	2.9	3.9
A 10 2_45.4	45.4	0.32	0.58	0.34	0.78	2.9	3.3	3.0	3.5	2.9	3.9
A 10 2_51.3	51.3	0.30	0.56	0.32	0.76	2.9	3.3	2.9	3.4	2.8	3.8
A 10 2_58.6	58.6	0.30	0.56	—	—	—	—	2.9	3.4	2.8	3.8
A 10 2_65.9	65.9	0.29	0.55	—	—	—	—	2.9	3.4	2.8	3.8
A 10 2_76.4	76.4	0.29	0.55	—	—	—	—	—	—	—	—
A 10 2_91.6	91.6	0.28	0.54	—	—	—	—	—	—	—	—



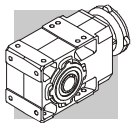
A 20

	i	J (•10-4) [kgm2]							
			IEC						
			63	71	80	90	100	112	
A 20 2_5.4	5.4	2.4	—	—	5.3	5.2	6.5	6.5	4.3
A 20 2_6.5	6.5	1.9	—	—	4.8	4.7	6.0	6.0	3.8
A 20 2_7.3	7.3	1.4	2.9	2.9	4.3	4.2	5.5	5.5	3.3
A 20 2_8.4	8.4	1.1	2.6	2.6	4.0	3.9	5.2	5.2	3.0
A 20 2_9.4	9.4	0.90	2.4	2.4	3.8	3.7	5.0	5.0	2.8
A 20 2_10.3	10.3	1.2	—	—	4.1	4.0	5.3	5.3	3.0
A 20 2_12.0	12.0	0.50	2.0	2.0	3.4	3.3	4.6	4.6	2.4
A 20 2_14.1	14.1	0.70	2.2	2.2	3.6	3.5	4.8	4.8	2.6
A 20 2_16.2	16.2	0.55	2.0	2.0	3.4	3.3	4.6	4.6	2.5
A 20 2_18.1	18.1	0.40	1.9	1.9	3.3	3.2	4.5	4.5	2.4
A 20 2_21.2	21.2	0.35	1.8	1.8	3.2	3.1	4.4	4.4	2.3
A 20 2_23.1	23.1	0.30	1.8	1.8	3.2	3.1	4.4	4.4	2.2
A 20 2_26.5	26.5	0.25	1.7	1.7	3.1	3.0	4.3	4.3	2.1
A 20 2_29.2	29.2	0.20	1.7	1.7	3.1	3.0	4.3	4.3	2.1
A 20 2_31.3	31.3	0.20	1.7	1.7	3.1	3.0	4.3	4.3	2.1
A 20 2_35.4	35.4	0.20	1.7	1.7	3.1	3.0	4.3	4.3	2.1
A 20 2_39.6	39.6	0.10	1.6	1.6	3.0	2.9	4.2	4.2	2.0
A 20 2_43.2	43.2	0.10	1.6	1.6	3.0	2.9	4.2	4.2	2.0
A 20 2_48.3	48.3	0.10	1.6	1.6	3.0	2.9	4.2	4.2	2.0
A 20 2_53.7	53.7	0.10	1.6	1.6	3.0	2.9	4.2	4.2	2.0
A 20 2_63.1	63.1	0.10	1.6	1.6	3.0	2.9	4.2	4.2	2.0
A 20 2_71.0	71.0	0.05	1.5	1.5	2.9	2.8	4.1	4.1	2.0
A 20 2_79.9	79.9	0.03	1.5	1.5	2.9	2.8	4.1	4.1	2.0
A 20 2_92.3	92.3	0.02	1.5	1.5	—	—	—	—	2.0
A 20 3_109.2	109.2	0.02	1.5	1.5	2.9	2.8	4.1	4.1	0.90
A 20 3_120.5	120.5	0.02	1.5	1.5	2.9	2.8	4.1	4.1	0.90
A 20 3_129.1	129.1	0.02	1.5	1.5	2.9	2.8	4.1	4.1	0.90
A 20 3_146.1	146.1	0.02	1.5	1.5	2.9	2.8	4.1	4.1	0.90
A 20 3_163.4	163.4	0.01	1.5	1.5	2.9	2.8	4.1	4.1	0.90
A 20 3_178.3	178.3	0.01	1.5	1.5	2.9	2.8	4.1	4.1	0.90
A 20 3_199.2	199.2	0.01	1.5	1.5	2.9	2.8	4.1	4.1	0.90
A 20 3_221.3	221.3	0.01	1.5	1.5	2.9	2.8	4.1	4.1	0.90
A 20 3_260.5	260.5	0.01	1.5	1.5	2.9	2.8	4.1	4.1	0.90
A 20 3_292.8	292.8	0.01	1.5	1.5	2.9	2.8	4.1	4.1	0.90
A 20 3_329.4	329.4	0.01	1.5	1.5	2.9	2.8	4.1	4.1	0.90
A 20 3_380.9	380.9	0.01	1.5	1.5	2.9	2.8	4.1	4.1	0.90



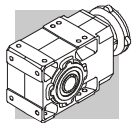
A 20

	i	J (•10-4) [kgm2]									
		SERVO									
		60A		60B 80A		95A		80C 95B 110A		95C 110B	
		SK	SC	SK	SC	SK	SC	SK	SC	SK	SC
A 20 2_5.4	5.4	—	—	—	—	—	—	5.3	5.8	5.2	6.2
A 20 2_6.5	6.5	—	—	—	—	—	—	4.8	5.3	4.7	5.7
A 20 2_7.3	7.3	1.7	1.9	1.7	2.1	4.2	4.7	4.3	4.8	4.2	5.2
A 20 2_8.4	8.4	1.4	1.6	1.4	1.8	3.9	4.6	4.0	4.5	3.9	4.9
A 20 2_9.4	9.4	1.2	1.4	1.2	1.6	3.7	4.2	3.8	4.3	3.7	4.7
A 20 2_10.3	10.3	—	—	—	—	—	—	4.1	4.6	4.0	5.0
A 20 2_12.0	12.0	0.77	1.0	0.79	1.2	3.3	3.8	3.4	3.9	3.3	4.3
A 20 2_14.1	14.1	0.97	1.2	0.99	1.4	3.5	4.0	3.6	4.1	3.5	4.5
A 20 2_16.2	16.2	0.82	1.1	0.84	1.3	3.4	3.8	3.4	3.9	3.3	4.3
A 20 2_18.1	18.1	0.67	0.93	0.69	1.1	3.2	3.7	3.3	3.8	3.2	4.2
A 20 2_21.2	21.2	0.62	0.88	0.64	1.1	3.2	3.6	3.2	3.7	3.1	4.1
A 20 2_23.1	23.1	0.57	0.83	0.59	1.0	3.1	3.6	3.2	3.7	3.1	4.1
A 20 2_26.5	26.5	0.52	0.78	0.54	0.98	3.1	3.5	3.1	3.6	3.0	4.0
A 20 2_29.2	29.2	0.47	0.73	0.49	0.93	3.0	3.5	3.1	3.6	3.0	4.0
A 20 2_31.3	31.3	0.47	0.73	0.49	0.93	3.0	3.5	3.1	3.6	3.0	4.0
A 20 2_35.4	35.4	0.47	0.73	0.49	0.93	3.0	3.5	3.1	3.6	3.0	4.0
A 20 2_39.6	39.6	0.37	0.63	0.39	0.83	2.9	3.4	3.0	3.5	2.9	3.9
A 20 2_43.2	43.2	0.37	0.63	0.39	0.83	2.9	3.4	3.0	3.5	2.9	3.9
A 20 2_48.3	48.3	0.37	0.63	0.39	0.83	2.9	3.4	3.0	3.5	2.9	3.9
A 20 2_53.7	53.7	0.37	0.63	0.39	0.83	2.9	3.4	3.0	3.5	2.9	3.9
A 20 2_63.1	63.1	0.37	0.63	0.39	0.83	2.9	3.4	3.0	3.5	2.9	3.9
A 20 2_71.0	71.0	0.32	0.58	—	—	—	—	2.9	3.4	2.8	3.8
A 20 2_79.9	79.9	0.30	0.56	—	—	—	—	2.9	3.4	2.8	3.8
A 20 2_92.3	92.3	0.29	0.55	—	—	—	—	—	—	—	—
A 20 3_109.2	109.2	0.29	0.55	0.31	0.75	2.8	3.3	2.9	3.4	2.8	3.8
A 20 3_120.5	120.5	0.29	0.55	0.31	0.75	2.8	3.3	2.9	3.4	2.8	3.8
A 20 3_129.1	129.1	0.29	0.55	0.31	0.75	2.8	3.3	2.9	3.4	2.8	3.8
A 20 3_146.1	146.1	0.29	0.55	0.31	0.75	2.8	3.3	2.9	3.4	2.8	3.8
A 20 3_163.4	163.4	0.28	0.54	0.30	0.74	2.8	3.3	2.9	3.4	2.8	3.8
A 20 3_178.3	178.3	0.28	0.54	0.30	0.74	2.8	3.3	2.9	3.4	2.8	3.8
A 20 3_199.2	199.2	0.28	0.54	0.30	0.74	2.8	3.3	2.9	3.4	2.8	3.8
A 20 3_221.3	221.3	0.28	0.54	0.30	0.74	2.8	3.3	2.9	3.4	2.8	3.8
A 20 3_260.5	260.5	0.28	0.54	0.30	0.74	2.8	3.3	2.9	3.4	2.8	3.8
A 20 3_292.8	292.8	0.28	0.54	0.30	0.74	2.8	3.3	2.9	3.4	2.8	3.8
A 20 3_329.4	329.4	0.28	0.54	0.30	0.74	2.8	3.3	2.9	3.4	2.8	3.8
A 20 3_380.9	380.9	0.28	0.54	0.30	0.74	2.8	3.3	2.9	3.4	2.8	3.8



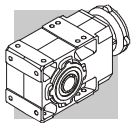
A 30

	i	J (•10-4) [kgm2]							
			IEC						
			63	71	80	90	100	112	
A 30 2_5.4	5.4	4.5	—	—	7.4	7.3	8.6	8.6	6.9
A 30 2_6.4	6.4	3.4	—	—	6.6	6.6	7.8	7.8	6.0
A 30 2_7.0	7.0	2.9	—	—	5.8	5.8	7.0	7.0	5.2
A 30 2_8.5	8.5	2.2	—	—	5.1	5.1	6.3	6.3	4.6
A 30 2_9.3	9.3	1.6	3.1	3.1	4.5	4.4	5.7	5.7	4.0
A 30 2_10.5	10.5	2.3	—	—	5.2	5.1	6.4	6.4	4.6
A 30 2_11.8	11.8	1.1	2.6	2.6	4.0	3.9	5.2	5.2	3.4
A 30 2_13.6	13.6	1.5	—	—	4.4	4.3	5.6	5.6	3.9
A 30 2_16.3	16.3	1.2	—	—	4.1	4.0	5.3	5.3	3.5
A 30 2_18.0	18.0	0.90	2.4	2.4	3.8	3.7	5.0	5.0	3.2
A 30 2_20.5	20.5	0.70	2.2	2.2	3.6	3.5	4.8	4.8	3.1
A 30 2_22.8	22.8	0.60	2.1	2.1	3.5	3.4	4.7	4.7	3.0
A 30 2_26.5	26.5	0.50	2.0	2.0	3.4	3.3	4.6	4.6	2.9
A 30 2_29.3	29.3	0.40	1.9	1.9	3.3	3.2	4.5	4.5	2.8
A 30 2_33.4	33.4	0.35	1.8	1.8	3.2	3.1	4.4	4.4	2.7
A 30 2_36.6	36.6	0.30	1.8	1.8	3.2	3.1	4.4	4.4	2.7
A 30 2_39.3	39.3	0.25	1.7	1.7	3.1	3.0	4.3	4.3	2.6
A 30 2_43.4	43.4	0.20	1.7	1.7	3.1	3.0	4.3	4.3	2.6
A 30 2_48.3	48.3	0.20	1.7	1.7	3.1	3.0	4.3	4.3	2.6
A 30 2_52.7	52.7	0.20	1.7	1.7	3.1	3.0	4.3	4.3	2.5
A 30 2_59.4	59.4	0.10	1.6	1.6	3.0	2.9	4.2	4.2	2.5
A 30 2_66.0	66.0	0.10	1.6	1.6	3.0	2.9	4.2	4.2	2.5
A 30 2_76.5	76.5	0.10	1.6	1.6	3.0	2.9	4.2	4.2	2.5
A 30 2_86.7	86.7	0.10	1.6	1.6	3.0	2.9	4.2	4.2	2.5
A 30 2_97.5	97.5	0.10	1.6	1.6	3.0	2.9	4.2	4.2	2.4
A 30 3_109.1	109.1	0.10	1.6	1.6	3.0	2.9	4.2	4.2	0.90
A 30 3_120.5	120.5	0.10	1.6	1.6	3.0	2.9	4.2	4.2	0.90
A 30 3_137.4	137.4	0.10	1.6	1.6	3.0	2.9	4.2	4.2	0.90
A 30 3_150.7	150.7	0.10	1.6	1.6	3.0	2.9	4.2	4.2	0.90
A 30 3_161.4	161.4	0.10	1.6	1.6	3.0	2.9	4.2	4.2	0.90
A 30 3_178.5	178.5	0.10	1.6	1.6	3.0	2.9	4.2	4.2	0.90
A 30 3_198.5	198.5	0.10	1.6	1.6	3.0	2.9	4.2	4.2	0.90
A 30 3_216.6	216.6	0.10	1.6	1.6	3.0	2.9	4.2	4.2	0.90
A 30 3_244.3	244.3	0.10	1.6	1.6	3.0	2.9	4.2	4.2	0.90
A 30 3_271.5	271.5	0.10	1.6	1.6	3.0	2.9	4.2	4.2	0.90
A 30 3_314.5	314.5	0.10	1.6	1.6	3.0	2.9	4.2	4.2	0.90
A 30 3_356.3	356.3	0.06	1.6	1.6	3.0	2.9	4.2	4.2	0.90
A 30 3_400.8	400.8	0.04	1.5	1.6	2.9	2.8	4.1	4.1	0.90



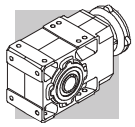
A 30

	i	J (•10-4) [kgm2]											
		SERVO											
		60A		60B 80A		95A		80C 95B 110A		95C 110B		130A	
		SK	SC	SK	SC	SK	SC	SK	SC	SK	SC	SK	SC
A 30 2_5.4	5.4	—	—	—	—	—	—	7.4	7.9	7.3	8.3	7.3	8.3
A 30 2_6.4	6.4	—	—	—	—	—	—	6.6	7.1	6.6	7.6	6.6	7.6
A 30 2_7.0	7.0	—	—	—	—	—	—	5.8	6.3	5.8	6.8	5.8	6.8
A 30 2_8.5	8.5	—	—	—	—	—	—	5.1	5.6	5.1	6.1	5.1	6.1
A 30 2_9.3	9.3	1.9	2.1	1.9	2.3	4.4	4.9	4.5	5.0	4.4	5.4	4.4	5.4
A 30 2_10.5	10.5	—	—	—	—	—	—	5.2	5.7	5.1	6.1	5.1	6.1
A 30 2_11.8	11.8	1.4	1.6	1.4	1.8	3.9	4.4	4.0	4.5	3.9	4.9	3.9	4.9
A 30 2_13.6	13.6	—	—	—	—	—	—	4.4	4.9	4.3	5.3	4.3	5.3
A 30 2_16.3	16.3	—	—	—	—	—	—	4.1	4.6	4.0	5.0	4.0	5.0
A 30 2_18.0	18.0	1.2	1.4	1.2	1.6	3.7	4.2	3.8	4.3	3.7	4.7	3.7	4.7
A 30 2_20.5	20.5	0.97	1.2	0.99	1.4	3.5	4.0	3.6	4.1	3.5	4.5	3.5	4.5
A 30 2_22.8	22.8	0.87	1.1	0.89	1.3	3.4	3.9	3.5	4.0	3.4	4.4	3.4	4.4
A 30 2_26.5	26.5	0.77	1.0	0.79	1.2	3.3	3.8	3.4	3.9	3.3	4.3	3.3	4.3
A 30 2_29.3	29.3	0.67	0.93	0.69	1.1	3.2	3.7	3.3	3.8	3.2	4.2	3.2	4.2
A 30 2_33.4	33.4	0.62	0.88	0.64	1.1	3.2	3.6	3.2	3.7	3.1	4.1	3.1	4.1
A 30 2_36.6	36.6	0.57	0.83	0.59	1.0	3.1	3.6	3.2	3.7	3.1	4.1	3.1	4.1
A 30 2_39.3	39.3	0.52	0.78	0.54	0.98	3.1	3.5	3.1	3.6	3.0	4.0	3.0	4.0
A 30 2_43.4	43.4	0.47	0.73	0.49	0.93	3.0	3.5	3.1	3.6	3.0	4.0	3.0	4.0
A 30 2_48.3	48.3	0.47	0.73	0.49	0.93	3.0	3.5	3.1	3.6	3.0	4.0	3.0	4.0
A 30 2_52.7	52.7	0.47	0.73	0.49	0.93	3.0	3.5	3.1	3.6	3.0	4.0	3.0	4.0
A 30 2_59.4	59.4	0.37	0.63	0.39	0.83	2.9	3.4	3.0	3.5	2.9	3.9	2.9	3.9
A 30 2_66.0	66.0	0.37	0.63	0.39	0.83	2.9	3.4	3.0	3.5	2.9	3.9	2.9	3.9
A 30 2_76.5	76.5	0.37	0.63	0.39	0.83	2.9	3.4	3.0	3.5	2.9	3.9	2.9	3.9
A 30 2_86.7	86.7	0.37	0.63	—	—	—	—	3.0	3.5	2.9	3.9	2.9	3.9
A 30 2_97.5	97.5	0.37	0.63	—	—	—	—	3.0	3.5	2.9	3.9	2.9	3.9
A 30 3_109.1	109.1	0.37	0.63	0.39	0.83	2.9	3.4	3.0	3.5	2.9	3.9	—	—
A 30 3_120.5	120.5	0.37	0.63	0.39	0.83	2.9	3.4	3.0	3.5	2.9	3.9	—	—
A 30 3_137.4	137.4	0.37	0.63	0.39	0.83	2.9	3.4	3.0	3.5	2.9	3.9	—	—
A 30 3_150.7	150.7	0.37	0.63	0.39	0.83	2.9	3.4	3.0	3.5	2.9	3.9	—	—
A 30 3_161.4	161.4	0.37	0.63	0.39	0.83	2.9	3.4	3.0	3.5	2.9	3.9	—	—
A 30 3_178.5	178.5	0.37	0.63	0.39	0.83	2.9	3.4	3.0	3.5	2.9	3.9	—	—
A 30 3_198.5	198.5	0.37	0.63	0.39	0.83	2.9	3.4	3.0	3.5	2.9	3.9	—	—
A 30 3_216.6	216.6	0.37	0.63	0.39	0.83	2.9	3.4	3.0	3.5	2.9	3.9	—	—
A 30 3_244.3	244.3	0.37	0.63	0.39	0.83	2.9	3.4	3.0	3.5	2.9	3.9	—	—
A 30 3_271.5	271.5	0.37	0.63	0.39	0.83	2.9	3.4	3.0	3.5	2.9	3.9	—	—
A 30 3_314.5	314.5	0.37	0.63	0.39	0.83	2.9	3.4	3.0	3.5	2.9	3.9	—	—
A 30 3_356.3	356.3	0.33	0.59	0.35	0.79	2.9	3.3	3.0	3.5	2.9	3.9	—	—
A 30 3_400.8	400.8	0.31	0.57	0.33	0.77	2.9	3.3	2.9	3.4	2.8	3.8	—	—



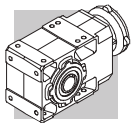
A 35

	i	J (•10-4) [kgm2]								
			IEC							
			63	71	80	90	100	112	132	
A 35 2_5.4	5.4	7.3	—	—	10	9.9	11	11	24	9.4
A 35 2_6.4	6.4	5.4	—	—	8.1	8.0	9.2	9.2	22	7.4
A 35 2_7.0	7.0	4.6	—	—	7.3	7.2	8.4	8.4	21	6.6
A 35 2_8.5	8.5	3.3	—	—	6.1	5.9	7.1	7.1	20	5.4
A 35 2_9.3	9.3	2.8	3.5	3.5	5.6	5.4	6.6	6.6	19	4.9
A 35 2_10.6	10.6	2.1	2.9	2.9	4.9	4.8	6.0	6.0	19	4.2
A 35 2_11.8	11.8	1.8	2.5	2.5	4.6	4.4	5.7	5.7	18	3.9
A 35 2_13.1	13.1	3.0	—	—	5.7	5.6	6.8	6.8	—	5.0
A 35 2_15.5	15.5	2.2	—	—	5.0	4.9	6.1	6.1	—	4.3
A 35 2_17.0	17.0	2.0	—	—	4.7	4.6	5.8	5.8	—	4.0
A 35 2_20.4	20.4	1.6	—	—	4.3	4.2	5.4	5.4	—	3.6
A 35 2_22.5	22.5	1.3	2.0	2.0	4.1	3.9	5.1	5.1	—	3.4
A 35 2_25.7	25.7	0.97	1.7	1.7	3.7	3.6	4.8	4.8	—	3.0
A 35 2_28.4	28.4	0.86	1.6	1.6	3.6	3.5	4.7	4.7	—	2.9
A 35 2_33.2	33.2	0.69	1.4	1.4	3.5	3.3	4.5	4.5	—	2.8
A 35 2_36.6	36.6	0.58	1.3	1.3	3.3	3.2	4.4	4.4	—	2.6
A 35 2_41.8	41.8	0.48	1.2	1.2	3.2	3.1	4.3	4.3	—	2.5
A 35 2_45.8	45.8	0.42	1.1	1.1	3.2	3.1	4.3	4.3	—	2.5
A 35 2_49.1	49.1	0.38	1.1	1.1	3.1	3.0	4.2	4.2	—	2.4
A 35 2_54.3	54.3	0.33	1.1	1.0	3.1	3.0	4.2	4.2	—	2.4
A 35 2_60.4	60.4	0.29	1.0	1.0	3.0	2.9	4.1	4.1	—	2.3
A 35 2_65.8	65.8	0.25	1.0	1.0	3.0	2.9	4.1	4.1	—	2.3
A 35 2_74.3	74.3	0.21	0.95	0.93	3.0	2.8	4.1	4.1	—	2.3
A 35 2_82.5	82.5	0.18	0.92	0.90	2.9	2.8	4.0	4.0	—	2.2
A 35 2_95.6	95.6	0.15	0.88	0.87	2.9	2.8	4.0	4.0	—	2.2
A 35 3_105.5	105.5	0.11	0.89	0.87	2.9	2.8	4.0	4.0	—	0.80
A 35 3_116.9	116.9	0.11	0.88	0.87	2.9	2.8	4.0	4.0	—	0.79
A 35 3_136.3	136.3	0.10	0.87	0.86	2.9	2.8	4.0	4.0	—	0.78
A 35 3_150.6	150.6	0.09	0.86	0.85	2.9	2.8	4.0	4.0	—	0.77
A 35 3_171.8	171.8	0.08	0.86	0.84	2.9	2.8	4.0	4.0	—	0.77
A 35 3_188.3	188.3	0.08	0.85	0.84	2.9	2.7	4.0	4.0	—	0.76
A 35 3_201.8	201.8	0.08	0.85	0.84	2.9	2.7	4.0	4.0	—	0.76
A 35 3_223.2	223.2	0.08	0.85	0.84	2.9	2.7	4.0	4.0	—	0.76
A 35 3_248.1	248.1	0.07	0.85	0.83	2.9	2.7	4.0	4.0	—	0.76
A 35 3_270.7	270.7	0.07	0.84	0.83	2.9	2.7	4.0	4.0	—	0.75
A 35 3_305.4	305.4	0.07	0.84	0.83	2.9	2.7	4.0	4.0	—	0.75
A 35 3_339.3	339.3	0.07	0.84	0.83	2.9	2.7	4.0	4.0	—	0.75
A 35 3_393.2	393.2	0.07	0.84	0.83	2.9	2.7	3.9	3.9	—	0.75



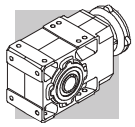
A 35

	i	J (•10-4) [kgm2]											
		SERVO											
		60A		60B 80A		95A		80C 95B 110A		95C 110B		130A	
		SK	SC	SK	SC	SK	SC	SK	SC	SK	SC	SK	SC
A 35 2_5.4	5.4	—	—	—	—	—	—	10	11	9.9	10.9	9.9	11
A 35 2_6.4	6.4	—	—	—	—	—	—	8.1	8.6	8.0	9.0	8.0	9.0
A 35 2_7.0	7.0	—	—	—	—	—	—	7.3	7.8	7.2	8.2	7.2	8.2
A 35 2_8.5	8.5	—	—	—	—	—	—	6.1	6.6	5.9	6.9	5.9	6.9
A 35 2_9.3	9.3	3.1	3.3	3.1	3.5	5.6	6.1	5.6	6.1	5.4	6.4	5.4	6.4
A 35 2_10.6	10.6	2.4	2.6	2.4	2.8	4.9	5.4	4.9	5.4	4.8	5.8	4.8	5.8
A 35 2_11.8	11.8	2.1	2.3	2.1	2.5	4.6	5.1	4.6	5.1	4.4	5.4	4.4	5.4
A 35 2_13.1	13.1	—	—	—	—	—	—	5.7	6.2	5.6	6.6	5.6	6.6
A 35 2_15.5	15.5	—	—	—	—	—	—	5.0	5.5	4.9	5.9	4.9	5.9
A 35 2_17.0	17.0	—	—	—	—	—	—	4.7	5.2	4.6	5.6	4.6	5.6
A 35 2_20.4	20.4	—	—	—	—	—	—	4.3	4.8	4.2	5.2	4.2	5.2
A 35 2_22.5	22.5	1.6	1.8	1.6	2.0	4.1	4.6	4.1	4.6	3.9	4.9	3.9	4.9
A 35 2_25.7	25.7	1.2	1.5	1.3	1.7	3.8	4.2	3.7	4.2	3.6	4.6	3.6	4.6
A 35 2_28.4	28.4	1.1	1.4	1.2	1.6	3.7	4.1	3.6	4.1	3.5	4.5	3.5	4.5
A 35 2_33.2	33.2	0.96	1.2	0.98	1.4	3.5	3.9	3.5	4.0	3.3	4.3	3.3	4.3
A 35 2_36.6	36.6	0.85	1.1	0.87	1.3	3.4	3.8	3.3	3.8	3.2	4.2	3.2	4.2
A 35 2_41.8	41.8	0.75	1.0	0.77	1.2	3.3	3.7	3.2	3.7	3.1	4.1	3.1	4.1
A 35 2_45.8	45.8	0.69	0.95	0.71	1.1	3.2	3.7	3.2	3.7	3.1	4.1	3.1	4.1
A 35 2_49.1	49.1	0.65	0.91	0.67	1.1	3.2	3.6	3.1	3.6	3.0	4.0	3.0	4.0
A 35 2_54.3	54.3	0.60	0.86	0.62	1.1	3.2	3.6	3.1	3.6	3.0	4.0	3.0	4.0
A 35 2_60.4	60.4	0.56	0.82	0.58	1.0	3.1	3.5	3.0	3.5	2.9	3.9	2.9	3.9
A 35 2_65.8	65.8	0.52	0.78	0.54	0.98	3.1	3.5	3.0	3.5	2.9	3.9	2.9	3.9
A 35 2_74.3	74.3	0.48	0.74	0.50	0.94	3.0	3.5	3.0	3.5	2.8	3.8	2.8	3.8
A 35 2_82.5	82.5	0.45	0.71	0.47	0.91	3.0	3.4	2.9	3.4	2.8	3.8	2.8	3.8
A 35 2_95.6	95.6	0.42	0.68	0.44	0.88	3.0	3.4	2.9	3.4	2.8	3.8	2.8	3.8
A 35 3_105.5	105.5	0.38	0.64	0.40	0.84	2.9	3.4	2.9	3.4	2.8	3.8	—	—
A 35 3_116.9	116.9	0.38	0.64	0.40	0.84	2.9	3.4	2.9	3.4	2.8	3.8	—	—
A 35 3_136.3	136.3	0.37	0.63	0.39	0.83	2.9	3.4	2.9	3.4	2.8	3.8	—	—
A 35 3_150.6	150.6	0.36	0.62	0.38	0.82	2.9	3.3	2.9	3.4	2.8	3.8	—	—
A 35 3_171.8	171.8	0.35	0.61	0.37	0.81	2.9	3.3	2.9	3.4	2.8	3.8	—	—
A 35 3_188.3	188.3	0.35	0.61	0.37	0.81	2.9	3.3	2.9	3.4	2.7	3.7	—	—
A 35 3_201.8	201.8	0.35	0.61	0.37	0.81	2.9	3.3	2.9	3.4	2.7	3.7	—	—
A 35 3_223.2	223.2	0.35	0.61	0.37	0.81	2.9	3.3	2.9	3.4	2.7	3.7	—	—
A 35 3_248.1	248.1	0.34	0.60	0.36	0.80	2.9	3.3	2.9	3.4	2.7	3.7	—	—
A 35 3_270.7	270.7	0.34	0.60	0.36	0.80	2.9	3.3	2.9	3.4	2.7	3.7	—	—
A 35 3_305.4	305.4	0.34	0.60	0.36	0.80	2.9	3.3	2.9	3.4	2.7	3.7	—	—
A 35 3_339.3	339.3	0.34	0.60	0.36	0.80	2.9	3.3	2.9	3.4	2.7	3.7	—	—
A 35 3_393.2	393.2	0.34	0.60	0.36	0.80	2.9	3.3	2.9	3.4	2.7	3.7	—	—



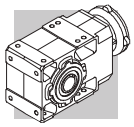
A 41

	i	J (•10-4) [kgm2]								
			IEC							
			63	71	80	90	100	112	132	
A 41 2_5.2	5.2	13	—	—	16	16	17	17	32	23
A 41 2_7.1	7.1	7.3	—	—	10	10	11	11	26	18
A 41 2_8.3	8.3	5.9	—	—	8.8	8.7	10	10	25	16
A 41 2_9.2	9.2	4.5	—	—	7.4	7.3	8.6	8.6	23	15
A 41 2_10.1	10.1	5.9	—	—	8.8	8.7	10	10	25	16
A 41 2_11.7	11.7	2.9	4.4	4.4	5.8	5.7	7.0	7.0	22	13
A 41 2_13.8	13.8	3.6	—	—	6.5	6.4	7.7	7.7	23	14
A 41 2_16.1	16.1	2.9	—	—	5.8	5.7	7.0	7.0	22	13
A 41 2_17.8	17.8	2.2	—	—	5.1	5.0	6.3	6.3	21	11
A 41 2_22.7	22.7	1.5	3.0	3.0	4.4	4.3	5.6	5.6	20	11
A 41 2_28.3	28.3	1.1	2.6	2.6	4.0	3.9	5.2	5.2	20	10
A 41 2_35.9	35.9	1.7	3.2	3.2	4.6	4.5	5.8	5.8	20	9.8
A 41 2_45.1	45.1	1.5	3.0	3.0	4.4	4.3	5.6	5.6	20	9.6
A 41 2_48.3	48.3	1.4	2.9	2.9	4.3	4.2	5.5	5.5	—	9.5
A 41 2_53.1	53.1	1.4	2.9	2.9	4.3	4.2	5.5	5.5	—	9.5
A 41 2_58.8	58.8	1.3	2.8	2.8	4.2	4.1	5.4	5.4	—	9.4
A 41 2_64.2	64.2	1.3	2.8	2.8	4.2	4.1	5.4	5.4	—	9.4
A 41 2_71.3	71.3	1.2	2.7	2.7	4.1	4.0	5.3	5.3	—	9.3
A 41 2_79.2	79.2	1.2	2.7	2.7	4.1	4.0	5.3	5.3	—	9.3
A 41 3_92.8	92.8	1.1	2.6	2.6	4.0	3.9	5.2	5.2	—	9.2
A 41 3_115.9	115.9	0.20	1.7	1.7	2.9	3.0	4.3	4.3	—	2.1
A 41 3_146.9	146.9	0.10	1.6	1.6	2.8	2.9	4.2	4.2	—	2.1
A 41 3_184.4	184.4	0.10	1.6	1.6	2.8	2.9	4.2	4.2	—	2.1
A 41 3_197.5	197.5	0.10	1.6	1.6	2.8	2.9	4.2	4.2	—	2.0
A 41 3_217.4	217.4	0.10	1.6	1.6	2.8	2.9	4.2	4.2	—	2.0
A 41 3_240.6	240.6	0.10	1.6	1.6	2.8	2.9	4.2	4.2	—	2.0
A 41 3_262.5	262.5	0.10	1.6	1.6	2.8	2.9	4.2	4.2	—	2.0
A 41 3_291.7	291.7	0.10	1.6	1.6	2.8	2.9	4.2	4.2	—	2.0
A 41 3_324.2	324.2	0.10	1.6	1.6	2.8	2.9	4.2	4.2	—	2.0
A 41 3_376.8	376.8	0.10	1.6	1.6	2.8	2.9	4.2	4.2	—	2.0



A 41

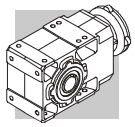
	i	J (•10-4) [kgm2]																	
		SERVO																	
		60A		60B 80A		80B		95A		80C 95B 110A		95C 110B		130A		130B 180A		180B	
		SK	SC	SK	SC	SK	SC	SK	SC	SK	SC	SK	SC	SK	SC	SK	SC	SK	SC
A 41 2_5.2	5.2	—	—	—	—	—	—	—	—	16	16.5	16	17	16	17	30	32	32	37
A 41 2_7.1	7.1	—	—	—	—	—	—	—	—	10	10.5	10	11	10	11	24	27	26	31
A 41 2_8.3	8.3	—	—	—	—	—	—	—	—	8.8	9.3	8.7	9.7	8.7	9.7	23	25	25	30
A 41 2_9.2	9.2	—	—	—	—	—	—	—	—	7.4	7.9	7.3	8.3	7.3	8.3	21	24	23	28
A 41 2_10.1	10.1	—	—	—	—	—	—	—	—	8.8	9.3	8.7	9.7	8.7	9.7	23	25	25	30
A 41 2_11.7	11.7	—	—	—	—	5.7	6.2	5.7	6.2	5.8	6.3	5.7	6.7	5.7	6.7	20	22	22	27
A 41 2_13.8	13.8	—	—	—	—	—	—	—	—	6.5	7.0	6.4	7.4	6.4	7.4	21	23	23	28
A 41 2_16.1	16.1	—	—	—	—	—	—	—	—	5.8	6.3	5.7	6.7	5.7	6.7	20	22	22	27
A 41 2_17.8	17.8	—	—	—	—	—	—	—	—	5.1	5.6	5.0	6.0	5.0	6.0	19	22	21	26
A 41 2_22.7	22.7	—	—	—	—	4.3	4.8	4.3	4.8	4.4	4.9	4.3	5.3	4.3	5.3	18	21	20	25
A 41 2_28.3	28.3	—	—	—	—	3.9	4.4	3.9	4.4	4.0	4.5	3.9	4.9	3.9	4.9	18	21	20	25
A 41 2_35.9	35.9	—	—	—	—	4.5	5.0	4.5	5.0	4.6	5.1	4.5	5.5	4.5	5.5	19	21	20	25
A 41 2_45.1	45.1	—	—	—	—	4.3	4.8	4.3	4.8	4.4	4.9	4.3	5.3	4.3	5.3	18	21	20	25
A 41 2_48.3	48.3	—	—	—	—	4.2	4.7	4.2	4.7	4.3	4.8	4.2	5.2	4.2	5.2	—	—	—	—
A 41 2_53.1	53.1	—	—	—	—	4.2	4.7	4.2	4.7	4.3	4.8	4.2	5.2	4.2	5.2	—	—	—	—
A 41 2_58.8	58.8	—	—	—	—	4.1	4.6	4.1	4.6	4.2	4.7	4.1	5.1	4.1	5.1	—	—	—	—
A 41 2_64.2	64.2	—	—	—	—	4.1	4.6	4.1	4.6	4.2	4.7	4.1	5.1	4.1	5.1	—	—	—	—
A 41 2_71.3	71.3	—	—	—	—	4.0	4.5	4.0	4.5	4.1	4.6	4.0	5.0	4.0	5.0	—	—	—	—
A 41 2_79.2	79.2	—	—	—	—	4.0	4.5	4.0	4.5	4.1	4.6	4.0	5.0	4.0	5.0	—	—	—	—
A 41 3_92.8	92.8	1.4	1.6	1.4	1.8	—	—	3.9	4.4	4.0	4.5	3.9	4.9	—	—	—	—	—	—
A 41 3_115.9	115.9	0.47	0.73	0.49	0.93	—	—	3.0	3.5	2.9	3.4	3.0	4.0	—	—	—	—	—	—
A 41 3_146.9	146.9	0.37	0.63	0.39	0.83	—	—	2.9	3.4	2.8	3.3	2.9	3.9	—	—	—	—	—	—
A 41 3_184.4	184.4	0.37	0.63	0.39	0.83	—	—	2.9	3.4	2.8	3.3	2.9	3.9	—	—	—	—	—	—
A 41 3_197.5	197.5	0.37	0.63	0.39	0.83	—	—	2.9	3.4	2.8	3.3	2.9	3.9	—	—	—	—	—	—
A 41 3_217.4	217.4	0.37	0.63	0.39	0.83	—	—	2.9	3.4	2.8	3.3	2.9	3.9	—	—	—	—	—	—
A 41 3_240.6	240.6	0.37	0.63	0.39	0.83	—	—	2.9	3.4	2.8	3.3	2.9	3.9	—	—	—	—	—	—
A 41 3_262.5	262.5	0.37	0.63	0.39	0.83	—	—	2.9	3.4	2.8	3.3	2.9	3.9	—	—	—	—	—	—
A 41 3_291.7	291.7	0.37	0.63	0.39	0.83	—	—	2.9	3.4	2.8	3.3	2.9	3.9	—	—	—	—	—	—
A 41 3_324.2	324.2	0.37	0.63	0.39	0.83	—	—	2.9	3.4	2.8	3.3	2.9	3.9	—	—	—	—	—	—
A 41 3_376.8	376.8	0.37	0.63	0.39	0.83	—	—	2.9	3.4	2.8	3.3	2.9	3.9	—	—	—	—	—	—



A 50

	i	J (•10-4) [kgm2]										
			IEC									
			63	71	80	90	100	112	132	160	180	
A 50 2_7.7	7.7	15	—	—	18	18	19	19	34	93	91	24
A 50 2_9.7	9.7	10	—	—	13	13	14	14	29	89	86	19
A 50 2_13.1	13.1	6.3	—	—	9.2	9.1	10	10	25	85	82	15
A 50 2_16.6	16.6	4.2	—	—	7.0	7.0	8.2	8.2	23	82	80	13
A 50 2_20.9	20.9	2.8	4.2	4.2	5.7	5.6	6.9	6.9	22	81	79	12
A 50 3_24.0	24.0	6.0	—	—	8.9	8.8	10	10	25	84	82	15
A 50 3_26.4	26.4	5.8	—	—	8.7	8.6	9.9	9.9	25	84	82	15
A 50 3_32.4	32.4	4.0	—	—	6.8	6.8	8.1	8.1	23	82	80	13
A 50 3_35.6	35.6	3.9	—	—	6.7	6.7	8.0	8.0	23	82	80	13
A 50 3_40.9	40.9	2.7	—	—	5.6	5.5	6.8	6.8	22	81	79	12
A 50 3_45.0	45.0	2.6	—	—	5.5	5.4	6.7	6.7	22	81	79	12
A 50 3_51.7	51.7	1.9	3.4	3.4	4.7	4.7	6.0	6.0	21	80	78	11
A 50 3_56.8	56.8	1.9	3.3	3.3	4.7	4.6	5.9	5.9	21	80	78	11
A 50 3_63.9	63.9	1.4	2.9	2.8	4.2	4.2	5.5	5.5	20	80	77	11
A 50 3_70.2	70.2	1.4	2.8	2.8	4.2	4.1	5.4	5.4	20	80	77	10
A 50 3_81.5	81.5	0.90	2.4	2.4	3.8	3.7	5.0	5.0	20	79	77	10
A 50 3_89.5	89.5	0.90	2.4	2.4	3.7	3.7	5.0	5.0	20	79	77	10
A 50 3_99.5	99.5	0.60	2.1	2.1	3.5	3.4	4.7	4.7	20	79	77	9.7
A 50 3_109.4	109.4	0.60	2.1	2.1	3.5	3.4	4.7	4.7	20	79	77	9.7
A 50 3_118.0	118.0	0.50	2.0	2.0	3.4	3.3	4.6	4.6	—	—	—	9.6
A 50 3_129.7	129.7	0.50	2.0	2.0	3.4	3.3	4.6	4.6	—	—	—	9.6
A 50 3_140.6	140.6	0.40	1.8	1.8	3.2	3.2	4.4	4.4	—	—	—	9.4
A 50 3_154.6	154.6	0.40	1.8	1.8	3.2	3.2	4.4	4.4	—	—	—	9.4
A 50 3_173.4	173.4	0.30	1.7	1.7	3.1	3.0	4.3	4.3	—	—	—	9.3
A 50 3_190.6	190.6	0.20	1.7	1.7	3.1	3.0	4.3	4.3	—	—	—	9.3

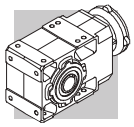
For the values of the moment of inertia of 4-stage gearboxes, please contact our Technical Service department.



A 50

	i	J (•10-4) [kgm2]									
		SERVO									
		80B 95A		80C 95B 110A		95C 110B 130A		130B 180A		180B	
		SK	SC	SK	SC	SK	SC	SK	SC	SK	SC
A 50 2_7.7	7.7	—	—	18	19	18	19	32	34	34	39
A 50 2_9.7	9.7	—	—	13	14	13	14	27	29	29	34
A 50 2_13.1	13.1	—	—	9.2	9.7	9.1	10	23	26	25	30
A 50 2_16.6	16.6	—	—	7.0	7.5	7.0	8.0	21	24	23	28
A 50 2_20.9	20.9	5.6	6.1	5.7	6.2	5.6	6.6	20	22	22	27
A 50 3_24.0	24.0	—	—	8.9	9.4	8.8	9.8	23	25	25	30
A 50 3_26.4	26.4	—	—	8.7	9.2	8.6	9.6	23	25	25	30
A 50 3_32.4	32.4	—	—	6.8	7.3	6.8	7.8	21	23	23	28
A 50 3_35.6	35.6	—	—	6.7	7.2	6.7	7.7	21	23	23	28
A 50 3_40.9	40.9	—	—	5.6	6.1	5.5	6.5	20	22	22	27
A 50 3_45.0	45.0	—	—	5.5	6.0	5.4	6.4	20	22	22	27
A 50 3_51.7	51.7	4.7	5.1	4.7	5.2	4.7	5.7	19	21	21	26
A 50 3_56.8	56.8	4.7	5.1	4.7	5.2	4.6	5.6	19	21	21	26
A 50 3_63.9	63.9	4.2	4.7	4.2	5.2	4.2	5.2	18	21	20	25
A 50 3_70.2	70.2	4.2	4.7	4.2	5.2	4.1	5.1	18	21	20	25
A 50 3_81.5	81.5	3.7	4.1	3.8	4.3	3.7	4.7	18	20	20	25
A 50 3_89.5	89.5	3.7	4.1	3.7	4.2	3.7	4.7	18	20	20	25
A 50 3_99.5	99.5	3.4	3.9	3.5	4.0	3.4	4.4	18	20	20	25
A 50 3_109.4	109.4	3.4	3.9	3.5	4.0	3.4	4.4	18	20	20	25
A 50 3_118.0	118.0	3.3	3.8	3.4	4.0	3.3	4.3	—	—	—	—
A 50 3_129.7	129.7	3.3	3.8	3.4	4.0	3.3	4.3	—	—	—	—
A 50 3_140.6	140.6	3.2	3.7	3.2	3.7	3.2	4.2	—	—	—	—
A 50 3_154.6	154.6	3.2	3.7	3.2	3.7	3.2	4.2	—	—	—	—
A 50 3_173.4	173.4	3.1	3.6	3.1	3.6	3.0	4.0	—	—	—	—
A 50 3_190.6	190.6	3.0	3.5	3.1	3.6	3.0	4.0	—	—	—	—

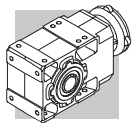
For the values of the moment of inertia of 4-stage gearboxes, please contact our Technical Service department.



A 55

	i	J (•10-4) [kgm2]									
			IEC								
			63	71	80	90	100	112	132	160	180	
A 55 2_4.9	4.9	61	—	—	—	—	—	—	77	123	120	70
A 55 2_6.4	6.4	41	—	—	—	—	—	—	57	103	100	50
A 55 2_8.5	8.5	26	—	—	—	—	—	—	42	88	85	35
A 55 2_10.4	10.4	19	—	—	—	—	—	—	35	81	78	28
A 55 2_13.1	13.1	12	—	—	14	14	17	17	28	74	72	21
A 55 2_15.7	15.7	8.9	—	—	11	11	14	14	25	71	68	18
A 55 2_19.2	19.2	6.2	—	—	8.6	8.5	11	11	23	68	66	15
A 55 3_23.8	23.8	11	—	—	13	13	16	16	27	73	70	20
A 55 3_29.9	29.9	7.9	—	—	10	10	13	13	24	70	67	17
A 55 3_40.3	40.3	5.3	—	—	7.8	7.6	10	10	22	68	65	14
A 55 3_51.0	51.0	3.6	—	—	6.0	5.9	8.6	8.6	20	66	63	13
A 55 3_64.3	64.3	2.6	3.1	3.0	5.1	5.0	7.7	7.7	19	65	62	12
A 55 3_79.5	79.5	2.0	2.4	2.4	4.5	4.4	7.1	7.1	18	64	62	11
A 55 3_101.4	101.4	1.3	1.8	1.8	3.8	3.7	6.5	6.5	18	64	61	10
A 55 3_123.9	123.9	1.0	1.5	1.5	3.6	3.4	6.2	6.2	17	63	61	10
A 55 3_132.7	132.7	0.71	1.4	1.4	3.5	3.3	6.1	6.1	—	—	—	9.5
A 55 3_146.8	146.8	0.66	1.4	1.4	3.4	3.3	6.0	6.0	—	—	—	9.4
A 55 3_160.4	160.4	0.58	1.3	1.3	3.3	3.2	6.0	6.0	—	—	—	9.4
A 55 3_175.0	175.0	0.50	1.2	1.2	3.3	3.1	5.9	5.9	—	—	—	9.3
A 55 3_194.2	194.2	0.43	1.2	1.2	3.2	3.1	5.8	5.8	—	—	—	9.2

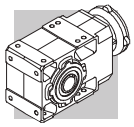
For the values of the moment of inertia of 4-stage gearboxes, please contact our Technical Service department.



A 55

	i	J (•10-4) [kgm2]									
		SERVO									
		80B 95A		80C 95B 110A		95C 110B 130A		130B 180A		180B	
		SK	SC	SK	SC	SK	SC	SK	SC	SK	SC
A 55 2_4.9	4.9	—	—	—	—	—	—	78	80	77	82
A 55 2_6.4	6.4	—	—	—	—	—	—	58	60	57	62
A 55 2_8.5	8.5	—	—	—	—	—	—	43	45	42	47
A 55 2_10.4	10.4	—	—	—	—	—	—	36	38	35	40
A 55 2_13.1	13.1	—	—	14	15	14	15	29	31	28	33
A 55 2_15.7	15.7	—	—	11	12	11	12	26	28	25	30
A 55 2_19.2	19.2	—	—	8.6	9.1	8.5	9.5	23	26	23	28
A 55 3_23.8	23.8	—	—	13	14	13	14	28	30	27	32
A 55 3_29.9	29.9	—	—	10	11	10	11	25	27	24	29
A 55 3_40.3	40.3	—	—	7.8	8.3	7.6	8.6	22	25	22	27
A 55 3_51.0	51.0	—	—	6.0	6.5	5.9	6.9	21	23	20	25
A 55 3_64.3	64.3	5.4	5.9	5.1	5.6	5.0	6.0	20	22	19	24
A 55 3_79.5	79.5	4.8	5.3	4.5	5.0	4.4	5.4	19	21	18	23
A 55 3_101.4	101.4	4.1	4.6	3.8	4.3	3.7	4.7	18	21	18	23
A 55 3_123.9	123.9	3.8	4.3	3.6	4.1	3.4	4.4	18	20	17	22
A 55 3_132.7	132.7	3.5	4.0	3.5	4.0	3.3	4.3	—	—	—	—
A 55 3_146.8	146.8	3.5	3.9	3.4	3.9	3.3	4.3	—	—	—	—
A 55 3_160.4	160.4	3.4	3.8	3.3	3.8	3.2	4.2	—	—	—	—
A 55 3_175.0	175.0	3.3	3.8	3.3	3.8	3.1	4.1	—	—	—	—
A 55 3_194.2	194.2	3.3	3.7	3.2	3.7	3.1	4.1	—	—	—	—

For the values of the moment of inertia of 4-stage gearboxes, please contact our Technical Service department.



A 60

	i	J (•10-4) [kgm2]									
			IEC								
			63	71	80	90	100	112	132	160	180	
A 60 2_7.9	7.9	36	—	—	—	—	—	—	54	114	112	57
A 60 2_10.3	10.3	23	—	—	25	25	27	27	41	101	99	44
A 60 2_12.7	12.7	16	—	—	19	19	20	20	35	94	92	37
A 60 2_16.7	16.7	9.4	—	—	12	12	14	14	28	88	85	30
A 60 2_20.6	20.6	6.7	—	—	9.6	9.5	11	11	26	85	83	28
A 60 3_25.7	25.7	14	—	—	17	17	18	18	33	92	90	35
A 60 3_27.9	27.9	14	—	—	17	17	18	18	33	92	90	35
A 60 3_31.7	31.7	10	—	—	13	13	15	15	29	89	86	31
A 60 3_34.3	34.3	10	—	—	13	13	14	14	29	89	86	31
A 60 3_41.7	41.7	6.1	—	—	9.0	8.9	10	10	25	84	82	27
A 60 3_45.2	45.2	6.1	—	—	8.9	8.9	10	10	25	84	82	27
A 60 3_51.3	51.3	5.0	—	—	7.4	7.4	8.7	8.7	24	83	81	26
A 60 3_55.6	55.6	4.5	—	—	7.4	7.3	8.6	8.6	23	83	81	26
A 60 3_65.0	65.0	3.2	4.7	4.6	6.1	6.0	7.3	7.3	22	82	79	24
A 60 3_70.4	70.4	3.2	4.7	4.6	6.1	6.0	7.3	7.3	22	81	79	24
A 60 3_79.7	79.7	2.1	3.6	3.5	5.0	4.9	6.2	6.2	21	80	78	23
A 60 3_86.4	86.4	2.1	3.6	3.5	5.0	4.9	6.2	6.2	21	80	78	23
A 60 3_99.5	99.5	2.0	3.5	3.4	4.3	4.3	5.6	5.6	20	80	78	23
A 60 3_107.8	107.8	1.5	3.0	2.9	4.3	4.3	5.6	5.6	20	80	78	22
A 60 3_123.0	123.0	1.1	2.6	2.5	4.0	3.9	5.2	5.2	20	79	77	22
A 60 3_133.3	133.3	1.1	2.6	2.5	3.9	3.9	5.2	5.2	20	79	77	22
A 60 3_144.0	144.0	0.80	2.3	2.2	3.7	3.6	5.0	5.0	—	—	—	22
A 60 3_156.0	156.0	0.80	2.3	2.2	3.7	3.6	5.0	5.0	—	—	—	22
A 60 3_171.5	171.5	0.60	2.1	2.0	3.5	3.4	4.7	4.7	—	—	—	22
A 60 3_185.8	185.8	0.60	2.1	2.0	3.5	3.4	4.7	4.7	—	—	—	22

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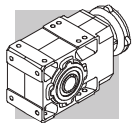

A 60

	i	J (•10-4) [kgm2]									
		SERVO									
		95A		80C 95B 110A		95C 110B 130A		130B 180A		180B	
		SK	SC	SK	SC	SK	SC	SK	SC	SK	SC
A 60 2_7.9	7.9	—	—	—	—	—	—	53	55	54	59
A 60 2_10.3	10.3	—	—	25	26	25	26	40	42	41	46
A 60 2_12.7	12.7	—	—	19	20	19	20	33	35	35	40
A 60 2_16.7	16.7	—	—	12	13	12	13	26	29	28	33
A 60 2_20.6	20.6	—	—	9.6	10	9.5	10	24	26	26	31
A 60 3_25.7	25.7	—	—	17	18	17	18	31	33	33	38
A 60 3_27.9	27.9	—	—	17	18	17	18	31	33	33	38
A 60 3_31.7	31.7	—	—	13	14	13	14	27	29	29	34
A 60 3_34.3	34.3	—	—	13	14	13	14	27	29	29	34
A 60 3_41.7	41.7	—	—	9.0	9.5	8.9	9.9	23	26	25	30
A 60 3_45.2	45.2	—	—	8.9	9.4	8.9	9.9	23	26	25	30
A 60 3_51.3	51.3	—	—	7.4	7.9	7.4	8.4	22	24	24	29
A 60 3_55.6	55.6	—	—	7.4	7.9	7.3	8.3	21	24	23	28
A 60 3_65.0	65.0	6.0	6.5	6.1	6.6	6.0	7.0	20	23	22	27
A 60 3_70.4	70.4	6.0	6.5	6.1	6.6	6.0	7.0	20	23	22	27
A 60 3_79.7	79.7	4.9	5.4	5.0	5.5	4.9	5.9	19	22	21	26
A 60 3_86.4	86.4	4.9	5.4	5.0	5.5	4.9	5.9	19	22	21	26
A 60 3_99.5	99.5	4.8	5.3	4.3	4.8	4.3	5.3	19	21	20	25
A 60 3_107.8	107.8	4.3	4.8	4.3	4.8	4.3	5.3	18	21	20	25
A 60 3_123.0	123.0	3.9	4.4	4.0	4.5	3.9	4.9	18	21	20	25
A 60 3_133.3	133.3	3.9	4.4	3.9	4.4	3.9	4.9	18	21	20	25
A 60 3_144.0	144.0	3.6	4.1	3.7	4.2	3.6	4.6	—	—	—	—
A 60 3_156.0	156.0	3.6	4.1	3.7	4.2	3.6	4.6	—	—	—	—
A 60 3_171.5	171.5	3.4	3.9	3.5	4.0	3.4	4.4	—	—	—	—
A 60 3_185.8	185.8	3.4	3.9	3.5	4.0	3.4	4.4	—	—	—	—

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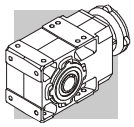

A 70

	i	J (•10-4) [kgm2]											
			IEC										
			80	90	100	112	132	160	180	200	225	250	
A 70 3_9.4	9.4	—	—	—	—	—	—	187	185	194	—	—	150
A 70 3_10.2	10.2	—	—	—	—	—	—	183	180	190	—	—	146
A 70 3_12.1	12.1	—	—	—	—	—	—	150	148	157	—	—	113
A 70 3_13.1	13.1	—	—	—	—	—	—	147	145	154	—	—	111
A 70 3_15.4	15.4	45	—	—	—	—	64	124	121	161	—	—	87
A 70 3_16.7	16.7	44	—	—	—	—	63	122	120	129	—	—	85
A 70 3_19.7	19.7	30	—	—	—	—	49	109	107	—	—	—	72
A 70 3_21.3	21.3	29	—	—	—	—	48	108	106	—	—	—	71
A 70 3_23.5	23.5	—	—	—	—	—	—	116	114	123	—	—	79
A 70 3_27.8	27.8	—	—	—	—	—	—	118	116	125	—	—	81
A 70 3_30.1	30.1	—	—	—	—	—	—	117	115	124	—	—	81
A 70 3_35.4	35.4	26	—	—	—	—	45	104	102	111	—	—	67
A 70 3_38.4	38.4	25	—	—	—	—	44	104	101	111	—	—	67
A 70 3_45.2	45.2	18	—	—	—	—	37	97	94	—	—	—	59
A 70 3_49.0	49.0	18	—	—	—	—	37	96	94	—	—	—	59
A 70 3_53.2	53.2	15	—	—	—	—	34	93	91	—	—	—	56
A 70 3_57.7	57.7	15	—	—	—	—	34	93	91	—	—	—	56
A 70 3_66.9	66.9	9.7	12	12	13	13	29	88	86	—	—	—	51
A 70 3_72.5	72.5	9.6	12	12	13	13	28	88	86	—	—	—	51
A 70 3_79.3	79.3	6.8	9.4	9.3	11	11	26	85	83	—	—	—	48
A 70 3_85.9	85.9	6.7	9.3	9.3	11	11	26	85	83	—	—	—	48
A 70 3_96.2	96.2	5.4	8.2	8.2	9.4	9.4	24	84	82	—	—	—	47
A 70 3_104.2	104.2	5.4	8.2	8.1	9.4	9.4	24	84	81	—	—	—	47
A 70 3_120.6	120.6	3.4	6.2	6.2	7.5	7.5	22	82	79	—	—	—	45
A 70 3_130.7	130.7	3.4	6.2	6.2	7.4	7.4	22	82	79	—	—	—	45
A 70 3_141.9	141.9	2.4	5.3	5.2	6.5	6.5	21	81	78	—	—	—	44
A 70 3_153.7	153.7	2.4	5.2	5.2	6.5	6.5	21	81	78	—	—	—	44

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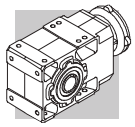

A 80

	i	J (•10-4) [kgm2]										
			IEC									
			80	90	100	112	132	160	180	200	225	250	
A 80 3_9.8	9.8	—	—	—	—	—	—	—	320	333	611	—	286
A 80 3_10.7	10.7	—	—	—	—	—	—	—	309	323	601	—	276
A 80 3_12.3	12.3	—	—	—	—	—	—	239	239	253	531	—	205
A 80 3_13.3	13.3	—	—	—	—	—	—	232	233	246	524	—	199
A 80 3_15.5	15.5	—	—	—	—	—	—	187	185	194	478	—	150
A 80 3_16.7	16.7	—	—	—	—	—	—	183	180	190	474	—	150
A 80 3_19.3	19.3	69	—	—	—	—	88	147	145	154	440	—	111
A 80 3_20.9	20.9	66	—	—	—	—	85	145	142	152	437	—	108
A 80 3_22.6	22.6	—	—	—	—	—	—	—	205	219	496	—	171
A 80 3_24.5	24.5	—	—	—	—	—	—	—	203	217	494	—	169
A 80 3_28.2	28.2	—	—	—	—	—	—	165	166	179	457	—	132
A 80 3_30.6	30.6	—	—	—	—	—	—	164	164	178	456	—	130
A 80 3_35.5	35.5	—	—	—	—	—	—	140	138	147	432	—	104
A 80 3_38.5	38.5	—	—	—	—	—	—	140	137	147	431	—	103
A 80 3_44.5	44.5	39	—	—	—	—	58	118	115	125	410	—	81
A 80 3_48.2	48.2	39	—	—	—	—	58	117	115	124	410	—	90
A 80 3_55.2	55.2	29	—	—	—	—	48	108	105	136	399	—	70
A 80 3_59.8	59.8	29	—	—	—	—	48	107	105	136	399	—	70
A 80 3_66.8	66.8	22	—	—	—	—	41	101	98	128	391	—	63
A 80 3_72.4	72.4	22	—	—	—	—	41	100	98	128	391	—	63
A 80 3_82.3	82.3	15	17	17	18	18	34	94	91	120	384	—	56
A 80 3_89.2	89.2	15	17	17	18	18	34	93	91	120	386	—	56
A 80 3_96.0	96.0	14	16	16	17	17	32	92	90	119	382	—	55
A 80 3_104.0	104.0	13	16	16	17	17	32	92	89	119	382	—	55
A 80 3_116.0	116.0	9.1	12	12	13	13	28	87	85	—	—	—	50
A 80 3_125.6	125.6	9.1	12	12	13	13	28	87	85	—	—	—	50
A 80 3_144.7	144.7	5.4	8.3	8.2	10	10	24	84	82	—	—	—	47
A 80 3_156.8	156.8	5.4	3.0	2.9	4.2	4.2	19	78	76	—	—	—	41

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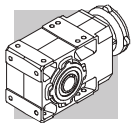
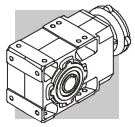


A 90

	i	J (•10-4) [kgm2]										
			IEC									
			80	90	100	112	132	160	180	200	225	250	
A 90 3_9.7	9.7	—	—	—	—	—	—	—	597	611	889	918	898
A 90 3_10.5	10.5	—	—	—	—	—	—	—	575	589	867	896	876
A 90 3_12.6	12.6	—	—	—	—	—	—	—	402	416	693	723	703
A 90 3_13.7	13.7	—	—	—	—	—	—	—	389	403	681	710	690
A 90 3_15.6	15.6	—	—	—	—	—	—	—	306	319	597	627	607
A 90 3_16.9	16.9	—	—	—	—	—	—	—	297	311	589	618	598
A 90 3_19.4	19.4	—	—	—	—	—	—	236	234	243	527	559	530
A 90 3_21.0	21.0	—	—	—	—	—	—	231	228	238	522	553	524
A 90 3_22.3	22.3	—	—	—	—	—	—	—	326	340	618	647	627
A 90 3_24.1	24.1	—	—	—	—	—	—	—	322	336	614	643	623
A 90 3_29.1	29.1	—	—	—	—	—	—	—	243	257	535	564	544
A 90 3_31.5	31.5	—	—	—	—	—	—	—	241	254	532	562	542
A 90 3_35.8	35.8	—	—	—	—	—	—	—	201	215	493	522	502
A 90 3_38.8	38.8	—	—	—	—	—	—	—	200	213	491	521	500
A 90 3_44.6	44.6	—	—	—	—	—	—	169	166	176	460	491	462
A 90 3_48.3	48.3	—	—	—	—	—	—	168	165	175	459	490	461
A 90 3_55.0	55.0	66	—	—	—	—	85	144	142	151	437	468	438
A 90 3_59.6	59.6	66	—	—	—	—	84	144	141	151	436	468	437
A 90 3_68.8	68.8	48	—	—	—	—	67	126	124	154	418	449	416
A 90 3_74.5	74.5	47	—	—	—	—	66	126	123	154	417	449	416
A 90 3_80.4	80.4	43	—	—	—	—	62	121	119	149	412	443	412
A 90 3_87.1	87.1	43	—	—	—	—	62	121	119	148	412	443	412
A 90 3_98.6	98.6	28	30	30	32	32	47	106	104	134	397	428	399
A 90 3_106.8	106.8	28	30	30	31	31	47	106	104	133	397	428	399
A 90 3_116.9	116.9	23	25	25	26	26	41	101	99	128	391	423	394
A 90 3_126.6	126.6	22	25	25	26	26	41	101	98	128	391	422	394
A 90 3_139.4	139.4	15	17	17	19	19	33	93	91	—	—	—	386
A 90 3_151.0	151.0	14	3.0	3.0	4.3	4.3	19	79	76	—	—	—	372

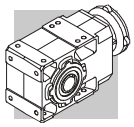
For the values of the moment of inertia of 4-stage gearboxes, please contact our Technical Service department.



42 EXACT RATIOS

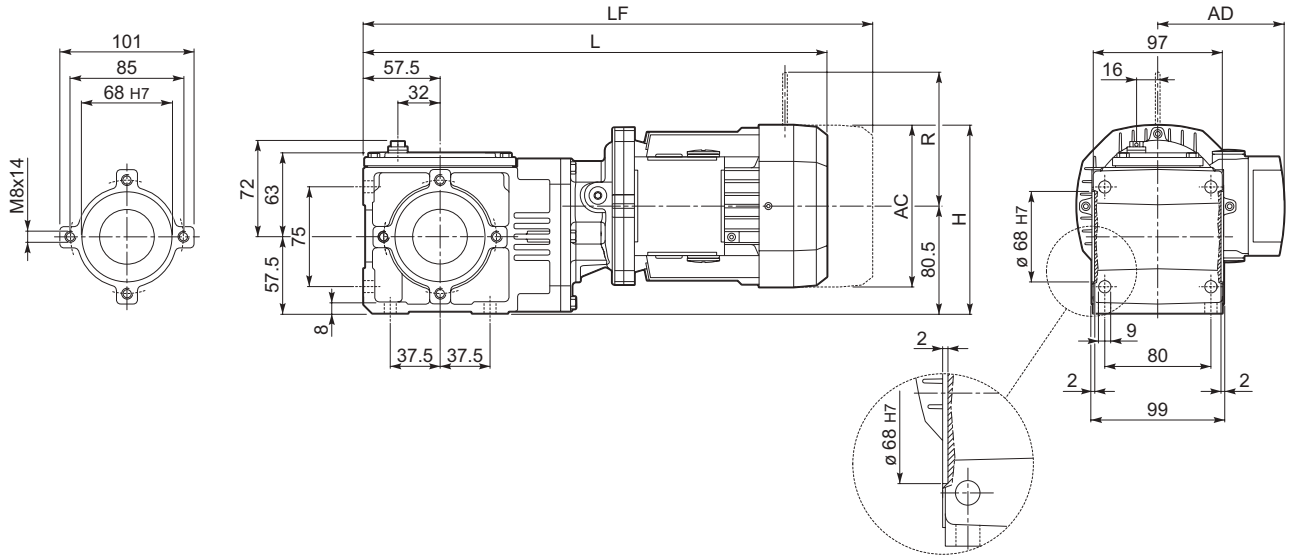
i_N	A 05	A 10	A 20	A 30	A 35	A 41	A 50	A 55	A 60	A 70	A 80	A 90
5.0								4.94505				
5.6	5.46559	5.46559	5.35117	5.41311	5.41311	5.24476						
6.3	6.33484	6.33484	6.53846	6.41026	6.41026			6.41026				
7.1	7.21154	7.21154	7.28745	7.02341	7.02341	7.12251						
8.0	8.51648	8.51648	8.37104	8.46154	8.46154	8.33333	7.73684	8.46154	7.86420			
9.0	9.61538	9.61538	9.37500	9.31174	9.31174	9.19732				9.43946		9.67545
10.0	10.55639	10.55639	10.33540	10.45503	10.63348	10.12987	9.73401	10.35503	10.31579	10.22609	9.83278	10.48174
11.2				11.77885	11.77885	11.74089				12.08027	10.65217	12.64214
12.5	12.30769	12.30769	11.96581		13.06878		13.10700	13.07692	12.70370	13.08696	12.27130	13.69565
14.0	13.92857	13.92857	14.07519	13.56522	15.47619	13.75661				15.40468	13.29391	15.57512
16.0	16.44898	16.44898	16.16807	16.34286	16.95652	16.09524	16.57005	15.68047	16.73663	16.68841	15.45151	16.87304
18.0	18.57143	18.57143	18.10714	17.98496		17.76398					19.33779	19.38462
20.0	21.35714	21.35714	21.22449	20.53782	20.42857		20.91813	19.23077	20.5942	19.66555	20.94928	21.00000
22.4	23.77143	23.77143	23.11111	22.75000	22.48120	22.67669				21.30435	22.61538	22.25354
25.0	25.46939	25.46939	26.46429	26.53061	25.67227		24.04795	23.79021	25.71012	23.52000	24.50000	24.10800
28.0	28.57143	28.57143	29.21905	29.30159	28.43750	28.32143	26.43733		27.85263	27.78462	28.22400	29.07692
31.5	32.19048	32.19048	31.30612	33.42857	33.16327		32.38095	29.93134	31.66154	30.10000	30.57600	31.50000
35.5	35.11688	35.11688	35.42857	36.64762	36.62698	35.90476	35.59829		34.30000	35.43077	35.53846	35.82277
40.0	40.85714	40.85714	39.61905	39.26531	41.78571	45.06667	40.93645	40.30303	41.71282	38.38333	38.50000	38.80800
45.0	45.39683	45.39683	43.22078	43.42857	45.80952	48.28571	45.00386		45.18889	45.23077	44.47692	44.58462
50.0	51.25714	51.25714	48.28571	48.28571	49.08163	53.14286	51.67843	50.95166	51.32709	49.00000	48.18333	48.30000
56.0	58.60317	58.60317	53.65079	52.67532	54.28571	58.80952	56.81314		55.60435	53.23314	55.18154	55.03077
63.0	65.92857	65.92857	63.14286	59.42857	60.35714	64.15584	63.89011	64.32168	64.98947	66.94154	66.80237	59.61667
71.0			70.98413	66.03175	65.84416	71.31429	70.23817		70.40526	72.52000	72.36923	68.75077
80.0	76.40816	76.40816	79.85714	76.51429	74.28571	79.23810	81.45055	79.52098	79.71923	79.32781	82.32000	80.37160
90.0	91.61905	91.61905	92.32653	86.66667	82.53968	92.76828	89.54339		86.36250	85.93846	89.18000	87.06923
100.0				97.50000	95.64286		99.53407	101.37762	99.50769	96.21818	104.03077	98.60308
112.2			109.16518	109.07029	105.54155	115.86039	109.42367	123.88531	107.80000	104.23636	115.95524	116.90414
125.0			120.52857	120.46208	116.90972		129.67046	132.73427	123.02769	120.61538	125.61818	126.64615
140.0			146.14286	137.42857	136.33787	146.88312	140.61938	146.80796	144.04260	141.86014	144.73846	139.39301
160.0			163.42857	161.42404	150.57760		154.59118	160.43706	171.46573	169.75499	156.80000	166.12694
180.0			178.28571	178.53968	171.78571	184.36364	173.36264	175.02225	185.75455	183.90123	171.29752	179.97085
200.0			199.17857	198.50794	201.78005	197.53247	190.58777	194.19860	208.73017		214.73193	209.01044
225.0			221.30952	216.55411	223.17460	217.40260	231.98700	208.05260	226.12435	220.25418	232.62626	226.42797
250.0			260.46429	244.31746	248.13492	240.58442	260.88462		264.29053	238.60870		
280.0			292.80952	271.46384	270.69264	291.74026	286.80584	262.64685	286.31474	292.01619	277.28428	281.43590
315.0			329.41071	314.55873	305.39683	324.15584	332.58974		324.19154	316.35088	300.39130	304.88889
355.0				356.29630	339.32981	376.83117	365.63552	324.71066	351.20750	369.38462	353.96864	355.79521
400.0			380.84694	400.83333	393.19841		406.43077		404.66462	400.16667	383.46603	385.44482
450.0							446.81331	413.95862	438.38667	475.76068	442.07937	449.15802
500.0							481.63314	505.86503	500.31262	515.40741	478.91932	486.58785
560.0							574.19580	541.99825	585.77325	595.03590	560.45035	555.29467
630.0							631.24731	655.11801	634.58769	644.62222	607.15455	601.56923
710.0							707.89744	714.67419	697.29399	705.13609	703.46182	707.91953
800.0							778.23340	792.97762	755.40182	855.27273	829.52598	766.91282
900.0										926.54545	898.65315	865.09065
1000.0										1072.13675	1001.43166	1025.1594
1125.0										1161.48148	1084.88430	1110.58935
1250.0										1242.33846	1236.85594	1222.17967
1400.0										1345.86667	1339.92727	1324.02797
1600.0										1583.07692	1557.66545	1506.76450
1800.0										1715.00000		1632.32821

2x 3x 4x



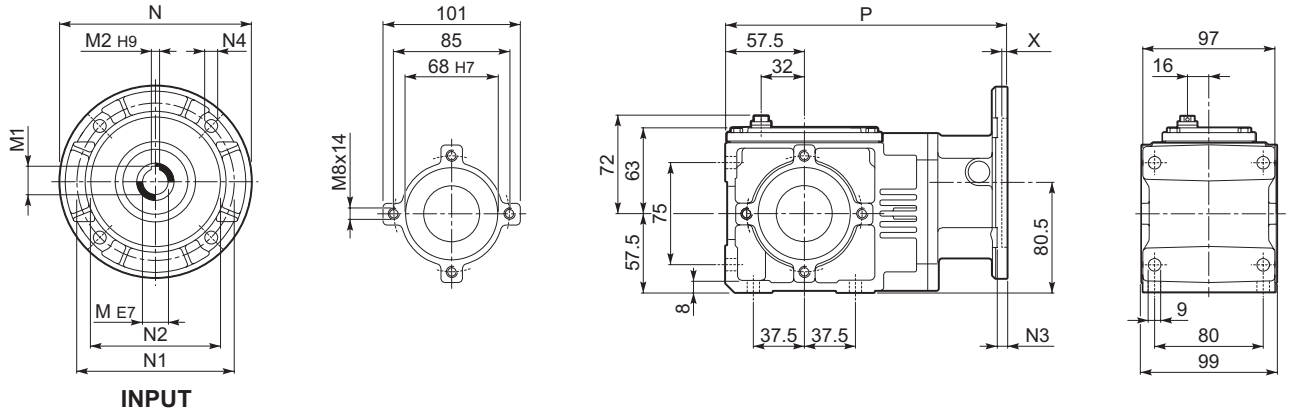
43 DIMENSIONS

A 05...M/ME/MX



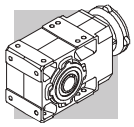
								M...FD M...FA		M...FD		M...FA	
			AC	H	L	AD		LF		R	AD	R	AD
A 05 2	**S05**	**M05**	121	141	360.5	95	7.5	426.5	9	96	122	116	95
A 05 2	**S1**	**M1**	138	149.5	389.5	108	11.5	450.5	14	103	135	124	108
A 05 2	**S2**	**ME2S**	156	158.5	418.5	119	15.5	—	—	—	—	—	—
A 05 2	**S2**	**MX2S**	156	158.5	452.5	119	20.6	—	—	—	—	—	—

A 05...P(IEC)

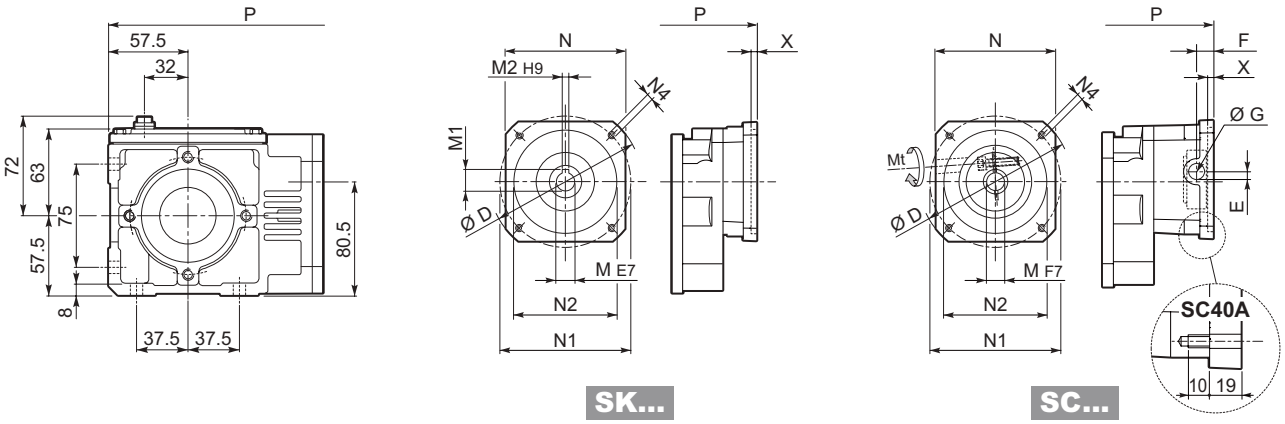


		M	M1	M2	N	N1	N2	N3	N4	X	P	
A 05 2	**P63**	11	12.8	4	140	115	95	7	9.5	3.5	206	5
A 05 2	**P71**	14	16.3	5	160	130	110	7	9.5	4	213	5
A 05 2	**P80**	19	20.8	6	200	165	130	7	11.5	4	223	5.5

Lowered key of Bonfiglioli supply



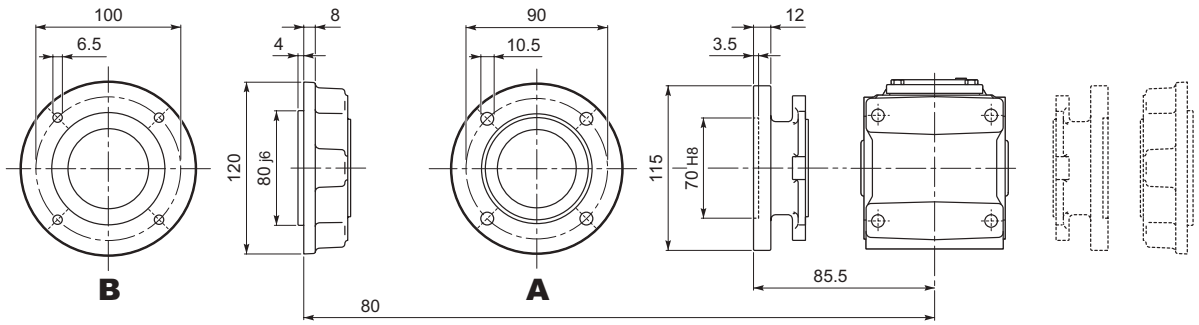
A 05...SK / SC



		D	M	M1	M2	N	N1	N2	N4	X	P	
A 05 2	**SK40A**	74	9	10.4	3	55	63	40	M5x10	3	207.5	5
A 05 2	**SK60A**	102	11	12.8	4	82	75	60	M5x10	3.5	206	5
A 05 2	**SK60B**	102	14	16.3	5	82	75	60	M5x10	4	213	5
A 05 2	**SK80A**	115	14	16.3	5	90	100	80	M6x12	4	213	5

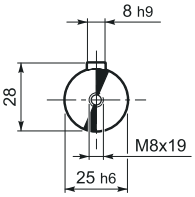
			Mt [Nm]	D	E	F	G	M	N	N1	N2	N4	X	P	
A 05 2	**SC40A**	M5	15	74	10.5	9.5	12.5	9	55	63	40	M5x10	3	226.5	6
A 05 2	**SC60A**	M6	15	102	7	12.5	12.5	11	82	75	60	M5x10	4	233	6
A 05 2	**SC60B**	M6	15	102	7	12.5	12.5	14	82	75	60	M5x10	4	233	6
A 05 2	**SC80A**	M6	15	115	6	12.5	12.5	14	90	100	80	M6x12	4	233	6

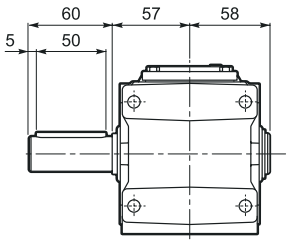
A 05...F...



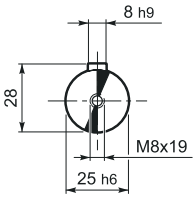
A 05

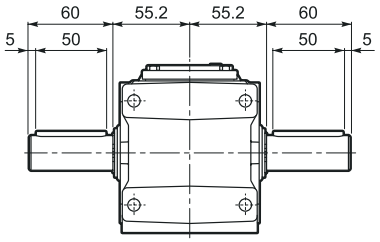
A 05...UR



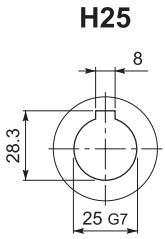


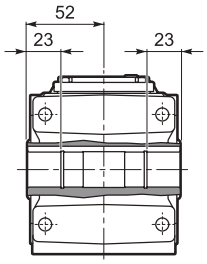
A 05...UD



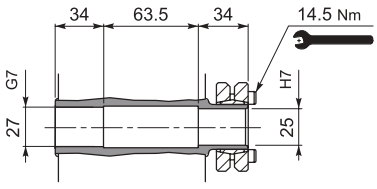


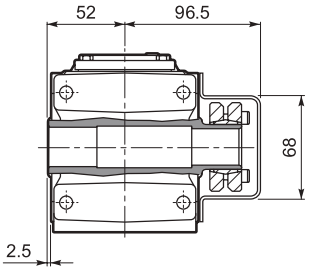
A 05...UH



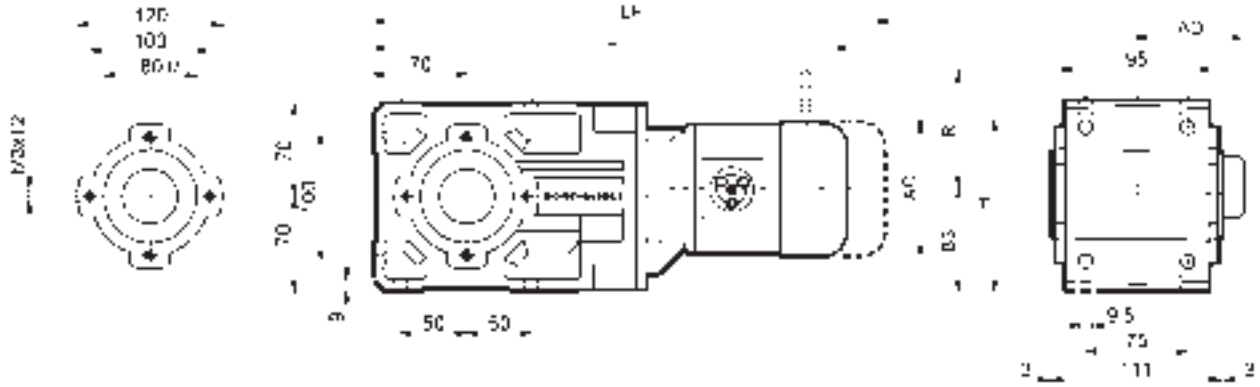


A 05...US

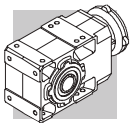




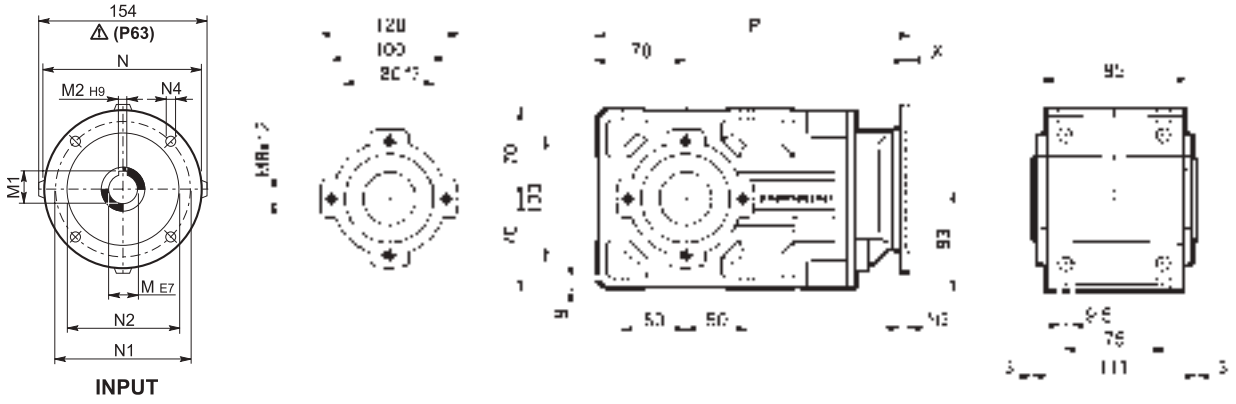
A 10...M/ME/MX



								M...FD M...FA		M...FD		M...FA	
			AC	H	L	AD		LF		R	AD	R	AD
A 10 2	**S05**	**M05**	121	143.5	408.5	95	12	474.5	14	96	122	116	95
A 10 2	**S1**	**M1**	138	152	437.5	108	14	498.5	17	103	135	124	108
A 10 2	**S2**	**ME2S**	156	161	466.5	119	18	—	—	—	—	—	—
A 10 2	**S2**	**MX2S**	156	161	510.5	119	23.1	—	—	—	—	—	—
A 10 2	**S3**	**ME3S**	195	180.5	509.5	142	24.5	—	—	—	—	—	—
A 10 2	**S3**	**MX3S**	195	180.5	541.5	142	27.5	—	—	—	—	—	—
A 10 2	**S3**	**ME3L**	195	180.5	541.5	142	30	—	—	—	—	—	—
A 10 2	**S3**	**MX3L**	195	180.5	585.5	142	36	—	—	—	—	—	—

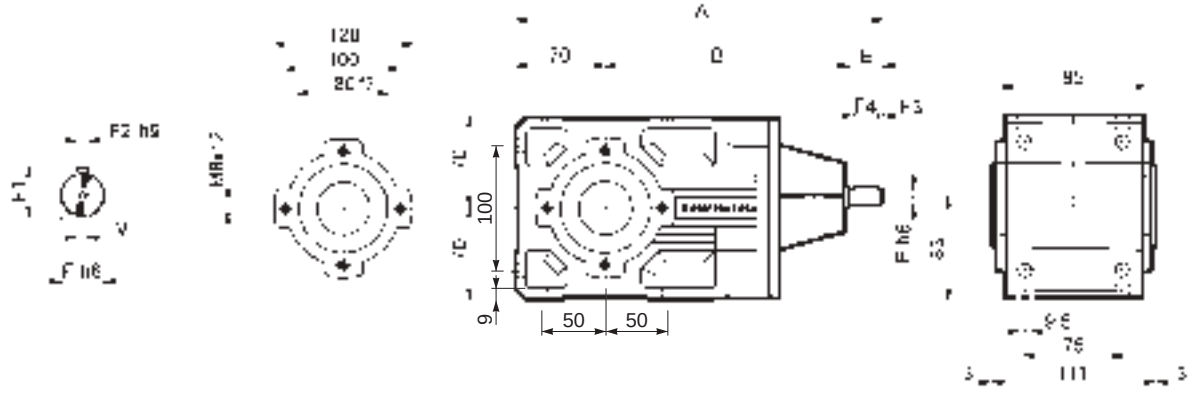


A 10...P(IEC)

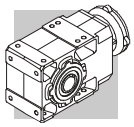


		M	M1	M2	N	N1	N2	N3	N4	X	P	
A 10 2	**P63**	11	12.8	4	140	115	95	—	M8x10	4	282.5	8
A 10 2	**P71**	14	16.3	5	160	130	110	—	M8x10	4.5	282.5	9
A 10 2	**P80**	19	21.8	6	200	165	130	—	M10x14.5	4	302	9
A 10 2	**P90**	24	27.3	8	200	165	130	—	M10x14.5	4	302	9
A 10 2	**P100**	28	31.3	8	250	215	180	—	M12x16	4.5	312	13
A 10 2	**P112**	28	31.3	8	250	215	180	—	M12x16	4.5	312	13

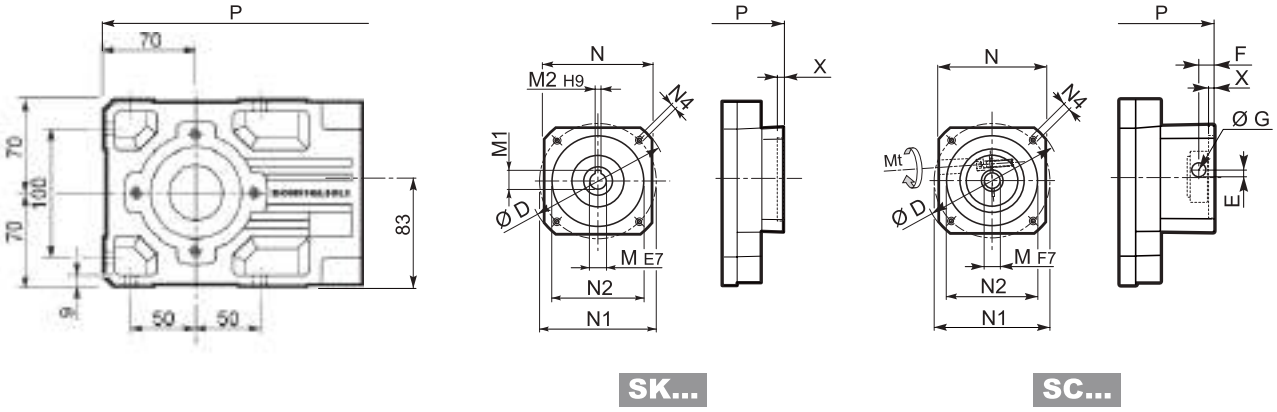
A 10...HS



		A	B	E	F	F1	F2	F3	F4	V	
A 10 2	**HS**	289.5	179.5	40	16	18	5	2.5	35	M6x16	7.8



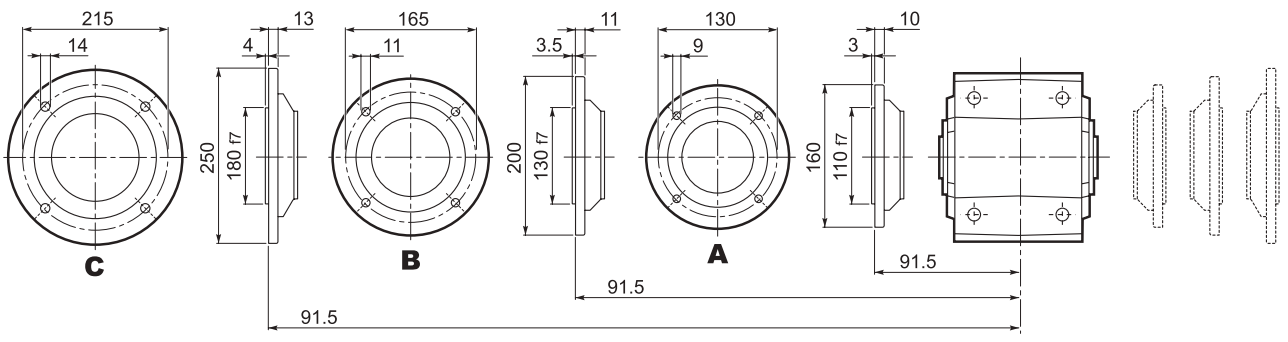
A 10...SK / SC



		D	M	M1	M2	N	N1	N2	N4	X	P	
A 10 2	**SK60A**	102	11	12.8	4	82	75	60	M5x10	3.5	254	8
A 10 2	**SK60B**	102	14	16.3	5	82	75	60	M5x10	4	261	8
A 10 2	**SK80A**	115	14	16.3	5	90	100	80	M6x12	4	261	8
A 10 2	**SK80C**	120	19	21.8	6	96	100	80	M6x12	4	302	9
A 10 2	**SK95A**	130	14	16.3	5	102	115	95	M8x12	4	302	9
A 10 2	**SK95B**	130	19	21.8	6	102	115	95	M8x12	4	302	9
A 10 2	**SK95C**	130	24	27.3	8	102	115	95	M8x12	4	302	9
A 10 2	**SK110A**	150	19	21.8	6	120	130	110	M8x12	5	302	9
A 10 2	**SK110B**	150	24	27.3	8	120	130	110	M8x12	5	302	9

			Mt [Nm]	**D**	**E**	**F**	**G**	**M**	**N**	**N1**	**N2**	**N4**	**X**	**P**	
A 10 2	**SC60A**	M6	15	102	7	12.5	12.5	11	82	75	60	M5x10	4	281	9
A 10 2	**SC60B**	M6	15	102	7	12.5	12.5	14	82	75	60	M5x10	4	281	9
A 10 2	**SC80A**	M6	15	115	6	12.5	12.5	14	90	100	80	M6x12	4	281	9
A 10 2	**SC80C**	M6	15	120	15.5	14.5	17.75	19	96	100	80	M6x12	4	325.5	10
A 10 2	**SC95A**	M6	15	130	16.5	15	17.75	14	102	115	95	M8x16	4	325.5	10
A 10 2	**SC95B**	M6	15	130	16.5	15	17.75	19	102	115	95	M8x16	4	325.5	10
A 10 2	**SC95C**	M6	15	130	16.5	15	17.75	24	102	115	95	M8x16	4	325.5	10
A 10 2	**SC110A**	M6	15	150	16.5	16	17.75	19	120	130	110	M8x16	5	325.5	12
A 10 2	**SC110B**	M6	15	150	16.5	16	17.75	24	120	130	110	M8x16	5	325.5	12

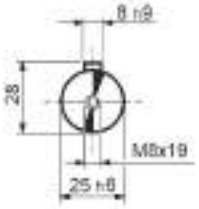
A 10...F...

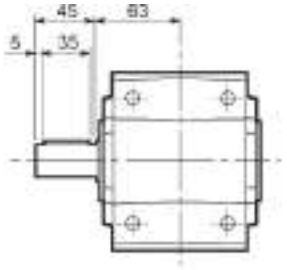


Bonfiglioli Riduttori

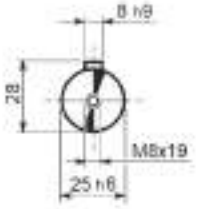
A 10

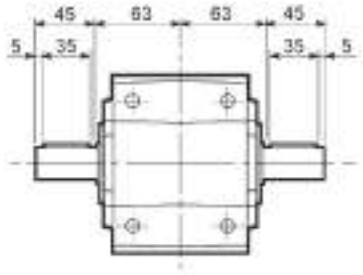
A 10...UR



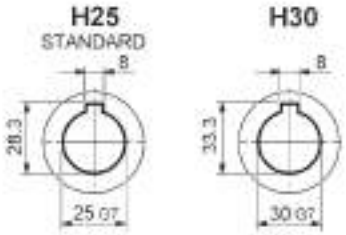


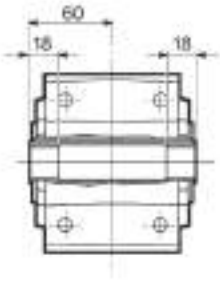
A 10...UD



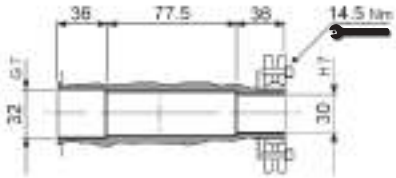


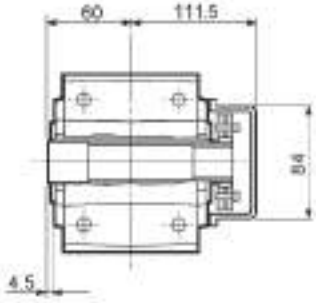
A 10...UH





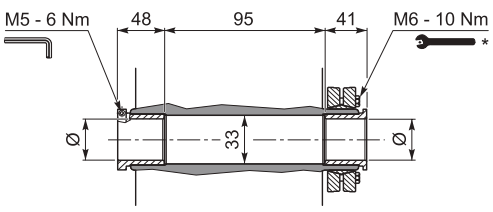
A 10...US

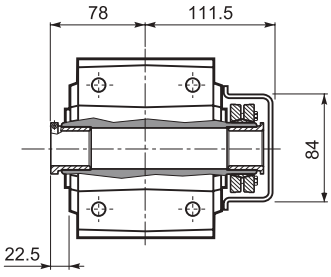




A10...QF

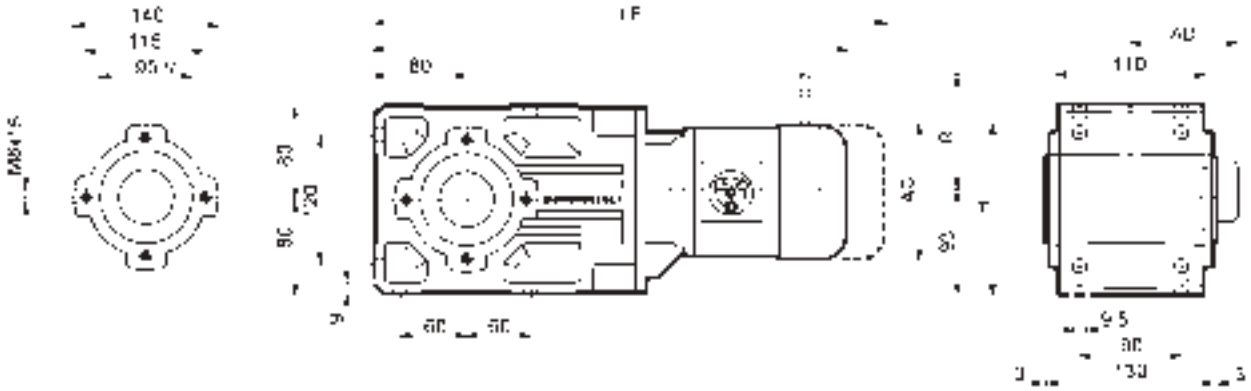
	Ø
QF25	25
QF30	30



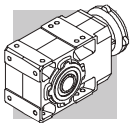


* Follow the MOUNTING INSTRUCTIONS supplied with the gearbox.supplied with the gearbox.

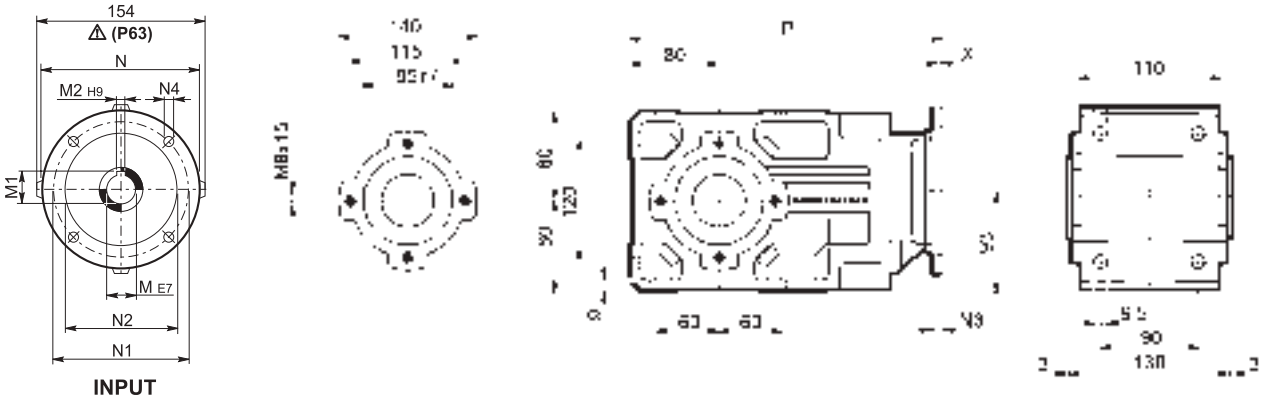
A 20...M/ME/MX



								M...FD M...FA		M...FD		M...FA	
			AC	H	L	AD		LF		R	AD	R	AD
A 20 2	**S05**	**M05**	121	143.5	432	95	16	498	18	96	122	116	95
A 20 2	**S1**	**M1**	138	152	461	108	18	522	21	103	135	124	108
A 20 2	**S2**	**ME2S**	156	161	490	119	22	—	—	—	—	—	—
A 20 2	**S2**	**MX2S**	156	161	434	119	27.1	—	—	—	—	—	—
A 20 2	**S3**	**ME3S**	195	180.5	533	142	28.5	—	—	—	—	—	—
A 20 2	**S3**	**MX3S**	195	180.5	565	142	31.5	—	—	—	—	—	—
A 20 2	**S3**	**ME3L**	195	180.5	565	142	34	—	—	—	—	—	—
A 20 2	**S3**	**MX3L**	195	180.5	609	142	40	—	—	—	—	—	—
A 20 3	**S05**	**M05**	121	143.5	457.5	95	16	553.5	18	96	122	116	95
A 20 3	**S1**	**M1**	138	152	486.5	108	19	577.5	21	103	135	124	108
A 20 3	**S2**	**ME2S**	156	161	545.5	119	23	—	—	—	—	—	—
A 20 3	**S2**	**MX2S**	156	161	589.5	119	28.1	—	—	—	—	—	—
A 20 3	**S3**	**ME3S**	195	180.5	588.5	142	29.5	—	—	—	—	—	—
A 20 3	**S3**	**MX3S**	195	180.5	620.5	142	32.5	—	—	—	—	—	—
A 20 3	**S3**	**ME3L**	195	180.5	620.5	142	35	—	—	—	—	—	—
A 20 3	**S3**	**MX3L**	195	180.5	664.5	142	41	—	—	—	—	—	—

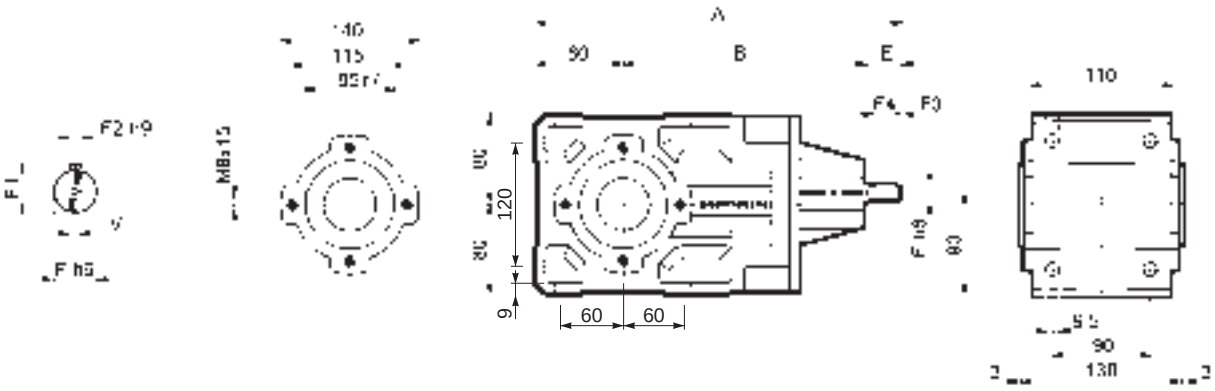


A 20...P(IEC)

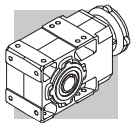


		M	M1	M2	N	N1	N2	N3	N4	X	P	
A 20 2	**P63**	11	12.8	4	140	115	95	—	M8x19	4	306	12
A 20 2	**P71**	14	16.3	5	160	130	110	—	M8x16	4.5	306	12
A 20 2	**P80**	19	21.8	6	200	165	130	—	M10x14.5	4	325.5	13
A 20 2	**P90**	24	27.3	8	200	165	130	—	M10x14.5	4	325.5	13
A 20 2	**P100**	28	31.3	8	250	215	180	—	M12x16	4.5	335.5	17
A 20 2	**P112**	28	31.3	8	250	215	180	—	M12x16	4.5	335.5	17
A 20 3	**P63**	11	12.8	4	140	115	95	—	M8x19	4	361.5	13
A 20 3	**P71**	14	16.3	5	160	130	110	—	M8x16	4.5	361.5	13
A 20 3	**P80**	19	21.8	6	200	165	130	—	M10x14.5	4	381	14
A 20 3	**P90**	24	27.3	8	200	165	130	—	M10x14.5	4	381	14
A 20 3	**P100**	28	31.3	8	250	215	180	—	M12x16	4.5	391	18
A 20 3	**P112**	28	31.3	8	250	215	180	—	M12x16	4.5	391	18

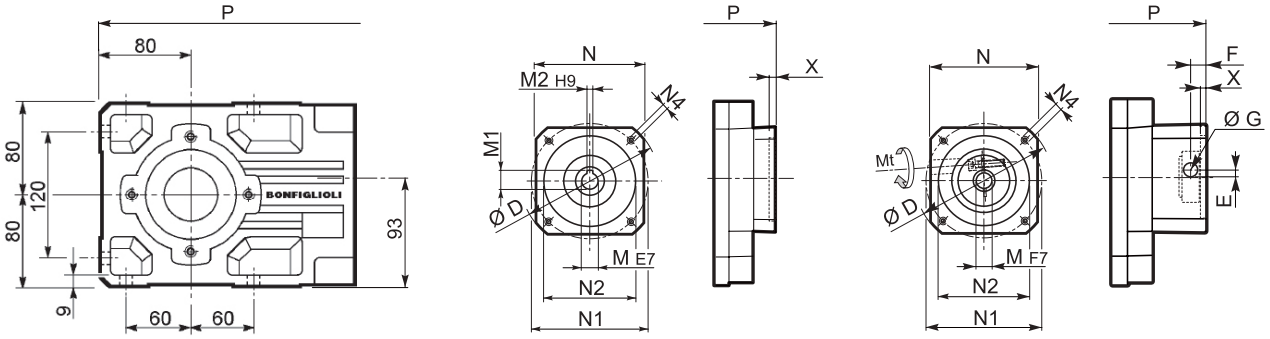
A 20...HS



		A	B	E	F	F1	F2	F3	F4	V	
A 20 2	**HS**	356	236	40	19	21.5	6	2.5	35	M6x16	11.9
A 20 3		368.5	248.5	40	16	18	5	2.5	35	M6x16	12.2



A 20...SK / SC



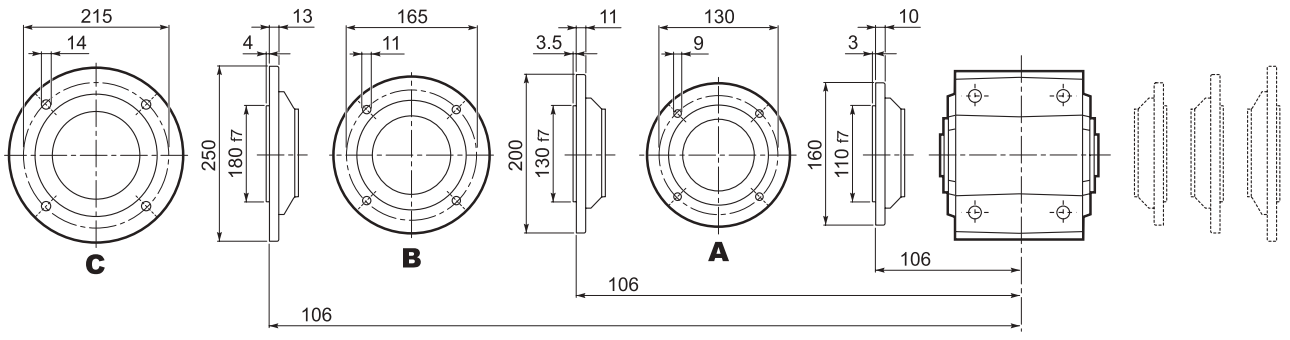
SK...

SC...

		D	M	M1	M2	N	N1	N2	N4	X	P 2x	P 3x	
A 20 2/3	**SK60A**	102	11	12.8	4	82	75	60	M5x10	3.5	277.5	333	11/12
A 20 2/3	**SK60B**	102	14	16.3	5	82	75	60	M5x10	4	284.5	340	12/13
A 20 2/3	**SK80A**	115	14	16.3	5	90	100	80	M6x12	4	284.5	340	12/13
A 20 2/3	**SK80C**	120	19	21.8	6	96	100	80	M6x12	4	325.5	381	13/14
A 20 2/3	**SK95A**	130	14	16.3	5	102	115	95	M8x12	4	325.5	381	13/14
A 20 2/3	**SK95B**	130	19	21.8	6	102	115	95	M8x12	4	325.5	381	13/14
A 20 2/3	**SK95C**	130	24	27.3	8	102	115	95	M8x12	4	325.5	381	13/14
A 20 2/3	**SK110A**	150	19	21.8	6	120	130	110	M8x12	5	325.5	381	13/14
A 20 2/3	**SK110B**	150	24	27.3	8	120	130	110	M8x12	5	325.5	381	13/14

			Mt [Nm]	D	E	F	G	M	N	N1	N2	N4	X	P 2x	P 3x	
A 20 2/3	**SC60A**	M6	15	102	7	12.5	12.5	11	82	75	60	M5x10	4	304.5	360	12/13
A 20 2/3	**SC60B**	M6	15	102	7	12.5	12.5	14	82	75	60	M5x10	4	304.5	360	13/14
A 20 2/3	**SC80A**	M6	15	115	6	12.5	12.5	14	90	100	80	M6x12	4	304.5	360	13/14
A 20 2/3	**SC80C**	M6	15	120	15.5	14.5	17.75	19	96	100	80	M6x12	4	349	404.5	14/15
A 20 2/3	**SC95A**	M6	15	130	16.5	15	17.75	14	102	115	95	M8x16	4	349	404.5	14/15
A 20 2/3	**SC95B**	M6	15	130	16.5	15	17.75	19	102	115	95	M8x16	4	349	404.5	14/15
A 20 2/3	**SC95C**	M6	15	130	16.5	15	17.75	24	102	115	95	M8x16	4	349	404.5	14/15
A 20 2/3	**SC110A**	M6	15	150	16.5	16	17.75	19	120	130	110	M8x16	5	349	404.5	15/16
A 20 2/3	**SC110B**	M6	15	150	16.5	16	17.75	24	120	130	110	M8x16	5	349	404.5	15/16

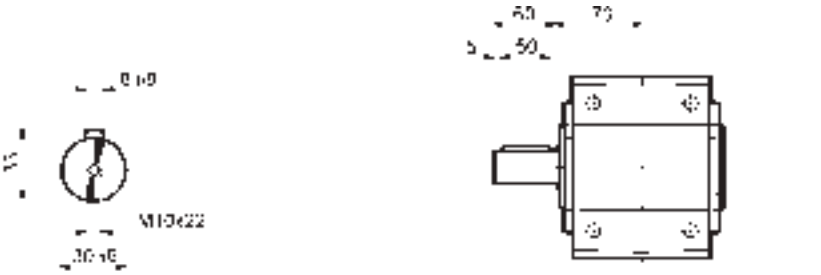
A 20...F...



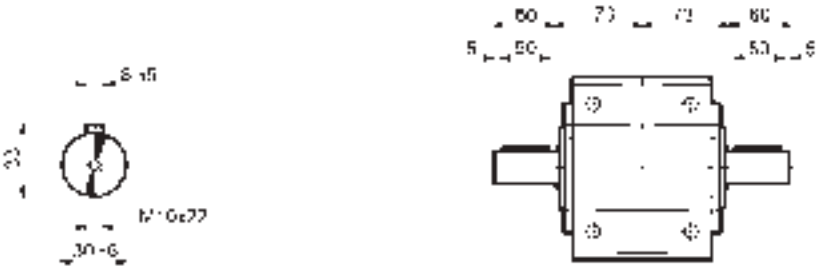
Bonfiglioli Riduttori

A 20

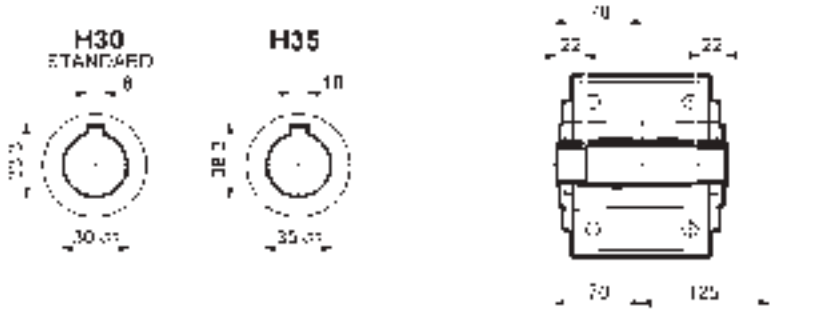
A 20...UR



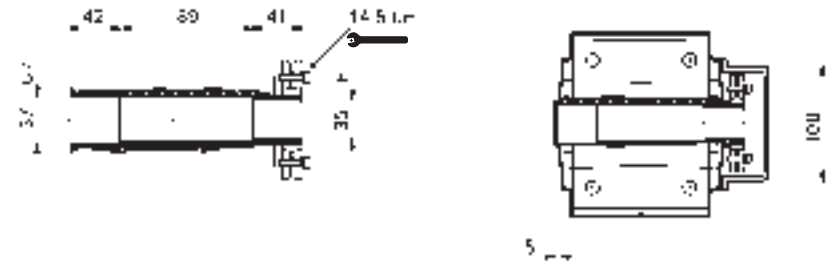
A 20...UD



A 20...UH

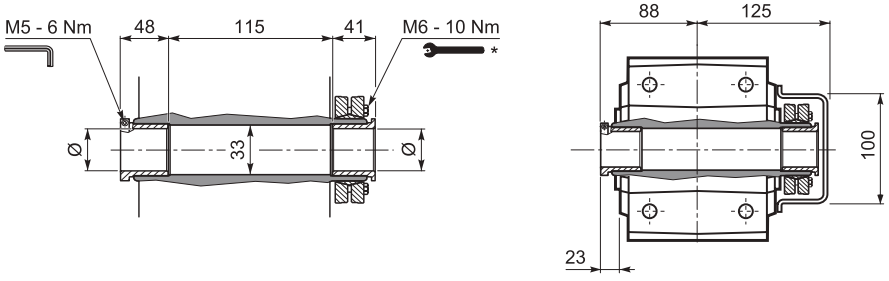


A 20...US

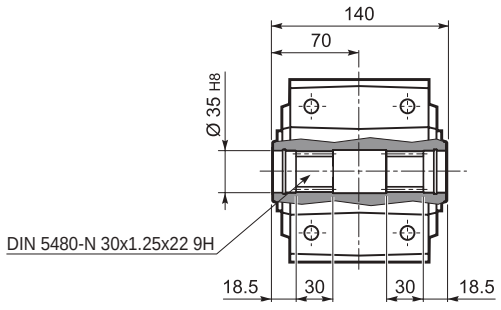


A 20...QF

	Ø
QF25	25
QF30	30

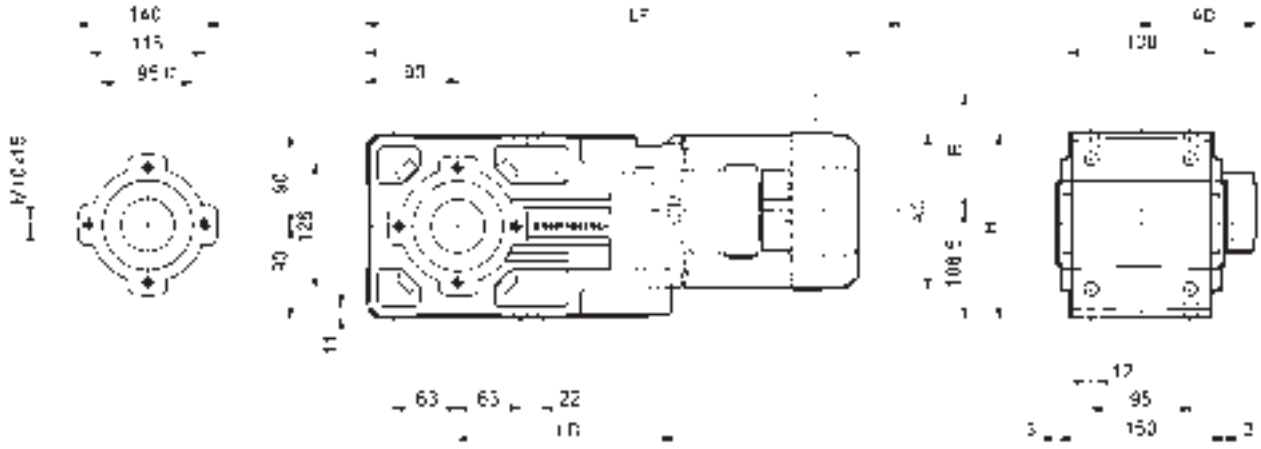


A 20...UV



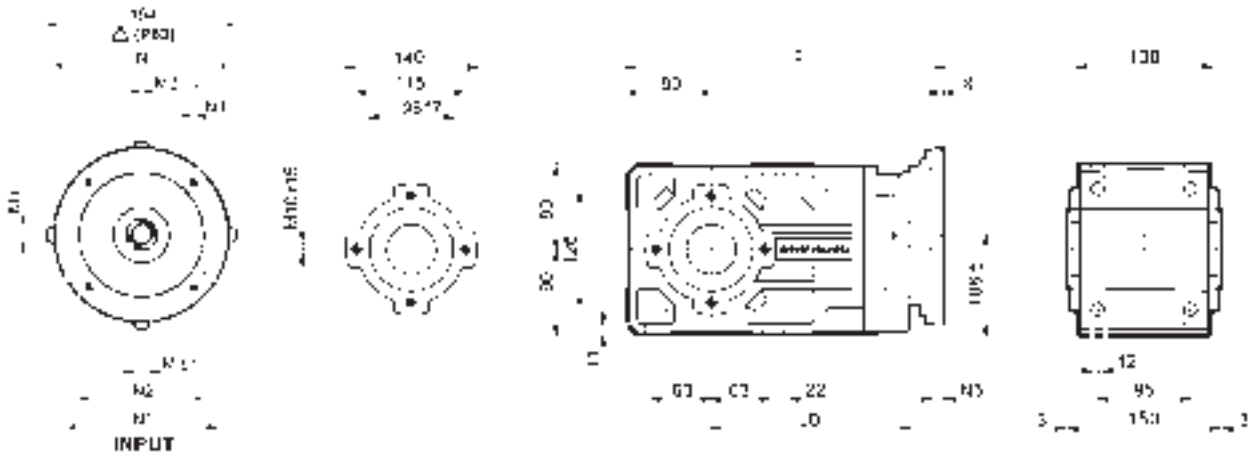
* Follow the MOUNTING INSTRUCTIONS supplied with the gearbox.

A 30...M/ME/MX



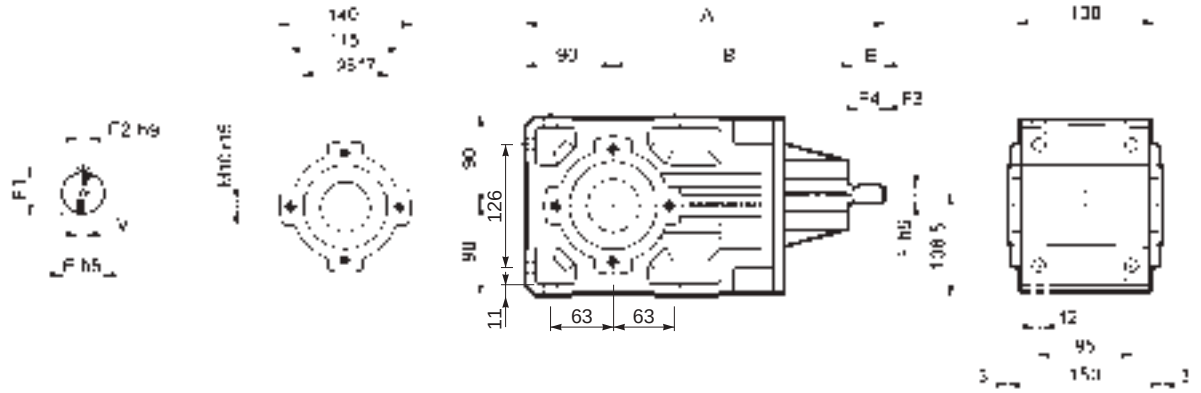
									M...FD M...FA		M...FD		M...FA	
			AC	H	L	LD	AD		LF		R	AD	R	AD
A 30 2	**S1**	**M1**	138	177.5	488	201	108	22	549	24	103	135	124	108
A 30 2	**S2**	**ME2S**	156	186.5	517	213	119	25	—	—	—	—	—	—
A 30 2	**S2**	**MX2S**	156	186.5	561	213	119	30.1	—	—	—	—	—	—
A 30 2	**S3**	**ME3S**	195	206	560	223	142	31.5	—	—	—	—	—	—
A 30 2	**S3**	**MX3S**	195	206	592	223	142	34.5	—	—	—	—	—	—
A 30 2	**S3**	**ME3L**	195	206	592	223	142	38	—	—	—	—	—	—
A 30 2	**S3**	**MX3L**	195	206	636	223	142	44	—	—	—	—	—	—
A 30 3	**S05**	**M05**	121	169	516.5	—	95	21	582.5	22	96	122	116	95
A 30 3	**S1**	**M1**	138	177.5	545.5	—	108	23	606.5	26	103	135	124	108
A 30 3	**S2**	**ME2S**	156	186.5	574.5	—	119	25	—	—	—	—	—	—
A 30 3	**S2**	**MX2S**	156	186.5	618.5	—	119	30.1	—	—	—	—	—	—
A 30 3	**S3**	**ME3S**	195	206	617.5	—	142	31.5	—	—	—	—	—	—
A 30 3	**S3**	**MX3S**	195	206	649.5	—	142	34.5	—	—	—	—	—	—
A 30 3	**S3**	**ME3L**	195	206	649.5	—	142	38	—	—	—	—	—	—
A 30 3	**S3**	**MX3L**	195	206	693.5	—	142	44	—	—	—	—	—	—

A 30...P(IEC)

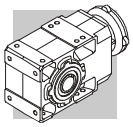


		LD	M	M1	M2	N	N1	N2	N3	N4	X	P	kg
A 30 2	**P63**	213	11	12.8	4	140	115	95	—	M8x19	4	333	16
A 30 2	**P71**	213	14	16.3	5	160	130	110	—	M8x16	4.5	333	16
A 30 2	**P80**	223	19	21.8	6	200	165	130	—	M10x14.5	4	352.5	17
A 30 2	**P90**	223	24	27.3	8	200	165	130	—	M10x14.5	4	352.5	17
A 30 2	**P100**	223	28	31.3	8	250	215	180	—	M12x16	4.5	362.5	20
A 30 2	**P112**	223	28	31.3	8	250	215	180	—	M12x16	4.5	362.5	20
A 30 3	**P63**	—	11	12.8	4	140	115	95	—	M8x19	4	390.5	17
A 30 3	**P71**	—	14	16.3	5	160	130	110	—	M8x16	4.5	390.5	17
A 30 3	**P80**	—	19	21.8	6	200	165	130	—	M10x14.5	4	410	18
A 30 3	**P90**	—	24	27.3	8	200	165	130	—	M10x14.5	4	410	18
A 30 3	**P100**	—	28	31.3	8	250	215	180	—	M12x16	4.5	420	22
A 30 3	**P112**	—	28	31.3	8	250	215	180	—	M12x16	4.5	420	22

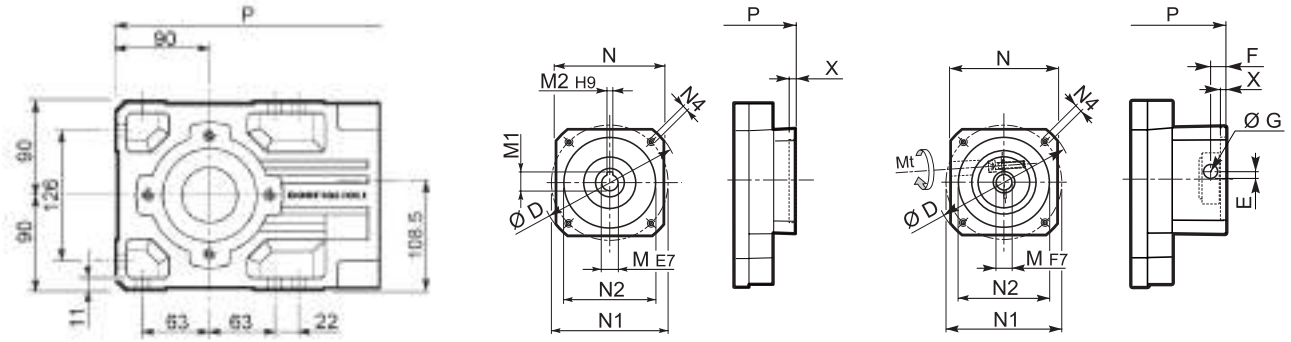
A 30...HS



		A	B	E	F	F1	F2	F3	F4	V	kg
A 30 2	**HS**	383	253	40	19	21.5	6	2.5	35	M6x16	16.7
A 30 3		397.5	267.5	40	16	18	5	2.5	35	M6x16	16.5



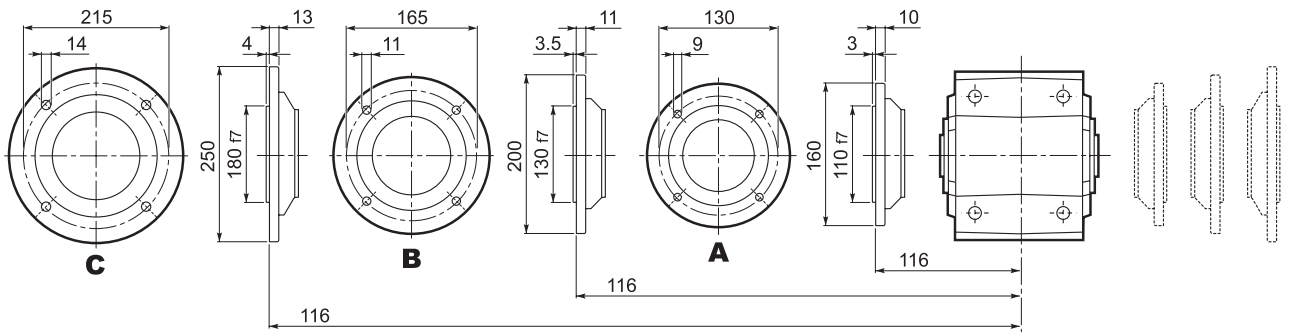
A 30...SK / SC



		D	M	M1	M2	N	N1	N2	N4	X	P 2x	P 3x	
A 30 2/3	**SK60A**	102	11	12.8	4	82	75	60	M5x10	3.5	304.5	362	15/16
A 30 2/3	**SK60B**	102	14	16.3	5	82	75	60	M5x10	4	311.5	369	16/17
A 30 2/3	**SK80A**	115	14	16.3	5	90	100	80	M6x12	4	311.5	369	16/17
A 30 2/3	**SK80C**	120	19	21.8	6	96	100	80	M6x12	4	352.5	410	17/18
A 30 2/3	**SK95A**	130	14	16.3	5	102	115	95	M8x12	4	352.5	410	17/18
A 30 2/3	**SK95B**	130	19	21.8	6	102	115	95	M8x12	4	352.5	410	17/18
A 30 2/3	**SK95C**	130	24	27.3	8	102	115	95	M8x12	4	352.5	410	17/18
A 30 2/3	**SK110A**	150	19	21.8	6	120	130	110	M8x12	5	352.5	410	17/18
A 30 2/3	**SK110B**	150	24	27.3	8	120	130	110	M8x12	5	352.5	410	17/18
A 30 2	**SK130A**	188	24	27.3	8	142	165	130	M10x20	5	352.5	—	18

		Mt [Nm]		D	E	F	G	M	N	N1	N2	N4	X	P 2x	P 3x	
A 30 2/3	**SC60A**	M6	15	102	7	12.5	12.5	11	82	75	60	M5x10	4	331.5	389	16/17
A 30 2/3	**SC60B**	M6	15	102	7	12.5	12.5	14	82	75	60	M5x10	4	331.5	389	17/18
A 30 2/3	**SC80A**	M6	15	115	6	12.5	12.5	14	90	100	80	M6x12	4	331.5	389	17/18
A 30 2/3	**SC80C**	M6	15	120	15.5	14.5	17.75	19	96	100	80	M6x12	4	376	433.5	18/19
A 30 2/3	**SC95A**	M6	15	130	16.5	15	17.75	14	102	115	95	M8x16	4	376	433.5	18/19
A 30 2/3	**SC95B**	M6	15	130	16.5	15	17.75	19	102	115	95	M8x16	4	376	433.5	18/19
A 30 2/3	**SC95C**	M6	15	130	16.5	15	17.75	24	102	115	95	M8x16	4	376	433.5	18/19
A 30 2/3	**SC 110A**	M6	15	150	16.5	16	17.75	19	120	130	110	M8x16	5	376	433.5	19/20
A 30 2/3	**SC 110B**	M6	15	150	16.5	16	17.75	24	120	130	110	M8x16	5	376	433.5	19/20
A 30 2	**SC 130A**	M6	15	188	19	16	17.75	24	142	165	130	M10x20	5	376	—	20

A 30...F...



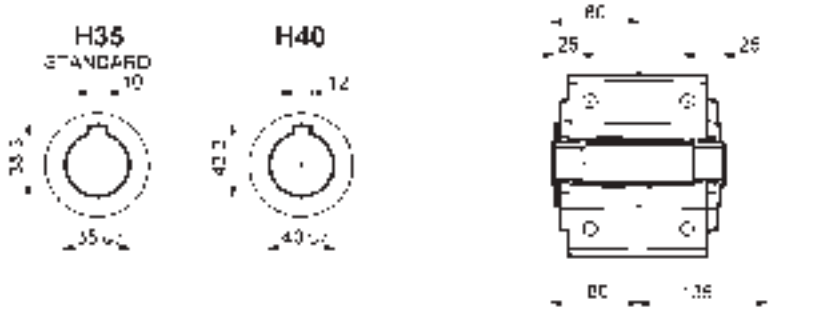
Bonfiglioli Riduttori

A 30

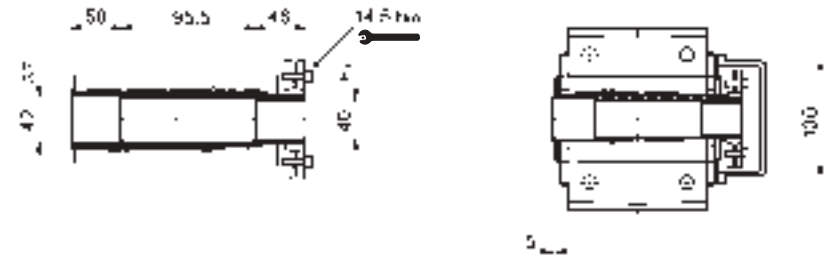
A 30...UR

A 30...UD

A 30...UH

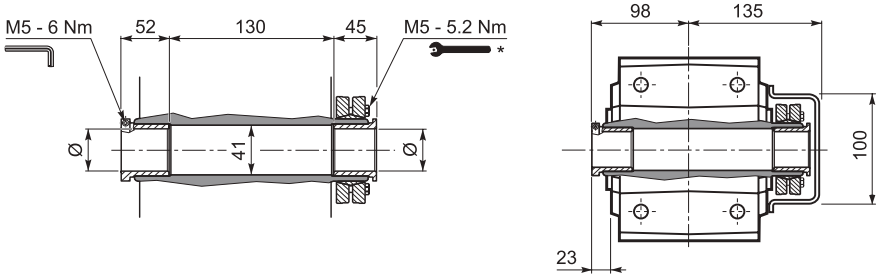


A 30...US

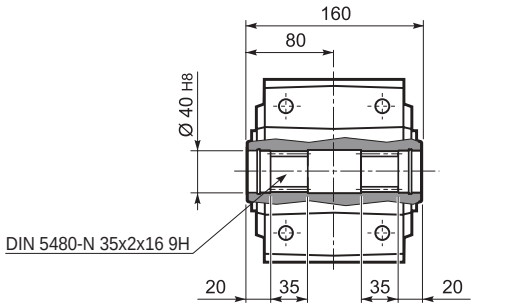


A 30...QF

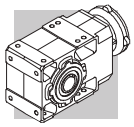
	Ø
QF35	35
QF40	40



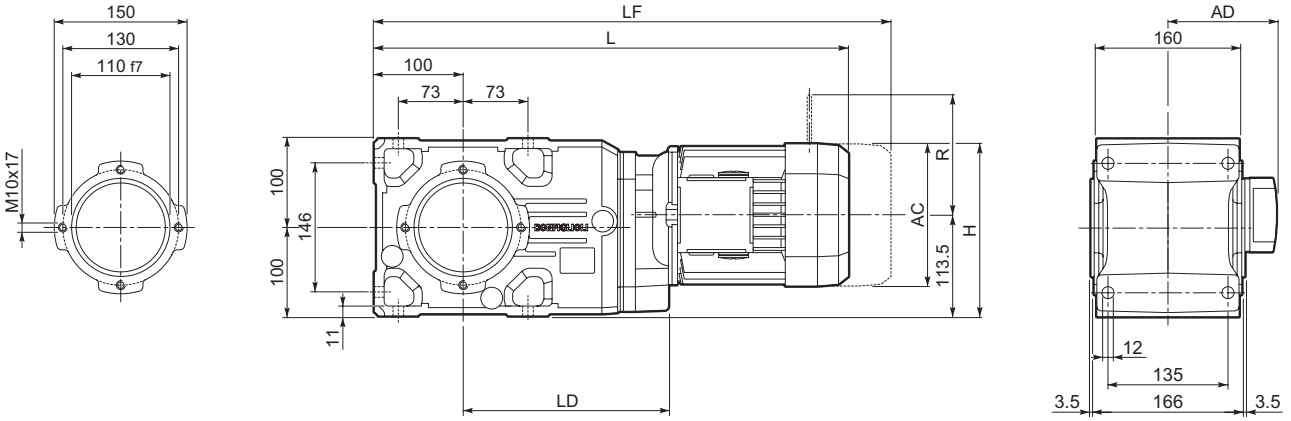
A 30...UV



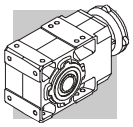
* Follow the MOUNTING INSTRUCTIONS supplied with the gearbox.



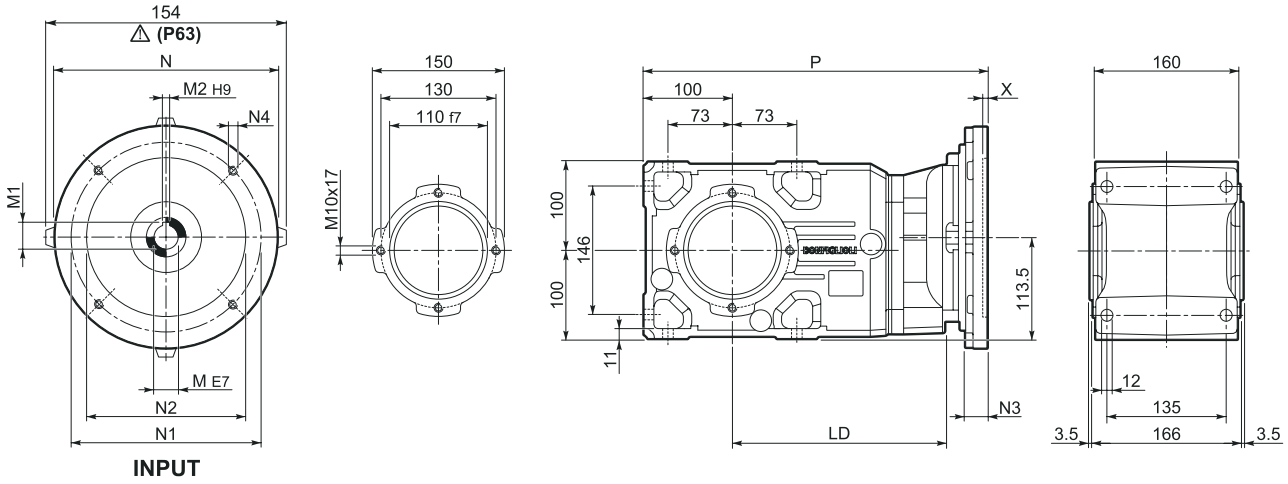
A 35...M/ME/MX



										M...FD M...FA		M...FD		M...FA	
				AC	H	L	LD	AD		LF		R	AD	R	AD
A 35 2	**S1**	**M1**		138	182.5	514.5	217.5	108	34	575.5	36	103	135	124	108
A 35 2	**S2**	**ME2S**		156	191.5	543.5	229.5	119	37	—	—	—	—	—	—
A 35 2	**S2**	**MX2S**		156	191.5	587.5	229.5	119	37	—	—	—	—	—	—
A 35 2	**S3**	**ME3S**		195	211	586.5	239.5	142	43.5	—	—	—	—	—	—
A 35 2	**S3**	**MX3S**		195	211	618.5	239.5	142	43.5	—	—	—	—	—	—
A 35 2	**S3**	**ME3L**		195	211	618.5	239.5	142	50	—	—	—	—	—	—
A 35 2	**S3**	**MX3L**		195	211	652.5	239.5	142	50	—	—	—	—	—	—
A 35 2	**S4**	**ME4**	**MX4**	258	242.5	726.5	—	193	89	—	—	—	—	—	—
A 35 2	**S4**	**ME4LB**	**MX4LA**	258	242.5	761.5	—	193	97	—	—	—	—	—	—
A 35 3	**S05**	**M05S**		121	174	543	—	95	33	609	34	96	122	116	95
A 35 3	**S1**	**M1**		138	182.5	572	—	108	35	633	38	103	135	124	108
A 35 3	**S2**	**ME2S**		156	191.5	601	—	119	37	—	—	—	—	—	—
A 35 3	**S2**	**MX2S**		156	191.5	645	—	119	37	—	—	—	—	—	—
A 35 3	**S3**	**ME3S**		195	211	644	—	142	43.5	—	—	—	—	—	—
A 35 3	**S3**	**MX3S**		195	211	676	—	142	43.5	—	—	—	—	—	—
A 35 3	**S3**	**ME3L**		195	211	676	—	142	50	—	—	—	—	—	—
A 35 3	**S3**	**MX3L**		195	211	720	—	142	50	—	—	—	—	—	—

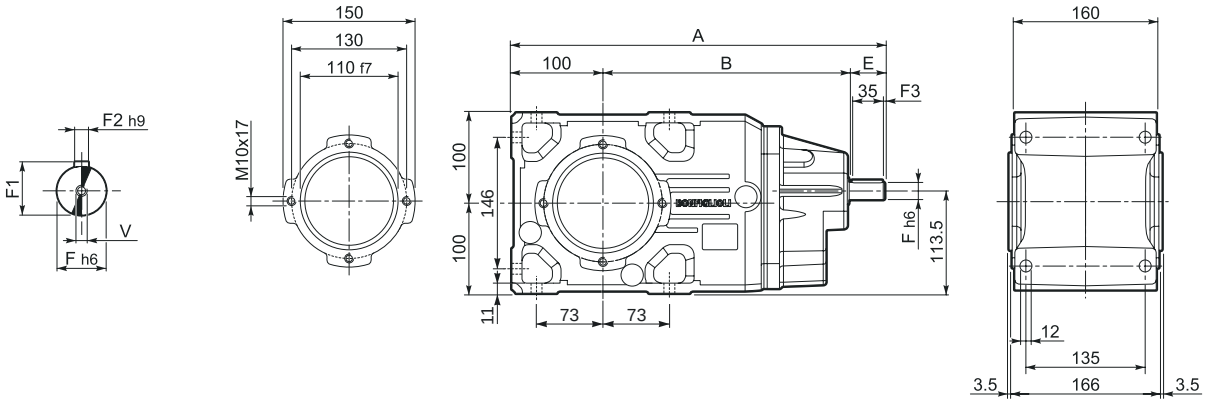


A 35...P(IEC)

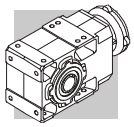


		LD	M	M1	M2	N	N1	N2	N3	N4	X	P	
A 35 2	**P63**	229.5	11	12.8	4	140	115	95	—	M8x19	4	359.5	28
A 35 2	**P71**	229.5	14	16.3	5	160	130	110	—	M8x16	4.5	359.5	28
A 35 2	**P80**	239.5	19	21.8	6	200	165	130	—	M10x14.5	4	379	29
A 35 2	**P90**	239.5	24	27.3	8	200	165	130	—	M10x14.5	4	379	29
A 35 2	**P100**	239.5	28	31.3	8	250	215	180	—	M12x16	4.5	389	32
A 35 2	**P112**	239.5	28	31.3	8	250	215	180	—	M12x16	4.5	389	32
A 35 2	**P132**	—	38	41.3	10	300	265	230	16	14	5	425.5	40
A 35 3	**P63**	—	11	12.8	4	140	115	95	—	M8x19	4	417	29
A 35 3	**P71**	—	14	16.3	5	160	130	110	—	M8x16	4.5	417	29
A 35 3	**P80**	—	19	21.8	6	200	165	130	—	M10x14.5	4	436.5	30
A 35 3	**P90**	—	24	27.3	8	200	165	130	—	M10x14.5	4	436.5	30
A 35 3	**P100**	—	28	31.3	8	250	215	180	—	M12x16	4.5	446.5	34
A 35 3	**P112**	—	28	31.3	8	250	215	180	—	M12x16	4.5	446.5	34

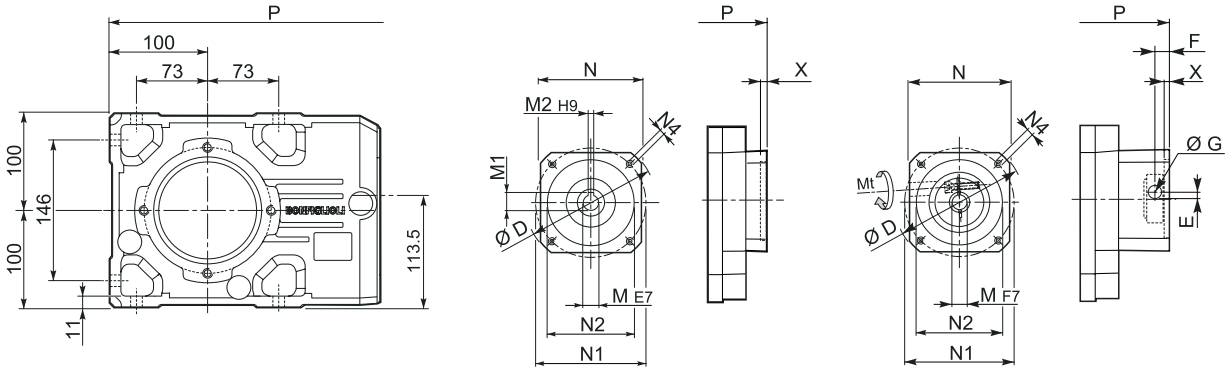
A 35...HS



		A	B	E	F	F1	F2	F3	F4	V	
A 35 2	**HS**	409.5	269.5	40	19	21.5	6	2.5	35	M6x16	29
A 35 3		424	284	40	16	18	5	2.5	35	M6x16	29



A 35...SK / SC



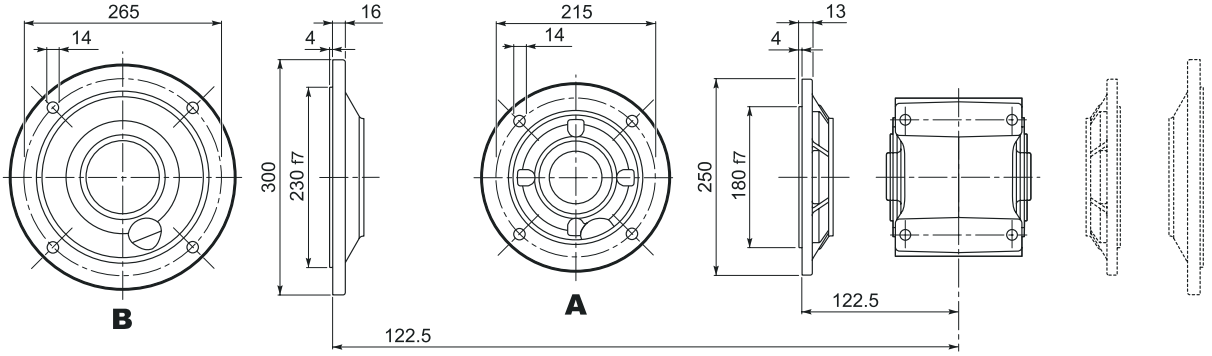
SK...

SC...

		D	M	M1	M2	N	N1	N2	N4	X	P 2x	P 3x	
A 35 2/3	**SK60A**	102	11	12.8	4	82	75	60	M5x10	3.5	331	388.5	27/28
A 35 2/3	**SK60B**	102	14	16.3	5	82	75	60	M5x10	4	338	395.5	28/29
A 35 2/3	**SK80A**	115	14	16.3	5	90	100	80	M6x12	4	338	395.5	28/29
A 35 2/3	**SK80C**	120	19	21.8	6	96	100	80	M6x12	4	379	436.5	29/30
A 35 2/3	**SK95A**	130	14	16.3	5	102	115	95	M8x12	4	379	436.5	29/30
A 35 2/3	**SK95B**	130	19	21.8	6	102	115	95	M8x12	4	379	436.5	29/30
A 35 2/3	**SK95C**	130	24	27.3	8	102	115	95	M8x12	4	379	436.5	29/30
A 35 2/3	**SK110A**	150	19	21.8	6	120	130	110	M8x12	5	379	436.5	29/30
A 35 2/3	**SK110B**	150	24	27.3	8	120	130	110	M8x12	5	379	436.5	29/30
A 35 2	**SK130A**	188	24	27.3	8	142	165	130	M10x20	5	379	—	30

			Mt [Nm]	D	E	F	G	M	N	N1	N2	N4	X	P 2x	P 3x	
A 35 2/3	**SC60A**	M6	15	102	7	12.5	12.5	11	82	75	60	M5x10	4	358	415.5	28/29
A 35 2/3	**SC60B**	M6	15	102	7	12.5	12.5	14	82	75	60	M5x10	4	358	415.5	29/30
A 35 2/3	**SC80A**	M6	15	115	6	12.5	12.5	14	90	100	80	M6x12	4	358	415.5	29/30
A 35 2/3	**SC80C**	M6	15	120	15.5	14.5	17.75	19	96	100	80	M6x12	4	402.5	460	30/31
A 35 2/3	**SC95A**	M6	15	130	16.5	15	17.75	14	102	115	95	M8x16	4	402.5	460	30/31
A 35 2/3	**SC95B**	M6	15	130	16.5	15	17.75	19	102	115	95	M8x16	4	402.5	460	30/31
A 35 2/3	**SC95C**	M6	15	130	16.5	15	17.75	24	102	115	95	M8x16	4	402.5	460	30/31
A 35 2/3	**SC110A**	M6	15	150	16.5	16	17.75	19	120	130	110	M8x16	5	402.5	460	32/33
A 35 2/3	**SC110B**	M6	15	150	16.5	16	17.75	24	120	130	110	M8x16	5	402.5	460	32/33
A 35 2	**SC130A**	M6	15	188	19	16	17.75	24	142	165	130	M10x20	5	402.5	—	33

A 35...F...



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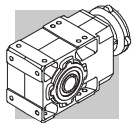
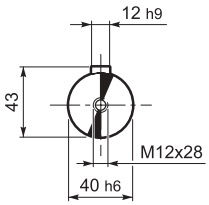
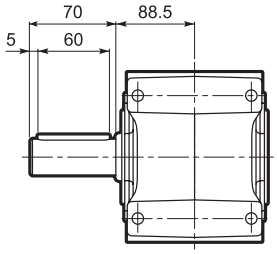


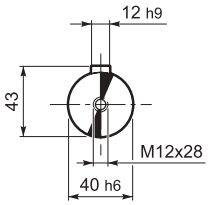
A 35

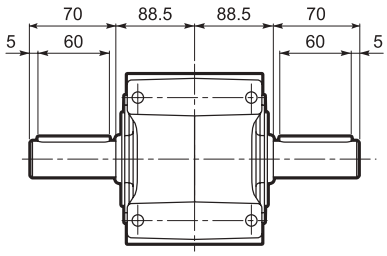
A 35...UR



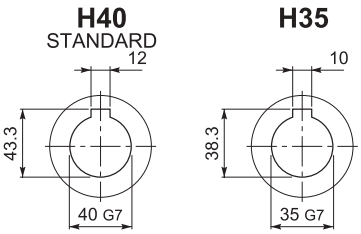


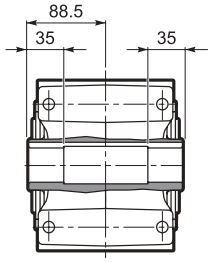
A 35...UD



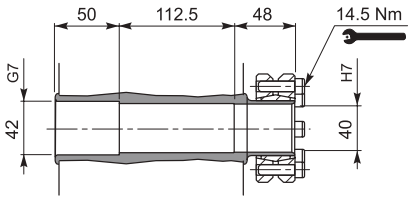


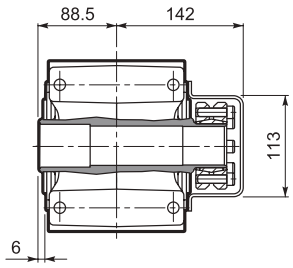
A 35...UH





A 35...US

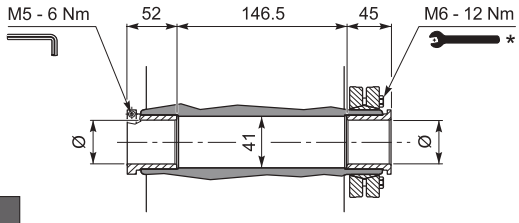


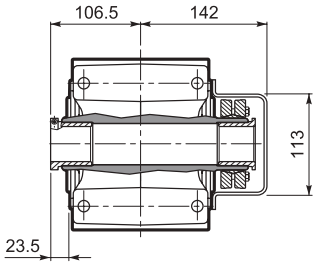


A 35...QF

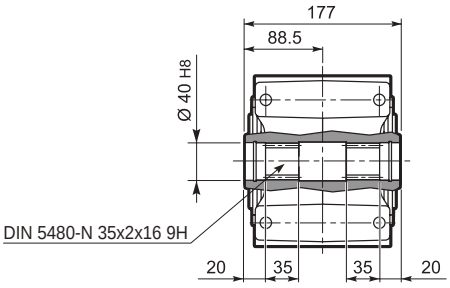
	Ø
QF35	35
QF40	40

$M_{n2\ max}$ [Nm]	
A 35 QF35	550



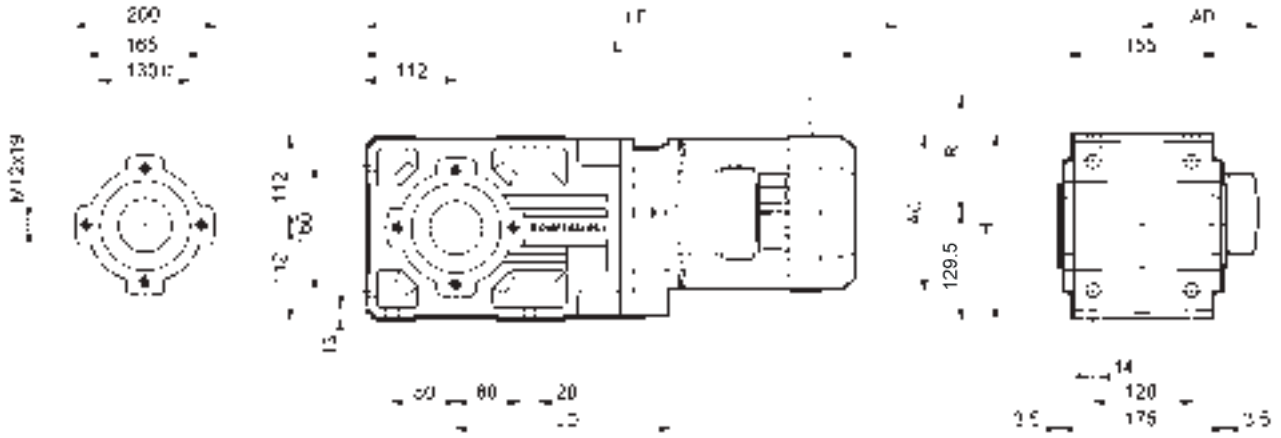


A 35...UV



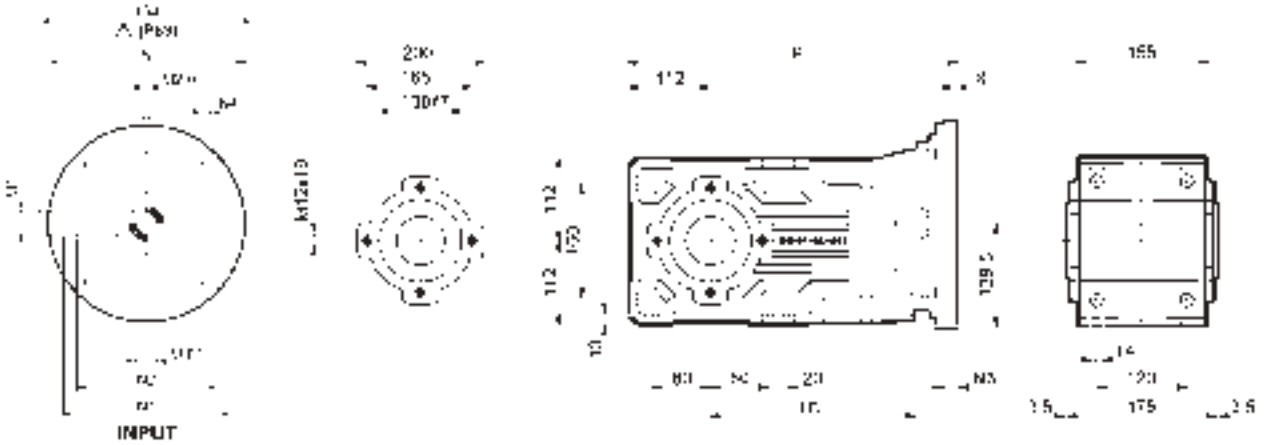
* Follow the MOUNTING INSTRUCTIONS supplied with the gearbox.

A 41...M/ME/MX



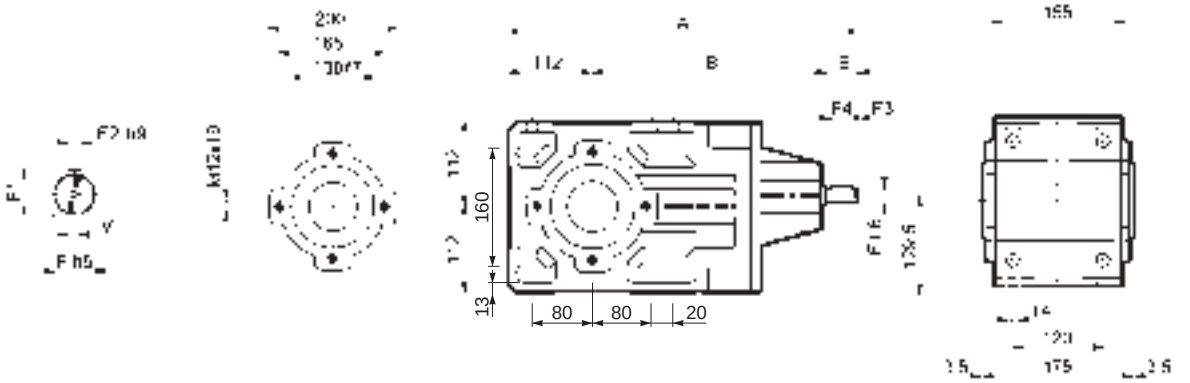
										M...FD M...FA		M...FD		M...FA	
				AC	H	L	LD	AD	kg	LF	kg	R	AD	R	AD
A 41 2	**S1**	**M1**		138	198.5	530	216.5	108	41	591	44	103	135	124	108
A 41 2	**S2**	**ME2S**		156	207.5	559	232	119	45	—	—	—	—	—	—
A 41 2	**S2**	**MX2S**		156	207.5	603	232	119	50.1	—	—	—	—	—	—
A 41 2	**S3**	**ME3S**		195	227	602	248	142	51.5	—	—	—	—	—	—
A 41 2	**S3**	**MX3S**		195	227	634	248	142	54.5	—	—	—	—	—	—
A 41 2	**S3**	**ME3L**		195	227	634	248	142	58	—	—	—	—	—	—
A 41 2	**S3**	**MX3L**		195	227	678	248	142	64	—	—	—	—	—	—
A 41 2	**S4**	**ME4**	**MX4**	258	258.5	742	—	193	92	—	—	—	—	—	—
A 41 2	**S4**	**ME4LB**	**MX4LA**	258	258.5	777	—	193	100	—	—	—	—	—	—
A 41 3	**S05**	**M05**		121	245	562.5	—	95	44	628.5	46	96	122	116	95
A 41 3	**S1**	**M1**		138	198.5	591.5	—	108	46	652.5	49	103	135	124	108
A 41 3	**S2**	**ME2S**		156	207.5	620.5	—	119	50	—	—	—	—	—	—
A 41 3	**S2**	**MX2S**		156	207.5	664.5	—	119	55.1	—	—	—	—	—	—
A 41 3	**S3**	**ME3S**		195	227	663.5	—	142	56.5	—	—	—	—	—	—
A 41 3	**S3**	**MX3S**		195	227	695.5	—	142	59.5	—	—	—	—	—	—
A 41 3	**S3**	**ME3L**		195	227	695.5	—	142	61	—	—	—	—	—	—
A 41 3	**S3**	**MX3L**		195	227	739.5	—	142	67	—	—	—	—	—	—

A 41...P(IEC)

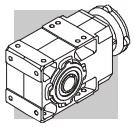


		LD	M	M1	M2	N	N1	N2	N3	N4	X	P	kg
A 41 2	**P63**	232	11	12.8	4	140	115	95	—	M8x19	4	375	37
A 41 2	**P71**	232	14	16.3	5	160	130	110	—	M8x16	4.5	375	38
A 41 2	**P80**	248	19	21.8	6	200	165	130	—	M10x14.5	4	394.5	39
A 41 2	**P90**	248	24	27.3	8	200	165	130	—	M10x14.5	4	394.5	39
A 41 2	**P100**	—	28	31.3	8	250	215	180	—	M12x16	4.5	404.5	43
A 41 2	**P112**	—	28	31.3	8	250	215	180	—	M12x16	4.5	404.5	43
A 41 2	**P132**	—	38	41.3	10	300	265	230	16	14	5	441	46
A 41 3	**P63**	—	11	12.8	4	140	115	95	—	M8x19	4	436.5	39
A 41 3	**P71**	—	14	16.3	5	160	130	110	—	M8x16	4.5	436.5	39
A 41 3	**P80**	—	19	21.8	6	200	165	130	—	M10x14.5	4	456	40
A 41 3	**P90**	—	24	27.3	8	200	165	130	—	M10x14.5	4	456	40
A 41 3	**P100**	—	28	31.3	8	250	215	180	—	M12x16	4.5	466	44
A 41 3	**P112**	—	28	31.3	8	250	215	180	—	M12x16	4.5	466	44

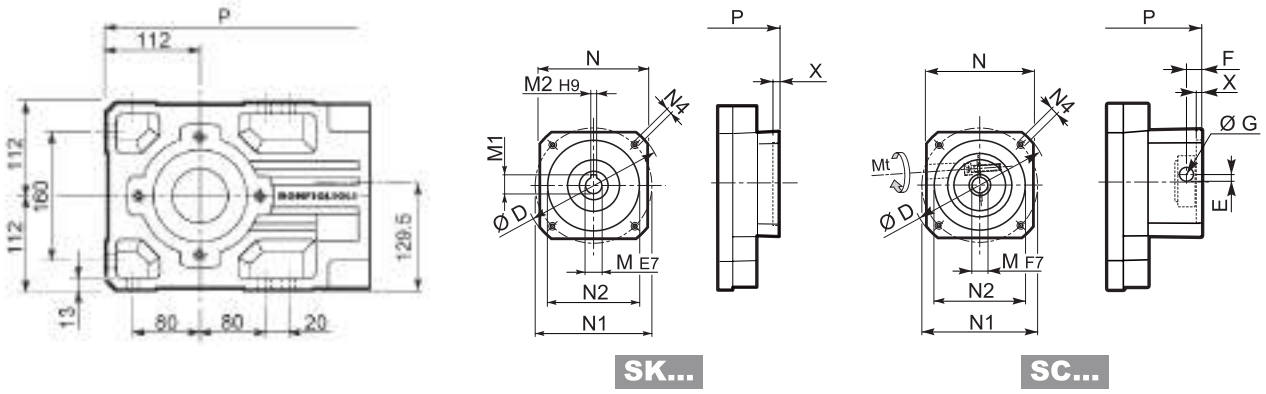
A 41...HS



		A	B	E	F	F1	F2	F3	F4	V	kg
A 41 2	**HS**	464	302.5	50	24	27	8	2.5	45	M8x19	40.7
A 41 3		486.5	334.5	40	19	21.5	6	2.5	35	M6x16	39.5



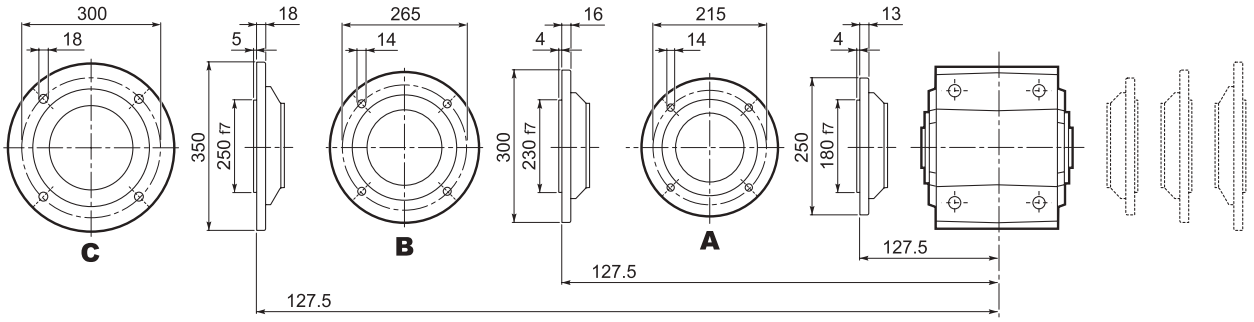
A 41...SK / SC



		D	M	M1	M2	N	N1	N2	N4	X	P 2x	P 3x	
A41 3	**SK60A**	102	11	12.8	4	82	75	60	M5x10	3.5	—	408	40
A41 3	**SK60B**	102	14	16.3	5	82	75	60	M5x10	4	—	415	40
A41 3	**SK80A**	115	14	16.3	5	90	100	80	M6x12	4	—	415	40
A41 2	**SK80B**	120	14	16.3	5	96	100	80	M6x12	4	394.5	—	39
A41 2/3	**SK80C**	120	19	21.8	6	96	100	80	M6x12	4	394.5	456	39/40
A41 2/3	**SK95A**	130	14	16.3	5	102	115	95	M8x12	4	394.5	456	39/40
A41 2/3	**SK95B**	130	19	21.8	6	102	115	95	M8x12	4	394.5	456	39/41
A41 2/3	**SK95C**	130	24	27.3	8	102	115	95	M8x12	4	394.5	456	39/44
A41 2/3	**SK110A**	150	19	21.8	6	120	130	110	M8x12	5	394.5	456	39/44
A41 2/3	**SK110B**	150	24	27.3	8	120	130	110	M8x12	5	394.5	456	39/44
A41 2	**SK130A**	188	24	27.3	8	142	165	130	M10x20	5	394.5	—	41
A41 2	**SK130B**	189	32	35.3	10	160	165	130	M10x20	5	441	—	43
A41 2	**SK180A**	240	32	35.3	10	192	215	180	M12x19	5	441	—	43
A41 2	**SK180B**	240	38	41.3	10	192	215	180	M12x19	5	441	—	43

			Mt [Nm]	D	E	F	G	M	N	N1	N2	N4	X	P 2x	P 3x	
A41 3	**SC60A**	M6	15	102	7	12.5	12.5	11	82	75	60	M5x10	4	—	435	41
A41 3	**SC60B**	M6	15	102	7	12.5	12.5	14	82	75	60	M5x10	4	—	435	41
A41 3	**SC80A**	M6	15	115	6	12.5	12.5	14	90	100	80	M6x12	4	—	435	41
A41 2	**SC80B**	M6	15	120	15.5	14.5	17.75	14	96	100	80	M6x12	4	418	—	40
A41 2/3	**SC80C**	M6	15	120	15.5	14.5	17.75	19	96	100	80	M6x12	4	418	479.5	40/41
A41 2/3	**SC95A**	M6	15	130	16.5	15	17.75	14	102	115	95	M8x16	4	418	479.5	40/42
A41 2/3	**SC95B**	M6	15	130	16.5	15	17.75	19	102	115	95	M8x16	4	418	479.5	40/42
A41 2/3	**SC95C**	M6	15	130	16.5	15	17.75	24	102	115	95	M8x16	4	418	479.5	40/43
A41 2/3	**SC110A**	M6	15	150	16.5	16	17.75	19	120	130	110	M8x16	5	418	479.5	41/47
A41 2/3	**SC110B**	M6	15	150	16.5	16	17.75	24	120	130	110	M8x16	5	418	479.5	41/47
A41 2	**SC130A**	M6	15	188	19	16	17.75	24	142	165	130	M10x20	5	418	—	42
A41 2	**SC130B**	M8	36	189	20	17	17.75	32	160	165	130	M10x20	5	464	—	46
A41 2	**SC180A**	M8	36	240	20	17.5	17.75	32	192	215	180	M12x24	5	468	—	46
A41 2	**SC180B**	M8	36	240	20	17.5	17.75	38	192	215	180	M12x24	5	468	—	46

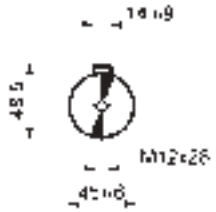
A 41...F...

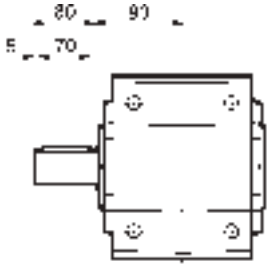


Bonfiglioli Riduttori

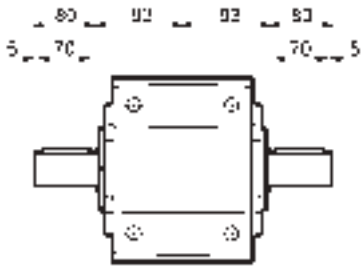
A 41

A 41...UR

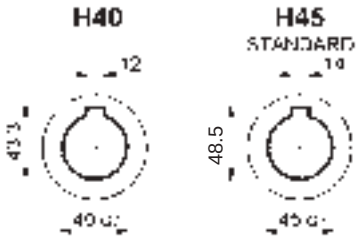


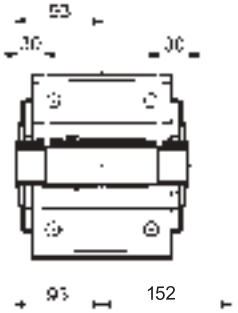


A 41...UD

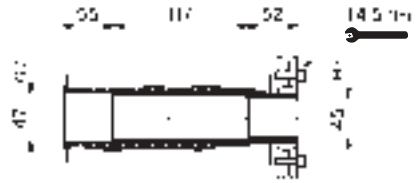


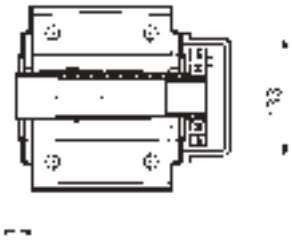
A 41...UH



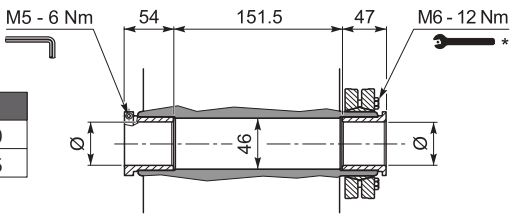


A 41...US

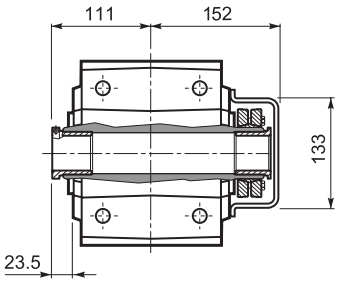




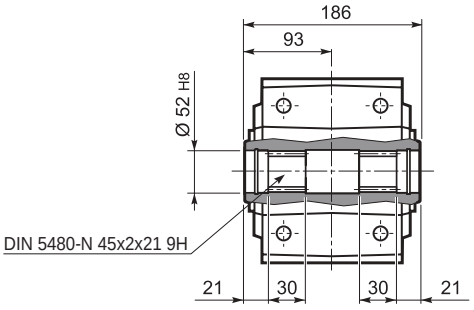
A 41...QF



	Ø
QF40	40
QF45	45

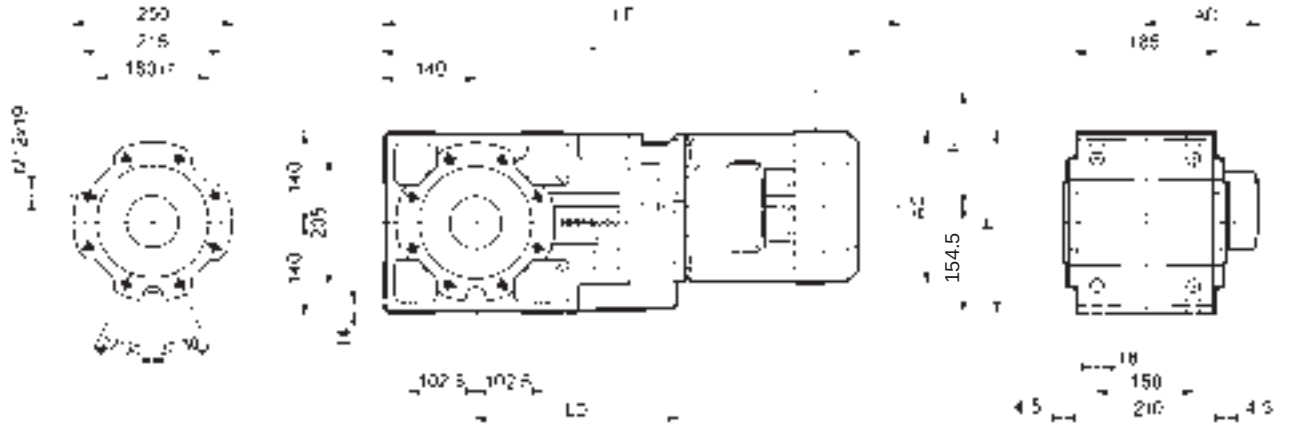


A 41...UV



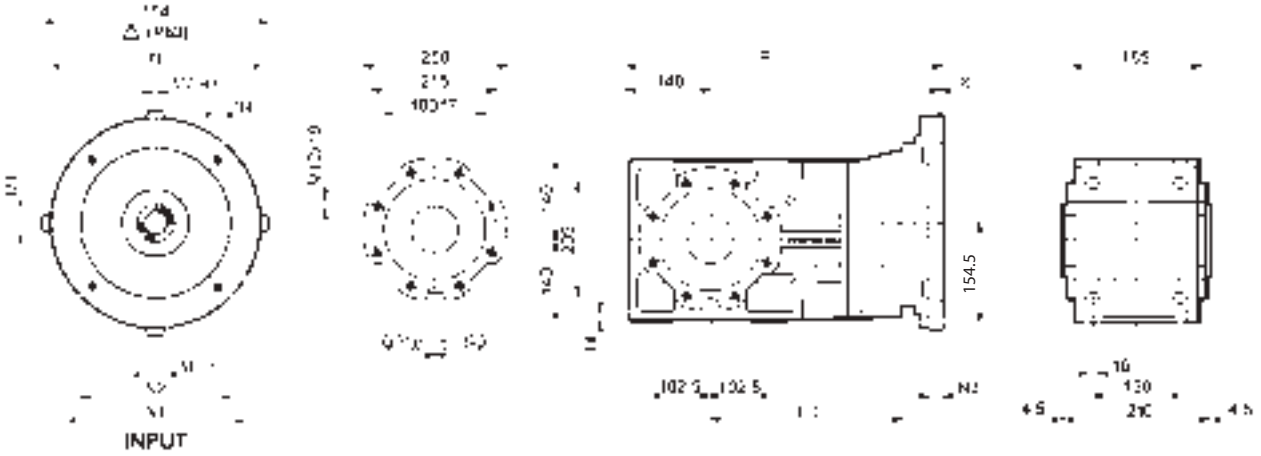
* Follow the MOUNTING INSTRUCTIONS supplied with the gearbox.

A 50...M/ME/MX



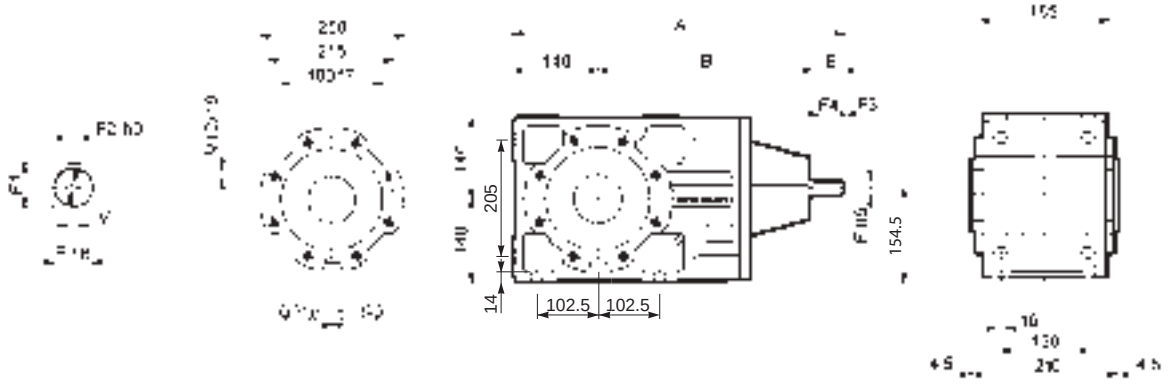
										M...FD M...FA		M...FD		M...FA	
				AC	H	L	LD	AD		LF		R	AD	R	AD
A 50 2/3	**S1**	**M1**		138	223	609.5	—	108	66	670.5	69	103	135	124	108
A 50 2/3	**S2**	**ME2S**		156	232	638.5	284.5	119	68	—	—	—	—	—	—
A 50 2/3	**S2**	**MX2S**		156	232	682.5	284.5	119	73.1	—	—	—	—	—	—
A 50 2/3	**S3**	**ME3S**		195	251.5	681.5	299.5	142	74.5	—	—	—	—	—	—
A 50 2/3	**S3**	**MX3S**		195	251.5	713.5	299.5	142	77.5	—	—	—	—	—	—
A 50 2/3	**S3**	**ME3L**		195	251.5	713.5	299.5	142	81	—	—	—	—	—	—
A 50 2/3	**S3**	**MX3L**		195	251.5	757.5	299.5	142	87	—	—	—	—	—	—
A 50 2/3	**S4**	**ME4**	**MX4**	258	283	821.5	284.5	193	115	—	—	—	—	—	—
A 50 2/3	**S4**	**ME4LB**	**MX4LA**	258	283	856.5	284.5	193	123	—	—	—	—	—	—
A 50 2/3	**S5**	**ME5S**	**MX5S**	310	309	908	—	245	143	—	—	—	—	—	—
A 50 2/3	**S5**	**ME5L**	**MX5L**	310	309	952	—	245	159	—	—	—	—	—	—
A 50 4	**S1**	**M1**		138	223	681	—	108	67	742	70	103	135	124	108
A 50 4	**S2**	**ME2S**		156	232	710	—	119	71	—	—	—	—	—	—
A 50 4	**S2**	**MX2S**		156	232	754	—	119	76.1	—	—	—	—	—	—
A 50 4	**S3**	**ME3S**		195	251.5	753	—	142	77.5	—	—	—	—	—	—
A 50 4	**S3**	**MX3S**		195	251.5	785	—	142	80.5	—	—	—	—	—	—
A 50 4	**S3**	**ME3L**		195	251.5	785	—	142	83	—	—	—	—	—	—
A 50 4	**S3**	**MX3L**		195	251.5	829	—	142	89	—	—	—	—	—	—

A 50...P(IEC)

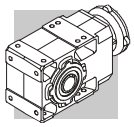


		LD	M	M1	M2	N	N1	N2	N3	N4	X	P	kg
A 50 2/3	**P63**	284.5	11	12.8	4	140	115	95	—	M8x19	4	454.5	60
A 50 2/3	**P71**	284.5	14	16.3	5	160	130	110	—	M8x16	4.5	454.5	60
A 50 2/3	**P80**	299.5	19	21.8	6	200	165	130	—	M10x14.5	4	474	61
A 50 2/3	**P90**	299.5	24	27.3	8	200	165	130	—	M10x14.5	4	474	61
A 50 2/3	**P100**	284.5	28	31.3	8	250	215	180	—	M12x16	4.5	484	65
A 50 2/3	**P112**	284.5	28	31.3	8	250	215	180	—	M12x16	4.5	484	65
A 50 2/3	**P132**	284.5	38	41.3	10	300	265	230	16	14	5	520.5	68
A 50 2/3	**P160**	—	42	45.3	12	350	300	250	23	18	5.5	571	72
A 50 2/3	**P180**	—	48	51.8	14	350	300	250	23	18	5.5	571	72
A 50 4	**P63**	—	11	12.8	4	140	115	95	—	M8x19	4	526	62
A 50 4	**P71**	—	14	16.3	5	160	130	110	—	M8x16	4.5	526	62
A 50 4	**P80**	—	19	21.8	6	200	165	130	—	M10x14.5	4	545.5	63
A 50 4	**P90**	—	24	27.3	8	200	165	130	—	M10x14.5	4	545.5	63
A 50 4	**P100**	—	28	31.3	8	250	215	180	—	M12x16	4.5	555.5	67
A 50 4	**P112**	—	28	31.3	8	250	215	180	—	M12x16	4.5	555.5	67

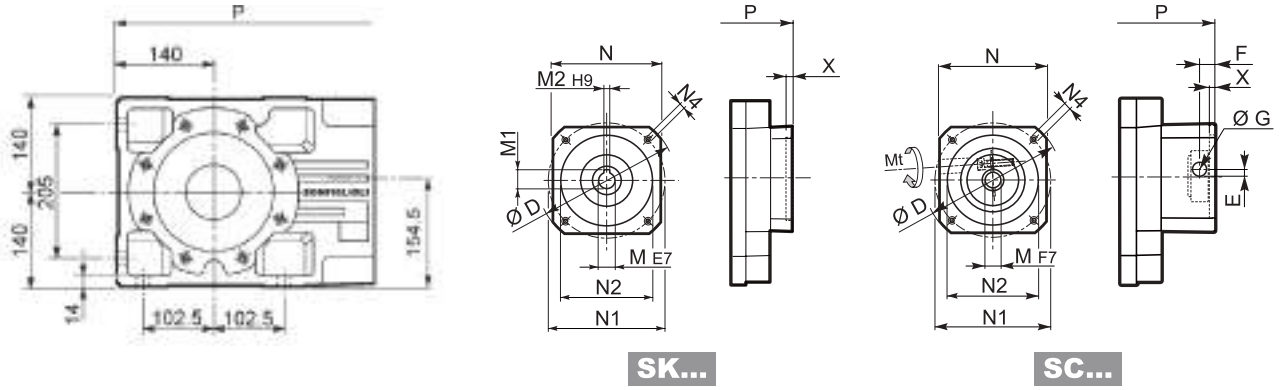
A 50...HS



		A	B	E	F	F1	F2	F3	F4	V	kg
A 50 2		543.5	353.5	50	24	27	8	2.5	45	M8x19	72
A 50 3	**HS**	543.5	353.5	50	24	27	8	2.5	45	M8x19	76
A 50 4		576	396	40	19	21.5	6	2.5	35	M6x16	77



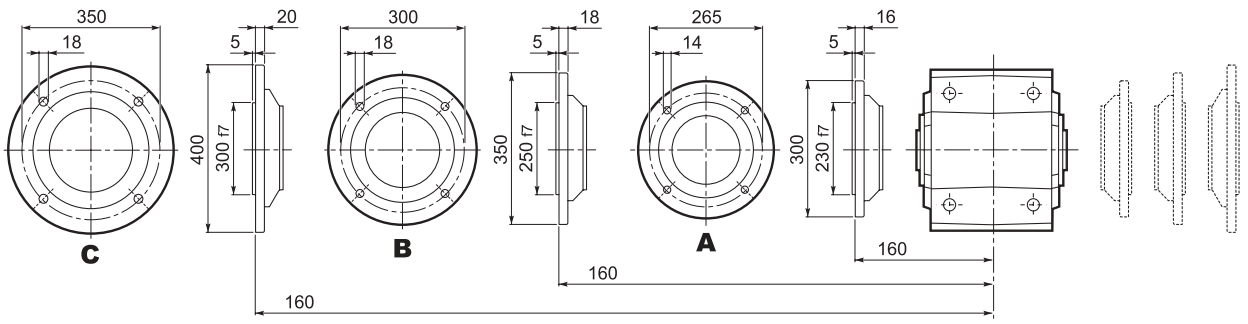
A 50...SK / SC



		D	M	M1	M2	N	N1	N2	N4	X	P 2/3x	P 4x	
A 50 2/3	**SK80B**	120	14	16.3	5	96	100	80	M6x12	4	474	—	61/61
A 50 2/3/4	**SK80C**	120	19	21.8	6	96	100	80	M6x12	4	474	545.5	61/61/63
A 50 2/3/4	**SK95A**	130	14	16.3	5	102	115	95	M8x12	4	474	545.5	61/61/63
A 50 2/3/4	**SK95B**	130	19	21.8	6	102	115	95	M8x12	4	474	545.5	61/61/63
A 50 2/3/4	**SK95C**	130	24	27.3	8	102	115	95	M8x12	4	474	545.5	61/61/63
A 50 2/3/4	**SK110A**	150	19	21.8	6	120	130	110	M8x12	5	474	545.5	61/61/65
A 50 2/3/4	**SK110B**	150	24	27.3	8	120	130	110	M8x12	5	474	575	61/61/65
A 50 2/3/4	**SK130A**	188	24	27.3	8	142	165	130	M10x20	5	474	575	63/63/66
A 50 2/3	**SK130B**	189	32	35.3	10	160	165	130	M10x20	5	520.5	—	69/69
A 50 2/3	**SK180A**	240	32	35.3	10	192	215	180	M12x19	5	520.5	—	69/69
A 50 2/3	**SK180B**	240	38	41.3	10	192	215	180	M12x19	5	520.5	—	69/69

			Mt [Nm]	D	E	F	G	M	N	N1	N2	N4	X	P 2/3x	P 3x	
A 50 2/3	**SC80B**	M6	15	120	15.5	14.5	17.75	14	96	100	80	M6x12	4	497.5	—	62/62
A 50 2/3/4	**SC80C**	M6	15	120	15.5	14.5	17.75	19	96	100	80	M6x12	4	497.5	569	62/62/64
A 50 2/3/4	**SC95A**	M6	15	130	16.5	15	17.75	14	102	115	95	M8x16	4	497.5	569	62/62/64
A 50 2/3/4	**SC95B**	M6	15	130	16.5	15	17.75	19	102	115	95	M8x16	4	497.5	569	62/62/64
A 50 2/3/4	**SC95C**	M6	15	130	16.5	15	17.75	24	102	115	95	M8x16	4	497.5	569	62/62/64
A 50 2/3/4	**SC110A**	M6	15	150	16.5	16	17.75	19	120	130	110	M8x16	5	497.5	569	63/63/66
A 50 2/3/4	**SC110B**	M6	15	150	16.5	16	17.75	24	120	130	110	M8x16	5	497.5	569	63/63/66
A 50 2/3/4	**SC130A**	M6	15	188	19	16	17.75	24	142	165	130	M10x20	5	497.5	569	64/64/67
A 50 2/3	**SC130B**	M8	36	189	20	17	17.75	32	160	165	130	M10x20	5	543.5	—	68/68
A 50 2/3	**SC180A**	M8	36	240	20	17.5	17.75	32	192	215	180	M12x24	5	547.5	—	68/68
A 50 2/3	**SC180B**	M8	36	240	20	17.5	17.75	38	192	215	180	M12x24	5	547.5	—	68/68

A 50...F...



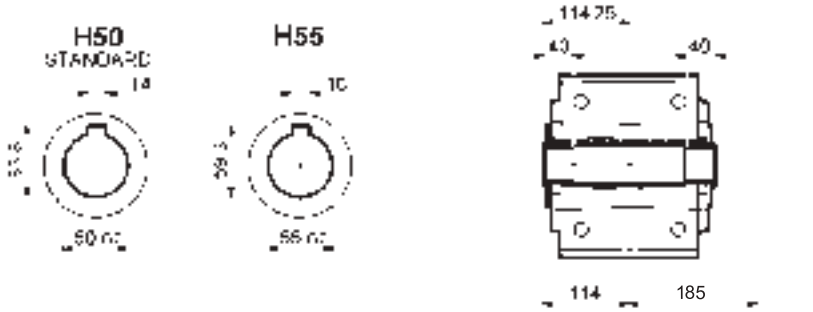
Bonfiglioli Riduttori

A 50

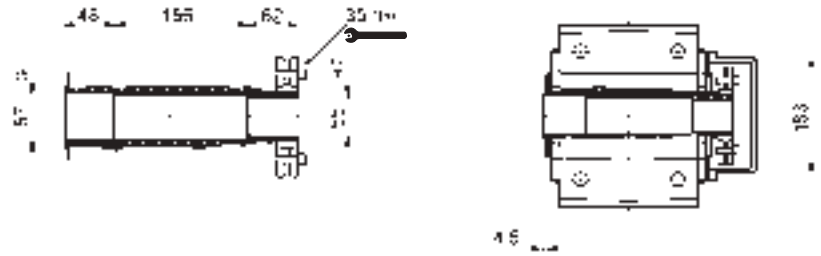
A 50...UR

A 50...UD

A 50...UH

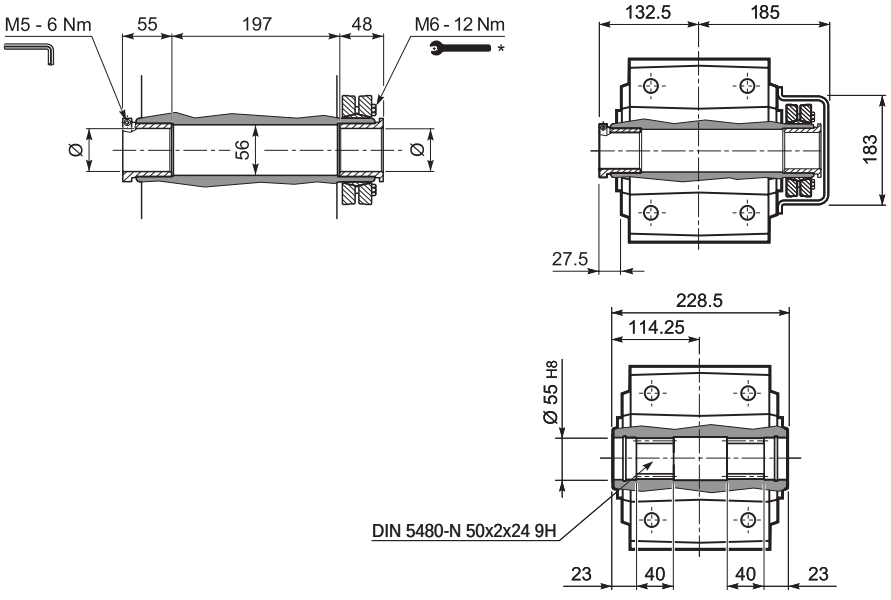


A 50...US



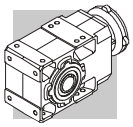
A 50...QF

	Ø
QF50	50
QF55	55

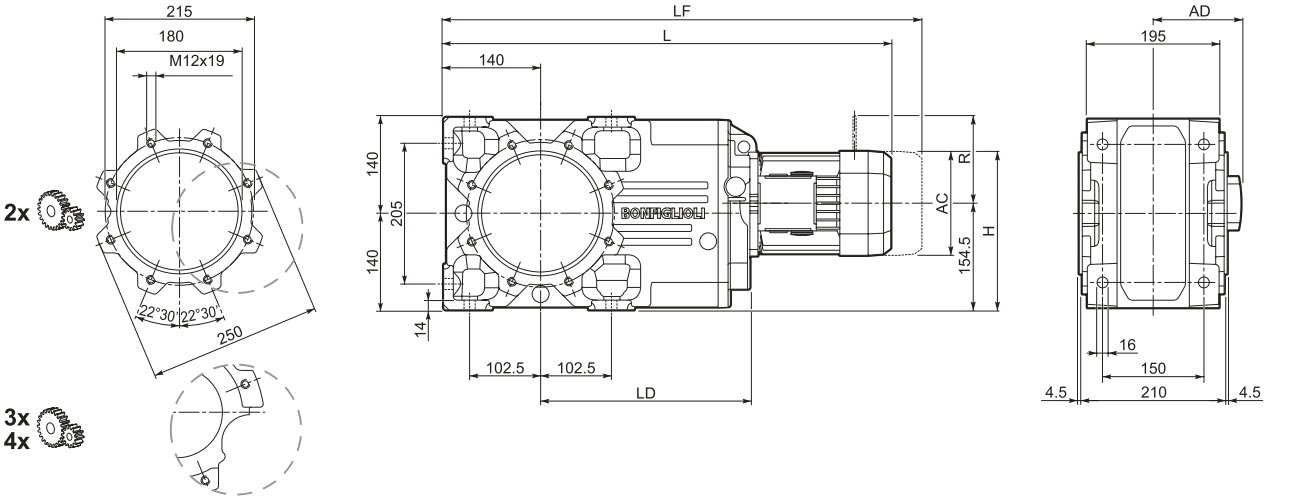


A 50...UV

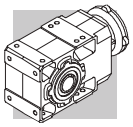
* Follow the MOUNTING INSTRUCTIONS supplied with the gearbox.



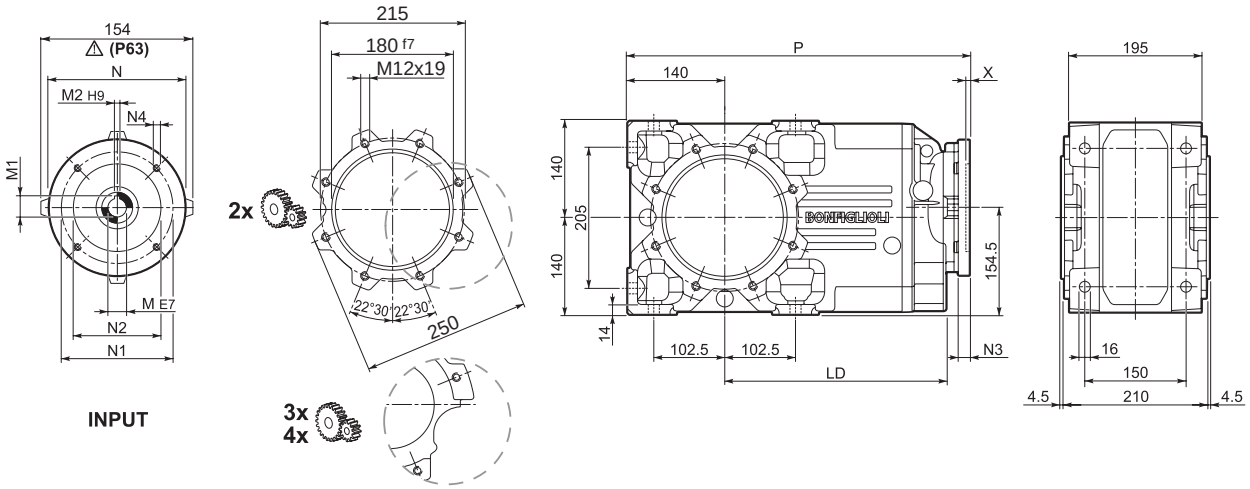
A 55...M/ME/MX



										M...FD M...FA		M...FD		M...FA	
				AC	H	L	LD	AD		LF		R	AD	R	AD
A 55 3	**S1**	**M1**		138	198.5	627.5	—	108	81	688.5	84	103	135	124	108
A 55 2/3	**S2**	**ME2S**		156	232	656.5	302.5	119	88	—	—	—	—	—	—
A 55 2/3	**S2**	**MX2S**		156	232	700.5	302.5	119	93.1	—	—	—	—	—	—
A 55 2/3	**S3**	**ME3S**		195	251	699.5	317.5	142	94.5	—	—	—	—	—	—
A 55 2/3	**S3**	**MX3S**		195	251	731.5	317.5	142	97.5	—	—	—	—	—	—
A 55 2/3	**S3**	**ME3L**		195	251	731.5	317.5	142	101	—	—	—	—	—	—
A 55 2/3	**S3**	**MX3L**		195	251	775.5	317.5	142	107	—	—	—	—	—	—
A 55 2/3	**S4**	**ME4**	**MX4**	258	283	839.5	302.5	193	135	—	—	—	—	—	—
A 55 2/3	**S4**	**ME4LB**	**MX4LA**	258	283	874.5	302.5	193	143	—	—	—	—	—	—
A 55 2/3	**S5**	**ME5S**	**MX5S**	310	309.5	926	—	245	163	—	—	—	—	—	—
A 55 2/3	**S5**	**ME5L**	**MX5L**	310	309.5	970	—	245	179	—	—	—	—	—	—
A 55 4	**S1**	**M1**		138	223	699	—	108	82	760	85	103	135	124	108
A 55 4	**S2**	**ME2S**		156	232	728	—	119	86	—	—	—	—	—	—
A 55 4	**S2**	**MX2S**		156	232	772	—	119	91.1	—	—	—	—	—	—
A 55 4	**S3**	**ME3S**		195	251.5	771	—	142	92.5	—	—	—	—	—	—
A 55 4	**S3**	**MX3S**		195	251.5	803	—	142	95.5	—	—	—	—	—	—
A 55 4	**S3**	**ME3L**		195	251.5	803	—	142	98	—	—	—	—	—	—
A 55 4	**S3**	**MX3L**		195	251.5	847	—	142	104	—	—	—	—	—	—

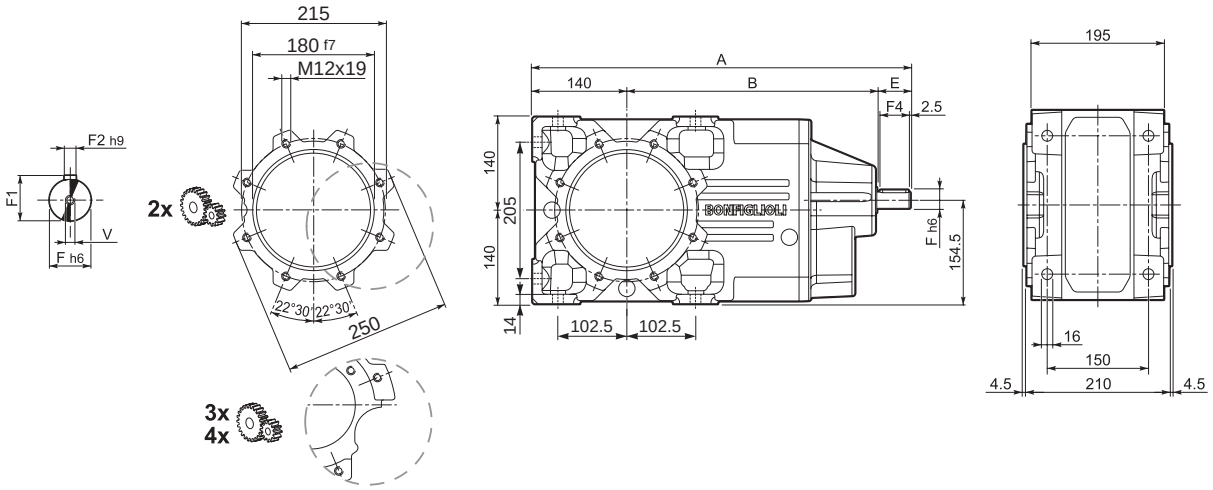


A 55...P(IEC)

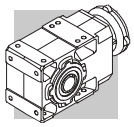


		LD	M	M1	M2	N	N1	N2	N3	N4	X	P	kg
A 55 3	**P63**	302.5	11	12.8	4	140	115	95	—	M8x19	4	472.5	75
A 55 3	**P71**	302.5	14	16.3	5	160	130	110	—	M8x16	4.5	472.5	75
A 55 2/3	**P80**	317.5	19	21.8	6	200	165	130	—	M10x14.5	4	492	81
A 55 2/3	**P90**	317.5	24	27.3	8	200	165	130	—	M10x14.5	4	492	81
A 55 2/3	**P100**	302.5	28	31.3	8	250	215	180	—	M12x16	4.5	502	85
A 55 2/3	**P112**	302.5	28	31.3	8	250	215	180	—	M12x16	4.5	502	85
A 55 2/3	**P132**	302.5	38	41.3	10	300	265	230	16	14	5	538.5	93
A 55 2/3	**P160**	—	42	45.3	12	350	300	250	23	18	5.5	589	110
A 55 2/3	**P180**	—	48	51.8	14	350	300	250	23	18	5.5	589	110
A 55 4	**P63**	—	11	12.8	4	140	115	95	—	M8x19	4	544	77
A 55 4	**P71**	—	14	16.3	5	160	130	110	—	M8x16	4.5	544	77
A 55 4	**P80**	—	19	21.8	6	200	165	130	—	M10x14.5	4	563.5	78
A 55 4	**P90**	—	24	27.3	8	200	165	130	—	M10x14.5	4	563.5	78
A 55 4	**P100**	—	28	31.3	8	250	215	180	—	M12x16	4.5	573.5	82
A 55 4	**P112**	—	28	31.3	8	250	215	180	—	M12x16	4.5	573.5	82

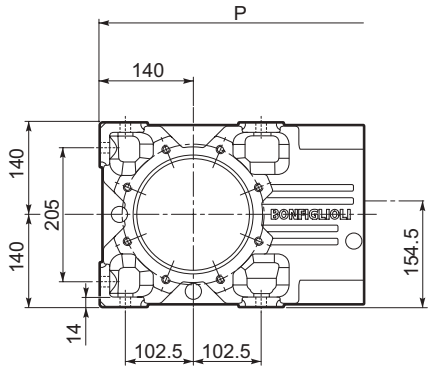
A 55...HS

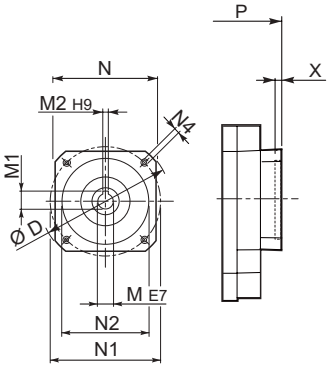


		A	B	E	F	F1	F2	F3	F4	V	kg
A 55 2		561.5	371.5	50	24	27	8	2.5	45	M8x19	96
A 55 3	**HS**	561.5	371.5	50	24	27	8	2.5	45	M8x19	91
A 55 4		594	414	40	19	21.5	6	2.5	35	M6x16	92

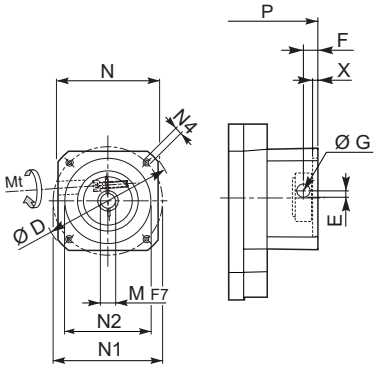


A 55...SK / SC





SK...

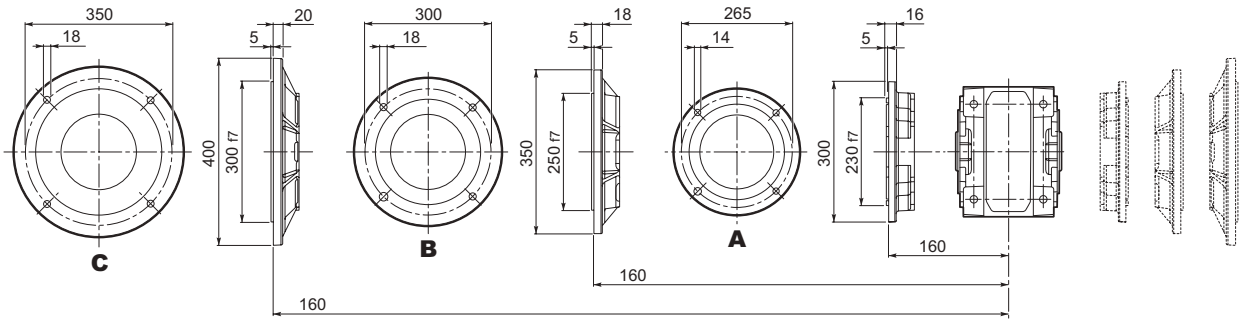


SC...

		D	M	M1	M2	N	N1	N2	N4	X	P 2/3x	P 4x	kg
A 55 3	**SK80B**	120	14	16.3	5	96	100	80	M6x12	4	492	—	81
A 55 2/3/4	**SK80C**	120	19	21.8	6	96	100	80	M6x12	4	492	563.5	81/81/77
A 55 3/4	**SK95A**	130	14	16.3	5	102	115	95	M8x12	4	492	563.5	81/81/77
A 55 2/3/4	**SK95B**	130	19	21.8	6	102	115	95	M8x12	4	492	563.5	81/81/77
A 55 2/3/4	**SK95C**	130	24	27.3	8	102	115	95	M8x12	4	492	563.5	81/81/77
A 55 2/3/4	**SK110A**	150	19	21.8	6	120	130	110	M8x12	5	492	593	81/81/78
A 55 2/3/4	**SK110B**	150	24	27.3	8	120	130	110	M8x12	5	492	593	81/81/78
A 55 2/3/4	**SK130A**	188	24	27.3	8	142	165	130	M10x20	5	492	593	83/83/79
A 55 2/3	**SK130B**	189	32	35.3	10	160	165	130	M10x20	5	538.5	—	90/90
A 55 2/3	**SK180A**	240	32	35.3	10	192	215	180	M12x19	5	538.5	—	90/90
A 55 2/3	**SK180B**	240	38	41.3	10	192	215	180	M12x19	5	538.5	—	90/90

		Mt [Nm]	D	E	F	G	M	N	N1	N2	N4	X	P 2/3x	P 3x	kg
A 55 3	**SC80B**	M6	15	120	15.5	14.5	17.75	14	96	100	80	M6x12	4	515.5	—	82
A 55 2/3/4	**SC80C**	M6	15	120	15.5	14.5	17.75	19	96	100	80	M6x12	4	515.5	587	82/82/78
A 55 3/4	**SC95A**	M6	15	130	16.5	15	17.75	14	102	115	95	M8x16	4	515.5	587	82/82/78
A 55 2/3/4	**SC95B**	M6	15	130	16.5	15	17.75	19	102	115	95	M8x16	4	515.5	587	82/82/78
A 55 2/3/4	**SC95C**	M6	15	130	16.5	15	17.75	24	102	115	95	M8x16	4	515.5	587	82/82/78
A 55 2/3/4	**SC110A**	M6	15	150	16.5	16	17.75	19	120	130	110	M8x16	5	515.5	587	83/83/79
A 55 2/3/4	**SC110B**	M6	15	150	16.5	16	17.75	24	120	130	110	M8x16	5	515.5	587	83/83/79
A 55 2/3/4	**SC130A**	M6	15	188	19	16	17.75	24	142	165	130	M10x20	5	515.5	587	84/84/80
A 55 2/3	**SC130B**	M8	36	189	20	17	17.75	32	160	165	130	M10x20	5	561.5	—	93/93
A 55 2/3	**SC180A**	M8	36	240	20	17.5	17.75	32	192	215	180	M12x24	5	565.5	—	93/93
A 55 2/3	**SC180B**	M8	36	240	20	17.5	17.75	38	192	215	180	M12x24	5	565.5	—	93/93

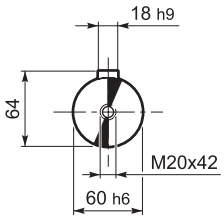
A 55...F...

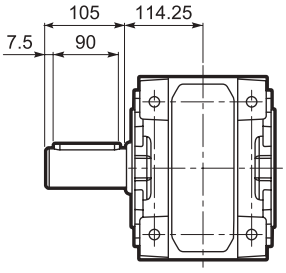


Bonfiglioli Riduttori

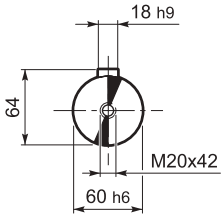
A 55

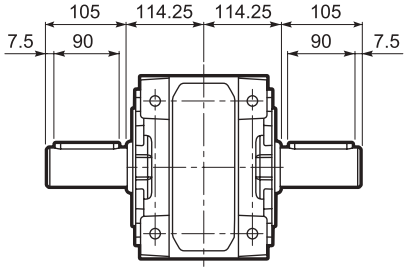
A 55...UR



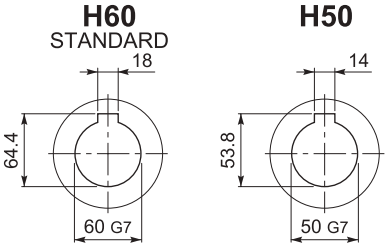


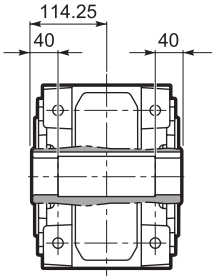
A 55...UD



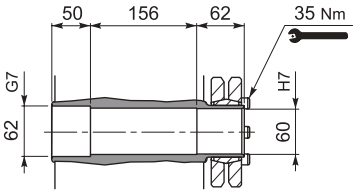


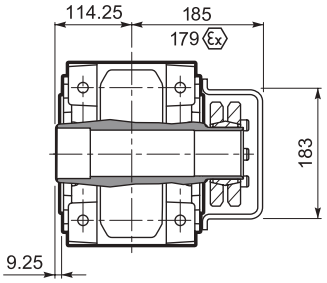
A 55...UH



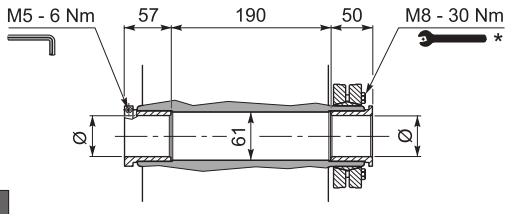


A 55...US



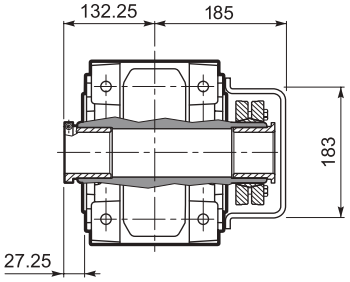


A 55...QF

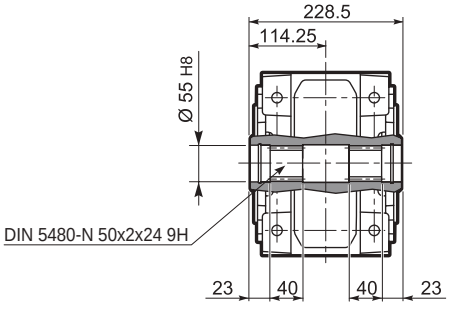


	Ø
QF55	55
QF60	60

$M_{n2\ max}$ [Nm]	
A 55 QF55	1900

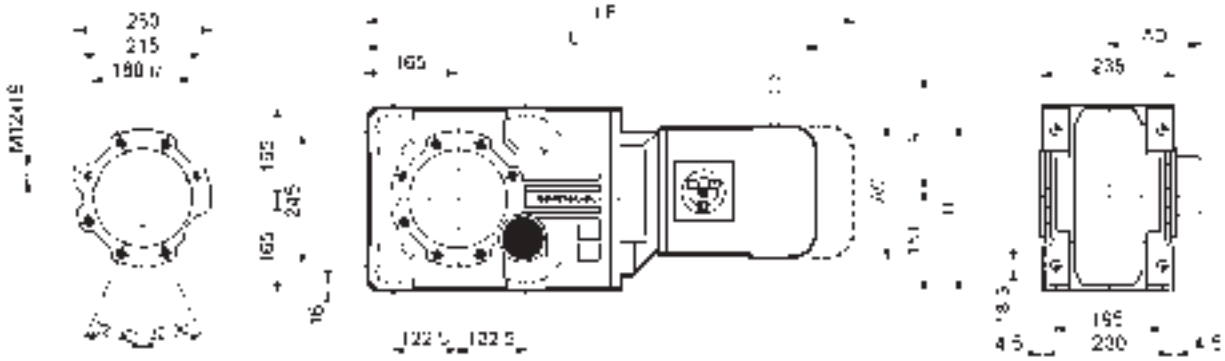


A 55...UV



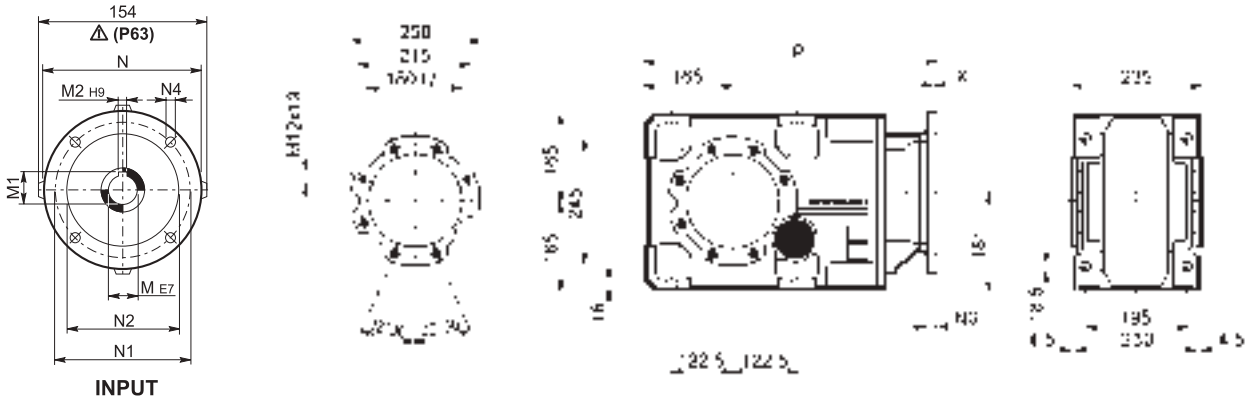
* Follow the MOUNTING INSTRUCTIONS supplied with the gearbox.

A 60...M/ME/MX



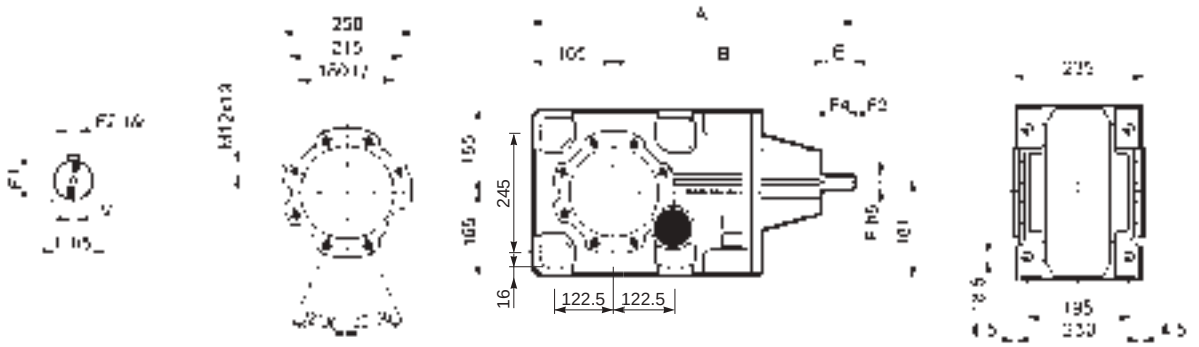
									M...FD M...FA		M...FD		M...FA	
				AC	H	L	AD		LF		R	AD	R	AD
A 60 2/3	**S2**	**ME2S**		156	256.5	700.5	119	98	—	—	—	—	—	—
A 60 2/3	**S2**	**MX2S**		156	256.5	744.5	119	103.1	—	—	—	—	—	—
A 60 2/3	**S3**	**ME3S**		195	276	743.5	142	103	—	—	—	—	—	—
A 60 2/3	**S3**	**MX3S**		195	276	775.5	142	106	—	—	—	—	—	—
A 60 2/3	**S3**	**ME3L**		195	276	775.5	142	111	—	—	—	—	—	—
A 60 2/3	**S3**	**MX3L**		195	276	819.5	142	117	—	—	—	—	—	—
A 60 2/3	**S4**	**ME4**	**MX4**	258	307.5	883.5	193	145	—	—	—	—	—	—
A 60 2/3	**S4**	**ME4LB**	**MX4LA**	258	307.5	918.5	193	153	—	—	—	—	—	—
A 60 2/3	**S5**	**ME5S**	**MX5S**	310	333.5	970	245	173	—	—	—	—	—	—
A 60 2/3	**S5**	**ME5L**	**MX5L**	310	333.5	1014	245	189	—	—	—	—	—	—
A 60 4	**S1**	**M1**		138	247.5	742	108	100	803	103	103	135	124	108
A 60 4	**S2**	**ME2S**		156	256.5	771	119	104	—	—	—	—	—	—
A 60 4	**S2**	**MX2S**		156	256.5	815	119	109.1	—	—	—	—	—	—
A 60 4	**S3**	**ME3S**		195	276	814	142	109	—	—	—	—	—	—
A 60 4	**S3**	**MX3S**		195	276	846	142	112	—	—	—	—	—	—
A 60 4	**S3**	**ME3L**		195	276	846	142	117	—	—	—	—	—	—
A 60 4	**S3**	**MX3L**		195	276	890	142	123	—	—	—	—	—	—

A 60...P(IEC)

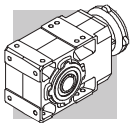


		M	M1	M2	N	N1	N2	N3	N4	X	P	kg
A 60 3	**P63**	11	12.8	4	140	115	95	—	M8x19	4	516.5	90
A 60 3	**P71**	14	16.3	5	160	130	110	—	M8x16	4.5	516.5	90
A 60 2/3	**P80**	19	21.8	6	200	165	130	—	M10x14.5	4	536	91
A 60 2/3	**P90**	24	27.3	8	200	165	130	—	M10x14.5	4	536	91
A 60 2/3	**P100**	28	31.3	8	250	215	180	—	M12x16	4.5	546	95
A 60 2/3	**P112**	28	31.3	8	250	215	180	—	M12x16	4.5	546	95
A 60 2/3	**P132**	38	41.3	10	300	265	230	16	14	5	582.5	104
A 60 2/3	**P160**	42	45.3	12	350	300	250	23	18	5.5	633	121
A 60 2/3	**P180**	48	51.8	14	350	300	250	23	18	5.5	633	121
A 60 4	**P63**	11	12.8	4	140	115	95	—	M8x19	4	587	88
A 60 4	**P71**	14	16.3	5	160	130	110	—	M8x16	4.5	587	88
A 60 4	**P80**	19	21.8	6	200	165	130	—	M10x14.5	4	606.5	90
A 60 4	**P90**	24	27.3	8	200	165	130	—	M10x14.5	4	606.5	90
A 60 4	**P100**	28	31.3	8	250	215	180	—	M12x16	4.5	616.5	94
A 60 4	**P112**	28	31.3	8	250	215	180	—	M12x16	4.5	616.5	94

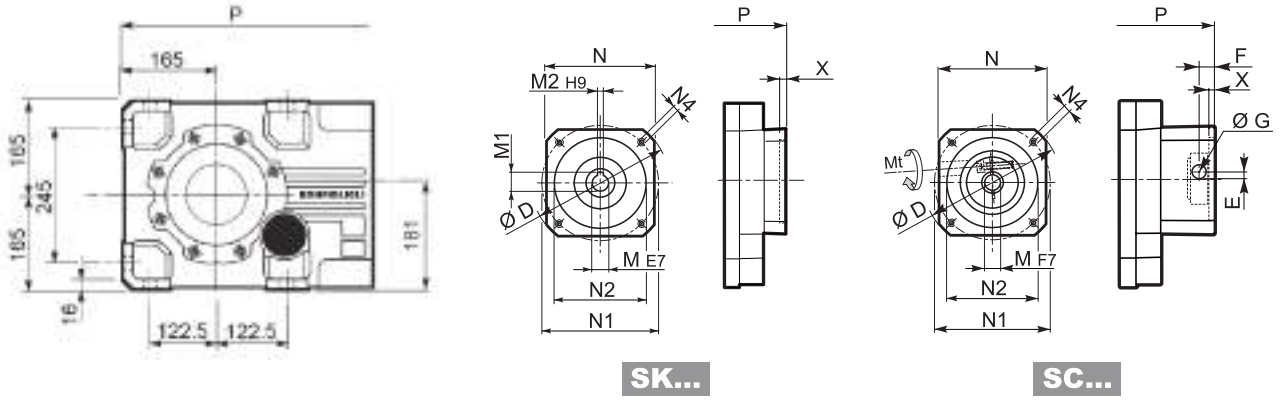
A 60...HS



		A	B	E	F	F1	F2	F3	F4	V	kg
A 60 2		633	408	60	28	31	8	5.0	50	M10x22	106
A 60 3	**HS**	633	408	60	28	31	8	5.0	50	M10x22	106
A 60 4		676	461	50	24	27	8	2.5	45	M8x19	112



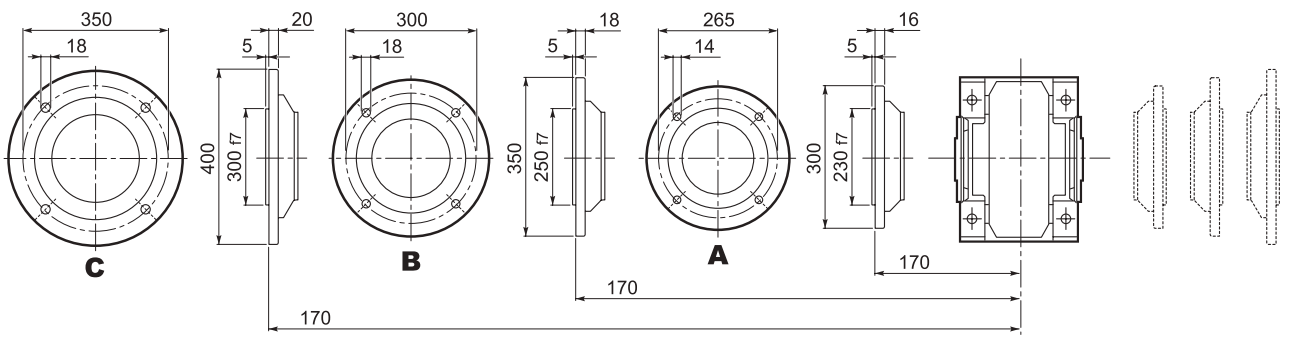
A 60...SK / SC



		D	M	M1	M2	N	N1	N2	N4	X	P 2/3x	P 4x	
A 60 4	**SK80B**	120	14	16.3	5	96	100	80	M6x12	4	—	606.5	89
A 60 2/3/4	**SK80C**	120	19	21.8	6	96	100	80	M6x12	4	536	606.5	93/93/92
A 60 2/3/4	**SK95A**	130	14	16.3	5	102	115	95	M8x12	4	536	606.5	93/93/92
A 60 2/3/4	**SK95B**	130	19	21.8	6	102	115	95	M8x12	4	536	606.5	93/93/92
A 60 2/3/4	**SK95C**	130	24	27.3	8	102	115	95	M8x12	4	536	606.5	93/93/92
A 60 2/3/4	**SK110A**	140	19	21.8	6	120	130	110	M8x12	5	536	606.5	93/93/92
A 60 2/3/4	**SK110B**	140	24	27.3	8	120	130	110	M8x12	5	536	606.5	93/93/92
A 60 2/3/4	**SK130A**	188	24	27.3	8	142	165	130	M10x20	5	536	606.5	97/97/103
A 60 2/3	**SK130B**	189	32	35.3	10	160	165	130	M10x20	5	582.5	—	102/102
A 60 2/3	**SK180A**	240	32	35.3	10	192	215	180	M12x19	5	582.5	—	102/102
A 60 2/3	**SK180B**	240	38	41.3	10	192	215	180	M12x19	5	582.5	—	102/102

			Mt [Nm]	D	E	F	G	M	N	N1	N2	N4	X	P 2/3x	P 3x	
A 60 4	**SC80B**	M6	15	120	15.5	14.5	17.75	14	96	100	80	M6x12	4	—	630	90
A 60 2/3/4	**SC80C**	M6	15	120	15.5	14.5	17.75	19	96	100	80	M6x12	4	559.5	630	94/94/93
A 60 2/3/4	**SC95A**	M6	15	130	16.5	15	17.75	14	102	115	95	M8x16	4	559.5	630	94/94/93
A 60 2/3/4	**SC95B**	M6	15	130	16.5	15	17.75	19	102	115	95	M8x16	4	559.5	630	94/94/93
A 60 2/3/4	**SC95C**	M6	15	130	16.5	15	17.75	24	102	115	95	M8x16	4	559.5	630	94/94/93
A 60 2/3/4	**SC110A**	M6	15	140	16.5	16	17.75	19	120	130	110	M8x16	5	559.5	630	95/95/93
A 60 2/3/4	**SC110B**	M6	15	140	16.5	16	17.75	24	120	130	110	M8x16	5	559.5	630	95/95/93
A 60 2/3/4	**SC130A**	M6	15	188	19	16	17.75	24	142	165	130	M10x20	5	559.5	630	96/96/104
A 60 2/3	**SC130B**	M8	36	189	20	17	17.75	32	160	165	130	M10x20	5	605.5	—	105/105
A 60 2/3	**SC180A**	M8	36	240	20	17.5	17.75	32	192	215	180	M12x24	5	609.5	—	105/105
A 60 2/3	**SC180B**	M8	36	240	20	17.5	17.75	38	192	215	180	M12x24	5	609.5	—	105/105

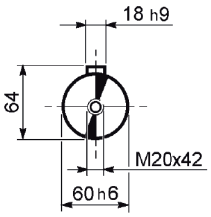
A 60...F...

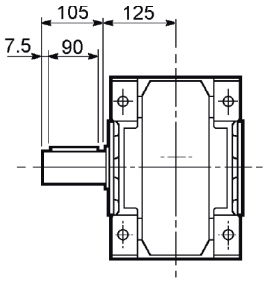


Bonfiglioli Riduttori

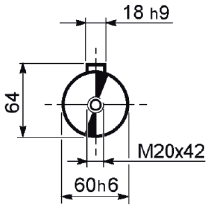
A 60

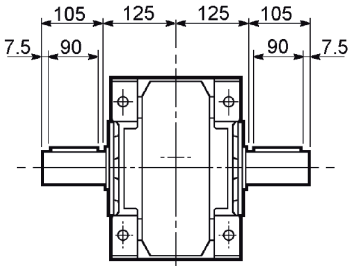
A 60...UR





A 60...UD





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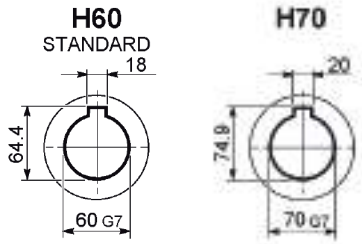
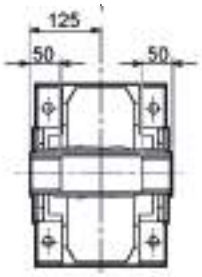
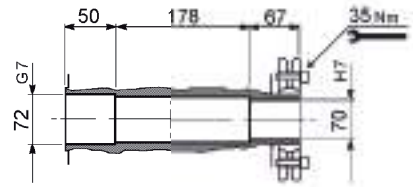


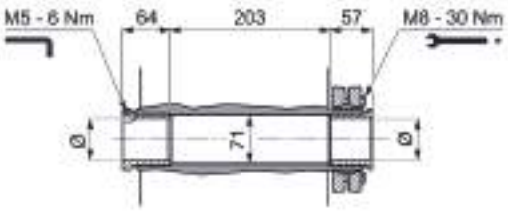


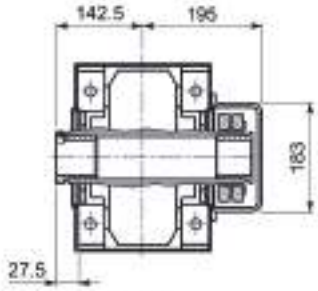
A 60...US



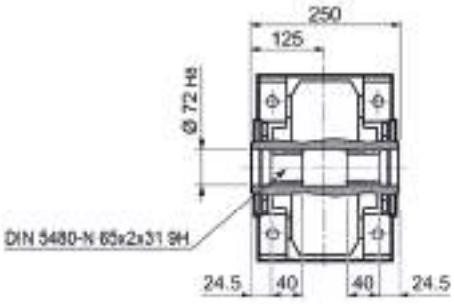
A 60...QF

	Ø
QF60	60
QF65	65
QF70	70



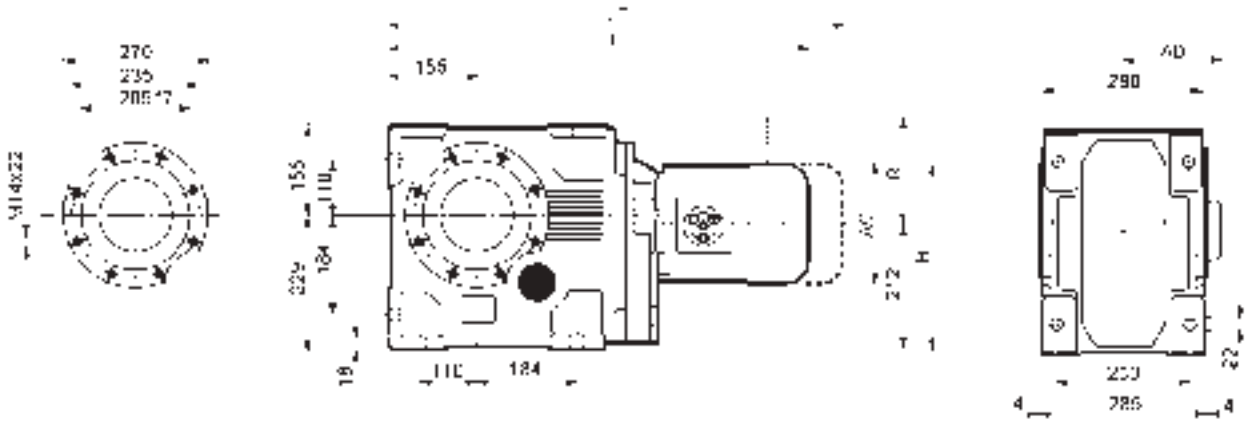


A 60...UV

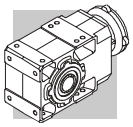


* Follow the MOUNTING INSTRUCTIONS supplied with the gearbox.

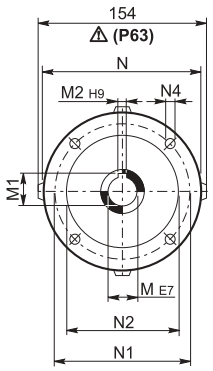
A 70...M/ME/MX



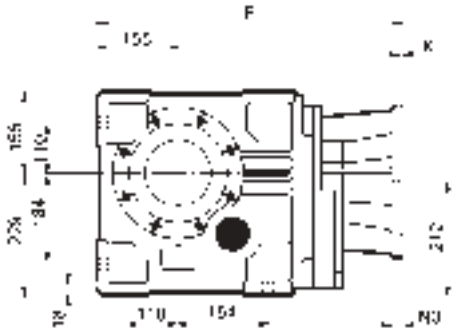
									M...FD M...FA		M...FD		M...FA	
				AC	H	L	AD		LF		R	AD	R	AD
A 70 3	**S2**	**ME2S**		156	290	688.5	119	152	—	—	—	—	—	—
A 70 3	**S2**	**MX2S**		156	290	732.5	119	157.1	—	—	—	—	—	—
A 70 3	**S3**	**ME3S**		195	309.5	731.5	142	158.5	—	—	—	—	—	—
A 70 3	**S3**	**MX3S**		195	309.5	763.5	142	161.5	—	—	—	—	—	—
A 70 3	**S3**	**ME3L**		195	309.5	763.5	142	164	—	—	—	—	—	—
A 70 3	**S3**	**MX3L**		195	309.5	807.5	142	170	—	—	—	—	—	—
A 70 3	**S4**	**ME4**	**MX4**	258	341	872.5	193	198	—	—	—	—	—	—
A 70 3	**S4**	**ME4LB**	**MX4LA**	258	341	907.5	193	206	—	—	—	—	—	—
A 70 3	**S5**	**ME5S**	**MX5S**	310	367	958	245	226	—	—	—	—	—	—
A 70 3	**S5**	**ME5L**	**MX5L**	310	367	1002	245	242	—	—	—	—	—	—
A 70 4	**S1**	**M1**		138	281	710.5	108	152	771.5	155	103	135	124	108
A 70 4	**S2**	**ME2S**		156	290	739.5	119	156	—	—	—	—	—	—
A 70 4	**S2**	**MX2S**		156	290	783.5	119	161.1	—	—	—	—	—	—
A 70 4	**S3**	**ME3S**		195	309.5	782.5	142	162.5	—	—	—	—	—	—
A 70 4	**S3**	**MX3S**		195	309.5	814.5	142	165.5	—	—	—	—	—	—
A 70 4	**S3**	**ME3L**		195	309.5	814.5	142	168	—	—	—	—	—	—
A 70 4	**S3**	**MX3L**		195	309.5	858.5	142	174	—	—	—	—	—	—
A 70 4	**S4**	**ME4**	**MX4**	258	341	922.5	193	202	—	—	—	—	—	—
A 70 4	**S4**	**ME4LB**	**MX4LA**	258	341	957.5	193	210	—	—	—	—	—	—

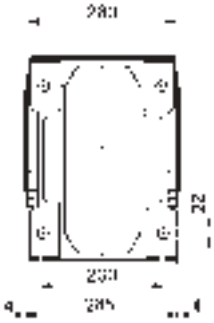


A 70...P (IEC)



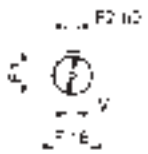
INPUT

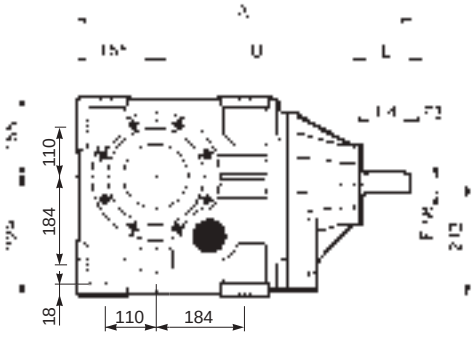


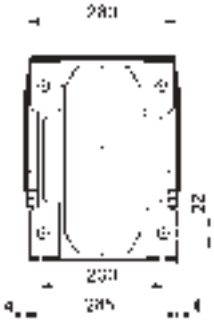


		M	M1	M2	N	N1	N2	N3	N4	X	P	kg
A 70 3	**P80**	19	21.8	6	200	165	130	—	M10x14.5	4	524	144
A 70 3	**P90**	24	27.3	8	200	165	130	—	M10x14.5	4	524	144
A 70 3	**P100**	28	31.3	8	250	215	180	—	M12x16	4.5	534	146
A 70 3	**P112**	28	31.3	8	250	215	180	—	M12x16	4.5	534	146
A 70 3	**P132**	38	41.3	10	300	265	230	16	14	5	570.5	154
A 70 3	**P160**	42	45.3	12	350	300	250	23	18	6	626	169
A 70 3	**P180**	48	51.8	14	350	300	250	23	18	6	626	169
A 70 3	**P200**	55	59.3	16	400	350	300	—	M16x25	7	651	179
A 70 4	**P63**	11	12.8	4	140	115	95	—	M8x19	4	555.5	146
A 70 4	**P71**	14	16.3	5	160	130	110	—	M8x16	4.5	555.5	146
A 70 4	**P80**	19	21.8	6	200	165	130	—	M10x14.5	4	575	147
A 70 4	**P90**	24	27.3	8	200	165	130	—	M10x14.5	4	575	147
A 70 4	**P100**	28	31.3	8	250	215	180	—	M12x16	4.5	585	148
A 70 4	**P112**	28	31.3	8	250	215	180	—	M12x16	4.5	585	148
A 70 4	**P132**	38	41.3	10	300	265	230	16	14	5	618.5	157

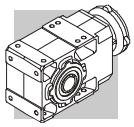
A 70...HS





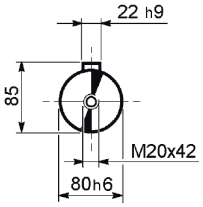


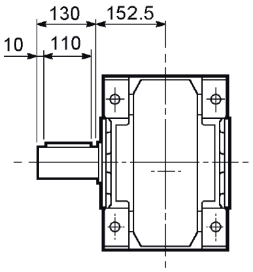
		A	B	E	F	F1	F2	F3	F4	V	kg
A 70 3	**HS**	708.5	443.5	110	42	45	12	10	90	M12x28	165
A 70 4		644.5	439.5	50	24	27	8	2.5	45	M8x19	149



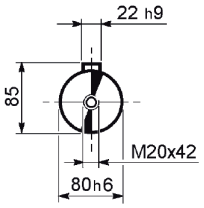
A 70

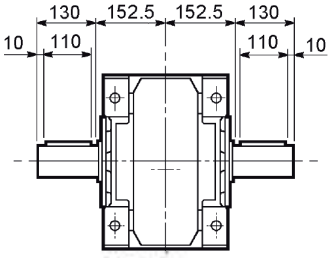
A 70...UR



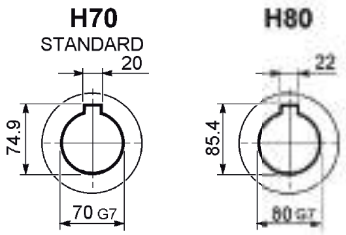


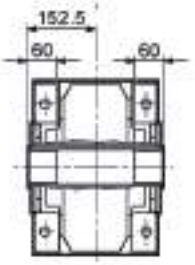
A 70...UD



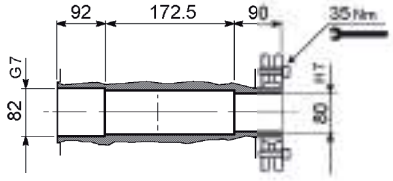


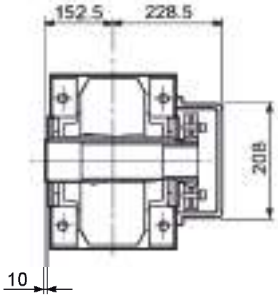
A 70...UH



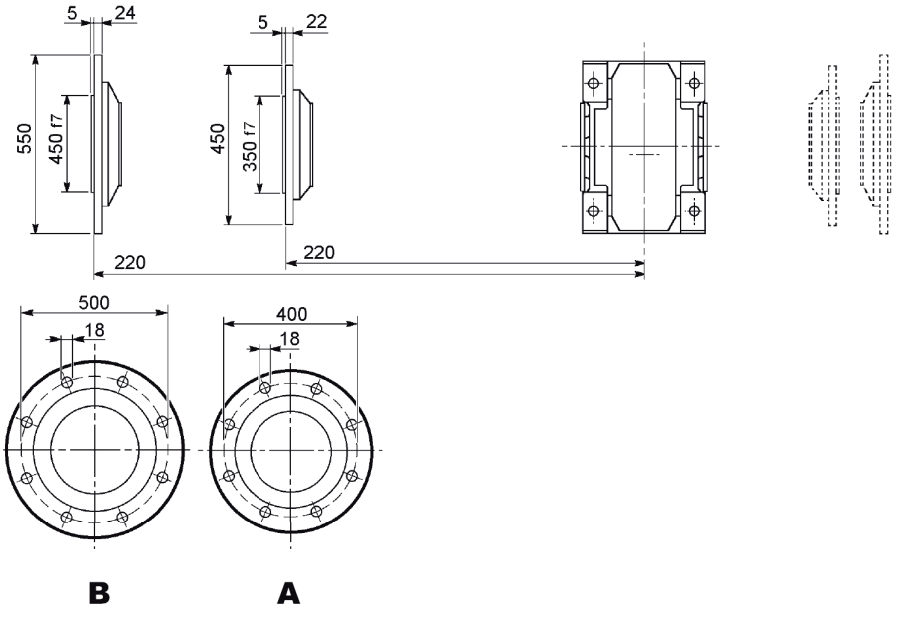


A 70...US

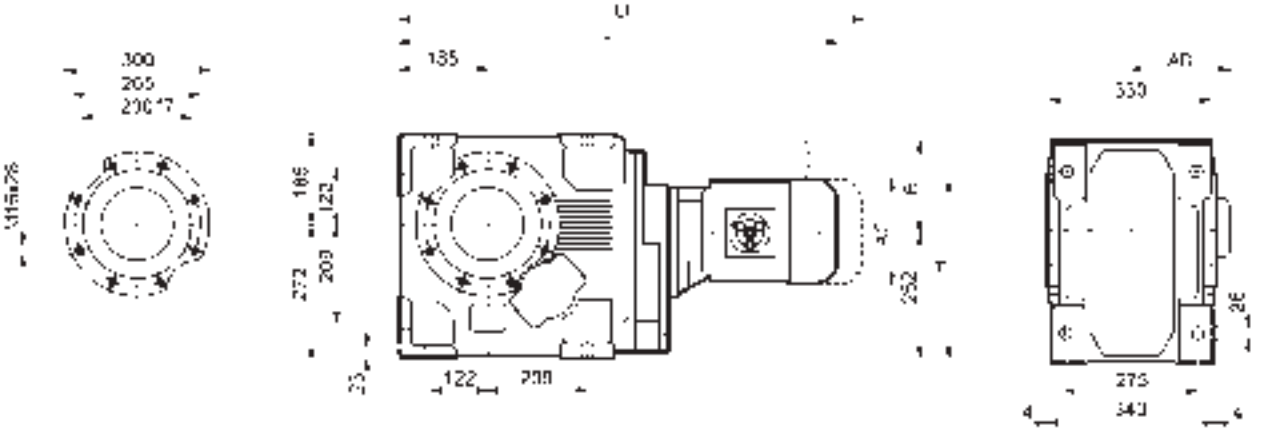




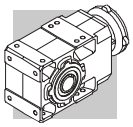
A 70...F...



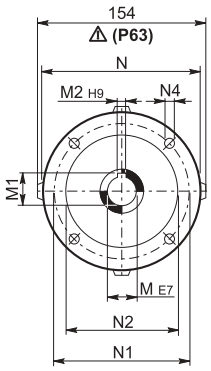
A 80...M/ME/MX



									M...FD M...FA		M...FD		M...FA	
				AC	H	L	AD		LF		R	AD	R	AD
A 80 3	**S3**	**ME3S**		195	349.5	809.5	142	257.5	—	—	—	—	—	—
A 80 3	**S3**	**MX3S**		195	349.5	841.5	142	260.5	—	—	—	—	—	—
A 80 3	**S3**	**ME3L**		195	349.5	841.5	142	264	—	—	—	—	—	—
A 80 3	**S3**	**MX3L**		195	349.5	885.5	142	270	—	—	—	—	—	—
A 80 3	**S4**	**ME4**	**MX4**	258	381	949.5	193	298	—	—	—	—	—	—
A 80 3	**S4**	**ME4LB**	**MX4LA**	258	381	984.5	193	306	—	—	—	—	—	—
A 80 3	**S5**	**ME5S**	**MX5S**	310	407	1036	245	326	—	—	—	—	—	—
A 80 3	**S5**	**ME5L**	**MX5L**	310	407	1080	245	342	—	—	—	—	—	—
A 80 4	**S1**	**M1**		138	321	800.5	108	246	861.5	249	103	135	124	108
A 80 4	**S2**	**M2S**		156	330	829.5	119	250	899.5	254	129	146	134	119
A 80 4	**S2**	**ME2S**		156	330	829.5	119	250	—	—	—	—	—	—
A 80 4	**S2**	**MX2S**		156	330	873.5	119	255.1	—	—	—	—	—	—
A 80 4	**S3**	**ME3S**		195	349.5	872.5	142	256.5	—	—	—	—	—	—
A 80 4	**S3**	**MX3S**		195	349.5	904.5	142	259.5	—	—	—	—	—	—
A 80 4	**S3**	**ME3L**		195	349.5	904.5	142	262	—	—	—	—	—	—
A 80 4	**S3**	**MX3L**		195	349.5	948.5	142	268	—	—	—	—	—	—
A 80 4	**S4**	**ME4**	**MX4**	258	381	1012.5	193	296	—	—	—	—	—	—
A 80 4	**S4**	**ME4LB**	**MX4LA**	258	381	1047.5	193	304	—	—	—	—	—	—



A 80...P(IEC)



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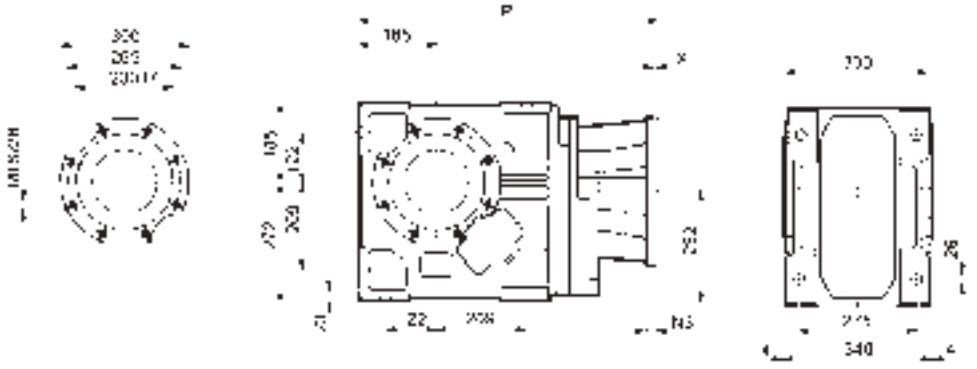
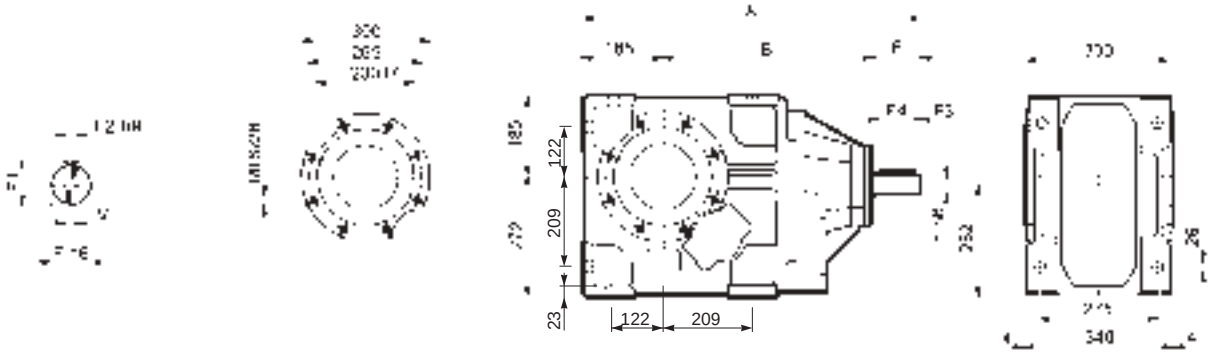


		M	M1	M2	N	N1	N2	N3	N4	X	P	kg
A 80 3	**P80**	19	21.8	6	200	165	130	—	M10x14.5	4	602	243
A 80 3	**P90**	24	27.3	8	200	165	130	—	M10x14.5	4	602	243
A 80 3	**P100**	28	31.3	8	250	215	180	—	M12x16	4.5	612	245
A 80 3	**P112**	28	31.3	8	250	215	180	—	M12x16	4.5	612	245
A 80 3	**P132**	38	41.3	10	300	265	230	16	14	5	648.5	253
A 80 3	**P160**	42	45.3	12	350	300	250	23	18	6	704	268
A 80 3	**P180**	48	51.8	14	350	300	250	23	18	6	704	268
A 80 3	**P200**	55	59.3	16	400	350	300	—	M16x25	7	729	279
A 80 3	**P225**	60	64.4	18	450	400	350	25	18	6	774.5	298
A 80 4	**P63**	11	12.8	4	140	115	95	—	M8x19	4	645.5	248
A 80 4	**P71**	14	16.3	5	160	130	110	—	M8x16	4.5	645.5	248
A 80 4	**P80**	19	21.8	6	200	165	130	—	M10x14.5	4	665	249
A 80 4	**P90**	24	27.3	8	200	165	130	—	M10x14.5	4	665	249
A 80 4	**P100**	28	31.3	8	250	215	180	—	M12x16	4.5	675	250
A 80 4	**P112**	28	31.3	8	250	215	180	—	M12x16	4.5	675	250
A 80 4	**P132**	38	41.3	10	300	265	230	16	M12x16	5	711.5	259

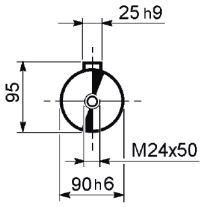
A 80...HS

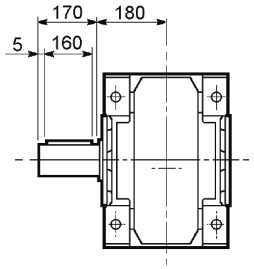


		A	B	E	F	F1	F2	F3	F4	V	kg
A 80 3	**HS**	786.5	491.5	110	42	45	12	10	90	M12x28	265
A 80 4		735	500	50	24	27	8	2.5	45	M8x19	250

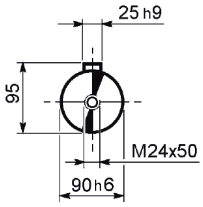
A 80

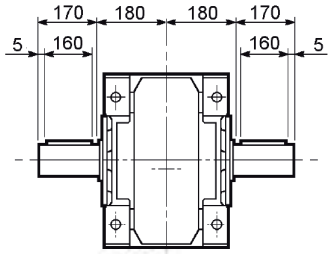
A 80...UR



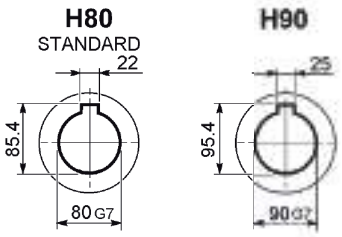


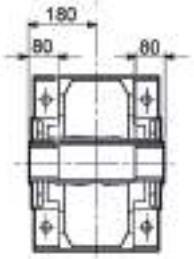
A 80...UD



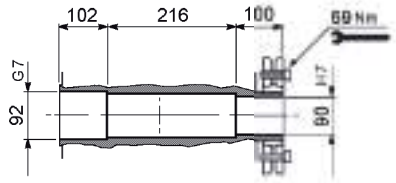


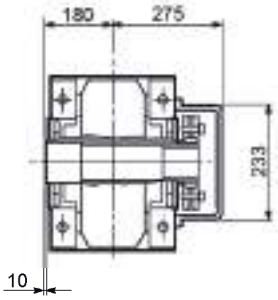
A 80...UH



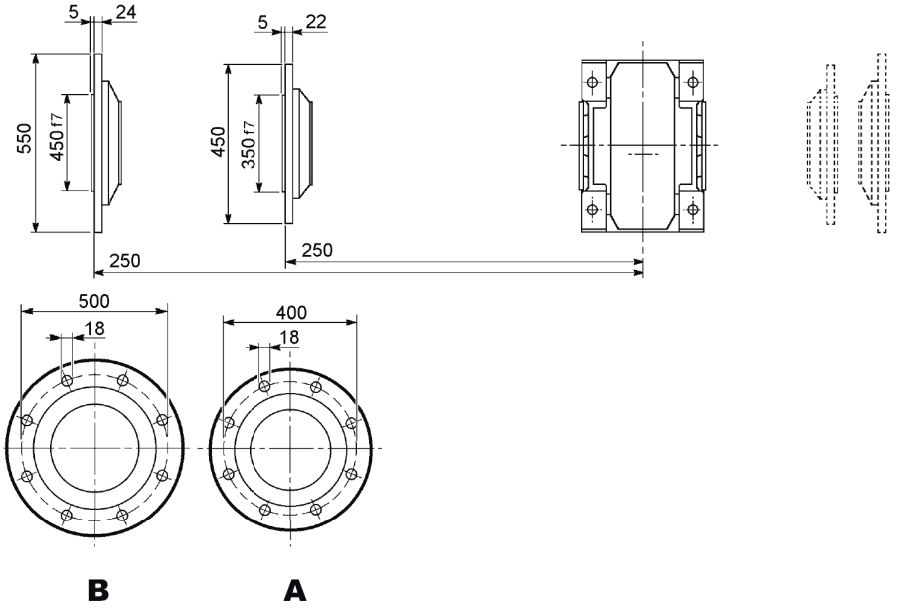


A 80...US

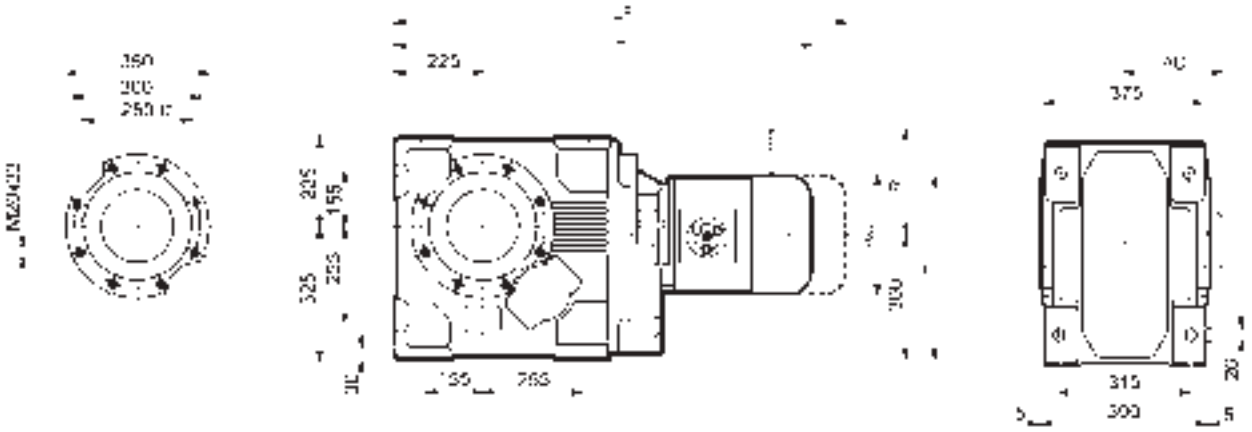




A 80...F...

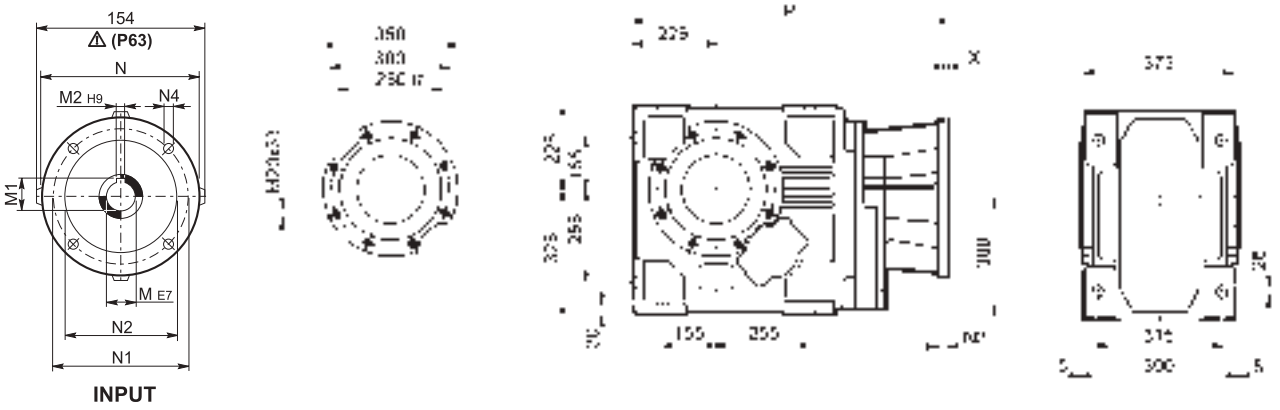


A 90...M/ME/MX



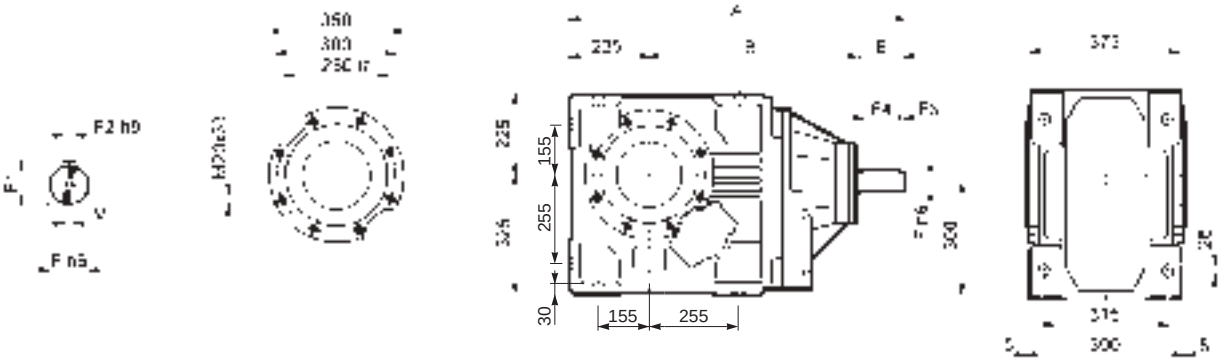
									M...FD M...FA		M...FD		M...FA	
				AC	H	L	AD		LF		R	AD	R	AD
A 90 3	**S3**	**ME3S**		195	397.5	930.5	142	414.5	—	—	—	—	—	—
A 90 3	**S3**	**MX3S**		195	397.5	962.5	142	413.5	—	—	—	—	—	—
A 90 3	**S3**	**ME3L**		195	397.5	962.5	142	420	—	—	—	—	—	—
A 90 3	**S3**	**MX3L**		195	397.5	1006.5	142	426	—	—	—	—	—	—
A 90 3	**S4**	**ME4**	**MX4**	258	429	1070.5	193	454	—	—	—	—	—	—
A 90 3	**S4**	**ME4LB**	**MX4LA**	258	429	1105.5	193	462	—	—	—	—	—	—
A 90 3	**S5**	**ME5S**	**MX5S**	310	455	1157	245	482	—	—	—	—	—	—
A 90 3	**S5**	**ME5L**	**MX5L**	310	455	1201	245	498	—	—	—	—	—	—
A 90 4	**S1**	**M1**		138	369	941.5	108	412	1002.5	249	103	135	124	108
A 90 4	**S2**	**M2S**		156	378	970.5	119	422	1040.5	426	129	146	134	119
A 90 4	**S2**	**ME2S**		156	378	970.5	119	422	—	—	—	—	—	—
A 90 4	**S2**	**MX2S**		156	378	1014.5	119	427.1	—	—	—	—	—	—
A 90 4	**S3**	**ME3S**		195	397.5	1013.5	142	428.5	—	—	—	—	—	—
A 90 4	**S3**	**MX3S**		195	397.5	1045.5	142	431.5	—	—	—	—	—	—
A 90 4	**S3**	**ME3L**		195	397.5	1045.5	142	434	—	—	—	—	—	—
A 90 4	**S3**	**MX3L**		195	397.5	1089.5	142	440	—	—	—	—	—	—
A 90 4	**S4**	**ME4**	**MX4**	258	429	1153.5	193	468	—	—	—	—	—	—
A 90 4	**S4**	**ME4LB**	**MX4LA**	258	429	1188.5	193	476	—	—	—	—	—	—

A 90...P (IEC)

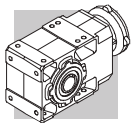


		M	M1	M2	N	N1	N2	N3	N4	X	P	kg
A 90 3	**P80**	19	21.8	6	200	165	130	—	M10x14.5	4	723	400
A 90 3	**P90**	24	27.3	8	200	165	130	—	M10x14.5	4	723	400
A 90 3	**P100**	28	31.3	8	250	215	180	—	M12x16	4.5	733	401
A 90 3	**P112**	28	31.3	8	250	215	180	—	M12x16	4.5	733	401
A 90 3	**P132**	38	41.3	10	300	265	230	16	14	5	769.5	409
A 90 3	**P160**	42	45.3	12	350	300	250	23	18	6	825	428
A 90 3	**P180**	48	51.8	14	350	300	250	23	18	6	825	429
A 90 3	**P200**	55	59.3	16	400	350	300	—	M16x25	7	850	436
A 90 3	**P225**	60	64.4	18	450	400	350	30	18	6	895.5	472
A 90 3	**P250**	65	69.4	18	550	500	450	30	18	6	925.5	475
A 90 4	**P63**	11	12.8	4	140	115	95	—	M8x19	4	786.5	411
A 90 4	**P71**	14	16.3	5	160	130	110	—	M8x16	4.5	786.5	412
A 90 4	**P80**	19	21.8	6	200	165	130	—	M10x14.5	4	806	413
A 90 4	**P90**	24	27.3	8	200	165	130	—	M10x14.5	4	806	413
A 90 4	**P100**	28	31.3	8	250	215	180	—	M12x16	4.5	816	415
A 90 4	**P112**	28	31.3	8	250	215	180	—	M12x16	4.5	816	415
A 90 4	**P132**	38	41.3	10	300	265	230	16	14	5	852.5	423
A 90 4	**P160**	42	45.3	12	350	300	250	23	18	5.5	903	434
A 90 4	**P180**	48	51.8	14	350	300	250	23	18	5.5	903	434

A 90...HS

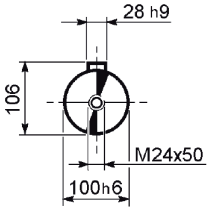


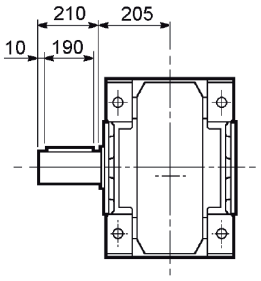
		A	B	E	F	F1	F2	F3	F4	V	kg
A 90 3	**HS**	1009	644	140	60	64	18	10	120	M16x36	465
A 90 4		875.5	600.5	50	24	27	8	2.5	45	M8x19	415



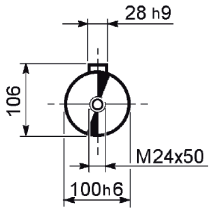
A 90

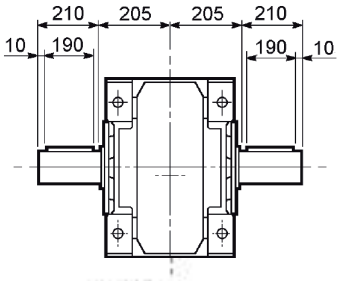
A 90...UR



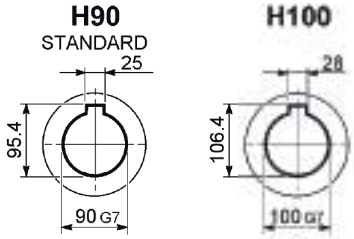


A 90...UD

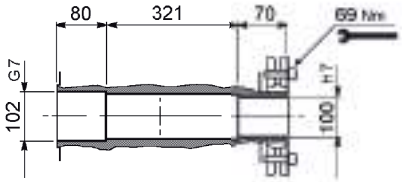


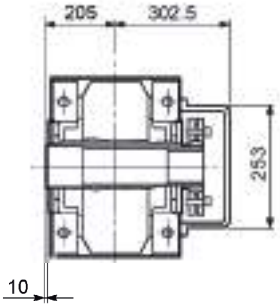


A 90...UH

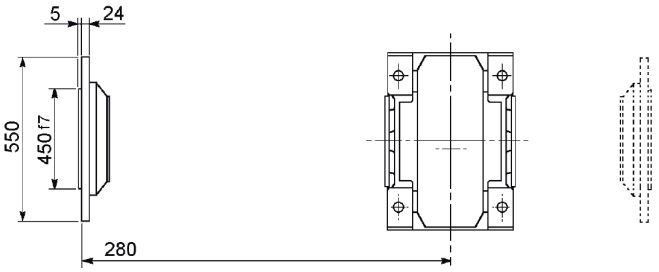


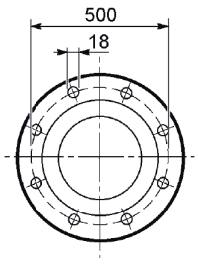
A 90...US





A 90...F...

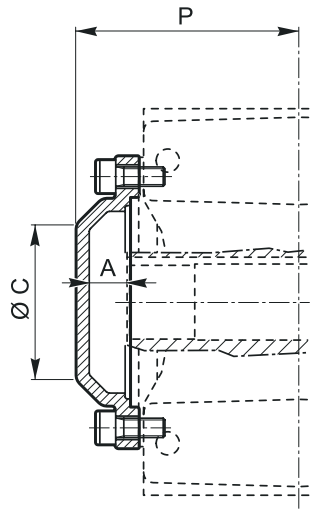




A

44 ACCESSORIES

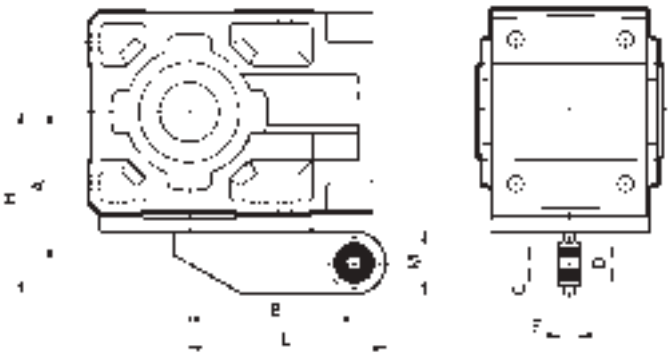
44.1 Safety cover



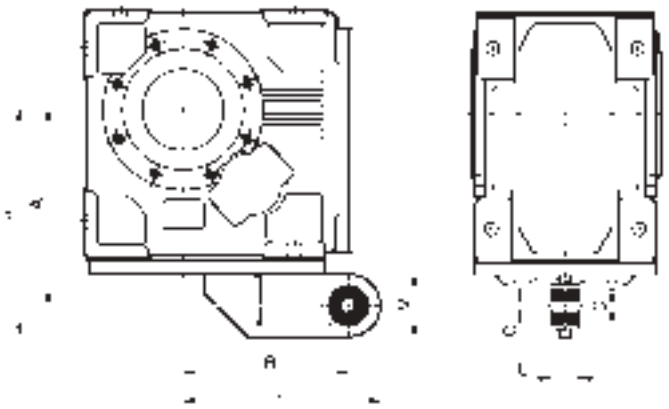
	A	Ø C	P
A 05	17.5	36	73.5
A 10	20.5	60	84.5
A 20	20	75	94
A 30	20	75	104
A 35	19.5	80	114
A 41	21	110	120
A 50	26	100	148.5
A 55	27	100	149
A 60	25	100	158
A 70	33.5	120	193.5
A 80	38	140	228
A 90	43	152	258

44,2 Torque arm

Torque arm comes complete with fastening bolts.



	A	B	C	D	E	H	L	M
A 05	90.5	80	10	30	20	115.5	105	50
A 10	108	118	10	30	20	138	148	60
A 20	118	137	10	30	20	148	167	60
A 30	135	150	20	40	25	170	185	70
A 35	145	165	20	40	25	180	200	70
A 41	157	200	20	40	25	192	235	70
A 50	200	250	32	56	40	245	295	90
A 55	200	250	32	56	40	245	295	90
A 60	225	300	32	56	40	270	345	90



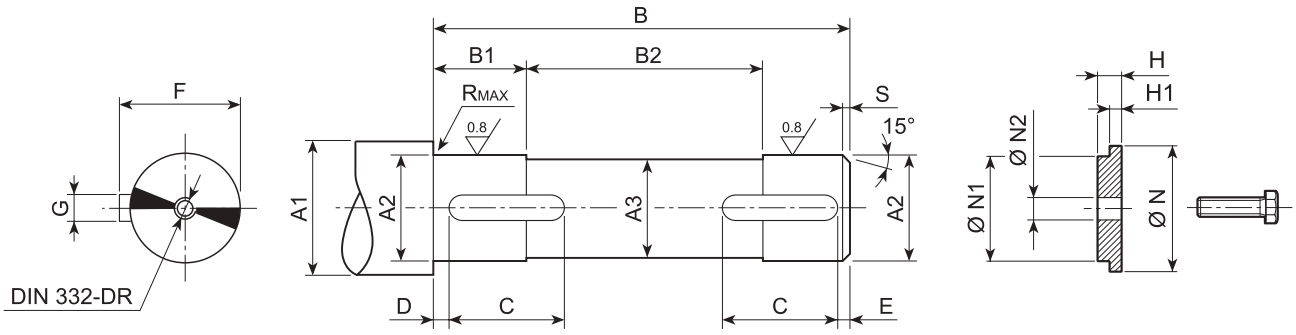
	A	B	C	D	E	H	L	M
A 70	289	250	32	56	40	334	295	90
A 80	357	300	42	78	60	422	365	130
A 90	410	350	42	78	60	475	415	130

45 CUSTOMER' SHAFT

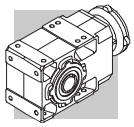
Make the driven shaft to be coupled to the gear unit's output shaft from a good quality steel, respecting the dimensions given in the table.

A device such as that illustrated below should also be installed to secure the shaft axially. Take care to verify and dimension the various components to suit the needs of the application.

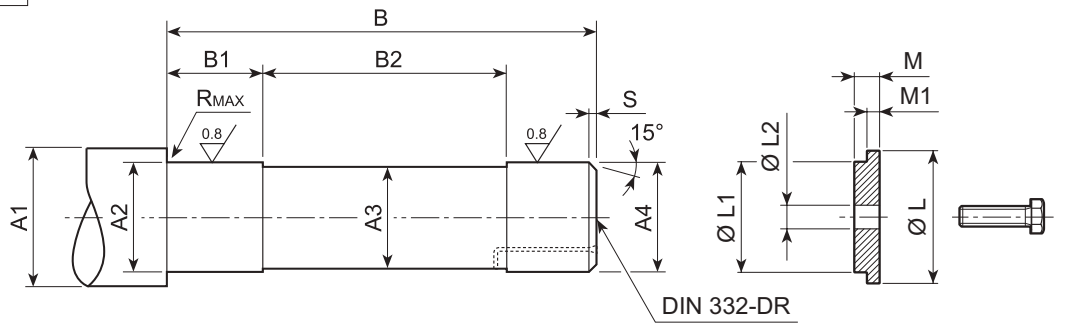
UH_



	A1	A2	A3	B	B1	B2	C	D	E	F	G	R	S	UNI 6604	N	N1	N2	H	H1	UNI 5739
A05 UH25	≥ 30	25 h7	24	102	21	62	20	2	2	28	8 h9	0.5	1.5	8x7x20 A	35	25 d9	9	7	5.5	M8x25
A10 UH30	≥ 35	30 h7	29	118	16	87	20	2	2	33	8 h9	0.5	1.5	8x7x20 A	35	30 d9	11	8.5	7	M10x30
A10 UH25	≥ 30	25 h7	24	118	16	87	20	2	2	28	8 h9	0.5	1.5	8x7x20 A	30÷35	25 d9	9	7	5.5	M8x25
A20 UH35	≥ 42	35 h7	34	138	20	98	20	2	2	38	10 h9	0.5	1.5	10x8x20 A	42	35 d9	11	8.5	7	M10x30
A20 UH30	≥ 35	30 h7	29	138	20	98	25	2	2	33	8 h9	0.5	1.5	8x7x25 A	35÷42	30 d9	11	8.5	7	M10x30
A30 UH40	≥ 47	40 h7	39	158	23	112	30	2	2	43	12 h9	0.5	1.5	12x8x30 A	47	40 d9	14	8.5	7	M12x35
A30 UH35	≥ 42	35 h7	34	158	23	112	30	2	2	38	10 h9	0.5	1.5	10x8x30 A	42÷47	35 d9	11	8.5	7	M10x30
A35 UH40	≥ 47	40 h7	39	175	33	109	40	2	2	43	12 h9	1	1.5	12x8x40 A	47	40 d9	14	8.5	7	M12x35
A35 UH35	≥ 42	35 h7	34	175	33	109	40	2	2	38	10 h9	1	1.5	10x8x40 A	42÷47	35 d9	11	8.5	7	M10x30
A41 UH45	≥ 52	45 h7	44	184	28	128	45	2.5	2.5	48.5	14 h9	1	2	14x9x45 A	52	45 d9	14	8.5	7	M12x35
A41 UH40	≥ 47	40 h7	39	184	28	128	50	2.5	2.5	43	12 h9	1	2	12x8x50 A	47÷52	40 d9	14	8.5	7	M12x35
A50 UH55	≥ 63	55 h7	54	226	37.5	151	55	2.5	2.5	59	16 h9	1	2	16x10x55 A	63	55 d9	22	10	8	M20x50
A50 UH50	≥ 57	50 h7	49	226	37.5	151	65	2.5	2.5	53.5	14 h9	1	2	14x9x65 A	57÷63	50 d9	18	10	8	M16x45
A55 UH60	≥ 70	60 h7	59	226	37.5	151	65	2.5	2.5	64	18 h9	2	2	18x11x65 A	70	60 d9	22	10	8	M20x50
A55 UH50	≥ 60	50 h7	49	226	37.5	151	75	2.5	2.5	53.5	14 h9	2	2	14x9x75 A	60÷70	50 d9	18	10	8	M16x45
A60 UH70	≥ 78	70 h7	69	248	48	152	70	2.5	2.5	74.5	20 h9	2.5	2	20x12x70 A	78	70 d9	22	10	8.5	M20x50
A60 UH60	≥ 68	60 h7	59	248	48	152	80	2.5	2.5	64	18 h9	2.5	2	18x11x80 A	68÷78	60 d9	22	10	8.5	M20x50
A70 UH80	v89	80 h7	79	303	58	187	90	3	3	85	22 h9	2.5	2.5	22x14x90 A	89	80 d9	22	10	8.5	M20x50
A70 UH70	≥ 78	70 h7	69	303	58	187	110	3	3	74.5	20 h9	2.5	2.5	20x12x110 A	78÷89	70 d9	22	10	8.5	M20x50
A80 UH90	≥ 99	90 h7	89	358	78	202	120	3	3	95	25 h9	2.5	2.5	25x14x120 A	99	90 d9	26	22	20.5	M24x70
A80 UH80	≥ 89	80 h7	79	358	78	202	130	3	3	85	22 h9	2.5	2.5	22x14x130 A	89÷99	80 d9	22	10	8.5	M20x50
A90 UH100	≥ 111	100 h7	99	408	78	252	160	3	3	106	28 h9	2.5	2.5	28x16x160 A	111	100 d9	26	22	20.5	M24x70
A90 UH90	≥ 99	90 h7	89	408	78	252	190	3	3	95	25 h9	2.5	2.5	25x14x190 A	99÷111	90 d9	26	22	20.5	M24x70

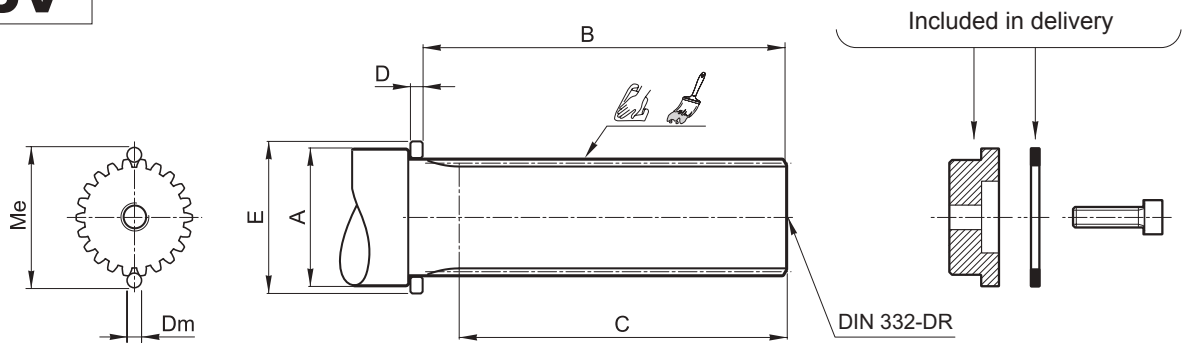


US

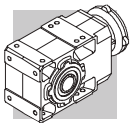


	A1	A2	A3	A4	B	B1	B2	R	S	L	L1	L2	M	M1	UNI 5739
A 05	≥ 35	27 h7	24	25 h6	129.5	32	63.5	0.5	1.5	29.5	25 d9	11	8.5	7	M10x30
A 10	≥ 42	32 h7	29	30 h6	147.5	34	77.5	0.5	1.5	35.5	30 d9	11	8.5	7	M10x30
A 20	≥ 48	37 h7	34	35 h6	170	40	89	0.5	1.5	43	35 d9	14	8.5	7	M12x35
A 30	≥ 54	42 h7	39	40 h6	191.5	48	95.5	0.5	1.5	49	40 d9	18	10	8.5	M16x45
A 35	≥ 54	42 h7	39	40 h6	208.5	48	112.5	0.5	1.5	49	40 d9	18	10	8.5	M16x45
A 41	≥ 60	47 h7	44	45 h6	222	53	117	1	2	54	45 d9	18	10	8.5	M16x45
A 50	≥ 72	57 h7	54	55 g6	264	46	156	1	2	72	55 d9	22	10	8.5	M20x50
A 55	≥ 72	62 h7	59	60 g6	266	46	158	2.5	2	72	60 d9	22	10	8.5	M20x50
A 60	≥ 90	72 h7	69	70 g6	293	48	178	2.5	2.5	85	70 d9	22	10	8.5	M20x50
A 70	≥ 104	82 h7	79	80 g6	352.5	90	172.5	2.5	2.5	95	80 d9	22	10	8.5	M20x50
A 80	≥ 114	92 h7	89	90 g6	416	100	216	2.5	2.5	105	90 d9	26	22	20.5	M24x70
A 90	≥ 126	102 h7	99	100 g6	469	78	321	2.5	2.5	120	100 d9	26	22	20.5	M24x70

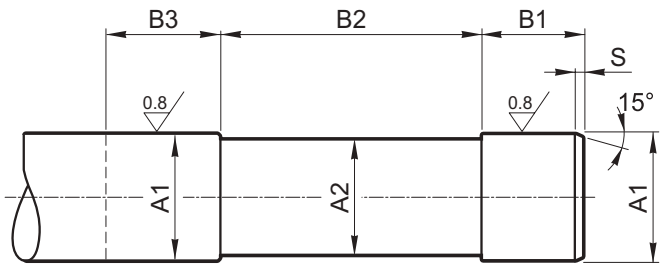
UV



	DIN 5480	Me	Dm	A	B	C	D	E	ISO 4762
A 20	30x1.25x22	33.04 +0/-0.04	2.75	≥ 40	111.5	≥ 95	7	45	M10x35
A 30	35x2x16	38.93 +0/-0.04	4	≥ 45	130.5	≥ 112	7	50	M12x40
A 35	35x2x16	38.93 +0/-0.04	4	≥ 45	147.5	≥ 129	7	50	M12x40
A 41	45x2x21	48.86 +0/-0.04	4	≥ 55	155.5	≥ 136	7	60	M16x45
A 50	50x2x24	54.14 +0/-0.05	4	≥ 60	196	≥ 175	7	65	M16x45
A 55	50x2x24	54.14 +0/-0.05	4	≥ 60	196	≥ 175	7	65	M16x45
A 60	65x2x31	68.97 +0 /-0.05	4	≥ 75	213.5	≥ 191	7	80	M20x55



QF



		A1	A2	B1	B2	B3	S
A 10	**QF25**	25 h6	24	41	95	≥ 50	1.5
	QF30	30 h6	29				
A 20	**QF25**	25 h6	24	41	115	≥ 50	1.5
	QF30	30 h6	29				
A 30	**QF35**	35 h6	34	45	130	≥ 54	1.5
	QF40	40 h6	39				
A 35	**QF35**	35 h6	34	45	146.5	≥ 54	1.5
	QF40	40 h6	39				
A 41	**QF40**	40 h6	39	47	151.5	≥ 56	2
	QF45	45 h6	44				
A 50	**QF50**	50 h6	49	48	197	≥ 57	2
	QF55	55 h6	54				
A 55	**QF55**	55 h6	54	50	190	≥ 59	2
	QF60	60 h6	59				
A 60	**QF60**	60 h6	59	57	203	≥ 66	2.5
	QF65	65 h6	64				
	QF70	70 h6	69				

46 INTRODUCTION TO THE ATEX DIRECTIVES

46.1 Explosive atmosphere

An **explosive atmosphere** for the purposes of Directive 2014/34/EU is defined as a mixture:

a. of **flammable substances**, in the form of gases, vapours, mists or dusts;
b. with **air**;
c. under atmospheric conditions;
d. in which, after ignition, the combustion spreads to the entire unburned mixture (it has to be noted that sometimes, mainly with dust, not always the whole quantity of the combustible material is consumed by the combustion).

An atmosphere, which could become explosive due to local and/or operational conditions is called a **potentially explosive atmosphere**.
It is only in this kind of potentially explosive atmosphere which products falling under the Directive 2014/34/EU are designed for.

46.2 European harmonised atex standards

Directive 2014/34/EU stipulates the minimum safety requirements for products intended for use in explosion risk areas within the member countries of the European Union. The directive also assigns such equipment to **categories,** which are defined by the directive itself.

The following table describes the **zones** into which the user of a plant, in which an explosive atmosphere may occur,is required to divide the equipment application areas.

(C 1)

Zones		Formation frequency of a potentially xplosive atmosphere	Type of danger
Gaseous atmosphere G	Dusty atmosphere D		
0	20	Present continuously or for long periods	Permanent
1	21	Likely to occur in normal operation occasionally	Potential
2	22	Not likely to occur in normal operation but if it does occur will persist for short period only	Minimal

BONFIGLIOLI RIDUTTORI gear units selected in this catalogue are suitable for installation in zones 1, 21.

Gearbox can also be supplied for installation in zones 2, 22. Contact our Technical Service for further details.

As from 20 April 2016 the ATEX directive 2014/34/EU come into force throughout the entire European Union, and replace existing conflicting national and European laws on explosive atmospheres and the previous directive 94/9/EC.
It should be emphasised that, for the first time, the directives also govern mechanical, hydraulic and pneumatic equipment, and not only electrical equipment as has been the case so far.
With regard to the Machinery Directive 2006/42/EC it should be noted that directive 2014/34/EU is a set of extremely specific requirements dedicated to the dangers deriving from potentially explosive atmospheres, whereas the Machinery Directive contains only very general explosion safety requirements (Annex I).
Consequently, as regards protection against explosion in potentially explosive atmospheres, Directive 2014/34/EU takes precedence over the Machinery Directive.
The requirements of the Machinery Directive apply to all other risks regarding machinery.

46.3 Levels of protection for the various categories of equipment

The various categories of equipment must be able to operate in conformity witht he Manufacturer's operational specifications, at certain defined levels of protection.
The availability of BONFIGLIOLI RIDUTTORI products is highlighted in grey.

(C 2)

Protection level	Category		Type of protection	Operating conditions
	Group I	Group II		
Very high	M1		Two independent means of protection or safety capable of operating even when two independent faults occur.	The equipment remains powered and operational even in the presence of an explosive atmosphere.
Very high		**1**	Two independent means of protection or safety capable of operating even when two independent faults occur.	The equipment remains powered and operational in zones 0, 1, 2 (G) and/or zones 20, 21, 22 (D).
High	M2		Protection suitable for normal operation and heavy duty conditions.	Power to the equipment is shut off in the presence of a potentially explosive atmosphere.
High		**2**	Protection suitable for normal operation and frequent faults or equipment in which malfunction is normal.	The equipment remains powered and operational in zones 1, 2 (G) and/or zones 21, 22 (D).
Normal		**3**	Protection suitable for normal operation.	The equipment remains powered and operational in zones 2 (G) and/or zones 22 (D).

46.4 Definition of groups

Group I Applies to equipment intended for use underground in parts of mines and those parts of surface installations of such mines, liable to been dangered by fire damp and/or combustible dust.

Group II Applies to equipment intended for use in other places liable to been dangered by explosive atmospheres.

BONFIGLIOLI RIDUTTORI products may not therefore be installed in mines, classified in **Group I** and in **Group II**, category 1.

To summarise, the classification of equipment in to groups, categories and zones is illustrated in the table below, where by the availability of BONFIGLIOLI RIDUTTORI products is highlighted in grey.

(C 3)

Group	**I**		**II**					
	Mines, firedamp		**Other potentially explosive areas (gas, dust)**					
Category	M1	M2	1		2		3	
Atmosphere(1)			G	D	G	D	G	D
Zone			0	20	1	21	2	22
Type of protection gear unit					c, k	c, k		

(1) **G** = gas **D** = **dust**

This catalogue describes BONFIGLIOLI RIDUTTORI **gear units**, intended for use in potentially explosive atmospheres, with limitation to categorie 2.

The products described here in conform to the minimum safety requirements of European Directive 2014/34/EU, which is part of the directives known as ATEX (ATmosphères EXplosibles).

46.5 Declaration of conformity

The Declaration of Conformity, is the document which attests to the conformity of the product to Directive 2014/34/EU.
The validity of the Declaration is bound to observance of the instructions given in the User, Installation and Service Manual for safe use of the product throughout its service life.
This can be downloaded from www.bonfiglioli.com where the manual is available in PDF format in a number of languages.
The instructions regarding ambient conditions are of particular importance inasmuch as failure to observe them during operation of the product renders the certificate null and void. In case of doubt regarding the validity of the certificate of conformity, contact the BONFIGLIOLI RIDUTTORI technical department.

47 SELECTION

Some fundamental data are necessary to assist the correct selection of a gearbox or gear unit with IEC motor interface. The table below briefly sums up this information.
To simplify selection, a copy of this form, duly filled in, can be forwarded to our Technical Service which will select the most suitable drive unit for your application.

(C 4)

Bonfiglioli power, control and green solutions	TECHNICAL DATA REQUIRED FOR THE SELECTION OF GEARBOXS A SERIES	Nr:	
		Date:	
		Rev_	Date:

		A)	***GENERAL DATA***					
#	1		Company / Customer					
#	2		Contact					
#	3		Branch / Distributor					
#	4		Order quantity					
	5		Delivery time					
		B_1)	***ELECTRIC MOTOR***					
	6		Motor Type					
#	7	P_{n1}	Rated motor Power		[kW]			
#	8	P_{r1}	Motor power demand		[kW]			
	9	n_1	Input speed		[min^{-1}]			
	10		No. of Poles					
		C)	***GEARBOX***					
#	11		Gearbox configuration					
#	12	i	Gear ratio					
#	13	n_1	Input speed		[min^{-1}]			
#	14	M_{r2}	Output torque demand		[Nm]			
#	15	f_S	Service factor demand					
	16		Rotation of the output shaft [frontal view]:	**CW**	**CCW**			
#	17	L_{10H}	Bearings lifetime		[h]			
	18		Gears lifetime		[h]			
	19	SF_{min}	Safety for tooth root stress		standard reference (ISO preferred)			
	20	SH_{min}	Safety for flank pressure		standard reference (ISO preferred)			
		D)	***ADDITIONAL LOADS***					
	21	R_{c2}	Radial load on output shaft		[N]	Orientation [°]		
	22	x_2	Load application distance from shaft shoulder		[mm]			
	23	R_{c1}	Radial load on input shaft		[N]	Orientation [°]		
	24	x_1	Load application distance from shaft shoulder		[mm]			
	25	A_{n2}	Thrust load on output shaft (+ / -)		[N]	+ = push		
	26	A_{n1}	Thrust load on input shaft (+ / -)		[N]	- = pull		
		E)	***APPLICATION***					
#	27		Type of application					
	28		Duty cycle	Time phase	Gearbox output torque	Gearbox output speed		
				%	[Nm]	[min^{-1}]		
				,,,,	,,,,			
				,,,,	,,,,			
				,,,,	,,,,			
	29		Notes about Duty Cycle:					
	30		Rating according FEM class	T-	L-	M-		
	31		Degree of intermittence		[%]			
	32	t_a	Ambient temperature range		[°C]			
#	33		Altitude a.s.l.		[m]			
	34		Type of ambient	small indoor space	large indoor space	outdoor		
		F)	***NOTES***					
	35		Notes and additional Customer requirements:					

Mandatory for the selection

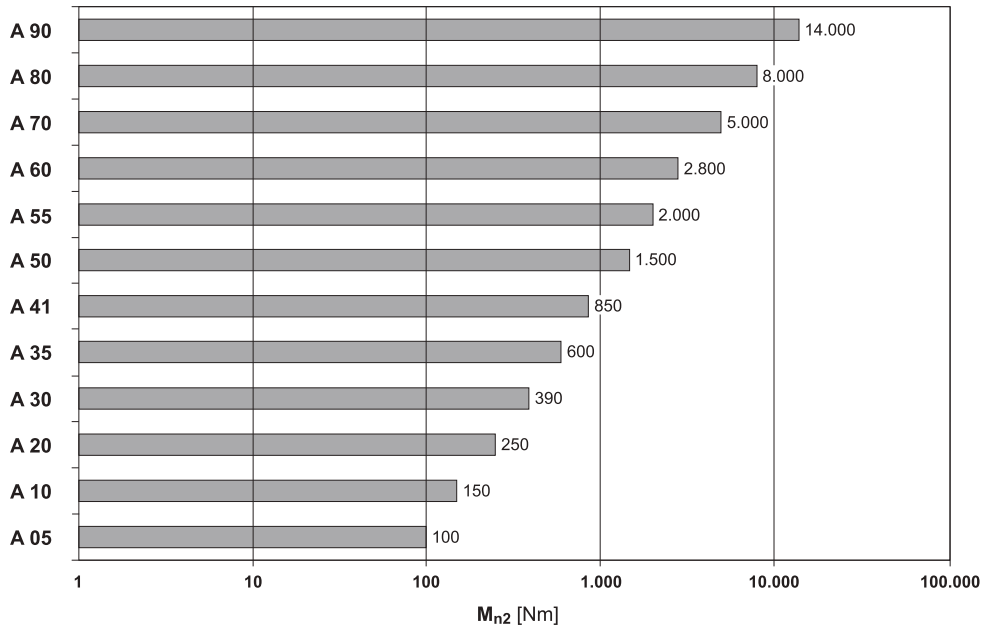
48 INSTALLATION, USE AND MAINTENANCE

All the instructions for installation, use and maintenance of the product are given in the unit's Manual. This can be downloaded from www.bonfiglioli.com where the manual is available in PDF format in a number of languages.
This document must be kept in a suitable place, in the vicinity of the installed gear unit, as a reference for all persons authorised to work with or on the product throughout its service life.

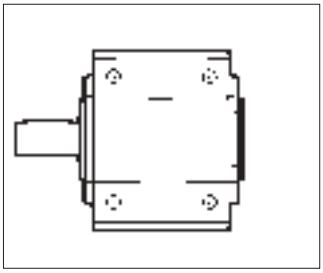
49 CONSTRUCTION OF ATEX-SPECIFIED EQUIPMENT

- Equipped with service plugs for periodic lubricant level checks.
- Equipped with vent caps with anti-intrusion valve.
- Factory-charged with lubricant (synthetic oil), depending on the mounting position specified in the order.
- Fluoro elastomer seal rings as standard.
- No plastic component parts..
- Nameplate indication of the product category and type of protection.
- Components operable at above the operating temperature.
- Temperature indicator supplied along with each unit.

(C 5)



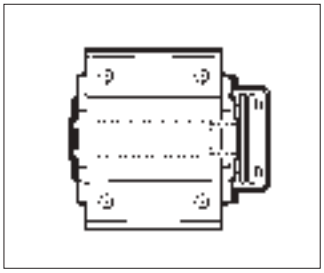
50 VERSIONS



UR

Single extension output shaft

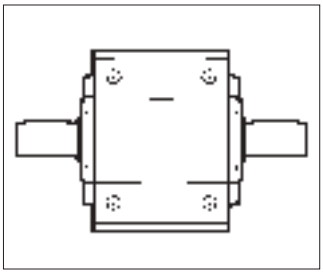
A 10 ... A 90



US

Hollow output shaft and shrink disc

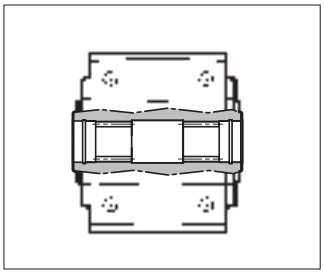
A 05 ... A 90



UD

Double extended output shaft

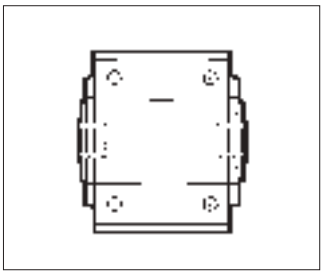
A 10 ... A 90



UV

Splined hollow shaft DIN 5480

A 20 ... A 60



UH

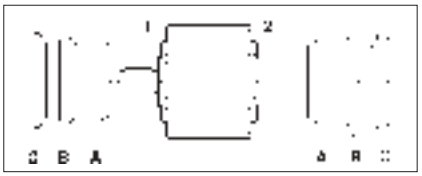
Hollow output shaft and keyway

A 05 ... A 90

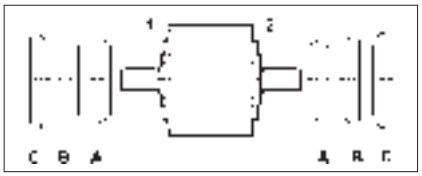
Basic versions with bolted flange

The sketches show the applicable flanges to the basic versions and their positions, designated with either ① or ② .

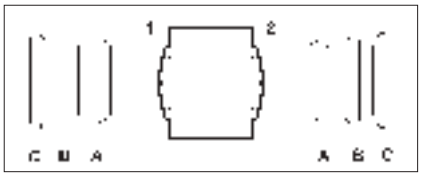
UR F1... **UR F2...**



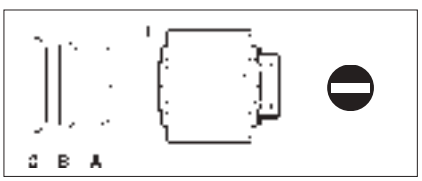
UD F1... **UD F2...**



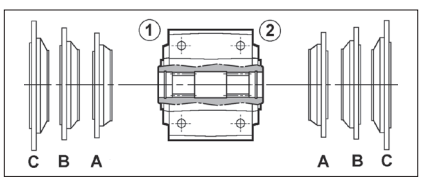
UH... F1... **UH... F2...**



US F1... **US F2...**



UV F1... **UV F2...**



51 DESIGNATION

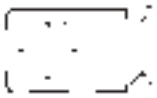
GEAR UNIT

A 50 3 UH50 F1A 99.5 P90 B3 EX

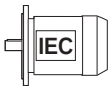
OPTIONS

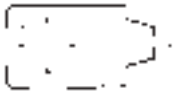
MOUNTING POSITION
B3 (Standard), **B6**, **B7**, **B8**, **VA**, **VB**

INPUT CONFIGURATION



IEC_ **P63 ... P250**



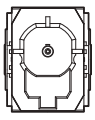


HS

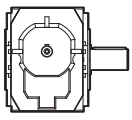
GEAR RATIO

OUTPUT FLANGE SIZE AND POSITION
(specify only if requested)
F = Flanged version
1, **2** = Flange position
A, **B**, **C** = Flange size

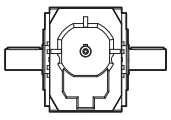
VERSION



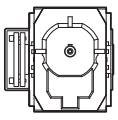
UH_



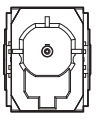
UR
(A 10...A 90)



UD
(A 10...A 90)



US
(A 05...A 90)



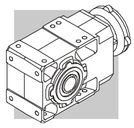
UV
(A 20...A 60)

A 05	A 10	A 20	A 30	A 35	A 41	A 50	A 55	A 60	A 70	A 80	A 90
UH25	**UH25**	**UH30**	**UH35**	**UH40**	**UH45**	**UH50**	**UH60**	**UH60**	**UH70**	**UH80**	**UH90**
—	UH30	UH35	UH40	UH35	UH40	UH55	UH50	UH70	UH80	UH90	UH100

REDUCTIONS
2 (A 05...A 60), **3** (A 20...A 90), **4** (A 50...A 90)

GEAR FRAME SIZE
05, **10**, **20**, **30**, **35**, **41**, **50**, **55**, **60**, **70**, **80**, **90**

TYPE: **A** = Helical bevel gear units



Gearbox options

EX

The gear unit can be installed in zones 1 and 21 (categories 2G and 2D).
The temperature class is T4 (max. 135 °C).

CERTIFICATES

AC - Certificate of compliance

The document certifies the compliance of the product with the purchase order and the construction in conformity with the applicable procedures of the Bonfiglioli Quality System.

CC - Inspection certificate

The document entails checking on order compliance, the visual inspection of external conditions and of mating dimensions. Checking on main functional parameters in unloaded conditions is also performed along with oil seal proofing, both in static and in running conditions. Units inspected are sampled within the shipping batch and marked individually.

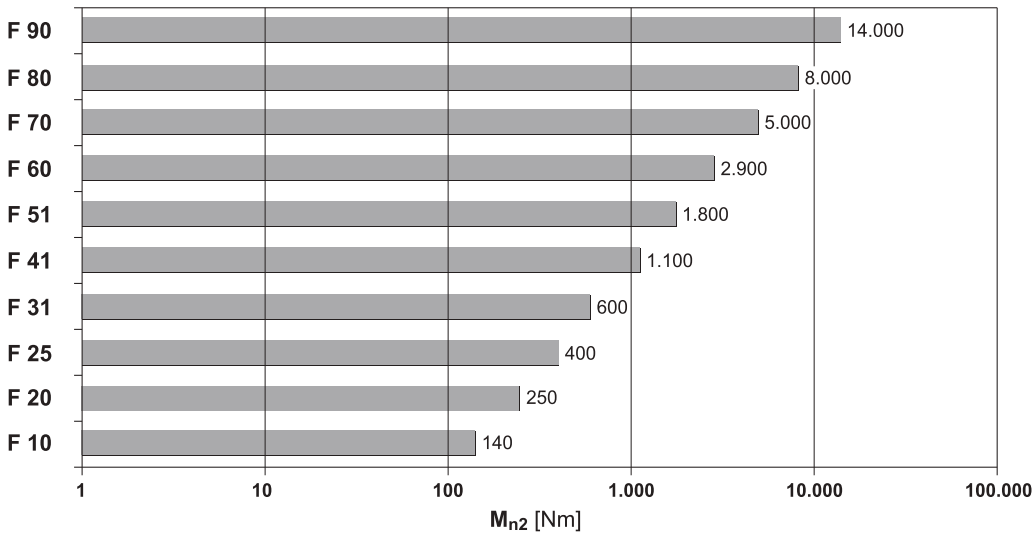
52 OTHERS INFORMATION ABOUT GEARBOX AND GEARMOTOR

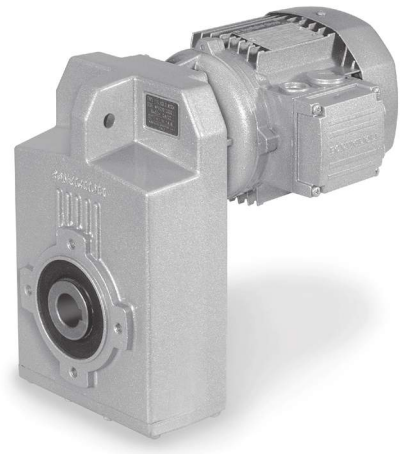
Mounting positions, technical data, motor availability,moments of inertia and dimensions of **A-EX (Atex)** series don’t change among equivalent **A** product series. All of these information can be obtained in the related chapters of this catalogue.

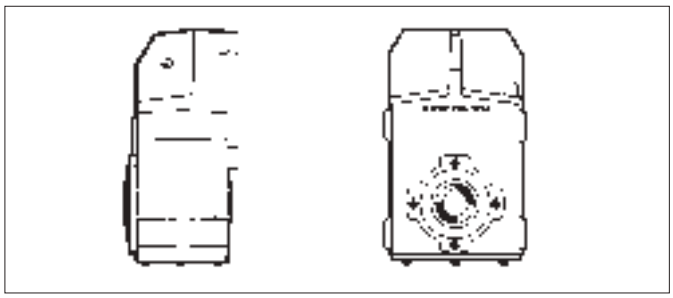
53 DESIGN FEATURES

The main design characteristics are:
- modularity
- space effectiveness
- universal mounting
- high efficiency
- quite operation
- gears in hardened and case-hardened steel
- bare aluminium housing for sizes 10, 20 and 25, high strength painted cast-iron housings for larger frame sizes.

(D 44)



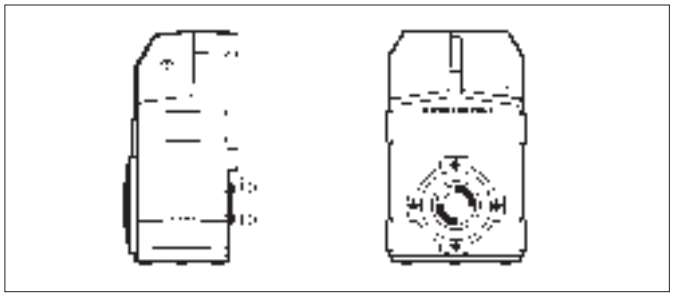




H

Hollow output shaft and keyway

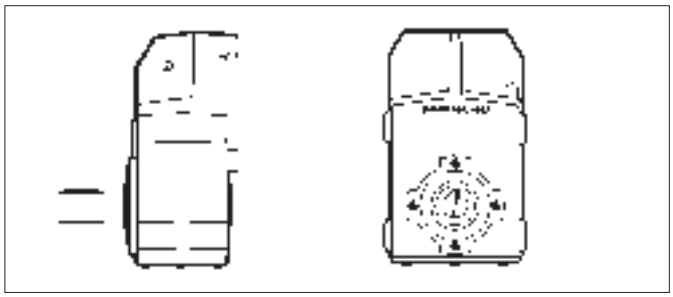
F 10 ... F 90



S

Hollow output shaft and shrink disc

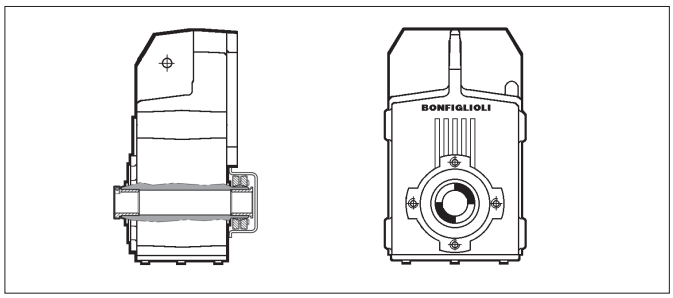
F 10 ... F 90



R

Solid output shaft

F 10 ... F 90



QF (Quick-fit)

Hollow shaft with adapter bushings and shrink disc

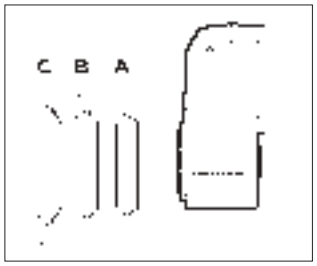
F 10 ... F 60

$M_{n2\ max}$ [Nm]	
F 25 QF30	350
F 41 QF42	850
F 41 QF45	1000
F 51 QF50	1750

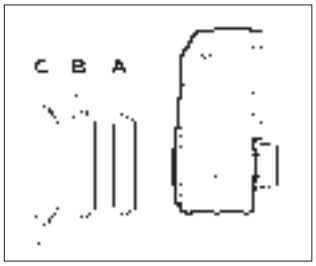
Basic versions with bolted flange

The sketches show the applicable flanges to the basic versions.

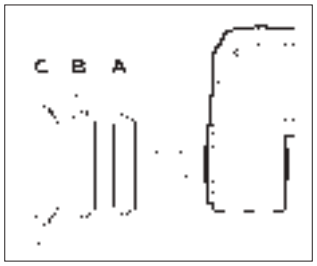
H... F...



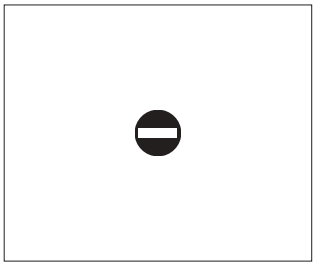
S F...



R F...



QF...



55 DESIGNATION

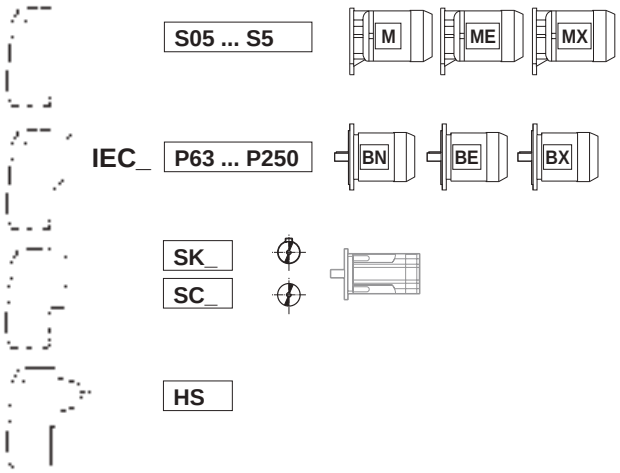
GEAR UNIT

F 10 2 H30 FA 9.8 S2 H5 .....

OPTIONS

MOUNTING POSITION
H1 (Default), **H2**, **H3**, **H4**, **H5**, **H6**

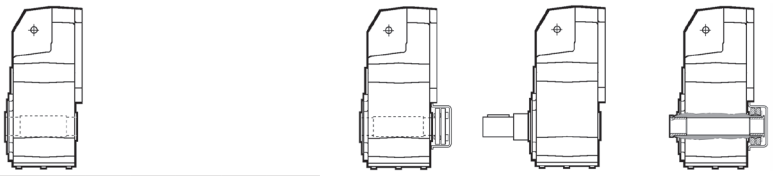
INPUT CONFIGURATION



GEAR RATIO

OUTPUT FLANGE SIZE AND POSITION (specify only if requested)
F = Flanged version
A, **B**, **C** = Flange size

VERSION



	H									
	F 10	F 20	F 25	F 31	F 41	F 51	F 60	F 70	F 80	F 90
Standard	**H25**	**H30**	**H35**	**H35**	**H40**	**H50**	**H60**	**H80**	**H90**	**H100**
Alternative	H30	H35	H40	H40	H45	H55	H70	H70	H80	H90

S (F 10...F 90)

R (F 10...F 90)

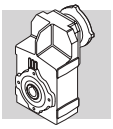
QF (F 10...F 60)

← Alternative diameters available on request

REDUCTIONS
2 (F 10...F 51), **3** (F 20...F 90), **4** (F 31...F 90)

GEAR FRAME SIZE
10, **20**, **25**, **31**, **41**, **51**, **60**, **70**, **80**, **90**

TYPE **F** = helical shaft-mounted gear unit



MOTOR | BRAKE

M **1LA** **4** 230/400-50 IP54 CLF ..... **W** **FD** 7.5 R SB 220 SA .....

OPTIONS

BRAKE SUPPLY

RECTIFIER TYPE
AC/DC
NB, **SB**, **NBR**, **SBR**

BRAKE HAND RELEASE
R, **RM**

BRAKE TORQUE

BRAKE TYPE
FD (d.c. brake)
FA (a.c. brake)

TERMINAL BOX POSITION
W (default), **N**, **E**, **S**

MOTOR MOUNTING
— (compact motor)
B5 (IEC - motor)

INSULATION CLASS
CL F standard
CL H option

DEGREE OF PROTECTION
IP55 standard (IP54 - brake motor)

VOLTAGE - FREQUENCY

POLE NUMBER
2, **4**, **6**, **2/4**, **2/6**, **2/8**, **2/12**, **4/6**, **4/8**

MOTOR SIZE
0B ... 5LA (compact motor)
63A ... 250MA (IEC motor)

MOTOR TYPE
MX = compact 3-phase, class IE3 | **ME** = compact 3-phase, class IE2 | **M** = compact 3-phase
BX = IEC 3-phase, class IE3 | **BE** = IEC 3-phase, class IE2 | **BN** = IEC 3-phase

55.1 Gearbox options

AL, AR

On request the gear unit can be provided complete with a backstop device allowing the output shaft to rotate only in the direction specified at the time of ordering.
The following table shows the gearboxes in which the anti-run back device can be installed.

(D 45)

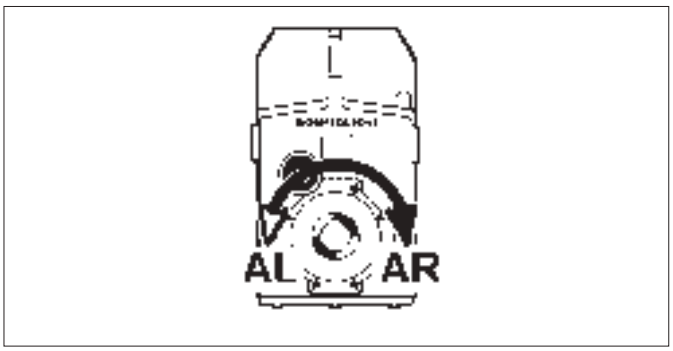
F 31 2*	**F 41 2** ⛀ (6.7; 10.8)					
F 31 3*	**F 41 3**	**F 51 3**	**F 60 3**	**F 70 3**	**F 80 3**	**F 90 3**
		F 51 4	**F 60 4**	**F 70 4**	**F 80 4**	**F 90 4**

* The supply of the backstop will ban the configuration of servomotor adapters type S_60A, S_ 60B, S_80A.

When ordering the gear unit, the direction of free rotation must be specified through either the AR or the AL option (Table D46).

⚠ N.B. When the anti-run back device operates very frequently make sure that the torque backdriving the gearbox does not exceed 70% of the rated torque M_{n2} for the captioned gear unit.

(D 46)



SO

Gear units F 10 through F 41 usually factory filled with oil, to be supplied unlubricated.

LO

Gearboxes F 51 through F 90, usually supplied without oil, to be supplied with synthetic oil currently used by BONFIGLIOLI RIDUTTORI and filled according to the mounting position specified.

DV

Dual oil seals on input shaft. (Only available for integral gearmotors).

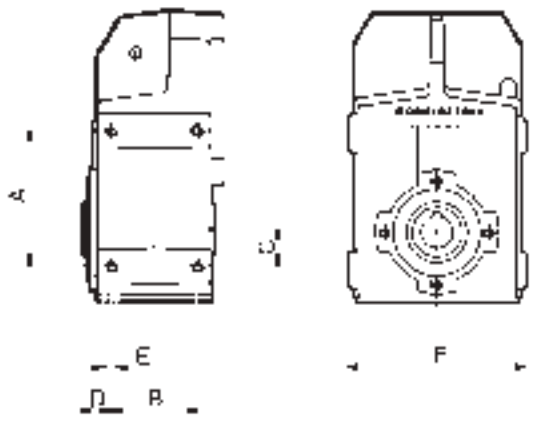
VV

Oil seal in Fluoro elastomer compound on input shaft.

PV
Both input and output shafts feature oil seal in Fluoro elastomer compound.

FL
Gear units F 10...F 41 can be side machined and tapped by specifying the FL option.
Mounting dimensions relevant to the FL option are given in the following chart. Gear units type F 51 through F 90 are side machined and tapped as standard.

(D 47)



	A	B	C	D	E	F
F 10	115	60	35	21.25	M8x16	163
F 20	130	70	40	26.5	M10x20	181
F 25	130	70	40	27.5	M10x20	181
F 31	147	80	45	30	M12x20	203
F 41	190	95	60	32.5	M12x22	235

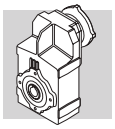
SURFACE PROTECTION

When no specific protection class is requested, the painted (ferrous) surfaces of gearboxes are protected to at least corrosivity class C2 (UNI EN ISO 12944-2). For improved resistance to atmospheric corrosion, gearboxes can be delivered with **C3** and **C4** surface protection, obtained by painting the complete gearbox.

(D 48)

SURFACE PROTECTION	Typical environments	Maximum surface temperature	Corrosivity class according to UNI EN ISO 12944-2
C3	Urban and industrial environments with up to 100% relative humidity (medium air pollution)	120°C	C3
C4	Industrial areas, coastal areas, chemical plant, with up to 100% relative humidity (high air pollution)	120°C	C4

Gearboxes with optional protection to class **C3** or **C4** are available in a choice of colours.
If no specific colour is requested (see the “PAINTING” option) gearboxes are finished in RAL 7042.
Gearboxes can also be supplied with surface protection for corrosivity class **C5** according to UNI EN ISO 12944-2. Contact our Technical Service for further details.



PAINTING

Gearboxes with optional protection to class C3 or C4 are available in the colours listed in the following table.

(D 49)

PAINTING	Colour	RAL number
RAL7042*	Traffic Grey A	7042
RAL5010	Gentian Blue	5010
RAL9005	Jet Black	9005
RAL9006	White Aluminium	9006
RAL9010	Pure White	9010

* Gearboxes are supplied in this standard colour if no other colour is specified.

NOTE – “PAINTING” options can only be specified in conjunction with “SURFACE PROTECTION” options.

CERTIFICATES

AC - Certificate of compliance
The document certifies the compliance of the product with the purchase order and the construction in conformity with the applicable procedures of the Bonfiglioli Quality System.

CC - Inspection certificate
The document entails checking on order compliance, the visual inspection of external conditions and of mating dimensions. Checking on main functional parameters in unloaded conditions is also performed along with oil seal proofing, both in static and in running conditions. Units inspected are sampled within the shipping batch and marked individually.

55.2 Accessories

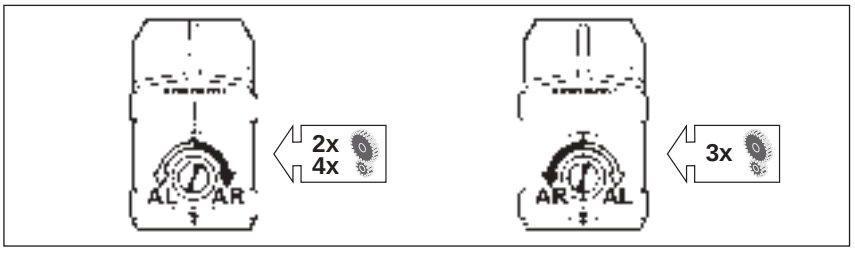
See chapter 65 of this catalogue.

55.3 Motor options

AL, AR

A backstop device on the motor itself, as described in the electric motors section of this catalogue, is available for gearmotors with integral M, ME or MX Series motors. The following table shows the direction of free rotation of the gearbox, on the basis of which the correct option must be selected.

(D 50)



For further information on options, consult the electric motors section.

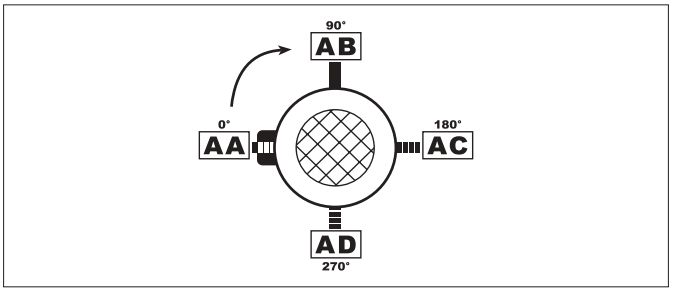
56 MOUNTING POSITION AND TERMINAL BOX ANGULAR LOCATION

Location of motor terminal box can be specified by viewing the motor from the fan side; standard location is shown in black (W).

Angular location of the brake release lever.

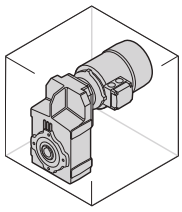
Unless otherwise specified, brake motors have the manual device side located, 90° apart from terminal box. Different angles can be specified through the relevant options available.

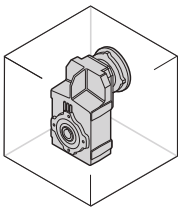
(D 51)

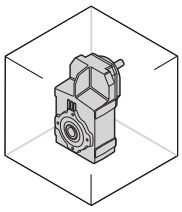


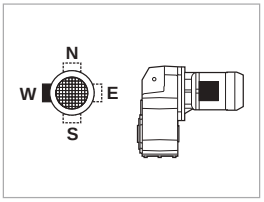
F ...

H1

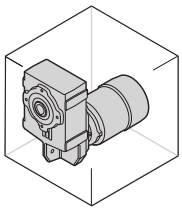

_S


_P(IEC) _SK / _SC


_HS



H2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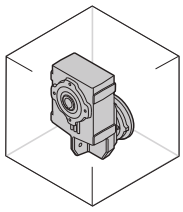
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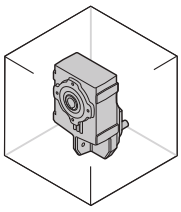
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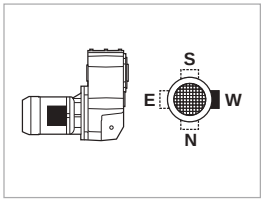
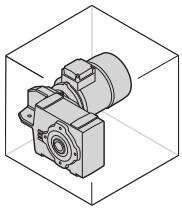
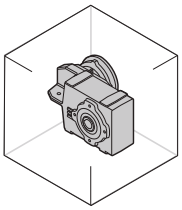


H3


_S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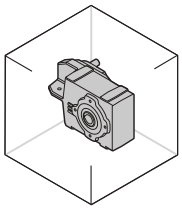
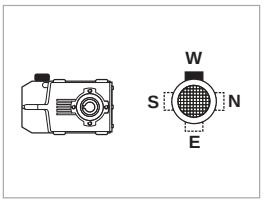
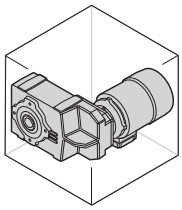
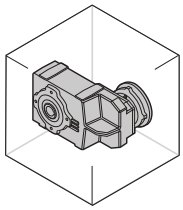

_HS



H4


_S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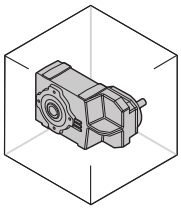
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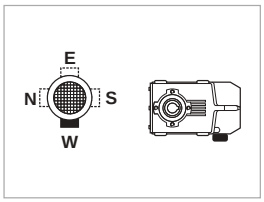
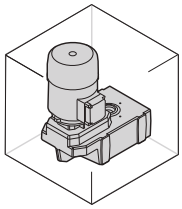


H5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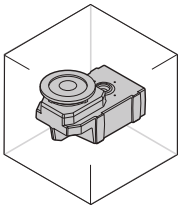
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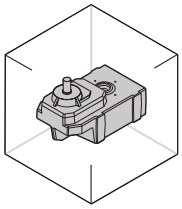
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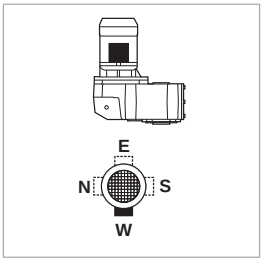
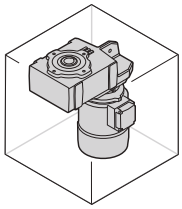
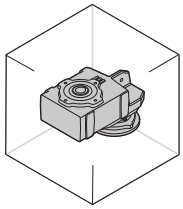


H6


_S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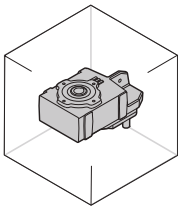
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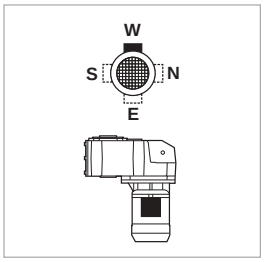


W = Default

57 OVERHUNG LOADS

External transmissions keyed onto input and/or output shaft generate loads that act radially onto same shaft.
Resulting shaft loading must be compatible with both the bearing and the shaft capacity. Namely shaft loading (R_{c1} for input shaft, R_{c2} for output shaft), must be equal or lower than admissible overhung load capacity for shaft under study (R_{n1} for input shaft, R_{n2} for output shaft). OHL capability listed in the rating chart section.
In the formulas given below, index (1) applies to parameters relating to input shaft, whereas index (2) refers to output shaft.
The load generated by an external transmission can be calculated with close approximation by the following equations:

$$R_{c1}[N] = \frac{2000 \cdot M_1[Nm] \cdot K_r}{d\,[mm]} \quad ; \quad R_{c2}[N] = \frac{2000 \cdot M_2[Nm] \cdot K_r}{d\,[mm]} \qquad (35)$$

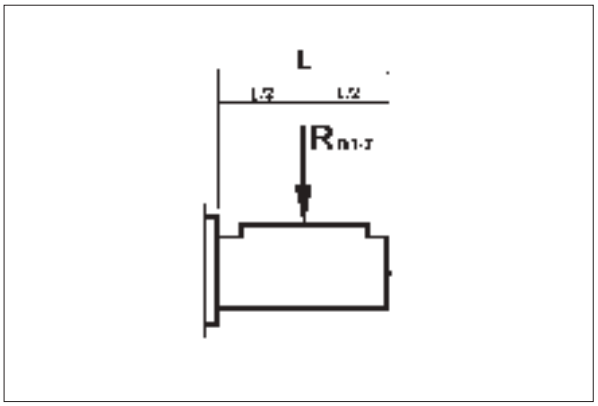
(D 52)

M_1 [Nm]	Torque applied to input shaft
M_2 [Nm]	Torque drawn at output shaft
d [mm]	Pitch diameter of element keyed onto shaft
K_r = 1	Chain transmission

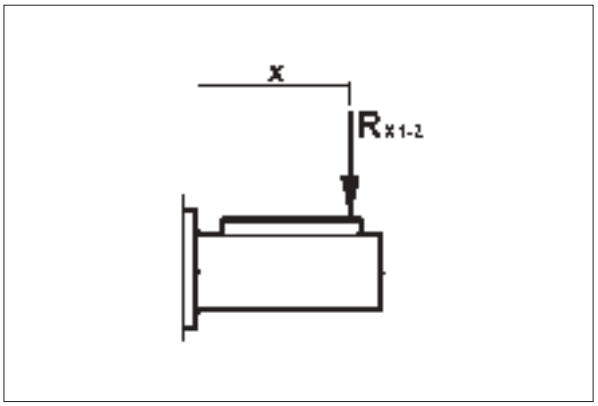
K_r = 1,25	Gear transmission
K_r = 1,5	V-belt transmission
K_r = 2,0	Flat belt transmission

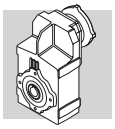
Verification of OHL capability varies depending on whether load applies at midpoint of shaft or it is shifted further out:

(D 53)



(D 54)





a) Load applied at midpoint of shaft, tab. (D53)

A comparison of shaft loading with catalogue OHL ratings should verify the following condition:

$Rc1 \leq Rn1$ [input shaft]

or

$Rc2 \leq Rn2$ [output shaft]

b) Load off the midpoint tab. (D54)

When load is shifted at an “x” distance from shaft shoulder, permissible load must be calculated for that distance.
Revised permissible overhung loads Rx1 (input) and Rx2 (output) are calculated respectively from original rated values Rn1 and Rn2 through factor:

$$\frac{a}{b+x} \qquad (36)$$

(D 55)

	Load location factors					
	Output shaft			Input shaft		
	a	**b**	**c**	**a**	**b**	**c**
F 10 2	123	100.5	450	21	1	300
F 20 2	145	115	600	40	20	350
F 20 3	145	115	600	21	1	300
F 25 2 - F 25 3	157.5	127.5	800	40	20	350
F 25 4	157.5	127.5	800	21	1	300
F 31 2 - F 31 3	165	135	850	38.5	18.5	350
F 31 4	165	135	850	21	1	300
F 41 2 - F 41 3	191.5	151.5	1000	49.5	24.5	450
F 41 4	191.5	151.5	1000	40	20	350
F 51 2 - F 51 3	233.5	183.5	1300	49.5	24.5	450
F 51 4	233.5	183.5	1300	38.5	18.5	350
F 60 3	258.5	198.5	1100	55.5	25.5	600
F 60 4	258.5	198.5	1100	49.5	24.5	450
F 70 3	342	277	1600	86	31	1000
F 70 4	342	277	1600	49.5	24.5	450
F 80 3	386.5	301.5	1800	86	31	1000
F 80 4	386.5	301.5	1800	49.5	24.5	450
F 90 3	458.5	353.5	2400	116	46	1400
F 90 4	458.5	353.5	2400	49.5	24.5	450

Verification procedure is described here after.

INPUT SHAFT

1. Calculate:

$$R_{x1} = R_{n1} \cdot \frac{a}{b + x} \quad (37)$$

N.B. Subject to condition:

$$\frac{L}{2} \leq x \leq c \quad (38)$$

Finally, the following condition must be verified:

$$R_{c1} \leq R_{x1} \quad (39)$$

OUTPUT SHAFT

1. Calculate:

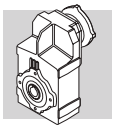
$$R_{x2} = R_{n2} \cdot \frac{a}{b + x} \quad (40)$$

N.B. Subject to condition:

$$\frac{L}{2} \leq x \leq c \quad (41)$$

Finally, the following condition must be verified:

$$R_{c2} \leq R_{x2} \quad (42)$$

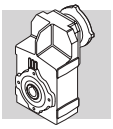


58 THRUST LOADS, A_{n1}, A_{n2}

Permissible thrust loads on input [A_{n1}] and output [A_{n2}] shafts are obtained from the radial loading for the shaft under consideration [R_{n1}] and [R_{n2}] through the following equation:

$$A_{n1} = R_{n1} \cdot 0.2$$
$$A_{n2} = R_{n2} \cdot 0.2 \qquad (43)$$

The thrust loads calculated through these formulas apply to thrust forces occurring at the same time as rated radial loads.
In the only case that no overhung load acts on the shaft the value of the admissible thrust load [A_n] amounts to 50% of rated OHL [R_n] on same shaft.
Where thrust loads exceed permissible value or largely prevail over radial loads, contact Bonfiglioli Riduttori for an in-depth analysis of the application.



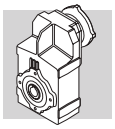
59 GEARMOTOR RATING CHARTS

The selection of motors without brake takes into account the requirements of Regulation EC 640/2009 (see section **M** of this catalogue). When the motor rated power is below 0.75kW, BN/M motors can be provided.

Considering that the Regulation EC 640/2009 shall not apply to the motors equipped with brake, the brakemotor selection takes into account BN/M motors only, without taking into account the rated power BX, BE, MX and ME brakemotors are available on request.

0.09 kW

n_2 min^{-1}	M_2 Nm	S	i	R_{n2} N	IE1		IE1	
0.40	1945	2.6	2188	35000			**F704_2188 P63 BN63A6**	435
0.50	1526	3.4	1717	35000			**F704_1717 P63 BN63A6**	435
0.62	1254	0.9	1411	8500	**F414_1411 S05 M05A6**	422	**F414_1411 P63 BN63A6**	423
0.73	1079	1.0	1213	8500	**F414_1213 S05 M05A6**	422	**F414_1213 P63 BN63A6**	423
0.81	971	1.1	1092	8500	**F414_1092 S05 M05A6**	422	**F414_1092 P63 BN63A6**	423
0.90	874	1.3	982.4	8500	**F414_982.4 S05 M05A6**	422	**F414_982.4 P63 BN63A6**	423
0.98	801	1.4	900.5	8500	**F414_900.5 S05 M05A6**	422	**F414_900.5 P63 BN63A6**	423
1.1	724	1.5	813.8	8500	**F414_813.8 S05 M05A6**	422	**F414_813.8 P63 BN63A6**	423
1.2	678	0.9	762.3	6500	**F314_762.3 S05 M05A6**	418	**F314_762.3 P63 BN63A6**	419
1.2	658	1.7	739.4	8500	**F414_739.4 S05 M05A6**	422	**F414_739.4 P63 BN63A6**	423
1.3	610	1.0	685.6	6500	**F314_685.6 S05 M05A6**	418	**F314_685.6 P63 BN63A6**	419
1.3	614	1.8	690.1	8500	**F414_690.1 S05 M05A6**	422	**F414_690.1 P63 BN63A6**	423
1.4	551	1.1	619.9	6500	**F314_619.9 S05 M05A6**	418	**F314_619.9 P63 BN63A6**	419
1.5	515	1.2	578.6	6500	**F314_578.6 S05 M05A6**	418	**F314_578.6 P63 BN63A6**	419
1.6	489	2.2	549.8	8500	**F414_549.8 S05 M05A6**	422	**F414_549.8 P63 BN63A6**	423
1.7	469	0.9	527.3	6500	**F254_527.3 S05 M05A6**	414	**F254_527.3 P63 BN63A6**	415
1.7	469	1.3	527.8	6500	**F314_527.8 S05 M05A6**	418	**F314_527.8 P63 BN63A6**	419
1.9	414	1.0	466.0	6500	**F254_466.0 S05 M05A6**	414	**F254_466.0 P63 BN63A6**	415
1.9	411	1.5	462.6	6500	**F314_462.6 S05 M05A6**	418	**F314_462.6 P63 BN63A6**	419
2.0	387	1.0	434.9	6500	**F254_434.9 S05 M05A6**	414	**F254_434.9 P63 BN63A6**	415
2.0	386	2.9	433.7	8500	**F414_433.7 S05 M05A6**	422	**F414_433.7 P63 BN63A6**	423
2.1	372	1.6	418.9	6500	**F314_418.9 S05 M05A6**	418	**F314_418.9 P63 BN63A6**	419
2.2	350	1.1	393.9	6500	**F254_393.9 S05 M05A6**	414	**F254_393.9 P63 BN63A6**	415
2.4	340	1.8	374.4	6500			**F313_374.4 P63 BN63A6**	419
2.6	302	2.0	332.8	6500			**F313_332.8 P63 BN63A6**	419
2.6	313	3.5	344.8	8500			**F413_344.8 P63 BN63A6**	423
2.8	288	0.9	316.9	4000	**F203_316.9 S05 M05A6**	410	**F203_316.9 P63 BN63A6**	411
3.0	267	2.2	293.8	6500			**F313_293.8 P63 BN63A6**	419
3.1	259	1.0	285.2	4000	**F203_285.2 S05 M05A6**	410	**F203_285.2 P63 BN63A6**	411
3.4	232	1.1	255.3	4000	**F203_255.3 S05 M05A6**	410	**F203_255.3 P63 BN63A6**	411
3.5	230	2.6	253.6	6500			**F313_253.6 P63 BN63A6**	419
3.9	207	2.9	228.2	6500			**F313_228.2 P63 BN63A6**	419
4.2	190	1.3	209.3	4000	**F203_209.3 S05 M05A6**	410	**F203_209.3 P63 BN63A6**	411
4.4	184	3.3	202.3	6500			**F313_202.3 P63 BN63A6**	419
4.8	168	1.5	184.9	4000	**F203_184.9 S05 M05A6**	410	**F203_184.9 P63 BN63A6**	411
5.1	157	1.6	172.6	4000	**F203_172.6 S05 M05A6**	410	**F203_172.6 P63 BN63A6**	411
5.6	142	1.8	156.3	4000	**F203_156.3 S05 M05A6**	410	**F203_156.3 P63 BN63A6**	411
6.7	123	2.0	132.2	4000	**F202_132.2 S05 M05A6**	410	**F202_132.2 P63 BN63A6**	411
6.9	118	1.2	127.1	2800	**F102_127.1 S05 M05A6**	406	**F102_127.1 P63 BN63A6**	407



0.09 kW

n_2 min^{-1}	M_2 Nm	S	i	R_{n2} N	IE1		IE1	
7.7	106	2.4	114.3	4000	**F202_114.3 S05 M05A6**	410	**F202_114.3 P63 BN63A6**	411
8.3	98	1.4	106.0	2800	**F102_106.0 S05 M05A6**	406	**F102_106.0 P63 BN63A6**	407
8.7	94	2.6	101.6	4000	**F202_101.6 S05 M05A6**	410	**F202_101.6 P63 BN63A6**	411
9.6	85	1.6	91.5	2800	**F102_91.5 S05 M05A6**	406	**F102_91.5 P63 BN63A6**	407
9.7	84	3.0	90.4	4000	**F202_90.4 S05 M05A6**	410	**F202_90.4 P63 BN63A6**	411
10.8	75	1.9	81.3	2800	**F102_81.3 S05 M05A6**	406	**F102_81.3 P63 BN63A6**	407
11.5	71	3.5	76.8	4000	**F202_76.8 S05 M05A6**	410	**F202_76.8 P63 BN63A6**	411
12.4	66	2.1	71.1	2800	**F102_71.1 S05 M05A6**	406	**F102_71.1 P63 BN63A6**	407
14.0	58	2.4	63.0	2800	**F102_63.0 S05 M05A6**	406	**F102_63.0 P63 BN63A6**	407
15.5	53	2.7	56.7	2800	**F102_56.7 S05 M05A6**	406	**F102_56.7 P63 BN63A6**	407
18.1	45	3.1	48.7	2800	**F102_48.7 S05 M05A6**	406	**F102_48.7 P63 BN63A6**	407
19.7	41	3.4	44.7	2800	**F102_44.7 S05 M05A6**	406	**F102_44.7 P63 BN63A6**	407
22.2	37	3.8	39.6	2800	**F102_39.6 S05 M05A6**	406	**F102_39.6 P63 BN63A6**	407
24.9	33	4.3	35.3	2800	**F102_35.3 S05 M05A6**	406	**F102_35.3 P63 BN63A6**	407
26.7	31	4.6	33.0	2800	**F102_33.0 S05 M05A6**	406	**F102_33.0 P63 BN63A6**	407
29.7	28	5.1	29.6	2800	**F102_29.6 S05 M05A6**	406	**F102_29.6 P63 BN63A6**	407
34	24	5.9	25.8	2800	**F102_25.8 S05 M05A6**	406	**F102_25.8 P63 BN63A6**	407
39	21	6.6	22.8	2800	**F102_22.8 S05 M05A6**	406	**F102_22.8 P63 BN63A6**	407
46	18	7.8	19.3	2800	**F102_19.3 S05 M05A6**	406	**F102_19.3 P63 BN63A6**	407
52	16	8.9	17.0	2800	**F102_17.0 S05 M05A6**	406	**F102_17.0 P63 BN63A6**	407
60	14	10.1	14.6	2700	**F102_14.6 S05 M05A6**	406	**F102_14.6 P63 BN63A6**	407
68	12	10.3	13.0	2600	**F102_13.0 S05 M05A6**	406	**F102_13.0 P63 BN63A6**	407
76	11	10.3	11.5	2500	**F102_11.5 S05 M05A6**	406	**F102_11.5 P63 BN63A6**	407
90	9	11.8	9.8	2370	**F102_9.8 S05 M05A6**	406	**F102_9.8 P63 BN63A6**	407
103	8	11.8	8.6	2270	**F102_8.6 S05 M05A6**	406	**F102_8.6 P63 BN63A6**	407
119	7	13.2	7.4	2160	**F102_7.4 S05 M05A6**	406	**F102_7.4 P63 BN63A6**	407

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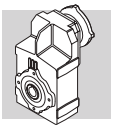
n_2 min^{-1}	M_2 Nm	S	i	R_{n2} N	IE1		IE1	
0.40	2623	1.9	2188	35000			**F704_2188 P63 BN63B6**	435
0.51	2058	2.5	1717	35000			**F704_1717 P63 BN63B6**	435
0.60	1742	2.9	2188	35000			**F704_2188 P63 BN63A4**	435
0.65	1607	3.1	2019	35000			**F704_2019 P63 BN63A4**	435
0.76	1368	2.1	1141	20000			**F604_1141 P63 BN63B6**	431
0.89	1178	0.9	982.4	8500	**F414_982.4 S05 M05B6**	422	**F414_982.4 P63 BN63B6**	423
0.96	1090	1.0	1411	8500	**F414_1411 S05 M05A4**	422	**F414_1411 P63 BN63A4**	423
1.1	938	1.2	1213	8500	**F414_1213 S05 M05A4**	422	**F414_1213 P63 BN63A4**	423
1.2	844	1.3	1092	8500	**F414_1092 S05 M05A4**	422	**F414_1092 P63 BN63A4**	423
1.4	759	1.4	982.4	8500	**F414_982.4 S05 M05A4**	422	**F414_982.4 P63 BN63A4**	423
1.5	696	1.6	900.5	8500	**F414_900.5 S05 M05A4**	422	**F414_900.5 P63 BN63A4**	423
1.6	643	0.9	831.6	6500	**F314_831.6 S05 M05A4**	418	**F314_831.6 P63 BN63A4**	419
1.7	629	1.7	813.8	8500	**F414_813.8 S05 M05A4**	422	**F414_813.8 P63 BN63A4**	423
1.8	589	1.0	762.3	6500	**F314_762.3 S05 M05A4**	418	**F314_762.3 P63 BN63A4**	419
1.8	571	1.9	739.4	8500	**F414_739.4 S05 M05A4**	422	**F414_739.4 P63 BN63A4**	423
2.0	530	1.1	685.6	6500	**F314_685.6 S05 M05A4**	418	**F314_685.6 P63 BN63A4**	419
2.0	533	2.1	690.1	8500	**F414_690.1 S05 M05A4**	422	**F414_690.1 P63 BN63A4**	423
2.2	479	1.3	619.9	6500	**F314_619.9 S05 M05A4**	418	**F314_619.9 P63 BN63A4**	419
2.3	456	0.9	589.7	6500	**F254_589.7 S05 M05A4**	414	**F254_589.7 P63 BN63A4**	415
2.3	447	1.3	578.6	6500	**F314_578.6 S05 M05A4**	418	**F314_578.6 P63 BN63A4**	419
2.5	425	2.6	549.8	8500	**F414_549.8 S05 M05A4**	422	**F414_549.8 P63 BN63A4**	423
2.6	408	1.0	527.3	6500	**F254_527.3 S05 M05A4**	414	**F254_527.3 P63 BN63A4**	415



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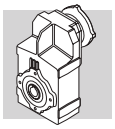
n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE1		IE1	
2.6	408	1.5	527.8	6500	**F314_527.8 S05 M05A4**	418	**F314_527.8 P63 BN63A4**	419
2.9	360	1.1	466.0	6500	**F254_466.0 S05 M05A4**	414	**F254_466.0 P63 BN63A4**	415
2.9	358	1.7	462.6	6500	**F314_462.6 S05 M05A4**	418	**F314_462.6 P63 BN63A4**	419
3.1	336	1.2	434.9	6500	**F254_434.9 S05 M05A4**	414	**F254_434.9 P63 BN63A4**	415
3.1	335	3.3	433.7	8500	**F414_433.7 S05 M05A4**	422	**F414_433.7 P63 BN63A4**	423
3.2	324	1.9	418.9	6500	**F314_418.9 S05 M05A4**	418	**F314_418.9 P63 BN63A4**	419
3.4	304	1.3	393.9	6500	**F254_393.9 S05 M05A4**	414	**F254_393.9 P63 BN63A4**	415
3.6	296	2.0	374.4	6500			**F313_374.4 P63 BN63A4**	419
4.1	263	1.5	333.1	6500	**F253_333.1 S05 M05A4**	414	**F253_333.1 P63 BN63A4**	415
4.1	263	2.3	332.8	6500			**F313_332.8 P63 BN63A4**	419
4.3	250	1.0	316.9	4000	**F203_316.9 S05 M05A4**	410	**F203_316.9 P63 BN63A4**	411
4.6	232	2.6	293.8	6500			**F313_293.8 P63 BN63A4**	419
4.7	225	1.1	285.2	4000	**F203_285.2 S05 M05A4**	410	**F203_285.2 P63 BN63A4**	411
4.7	228	1.8	288.1	6500	**F253_288.1 S05 M05A4**	414	**F253_288.1 P63 BN63A4**	415
5.3	202	1.2	255.3	4000	**F203_255.3 S05 M05A4**	410	**F203_255.3 P63 BN63A4**	411
5.3	202	2.0	256.1	6500	**F253_256.1 S05 M05A4**	414	**F253_256.1 P63 BN63A4**	415
5.3	200	3.0	253.6	6500			**F313_253.6 P63 BN63A4**	419
5.9	180	2.2	227.8	6500	**F253_227.8 S05 M05A4**	414	**F253_227.8 P63 BN63A4**	415
5.9	180	3.3	228.2	6500			**F313_228.2 P63 BN63A4**	419
6.5	165	1.5	209.3	4000	**F203_209.3 S05 M05A4**	410	**F203_209.3 P63 BN63A4**	411
7.0	153	2.6	193.6	6500	**F253_193.6 S05 M05A4**	414	**F253_193.6 P63 BN63A4**	415
7.3	146	1.7	184.9	4000	**F203_184.9 S05 M05A4**	410	**F203_184.9 P63 BN63A4**	411
7.7	138	2.9	174.2	6500	**F253_174.2 S05 M05A4**	414	**F253_174.2 P63 BN63A4**	415
7.8	136	1.8	172.6	4000	**F203_172.6 S05 M05A4**	410	**F203_172.6 P63 BN63A4**	411
8.6	123	2.0	156.3	4000	**F203_156.3 S05 M05A4**	410	**F203_156.3 P63 BN63A4**	411
8.7	123	3.2	155.9	6500	**F253_155.9 S05 M05A4**	414	**F253_155.9 P63 BN63A4**	415
9.4	113	3.5	143.0	6500	**F253_143.0 S05 M05A4**	414	**F253_143.0 P63 BN63A4**	415
10.2	107	2.3	132.2	4000	**F202_132.2 S05 M05A4**	410	**F202_132.2 P63 BN63A4**	411
10.6	103	1.4	127.1	2800	**F102_127.1 S05 M05A4**	406	**F102_127.1 P63 BN63A4**	407
11.8	92	2.7	114.3	4000	**F202_114.3 S05 M05A4**	410	**F202_114.3 P63 BN63A4**	411
12.7	86	1.6	106.0	2800	**F102_106.0 S05 M05A4**	406	**F102_106.0 P63 BN63A4**	407
13.3	82	3.0	101.6	4000	**F202_101.6 S05 M05A4**	410	**F202_101.6 P63 BN63A4**	411
14.8	74	1.9	91.5	2800	**F102_91.5 S05 M05A4**	406	**F102_91.5 P63 BN63A4**	407
14.9	73	3.4	90.4	4000	**F202_90.4 S05 M05A4**	410	**F202_90.4 P63 BN63A4**	411
16.6	66	2.1	81.3	2800	**F102_81.3 S05 M05A4**	406	**F102_81.3 P63 BN63A4**	407
19.0	57	2.4	71.1	2800	**F102_71.1 S05 M05A4**	406	**F102_71.1 P63 BN63A4**	407
21.4	51	2.8	63.0	2800	**F102_63.0 S05 M05A4**	406	**F102_63.0 P63 BN63A4**	407
23.8	46	3.1	56.7	2800	**F102_56.7 S05 M05A4**	406	**F102_56.7 P63 BN63A4**	407
27.7	39	3.6	48.7	2800	**F102_48.7 S05 M05A4**	406	**F102_48.7 P63 BN63A4**	407
30	36	3.9	44.7	2800	**F102_44.7 S05 M05A4**	406	**F102_44.7 P63 BN63A4**	407
34	32	4.4	39.6	2800	**F102_39.6 S05 M05A4**	406	**F102_39.6 P63 BN63A4**	407
38	29	4.9	35.3	2800	**F102_35.3 S05 M05A4**	406	**F102_35.3 P63 BN63A4**	407
41	27	5.3	33.0	2800	**F102_33.0 S05 M05A4**	406	**F102_33.0 P63 BN63A4**	407
46	24	5.9	29.6	2800	**F102_29.6 S05 M05A4**	406	**F102_29.6 P63 BN63A4**	407
52	21	6.7	25.8	2800	**F102_25.8 S05 M05A4**	406	**F102_25.8 P63 BN63A4**	407
59	18	7.6	22.8	2700	**F102_22.8 S05 M05A4**	406	**F102_22.8 P63 BN63A4**	407
70	16	8.7	19.3	2560	**F102_19.3 S05 M05A4**	406	**F102_19.3 P63 BN63A4**	407
80	14	9.3	17.0	2450	**F102_17.0 S05 M05A4**	406	**F102_17.0 P63 BN63A4**	407
92	12	10.1	14.6	2340	**F102_14.6 S05 M05A4**	406	**F102_14.6 P63 BN63A4**	407
104	11	9.9	13.0	2250	**F102_13.0 S05 M05A4**	406	**F102_13.0 P63 BN63A4**	407
117	9	10.3	11.5	2160	**F102_11.5 S05 M05A4**	406	**F102_11.5 P63 BN63A4**	407
138	8	11.3	9.8	2050	**F102_9.8 S05 M05A4**	406	**F102_9.8 P63 BN63A4**	407
157	7	11.8	8.6	1970	**F102_8.6 S05 M05A4**	406	**F102_8.6 P63 BN63A4**	407
182	6	12.7	7.4	1870	**F102_7.4 S05 M05A4**	406	**F102_7.4 P63 BN63A4**	407



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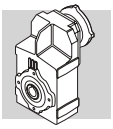
n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE1		IE1	
0.41	3804	1.3	2188	35000	**F704_2188 S1 M1SC6**	434	**F704_2188 P71 BN71A6**	435
0.45	3511	1.4	2019	35000	**F704_2019 S1 M1SC6**	434	**F704_2019 P71 BN71A6**	435
0.45	3455	2.3	1987	45000	**F804_1987 S1 M1SC6**	437	**F804_1987 P71 BN71A6**	438
0.49	3189	2.5	1834	45000	**F804_1834 S1 M1SC6**	437	**F804_1834 P71 BN71A6**	438
0.52	2985	1.7	1717	35000	**F704_1717 S1 M1SC6**	434	**F704_1717 P71 BN71A6**	435
0.53	2972	2.7	1709	45000	**F804_1709 S1 M1SC6**	437	**F804_1709 P71 BN71A6**	438
0.57	2756	1.8	1585	35000	**F704_1585 S1 M1SC6**	434	**F704_1585 P71 BN71A6**	435
0.57	2744	2.9	1578	45000	**F804_1578 S1 M1SC6**	437	**F804_1578 P71 BN71A6**	438
0.61	2576	1.9	1481	35000	**F704_1481 S1 M1SC6**	434	**F704_1481 P71 BN71A6**	435
0.65	2406	3.3	1384	45000	**F804_1384 S1 M1SC6**	437	**F804_1384 P71 BN71A6**	438
0.66	2378	2.1	1368	35000	**F704_1368 S1 M1SC6**	434	**F704_1368 P71 BN71A6**	435
0.76	2055	2.4	1182	35000	**F704_1182 S1 M1SC6**	434	**F704_1182 P71 BN71A6**	435
0.77	2030	0.9	1168	12000	**F514_1168 S1 M1SC6**	426	**F514_1168 P71 BN71A6**	427
0.79	1985	1.5	1141	20000	**F604_1141 S1 M1SC6**	430	**F604_1141 P71 BN71A6**	431
0.83	1897	2.6	1091	35000	**F704_1091 S1 M1SC6**	434	**F704_1091 P71 BN71A6**	435
0.84	1861	1.0	1070	12000	**F514_1070 S1 M1SC6**	426	**F514_1070 P71 BN71A6**	427
0.85	1832	1.6	1054	20000	**F604_1054 S1 M1SC6**	430	**F604_1054 P71 BN71A6**	431
0.92	1703	1.1	979.4	12000	**F514_979.4 S1 M1SC6**	426	**F514_979.4 P71 BN71A6**	427
0.92	1694	3.0	974.4	35000	**F704_974.4 S1 M1SC6**	434	**F704_974.4 P71 BN71A6**	435
0.94	1667	1.7	958.9	20000	**F604_958.9 S1 M1SC6**	430	**F604_958.9 P71 BN71A6**	431
1.0	1540	1.2	885.5	12000	**F514_885.5 S1 M1SC6**	426	**F514_885.5 P71 BN71A6**	427
1.0	1539	1.9	885.1	20000	**F604_885.1 S1 M1SC6**	430	**F604_885.1 P71 BN71A6**	431
1.0	1564	3.2	899.4	35000	**F704_899.4 S1 M1SC6**	434	**F704_899.4 P71 BN71A6**	435
1.1	1437	1.3	826.4	12000	**F514_826.4 S1 M1SC6**	426	**F514_826.4 P71 BN71A6**	427
1.1	1430	3.5	822.2	35000	**F704_822.2 S1 M1SC6**	434	**F704_822.2 P71 BN71A6**	435
1.2	1286	0.9	739.4	8500	**F414_739.4 S1 M1SC6**	422	**F414_739.4 P71 BN71A6**	423
1.2	1286	0.9	739.4	8500	**F414_739.4 S1 M1SC6**	422	**F414_739.4 P71 BN71A6**	423
1.3	1200	0.9	690.1	8500	**F414_690.1 S1 M1SC6**	422	**F414_690.1 P71 BN71A6**	423
1.3	1200	0.9	690.1	8500	**F414_690.1 S1 M1SC6**	422	**F414_690.1 P71 BN71A6**	423
1.3	1165	0.9	982.4	8500	**F414_982.4 S05 M05B4**	422	**F414_982.4 P63 BN63B4**	423
1.5	1068	1.0	900.5	8500	**F414_900.5 S05 M05B4**	422	**F414_900.5 P63 BN63B4**	423
1.6	965	1.1	813.8	8500	**F414_813.8 S05 M05B4**	422	**F414_813.8 P63 BN63B4**	423
1.8	877	1.3	739.4	8500	**F414_739.4 S05 M05B4**	422	**F414_739.4 P63 BN63B4**	423
1.9	818	1.3	690.1	8500	**F414_690.1 S05 M05B4**	422	**F414_690.1 P63 BN63B4**	423
2.3	686	0.9	578.6	6500	**F314_578.6 S05 M05B4**	418	**F314_578.6 P63 BN63B4**	419
2.4	652	1.7	549.8	8500	**F414_549.8 S05 M05B4**	422	**F414_549.8 P63 BN63B4**	423
2.5	626	1.0	527.8	6500	**F314_527.8 S05 M05B4**	418	**F314_527.8 P63 BN63B4**	419
2.9	549	1.1	462.6	6500	**F314_462.6 S05 M05B4**	418	**F314_462.6 P63 BN63B4**	419
3.0	514	2.1	433.7	8500	**F414_433.7 S05 M05B4**	422	**F414_433.7 P63 BN63B4**	423
3.2	497	1.2	418.9	6500	**F314_418.9 S05 M05B4**	418	**F314_418.9 P63 BN63B4**	419
3.4	467	0.9	393.9	6500	**F254_393.9 S05 M05B4**	414	**F254_393.9 P63 BN63B4**	415
3.5	454	1.3	374.4	6500			**F313_374.4 P63 BN63B4**	419
3.8	418	2.6	344.8	8500			**F413_344.8 P63 BN63B4**	423
4.0	404	1.0	333.1	6500	**F253_333.1 S05 M05B4**	414	**F253_333.1 P63 BN63B4**	415
4.0	403	1.5	332.8	6500			**F313_332.8 P63 BN63B4**	419
4.5	356	1.7	293.8	6500			**F313_293.8 P63 BN63B4**	419
4.5	359	3.1	296.6	8500			**F413_296.6 P63 BN63B4**	423
4.6	349	1.1	288.1	6500	**F253_288.1 S05 M05B4**	414	**F253_288.1 P63 BN63B4**	415
4.9	323	3.4	266.9	8500			**F413_266.9 P63 BN63B4**	423
5.2	310	1.3	256.1	6500	**F253_256.1 S05 M05B4**	414	**F253_256.1 P63 BN63B4**	415
5.2	307	2.0	253.6	6500			**F313_253.6 P63 BN63B4**	419
5.8	276	1.4	227.8	6500	**F253_227.8 S05 M05B4**	414	**F253_227.8 P63 BN63B4**	415
5.8	277	2.2	228.2	6500			**F313_228.2 P63 BN63B4**	419
6.3	254	1.0	209.3	4000	**F203_209.3 S05 M05B4**	410	**F203_209.3 P63 BN63B4**	411
6.5	245	2.4	202.3	6500			**F313_202.3 P63 BN63B4**	419
6.8	235	1.7	193.6	6500	**F253_193.6 S05 M05B4**	414	**F253_193.6 P63 BN63B4**	415
7.1	224	1.1	184.9	4000	**F203_184.9 S05 M05B4**	410	**F203_184.9 P63 BN63B4**	411
7.1	225	2.7	185.4	6500			**F313_185.4 P63 BN63B4**	419
7.6	209	1.2	172.6	4000	**F203_172.6 S05 M05B4**	410	**F203_172.6 P63 BN63B4**	411
7.6	211	1.9	174.2	6500	**F253_174.2 S05 M05B4**	414	**F253_174.2 P63 BN63B4**	415
7.9	202	3.0	166.8	6500			**F313_166.8 P63 BN63B4**	419
8.4	189	1.3	156.3	4000	**F203_156.3 S05 M05B4**	410	**F203_156.3 P63 BN63B4**	411
8.5	189	2.1	155.9	6500	**F253_155.9 S05 M05B4**	414	**F253_155.9 P63 BN63B4**	415
8.8	183	3.3	150.8	6500			**F313_150.8 P63 BN63B4**	419
9.2	173	2.3	143.0	6500	**F253_143.0 S05 M05B4**	414	**F253_143.0 P63 BN63B4**	415



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n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE1		IE1	
9.4	171	3.5	140.7	6500			**F313_140.7 P63 BN63B4**	419
10.0	164	1.5	132.2	4000	**F202_132.2 S05 M05B4**	410	**F202_132.2 P63 BN63B4**	411
10.3	155	2.6	127.8	6500	**F253_127.8 S05 M05B4**	414	**F253_127.8 P63 BN63B4**	415
10.4	157	0.9	127.1	2800	**F102_127.1 S05 M05B4**	406	**F102_127.1 P63 BN63B4**	407
11.5	142	1.8	114.3	4000	**F202_114.3 S05 M05B4**	410	**F202_114.3 P63 BN63B4**	411
11.7	137	2.9	113.0	6500	**F253_113.0 S05 M05B4**	414	**F253_113.0 P63 BN63B4**	415
12.5	131	1.1	106.0	2800	**F102_106.0 S05 M05B4**	406	**F102_106.0 P63 BN63B4**	407
12.5	128	3.1	105.4	6500	**F253_105.4 S05 M05B4**	414	**F253_105.4 P63 BN63B4**	415
13.0	126	2.0	101.6	4000	**F202_101.6 S05 M05B4**	410	**F202_101.6 P63 BN63B4**	411
13.8	116	3.5	95.5	6500	**F253_95.5 S05 M05B4**	414	**F253_95.5 P63 BN63B4**	415
14.4	113	1.2	91.5	2800	**F102_91.5 S05 M05B4**	406	**F102_91.5 P63 BN63B4**	407
14.6	112	2.2	90.4	4000	**F202_90.4 S05 M05B4**	410	**F202_90.4 P63 BN63B4**	411
16.2	101	1.4	81.3	2800	**F102_81.3 S05 M05B4**	406	**F102_81.3 P63 BN63B4**	407
17.2	95	2.6	76.8	4000	**F202_76.8 S05 M05B4**	410	**F202_76.8 P63 BN63B4**	411
18.6	88	1.6	71.1	2800	**F102_71.1 S05 M05B4**	406	**F102_71.1 P63 BN63B4**	407
19.1	86	2.9	69.1	4000	**F202_69.1 S05 M05B4**	410	**F202_69.1 P63 BN63B4**	411
21.0	78	1.8	63.0	2800	**F102_63.0 S05 M05B4**	406	**F102_63.0 P63 BN63B4**	407
21.3	77	3.3	61.9	4000	**F202_61.9 S05 M05B4**	410	**F202_61.9 P63 BN63B4**	411
23.3	70	2.0	56.7	2800	**F102_56.7 S05 M05B4**	406	**F102_56.7 P63 BN63B4**	407
27.1	60	2.3	48.7	2800	**F102_48.7 S05 M05B4**	406	**F102_48.7 P63 BN63B4**	407
29.6	55	2.5	44.7	2800	**F102_44.7 S05 M05B4**	406	**F102_44.7 P63 BN63B4**	407
33	49	2.9	39.6	2800	**F102_39.6 S05 M05B4**	406	**F102_39.6 P63 BN63B4**	407
37	44	3.2	35.3	2800	**F102_35.3 S05 M05B4**	406	**F102_35.3 P63 BN63B4**	407
40	41	3.4	33.0	2800	**F102_33.0 S05 M05B4**	406	**F102_33.0 P63 BN63B4**	407
45	37	3.8	29.6	2800	**F102_29.6 S05 M05B4**	406	**F102_29.6 P63 BN63B4**	407
51	32	4.4	25.8	2780	**F102_25.8 S05 M05B4**	406	**F102_25.8 P63 BN63B4**	407
58	28	5.0	22.8	2680	**F102_22.8 S05 M05B4**	406	**F102_22.8 P63 BN63B4**	407
68	24	5.7	19.3	2540	**F102_19.3 S05 M05B4**	406	**F102_19.3 P63 BN63B4**	407
78	21	6.1	17.0	2440	**F102_17.0 S05 M05B4**	406	**F102_17.0 P63 BN63B4**	407
90	18	6.6	14.6	2330	**F102_14.6 S05 M05B4**	406	**F102_14.6 P63 BN63B4**	407
101	16	6.4	13.0	2240	**F102_13.0 S05 M05B4**	406	**F102_13.0 P63 BN63B4**	407
114	14	6.7	11.5	2150	**F102_11.5 S05 M05B4**	406	**F102_11.5 P63 BN63B4**	407
135	12	7.4	9.8	2040	**F102_9.8 S05 M05B4**	406	**F102_9.8 P63 BN63B4**	407
154	11	7.7	8.6	1960	**F102_8.6 S05 M05B4**	406	**F102_8.6 P63 BN63B4**	407
178	9	8.3	7.4	1870	**F102_7.4 S05 M05B4**	406	**F102_7.4 P63 BN63B4**	407
186	9	10.7	14.6	1860	**F102_14.6 S05 M05A2**	406	**F102_14.6 P63 BN63A2**	407
210	8	10.9	13.0	1790	**F102_13.0 S05 M05A2**	406	**F102_13.0 P63 BN63A2**	407
237	7	11.3	11.5	1720	**F102_11.5 S05 M05A2**	406	**F102_11.5 P63 BN63A2**	407
279	6	12.5	9.8	1630	**F102_9.8 S05 M05A2**	406	**F102_9.8 P63 BN63A2**	407
318	5	13.0	8.6	1560	**F102_8.6 S05 M05A2**	406	**F102_8.6 P63 BN63A2**	407
369	4	14.2	7.4	1490	**F102_7.4 S05 M05A2**	406	**F102_7.4 P63 BN63A2**	407

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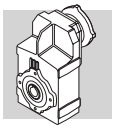
n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE1		IE1	
0.41	5283	0.9	2188	35000	**F704_2188 S1 M1SD6**	434	**F704_2188 P71 BN71B6**	435
0.45	4877	1.0	2019	35000	**F704_2019 S1 M1SD6**	434	**F704_2019 P71 BN71B6**	435
0.45	4799	1.7	1987	45000	**F804_1987 S1 M1SD6**	437	**F804_1987 P71 BN71B6**	438
0.49	4430	1.8	1834	45000	**F804_1834 S1 M1SD6**	437	**F804_1834 P71 BN71B6**	438
0.52	4146	1.2	1717	35000	**F704_1717 S1 M1SD6**	434	**F704_1717 P71 BN71B6**	435
0.53	4128	1.9	1709	45000	**F804_1709 S1 M1SD6**	437	**F804_1709 P71 BN71B6**	438
0.57	3827	1.3	1585	35000	**F704_1585 S1 M1SD6**	434	**F704_1585 P71 BN71B6**	435
0.57	3810	2.1	1578	45000	**F804_1578 S1 M1SD6**	437	**F804_1578 P71 BN71B6**	438
0.61	3578	1.4	1481	35000	**F704_1481 S1 M1SD6**	434	**F704_1481 P71 BN71B6**	435
0.65	3342	2.4	1384	45000	**F804_1384 S1 M1SD6**	437	**F804_1384 P71 BN71B6**	438
0.66	3303	1.5	1368	35000	**F704_1368 S1 M1SD6**	434	**F704_1368 P71 BN71B6**	435
0.70	3085	2.6	1277	45000	**F804_1277 S1 M1SD6**	437	**F804_1277 P71 BN71B6**	438
0.76	2854	1.8	1182	35000	**F704_1182 S1 M1SD6**	434	**F704_1182 P71 BN71B6**	435



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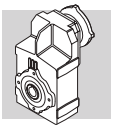
n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE1		IE1	
0.79	2757	1.1	1141	20000	**F604_1141 S1 M1SD6**	430	**F604_1141 P71 BN71B6**	431
0.79	2769	2.9	1146	45000	**F804_1146 S1 M1SD6**	437	**F804_1146 P71 BN71B6**	438
0.83	2635	1.9	1091	35000	**F704_1091 S1 M1SD6**	434	**F704_1091 P71 BN71B6**	435
0.85	2545	1.1	1054	20000	**F604_1054 S1 M1SD6**	430	**F604_1054 P71 BN71B6**	431
0.85	2556	3.1	1058	45000	**F804_1058 S1 M1SD6**	437	**F804_1058 P71 BN71B6**	438
0.92	2353	2.1	974.4	35000	**F704_974.4 S1 M1SD6**	434	**F704_974.4 P71 BN71B6**	435
0.94	2316	1.3	958.9	20000	**F604_958.9 S1 M1SD6**	430	**F604_958.9 P71 BN71B6**	431
1.0	2138	1.4	885.1	20000	**F604_885.1 S1 M1SD6**	430	**F604_885.1 P71 BN71B6**	431
1.0	2172	2.3	899.4	35000	**F704_899.4 S1 M1SD6**	434	**F704_899.4 P71 BN71B6**	435
1.1	1996	0.9	826.4	12000	**F514_826.4 S1 M1SD6**	426	**F514_826.4 P71 BN71B6**	427
1.1	1986	2.5	822.2	35000	**F704_822.2 S1 M1SD6**	434	**F704_822.2 P71 BN71B6**	435
1.3	1633	1.1	676.3	12000	**F514_676.3 S1 M1SD6**	426	**F514_676.3 P71 BN71B6**	427
1.4	1600	1.8	662.4	20000	**F604_662.4 S1 M1SD6**	430	**F604_662.4 P71 BN71B6**	431
1.4	1588	3.1	657.4	35000	**F704_657.4 S1 M1SD6**	434	**F704_657.4 P71 BN71B6**	435
1.5	1477	2.0	611.4	20000	**F604_611.4 S1 M1SD6**	430	**F604_611.4 P71 BN71B6**	431
1.5	1466	3.4	606.8	35000	**F704_606.8 S1 M1SD6**	434	**F704_606.8 P71 BN71B6**	435
1.7	1282	0.9	813.8	8500	**F414_813.8 S05 M05C4**	422	**F414_813.8 P71 BN71A4**	423
1.8	1199	0.9	739.4	8500	**F414_739.4 S05 M05C4**	422	**F414_739.4 P71 BN71A4**	423
1.9	1119	1.0	690.1	8500	**F414_690.1 S05 M05C4**	422	**F414_690.1 P71 BN71A4**	423
2.4	892	1.2	549.8	8500	**F414_549.8 S05 M05C4**	422	**F414_549.8 P71 BN71A4**	423
2.8	783	2.3	317.3	12000	**F513_317.3 S1 M1SD6**	426	**F513_317.3 P71 BN71B6**	427
3.1	704	1.6	433.7	8500	**F414_433.7 S05 M05C4**	422	**F414_433.7 P71 BN71A4**	423
3.2	679	0.9	418.9	6500	**F314_418.9 S05 M05C4**	418	**F314_418.9 P71 BN71A4**	419
3.7	603	1.0	374.4	6500			**F313_374.4 P71 BN71A4**	419
4.0	555	2.0	344.8	8500			**F413_344.8 P71 BN71A4**	423
4.1	536	1.1	332.8	6500			**F313_332.8 P71 BN71A4**	419
4.7	473	1.3	293.8	6500			**F313_293.8 P71 BN71A4**	419
4.7	477	2.3	296.6	8500			**F413_296.6 P71 BN71A4**	423
5.2	425	0.9	256.1	6500	**F253_256.1 S05 M05C4**	414	**F253_256.1 P71 BN71A4**	415
5.2	430	2.6	266.9	8500			**F413_266.9 P71 BN71A4**	423
5.4	408	1.5	253.6	6500			**F313_253.6 P71 BN71A4**	419
5.7	387	2.8	240.1	8500			**F413_240.1 P71 BN71A4**	423
5.9	378	1.1	227.8	6500	**F253_227.8 S05 M05C4**	414	**F253_227.8 P71 BN71A4**	415
6.0	367	1.6	228.2	6500			**F313_228.2 P71 BN71A4**	419
6.3	354	3.1	220.1	8500			**F413_220.1 P71 BN71A4**	423
6.8	326	1.8	202.3	6500			**F313_202.3 P71 BN71A4**	419
6.9	321	1.2	193.6	6500	**F253_193.6 S05 M05C4**	414	**F253_193.6 P71 BN71A4**	415
6.9	320	3.4	198.9	8500			**F413_198.9 P71 BN71A4**	423
7.4	299	2.0	185.4	6500			**F313_185.4 P71 BN71A4**	419
7.7	289	1.4	174.2	6500	**F253_174.2 S05 M05C4**	414	**F253_174.2 P71 BN71A4**	415
8.0	278	0.9	172.6	4000	**F203_172.6 S05 M05C4**	410	**F203_172.6 P71 BN71A4**	411
8.3	268	2.2	166.8	6500			**F313_166.8 P71 BN71A4**	419
8.6	259	1.0	156.3	4000	**F203_156.3 S05 M05C4**	410	**F203_156.3 P71 BN71A4**	411
8.6	259	1.5	155.9	6500	**F253_155.9 S05 M05C4**	414	**F253_155.9 P71 BN71A4**	415
9.2	243	2.5	150.8	6500			**F313_150.8 P71 BN71A4**	419
9.7	230	1.7	143.0	6500	**F253_143.0 S05 M05C4**	414	**F253_143.0 P71 BN71A4**	415
9.8	227	2.6	140.7	6500			**F313_140.7 P71 BN71A4**	419
10.1	224	1.1	132.2	4000	**F202_132.2 S05 M05C4**	410	**F202_132.2 P71 BN71A4**	411
10.5	212	1.9	127.8	6500	**F253_127.8 S05 M05C4**	414	**F253_127.8 P71 BN71A4**	415
10.7	207	2.9	128.4	6500			**F313_128.4 P71 BN71A4**	419
11.7	194	1.3	114.3	4000	**F202_114.3 S05 M05C4**	410	**F202_114.3 P71 BN71A4**	411
12.2	182	2.2	113.0	6500	**F253_113.0 S05 M05C4**	414	**F253_113.0 P71 BN71A4**	415
12.3	181	3.3	112.5	6500			**F313_112.5 P71 BN71A4**	419
12.7	175	2.3	105.4	6500	**F253_105.4 S05 M05C4**	414	**F253_105.4 P71 BN71A4**	415
13.2	172	1.5	101.6	4000	**F202_101.6 S05 M05C4**	410	**F202_101.6 P71 BN71A4**	411
14.0	158	2.5	95.5	6500	**F253_95.5 S05 M05C4**	414	**F253_95.5 P71 BN71A4**	415
14.6	155	0.9	91.5	2800	**F102_91.5 S05 M05C4**	406	**F102_91.5 P71 BN71A4**	407



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n_2 min^{-1}	M_2 Nm	S	i	R_{n2} N	IE1		IE1	
14.8	153	1.6	90.4	4000	**F202_90.4 S05 M05C4**	410	**F202_90.4 P71 BN71A4**	411
16.1	138	2.9	83.4	6500	**F253_83.4 S05 M05C4**	414	**F253_83.4 P71 BN71A4**	415
16.5	138	1.0	81.3	2800	**F102_81.3 S05 M05C4**	406	**F102_81.3 P71 BN71A4**	407
17.4	130	1.9	76.8	4000	**F202_76.8 S05 M05C4**	410	**F202_76.8 P71 BN71A4**	411
17.5	127	3.2	76.6	6420	**F253_76.6 S05 M05C4**	414	**F253_76.6 P71 BN71A4**	415
18.8	120	1.2	71.1	2800	**F102_71.1 S05 M05C4**	406	**F102_71.1 P71 BN71A4**	407
19.4	117	2.1	69.1	4000	**F202_69.1 S05 M05C4**	410	**F202_69.1 P71 BN71A4**	411
21.3	107	1.3	63.0	2800	**F102_63.0 S05 M05C4**	406	**F102_63.0 P71 BN71A4**	407
21.7	105	2.4	61.9	4000	**F202_61.9 S05 M05C4**	410	**F202_61.9 P71 BN71A4**	411
23.6	96	1.5	56.7	2800	**F102_56.7 S05 M05C4**	406	**F102_56.7 P71 BN71A4**	407
23.6	96	2.6	56.7	4000	**F202_56.7 S05 M05C4**	410	**F202_56.7 P71 BN71A4**	411
26.4	86	2.9	50.7	4000	**F202_50.7 S05 M05C4**	410	**F202_50.7 P71 BN71A4**	411
27.5	83	1.7	48.7	2800	**F102_48.7 S05 M05C4**	406	**F102_48.7 P71 BN71A4**	407
29.9	76	3.3	44.8	3870	**F202_44.8 S05 M05C4**	410	**F202_44.8 P71 BN71A4**	411
30	76	1.9	44.7	2800	**F102_44.7 S05 M05C4**	406	**F102_44.7 P71 BN71A4**	407
34	67	2.1	39.6	2800	**F102_39.6 S05 M05C4**	406	**F102_39.6 P71 BN71A4**	407
38	60	2.3	35.3	2800	**F102_35.3 S05 M05C4**	406	**F102_35.3 P71 BN71A4**	407
41	56	2.5	33.0	2800	**F102_33.0 S05 M05C4**	406	**F102_33.0 P71 BN71A4**	407
45	50	2.8	29.6	2800	**F102_29.6 S05 M05C4**	406	**F102_29.6 P71 BN71A4**	407
52	44	3.2	25.8	2750	**F102_25.8 S05 M05C4**	406	**F102_25.8 P71 BN71A4**	407
59	39	3.6	22.8	2650	**F102_22.8 S05 M05C4**	406	**F102_22.8 P71 BN71A4**	407
69	33	4.2	19.3	2520	**F102_19.3 S05 M05C4**	406	**F102_19.3 P71 BN71A4**	407
81	28	4.6	17.0	2420	**F102_17.0 S05 M05C4**	406	**F102_17.0 P71 BN71A4**	407
91	25	4.8	14.6	2310	**F102_14.6 S05 M05C4**	406	**F102_14.6 P71 BN71A4**	407
103	22	4.7	13.0	2230	**F102_13.0 S05 M05C4**	406	**F102_13.0 P71 BN71A4**	407
120	19	5.1	11.5	2140	**F102_11.5 S05 M05C4**	406	**F102_11.5 P71 BN71A4**	407
137	17	5.4	9.8	2030	**F102_9.8 S05 M05C4**	406	**F102_9.8 P71 BN71A4**	407
161	14	5.8	8.6	1950	**F102_8.6 S05 M05C4**	406	**F102_8.6 P71 BN71A4**	407
181	13	6.1	7.4	1860	**F102_7.4 S05 M05C4**	406	**F102_7.4 P71 BN71A4**	407
187	12	7.7	14.6	1850	**F102_14.6 S05 M05B2**	406	**F102_14.6 P63 BN63B2**	407
210	11	7.9	13.0	1780	**F102_13.0 S05 M05B2**	406	**F102_13.0 P63 BN63B2**	407
237	10	8.2	11.5	1710	**F102_11.5 S05 M05B2**	406	**F102_11.5 P63 BN63B2**	407
280	8	9.0	9.8	1620	**F102_9.8 S05 M05B2**	406	**F102_9.8 P63 BN63B2**	407
319	7	9.4	8.6	1550	**F102_8.6 S05 M05B2**	406	**F102_8.6 P63 BN63B2**	407
370	6	10.3	7.4	1480	**F102_7.4 S05 M05B2**	406	**F102_7.4 P63 BN63B2**	407

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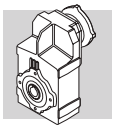
n_2 min^{-1}	M_2 Nm	S	i	R_{n2} N	IE1		IE1	
0.46	7024	1.1	1987	45000	**F804_1987 S1 M1LA6**	437	**F804_1987 P80 BN80A6**	438
0.50	6484	1.2	1834	45000	**F804_1834 S1 M1LA6**	437	**F804_1834 P80 BN80A6**	438
0.53	6042	1.3	1709	45000	**F804_1709 S1 M1LA6**	437	**F804_1709 P80 BN80A6**	438
0.57	5602	0.9	1585	35000	**F704_1585 S1 M1LA6**	434	**F704_1585 P80 BN80A6**	435
0.58	5577	1.4	1578	45000	**F804_1578 S1 M1LA6**	437	**F804_1578 P80 BN80A6**	438
0.61	5238	1.0	1481	35000	**F704_1481 S1 M1LA6**	434	**F704_1481 P80 BN80A6**	435
0.63	5137	1.0	2188	35000	**F704_2188 S1 M1SD4**	434	**F704_2188 P71 BN71B4**	435
0.68	4742	1.1	2019	35000	**F704_2019 S1 M1SD4**	434	**F704_2019 P71 BN71B4**	435
0.69	4666	1.7	1987	45000	**F804_1987 S1 M1SD4**	437	**F804_1987 P71 BN71B4**	438
0.75	4307	1.9	1834	45000	**F804_1834 S1 M1SD4**	437	**F804_1834 P71 BN71B4**	438
0.80	4031	1.2	1717	35000	**F704_1717 S1 M1SD4**	434	**F704_1717 P71 BN71B4**	435
0.80	4013	2.0	1709	45000	**F804_1709 S1 M1SD4**	437	**F804_1709 P71 BN71B4**	438
0.86	3721	1.3	1585	35000	**F704_1585 S1 M1SD4**	434	**F704_1585 P71 BN71B4**	435
0.87	3705	2.2	1578	45000	**F804_1578 S1 M1SD4**	437	**F804_1578 P71 BN71B4**	438
0.92	3479	1.4	1481	35000	**F704_1481 S1 M1SD4**	434	**F704_1481 P71 BN71B4**	435
0.99	3250	2.5	1384	45000	**F804_1384 S1 M1SD4**	437	**F804_1384 P71 BN71B4**	438



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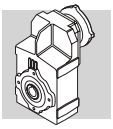
n_2 min^{-1}	M_2 Nm	S	i	R_{n2} N	IE1		IE1	
1.0	3211	1.6	1368	35000	**F704_1368 S1 M1SD4**	434	**F704_1368 P71 BN71B4**	435
1.1	3000	2.7	1277	45000	**F804_1277 S1 M1SD4**	437	**F804_1277 P71 BN71B4**	438
1.2	2680	1.1	1141	20000	**F604_1141 S1 M1SD4**	430	**F604_1141 P71 BN71B4**	431
1.2	2775	1.8	1182	35000	**F704_1182 S1 M1SD4**	434	**F704_1182 P71 BN71B4**	435
1.2	2692	3.0	1146	45000	**F804_1146 S1 M1SD4**	437	**F804_1146 P71 BN71B4**	438
1.3	2474	1.2	1054	20000	**F604_1054 S1 M1SD4**	430	**F604_1054 P71 BN71B4**	431
1.3	2562	2.0	1091	35000	**F704_1091 S1 M1SD4**	434	**F704_1091 P71 BN71B4**	435
1.3	2485	3.2	1058	45000	**F804_1058 S1 M1SD4**	437	**F804_1058 P71 BN71B4**	438
1.4	2252	1.3	958.9	20000	**F604_958.9 S1 M1SD4**	430	**F604_958.9 P71 BN71B4**	431
1.4	2288	2.2	974.4	35000	**F704_974.4 S1 M1SD4**	434	**F704_974.4 P71 BN71B4**	435
1.5	2079	0.9	885.5	12000	**F514_885.5 S1 M1SD4**	426	**F514_885.5 P71 BN71B4**	427
1.5	2078	1.4	885.1	20000	**F604_885.1 S1 M1SD4**	430	**F604_885.1 P71 BN71B4**	431
1.5	2112	2.4	899.4	35000	**F704_899.4 S1 M1SD4**	434	**F704_899.4 P71 BN71B4**	435
1.7	1941	0.9	826.4	12000	**F514_826.4 S1 M1SD4**	426	**F514_826.4 P71 BN71B4**	427
1.7	1931	2.6	822.2	35000	**F704_822.2 S1 M1SD4**	434	**F704_822.2 P71 BN71B4**	435
2.0	1588	1.1	676.3	12000	**F514_676.3 S1 M1SD4**	426	**F514_676.3 P71 BN71B4**	427
2.1	1556	1.9	662.4	20000	**F604_662.4 S1 M1SD4**	430	**F604_662.4 P71 BN71B4**	431
2.1	1544	3.2	657.4	35000	**F704_657.4 S1 M1SD4**	434	**F704_657.4 P71 BN71B4**	435
2.2	1436	2.0	611.4	20000	**F604_611.4 S1 M1SD4**	430	**F604_611.4 P71 BN71B4**	431
2.3	1425	3.5	606.8	35000	**F704_606.8 S1 M1SD4**	434	**F704_606.8 P71 BN71B4**	435
2.5	1291	0.9	549.8	8500	**F414_549.8 S1 M1SD4**	422	**F414_549.8 P71 BN71B4**	423
2.6	1246	1.4	530.5	12000	**F514_530.5 S1 M1SD4**	426	**F514_530.5 P71 BN71B4**	427
2.6	1246	2.3	530.7	20000	**F604_530.7 S1 M1SD4**	430	**F604_530.7 P71 BN71B4**	431
2.8	1150	2.5	489.8	20000	**F604_489.8 S1 M1SD4**	430	**F604_489.8 P71 BN71B4**	431
3.2	1018	1.1	433.7	8500	**F414_433.7 S1 M1SD4**	422	**F414_433.7 P71 BN71B4**	423
3.2	1008	1.8	429.1	12000	**F514_429.1 S1 M1SD4**	426	**F514_429.1 P71 BN71B4**	427
3.2	1016	2.9	432.6	20000	**F604_432.6 S1 M1SD4**	430	**F604_432.6 P71 BN71B4**	431
3.4	938	3.1	399.3	20000	**F604_399.3 S1 M1SD4**	430	**F604_399.3 P71 BN71B4**	431
3.9	846	2.1	352.5	12000	**F513_352.5 S1 M1SD4**	426	**F513_352.5 P71 BN71B4**	427
4.0	827	1.3	344.8	8500	**F413_344.8 S1 M1SD4**	422	**F413_344.8 P71 BN71B4**	423
4.3	761	2.4	317.3	12000	**F513_317.3 S1 M1SD4**	426	**F513_317.3 P71 BN71B4**	427
4.6	712	1.5	296.6	8500	**F413_296.6 S1 M1SD4**	422	**F413_296.6 P71 BN71B4**	423
4.8	686	2.6	285.9	12000	**F513_285.9 S1 M1SD4**	426	**F513_285.9 P71 BN71B4**	427
5.1	641	1.7	266.9	8500	**F413_266.9 S1 M1SD4**	422	**F413_266.9 P71 BN71B4**	423
5.2	629	2.9	262.1	12000	**F513_262.1 S1 M1SD4**	426	**F513_262.1 P71 BN71B4**	427
5.4	609	1.0	253.6	6500	**F313_253.6 S1 M1SD4**	418	**F313_253.6 P71 BN71B4**	419
5.7	576	1.9	240.1	8500	**F413_240.1 S1 M1SD4**	422	**F413_240.1 P71 BN71B4**	423
5.7	576	3.1	239.8	12000	**F513_239.8 S1 M1SD4**	426	**F513_239.8 P71 BN71B4**	427
6.0	548	1.1	228.2	6500	**F313_228.2 S1 M1SD4**	418	**F313_228.2 P71 BN71B4**	419
6.2	528	2.1	220.1	8500	**F413_220.1 S1 M1SD4**	422	**F413_220.1 P71 BN71B4**	423
6.3	520	3.5	216.9	12000	**F513_216.9 S1 M1SD4**	426	**F513_216.9 P71 BN71B4**	427
6.8	485	1.2	202.3	6500	**F313_202.3 S1 M1SD4**	418	**F313_202.3 P71 BN71B4**	419
6.9	477	2.3	198.9	8500	**F413_198.9 S1 M1SD4**	422	**F413_198.9 P71 BN71B4**	423
7.4	445	1.3	185.4	6500	**F313_185.4 S1 M1SD4**	418	**F313_185.4 P71 BN71B4**	419
7.6	434	2.5	180.7	8500	**F413_180.7 S1 M1SD4**	422	**F413_180.7 P71 BN71B4**	423
7.9	418	1.0	174.2	6500	**F253_174.2 S1 M1SD4**	414	**F253_174.2 P71 BN71B4**	415
8.1	405	2.7	168.7	8500	**F413_168.7 S1 M1SD4**	422	**F413_168.7 P71 BN71B4**	423
8.2	400	1.5	166.8	6500	**F313_166.8 S1 M1SD4**	418	**F313_166.8 P71 BN71B4**	419
8.8	374	1.1	155.9	6500	**F253_155.9 S1 M1SD4**	414	**F253_155.9 P71 BN71B4**	415
9.1	362	1.7	150.8	6500	**F313_150.8 S1 M1SD4**	418	**F313_150.8 P71 BN71B4**	419
9.6	343	1.2	143.0	6500	**F253_143.0 S1 M1SD4**	414	**F253_143.0 P71 BN71B4**	415
9.7	338	1.8	140.7	6500	**F313_140.7 S1 M1SD4**	418	**F313_140.7 P71 BN71B4**	419
10.2	323	3.4	134.4	8500	**F413_134.4 S1 M1SD4**	422	**F413_134.4 P71 BN71B4**	423
10.7	307	1.3	127.8	6500	**F253_127.8 S1 M1SD4**	414	**F253_127.8 P71 BN71B4**	415
10.7	308	1.9	128.4	6500	**F313_128.4 S1 M1SD4**	418	**F313_128.4 P71 BN71B4**	419
12.1	271	1.5	113.0	6500	**F253_113.0 S1 M1SD4**	414	**F253_113.0 P71 BN71B4**	415
12.2	270	2.2	112.5	6500	**F313_112.5 S1 M1SD4**	418	**F313_112.5 P71 BN71B4**	419
13.0	253	1.6	105.4	6500	**F253_105.4 S1 M1SD4**	414	**F253_105.4 P71 BN71B4**	415
13.4	245	2.5	101.9	6500	**F313_101.9 S1 M1SD4**	418	**F313_101.9 P71 BN71B4**	419
13.5	249	1.0	101.6	4000			**F202_101.6 P71 BN71B4**	411
14.3	229	1.7	95.5	6490	**F253_95.5 S1 M1SD4**	414	**F253_95.5 P71 BN71B4**	415
15.2	222	1.1	90.4	4000	**F202_90.4 S1 M1SD4**	410	**F202_90.4 P71 BN71B4**	411
15.7	210	2.9	87.4	6500	**F313_87.4 S1 M1SD4**	418	**F313_87.4 P71 BN71B4**	419
16.4	200	2.0	83.4	6280	**F253_83.4 S1 M1SD4**	414	**F253_83.4 P71 BN71B4**	415
17.4	189	3.2	78.9	6500	**F313_78.9 S1 M1SD4**	418	**F313_78.9 P71 BN71B4**	419



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n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE1		IE1	
17.8	188	1.3	76.8	4000	**F202_76.8 S1 M1SD4**	410	**F202_76.8 P71 BN71B4**	411
17.9	184	2.2	76.6	6160	**F253_76.6 S1 M1SD4**	414	**F253_76.6 P71 BN71B4**	415
19.8	169	1.5	69.1	4000	**F202_69.1 S1 M1SD4**	410	**F202_69.1 P71 BN71B4**	411
21.0	157	2.6	65.3	5920	**F253_65.3 S1 M1SD4**	414	**F253_65.3 P71 BN71B4**	415
21.7	154	0.9	63.0	2800	**F102_63.0 S1 M1SD4**	406	**F102_63.0 P71 BN71B4**	407
22.1	152	1.6	61.9	4000	**F202_61.9 S1 M1SD4**	410	**F202_61.9 P71 BN71B4**	411
23.5	140	2.9	58.3	5750	**F253_58.3 S1 M1SD4**	414	**F253_58.3 P71 BN71B4**	415
24.2	139	1.0	56.7	2800	**F102_56.7 S1 M1SD4**	406	**F102_56.7 P71 BN71B4**	407
24.2	139	1.8	56.7	4000	**F202_56.7 S1 M1SD4**	410	**F202_56.7 P71 BN71B4**	411
27.0	124	2.0	50.7	3900	**F202_50.7 S1 M1SD4**	410	**F202_50.7 P71 BN71B4**	411
27.0	122	3.3	50.8	5540	**F253_50.8 S1 M1SD4**	414	**F253_50.8 P71 BN71B4**	415
28.1	119	1.2	48.7	2800	**F102_48.7 S1 M1SD4**	406	**F102_48.7 P71 BN71B4**	407
31	110	1.3	44.7	2800	**F102_44.7 S1 M1SD4**	406	**F102_44.7 P71 BN71B4**	407
31	110	2.3	44.8	3770	**F202_44.8 S1 M1SD4**	410	**F202_44.8 P71 BN71B4**	411
31	109	3.5	44.4	5370	**F252_44.4 S1 M1SD4**	414	**F252_44.4 P71 BN71B4**	415
33	103	2.4	41.8	3700	**F202_41.8 S1 M1SD4**	410	**F202_41.8 P71 BN71B4**	411
35	97	1.4	39.6	2800	**F102_39.6 S1 M1SD4**	406	**F102_39.6 P71 BN71B4**	407
36	93	2.7	37.9	3600	**F202_37.9 S1 M1SD4**	410	**F202_37.9 P71 BN71B4**	411
39	87	1.6	35.3	2800	**F102_35.3 S1 M1SD4**	406	**F102_35.3 P71 BN71B4**	407
41	81	3.1	33.1	3460	**F202_33.1 S1 M1SD4**	410	**F202_33.1 P71 BN71B4**	411
42	81	1.7	33.0	2800	**F102_33.0 S1 M1SD4**	406	**F102_33.0 P71 BN71B4**	407
45	75	3.4	30.4	3380	**F202_30.4 S1 M1SD4**	410	**F202_30.4 P71 BN71B4**	411
46	73	1.9	29.6	2800	**F102_29.6 S1 M1SD4**	406	**F102_29.6 P71 BN71B4**	407
53	63	2.2	25.8	2690	**F102_25.8 S1 M1SD4**	406	**F102_25.8 P71 BN71B4**	407
60	56	2.5	22.8	2600	**F102_22.8 S1 M1SD4**	406	**F102_22.8 P71 BN71B4**	407
71	47	2.9	19.3	2470	**F102_19.3 S1 M1SD4**	406	**F102_19.3 P71 BN71B4**	407
81	42	3.1	17.0	2380	**F102_17.0 S1 M1SD4**	406	**F102_17.0 P71 BN71B4**	407
94	36	3.3	14.6	2280	**F102_14.6 S1 M1SD4**	406	**F102_14.6 P71 BN71B4**	407
105	32	3.3	13.0	2200	**F102_13.0 S1 M1SD4**	406	**F102_13.0 P71 BN71B4**	407
119	28	3.4	11.5	2120	**F102_11.5 S1 M1SD4**	406	**F102_11.5 P71 BN71B4**	407
140	24	3.7	9.8	2010	**F102_9.8 S1 M1SD4**	406	**F102_9.8 P71 BN71B4**	407
160	21	3.9	8.6	1930	**F102_8.6 S1 M1SD4**	406	**F102_8.6 P71 BN71B4**	407
185	18	4.2	7.4	1850	**F102_7.4 S1 M1SD4**	406	**F102_7.4 P71 BN71B4**	407
193	17	5.4	14.6	1830	**F102_14.6 S05 M05C2**	406	**F102_14.6 P71 BN71A2**	407
216	16	5.5	13.0	1760	**F102_13.0 S05 M05C2**	406	**F102_13.0 P71 BN71A2**	407
244	14	5.7	11.5	1690	**F102_11.5 S05 M05C2**	406	**F102_11.5 P71 BN71A2**	407
289	12	6.3	9.8	1610	**F102_9.8 S05 M05C2**	406	**F102_9.8 P71 BN71A2**	407
329	10	6.6	8.6	1540	**F102_8.6 S05 M05C2**	406	**F102_8.6 P71 BN71A2**	407
381	9	7.1	7.4	1470	**F102_7.4 S05 M05C2**	406	**F102_7.4 P71 BN71A2**	407

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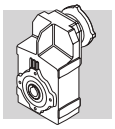
n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE1		IE1	
0.44	10909	1.3	2099	55000	**F904_2099 S2 M2SA6**	440	**F904_2099 P80 BN80B6**	441
0.47	10070	1.4	1937	55000	**F904_1937 S2 M2SA6**	440	**F904_1937 P80 BN80B6**	441
0.54	8884	0.9	1709	45000	**F804_1709 S2 M2SA6**	437	**F804_1709 P80 BN80B6**	438
0.54	8849	1.6	1702	55000	**F904_1702 S2 M2SA6**	440	**F904_1702 P80 BN80B6**	441
0.58	8201	1.0	1578	45000	**F804_1578 S2 M2SA6**	437	**F804_1578 P80 BN80B6**	438
0.59	8168	1.7	1571	55000	**F904_1571 S2 M2SA6**	440	**F904_1571 P80 BN80B6**	441
0.64	7422	1.9	1428	55000	**F904_1428 S2 M2SA6**	440	**F904_1428 P80 BN80B6**	441
0.66	7193	1.1	1384	45000	**F804_1384 S2 M2SA6**	437	**F804_1384 P80 BN80B6**	438
0.69	6885	1.2	1987	45000	**F804_1987 S1 M1LA4**	437	**F804_1987 P80 BN80A4**	438
0.75	6356	1.3	1834	45000	**F804_1834 S1 M1LA4**	437	**F804_1834 P80 BN80A4**	438
0.81	5923	1.4	1709	45000	**F804_1709 S1 M1LA4**	437	**F804_1709 P80 BN80A4**	438
0.87	5491	0.9	1585	35000	**F704_1585 S1 M1LA4**	434	**F704_1585 P80 BN80A4**	435
0.87	5467	1.5	1578	45000	**F804_1578 S1 M1LA4**	437	**F804_1578 P80 BN80A4**	438
0.93	5134	1.0	1481	35000	**F704_1481 S1 M1LA4**	434	**F704_1481 P80 BN80A4**	435
1.0	4739	1.1	1368	35000	**F704_1368 S1 M1LA4**	434	**F704_1368 P80 BN80A4**	435
1.0	4795	1.7	1384	45000	**F804_1384 S1 M1LA4**	437	**F804_1384 P80 BN80A4**	438
1.1	4427	1.8	1277	45000	**F804_1277 S1 M1LA4**	437	**F804_1277 P80 BN80A4**	438



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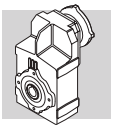
n_2 min^{-1}	M_2 Nm	S	i	R_{n2} N	IE1		IE1	
1.2	4095	1.2	1182	35000	**F704_1182 S1 M1LA4**	434	**F704_1182 P80 BN80A4**	435
1.2	3972	2.0	1146	45000	**F804_1146 S1 M1LA4**	437	**F804_1146 P80 BN80A4**	438
1.3	3780	1.3	1091	35000	**F704_1091 S1 M1LA4**	434	**F704_1091 P80 BN80A4**	435
1.3	3667	2.2	1058	45000	**F804_1058 S1 M1LA4**	437	**F804_1058 P80 BN80A4**	438
1.4	3323	0.9	958.9	20000	**F604_958.9 S1 M1LA4**	430	**F604_958.9 P80 BN80A4**	431
1.4	3377	1.5	974.4	35000	**F704_974.4 S1 M1LA4**	434	**F704_974.4 P80 BN80A4**	435
1.5	3117	1.6	899.4	35000	**F704_899.4 S1 M1LA4**	434	**F704_899.4 P80 BN80A4**	435
1.5	3109	2.6	897.3	45000	**F804_897.3 S1 M1LA4**	437	**F804_897.3 P80 BN80A4**	438
1.6	3067	0.9	885.1	20000	**F604_885.1 S1 M1LA4**	430	**F604_885.1 P80 BN80A4**	431
1.7	2849	1.8	822.2	35000	**F704_822.2 S1 M1LA4**	434	**F704_822.2 P80 BN80A4**	435
1.8	2684	3.0	774.4	45000	**F804_774.4 S1 M1LA4**	437	**F804_774.4 P80 BN80A4**	438
1.9	2477	3.2	714.9	45000	**F804_714.9 S1 M1LA4**	437	**F804_714.9 P80 BN80A4**	438
2.1	2295	1.3	662.4	20000	**F604_662.4 S1 M1LA4**	430	**F604_662.4 P80 BN80A4**	431
2.1	2278	2.2	657.4	35000	**F704_657.4 S1 M1LA4**	434	**F704_657.4 P80 BN80A4**	435
2.3	2119	1.4	611.4	20000	**F604_611.4 S1 M1LA4**	430	**F604_611.4 P80 BN80A4**	431
2.3	2103	2.4	606.8	35000	**F704_606.8 S1 M1LA4**	434	**F704_606.8 P80 BN80A4**	435
2.6	1838	1.0	530.5	12000	**F514_530.5 S1 M1LA4**	426	**F514_530.5 P80 BN80A4**	427
2.6	1839	1.6	530.7	20000	**F604_530.7 S1 M1LA4**	430	**F604_530.7 P80 BN80A4**	431
2.7	1769	2.8	510.4	35000	**F704_510.4 S1 M1LA4**	434	**F704_510.4 P80 BN80A4**	435
2.8	1698	1.7	489.8	20000	**F604_489.8 S1 M1LA4**	430	**F604_489.8 P80 BN80A4**	431
2.9	1633	3.1	471.2	35000	**F704_471.2 S1 M1LA4**	434	**F704_471.2 P80 BN80A4**	435
3.2	1487	1.2	429.1	12000	**F514_429.1 S1 M1LA4**	426	**F514_429.1 P80 BN80A4**	427
3.2	1499	1.9	432.6	20000	**F604_432.6 S1 M1LA4**	430	**F604_432.6 P80 BN80A4**	431
3.5	1384	2.1	399.3	20000	**F604_399.3 S1 M1LA4**	430	**F604_399.3 P80 BN80A4**	431
3.9	1248	1.4	352.5	12000	**F513_352.5 S1 M1LA4**	426	**F513_352.5 P80 BN80A4**	427
4.0	1221	0.9	344.8	8500	**F413_344.8 S1 M1LA4**	422	**F413_344.8 P80 BN80A4**	423
4.0	1184	2.4	341.7	20000	**F604_341.7 S1 M1LA4**	430	**F604_341.7 P80 BN80A4**	431
4.3	1124	1.6	317.3	12000	**F513_317.3 S1 M1LA4**	426	**F513_317.3 P80 BN80A4**	427
4.4	1093	2.7	315.4	20000	**F604_315.4 S1 M1LA4**	430	**F604_315.4 P80 BN80A4**	431
4.7	1050	1.0	296.6	8500	**F413_296.6 S1 M1LA4**	422	**F413_296.6 P80 BN80A4**	423
4.8	1013	1.8	285.9	12000	**F513_285.9 S1 M1LA4**	426	**F513_285.9 P80 BN80A4**	427
5.2	945	1.2	266.9	8500	**F413_266.9 S1 M1LA4**	422	**F413_266.9 P80 BN80A4**	423
5.3	928	1.9	262.1	12000	**F513_262.1 S1 M1LA4**	426	**F513_262.1 P80 BN80A4**	427
5.7	850	1.3	240.1	8500	**F413_240.1 S1 M1LA4**	422	**F413_240.1 P80 BN80A4**	423
5.8	849	2.1	239.8	12000	**F513_239.8 S1 M1LA4**	426	**F513_239.8 P80 BN80A4**	427
6.3	780	1.4	220.1	8500	**F413_220.1 S1 M1LA4**	422	**F413_220.1 P80 BN80A4**	423
6.4	768	2.3	216.9	12000	**F513_216.9 S1 M1LA4**	426	**F513_216.9 P80 BN80A4**	427
6.8	717	2.5	202.4	12000	**F513_202.4 S1 M1LA4**	426	**F513_202.4 P80 BN80A4**	427
6.9	704	1.6	198.9	8500	**F413_198.9 S1 M1LA4**	422	**F413_198.9 P80 BN80A4**	423
7.4	657	0.9	185.4	6500	**F313_185.4 S1 M1LA4**	418	**F313_185.4 P80 BN80A4**	419
7.6	640	1.7	180.7	8500	**F413_180.7 S1 M1LA4**	422	**F413_180.7 P80 BN80A4**	423
8.2	597	1.8	168.7	8500	**F413_168.7 S1 M1LA4**	422	**F413_168.7 P80 BN80A4**	423
8.3	591	1.0	166.8	6500	**F313_166.8 S1 M1LA4**	418	**F313_166.8 P80 BN80A4**	419
8.3	587	3.1	165.6	12000	**F513_165.6 S1 M1LA4**	426	**F513_165.6 P80 BN80A4**	427
9.2	534	1.1	150.8	6500	**F313_150.8 S1 M1LA4**	418	**F313_150.8 P80 BN80A4**	419
9.8	498	1.2	140.7	6500	**F313_140.7 S1 M1LA4**	418	**F313_140.7 P80 BN80A4**	419
10.3	476	2.3	134.4	8500	**F413_134.4 S1 M1LA4**	422	**F413_134.4 P80 BN80A4**	423
10.7	455	1.3	128.4	6500	**F313_128.4 S1 M1LA4**	418	**F313_128.4 P80 BN80A4**	419
12.2	400	1.0	113.0	6130	**F253_113.0 S1 M1LA4**	414	**F253_113.0 P80 BN80A4**	415
12.3	399	1.5	112.5	6500	**F313_112.5 S1 M1LA4**	418	**F313_112.5 P80 BN80A4**	419
13.0	375	2.9	106.0	8500	**F413_106.0 S1 M1LA4**	422	**F413_106.0 P80 BN80A4**	423
13.1	373	1.1	105.4	6070	**F253_105.4 S1 M1LA4**	414	**F253_105.4 P80 BN80A4**	415
13.5	361	1.7	101.9	6500	**F313_101.9 S1 M1LA4**	418	**F313_101.9 P80 BN80A4**	419
14.5	338	1.2	95.5	5980	**F253_95.5 S1 M1LA4**	414	**F253_95.5 P80 BN80A4**	415
15.8	309	1.9	87.4	6500	**F313_87.4 S1 M1LA4**	418	**F313_87.4 P80 BN80A4**	419
16.5	295	1.4	83.4	5840	**F253_83.4 S1 M1LA4**	414	**F253_83.4 P80 BN80A4**	415
17.5	279	2.1	78.9	6500	**F313_78.9 S1 M1LA4**	418	**F313_78.9 P80 BN80A4**	419
18.0	278	0.9	76.8	4000	**F202_76.8 S1 M1LA4**	410	**F202_76.8 P80 BN80A4**	411
18.0	271	1.5	76.6	5750	**F253_76.6 S1 M1LA4**	414	**F253_76.6 P80 BN80A4**	415
20.0	250	1.0	69.1	3980	**F202_69.1 S1 M1LA4**	410	**F202_69.1 P80 BN80A4**	411
20.0	245	2.5	69.1	6500	**F313_69.1 S1 M1LA4**	418	**F313_69.1 P80 BN80A4**	419
21.1	231	1.7	65.3	5570	**F253_65.3 S1 M1LA4**	414	**F253_65.3 P80 BN80A4**	415
22.1	221	2.7	62.8	6500			**F313_62.8 P80 BN80A4**	419
22.3	224	1.1	61.9	3890	**F202_61.9 S1 M1LA4**	410	**F202_61.9 P80 BN80A4**	411
23.7	207	1.9	58.3	5430	**F253_58.3 S1 M1LA4**	414	**F253_58.3 P80 BN80A4**	415



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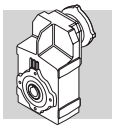
n_2 min^{-1}	M_2 Nm	S	i	R_{n2} N	IE1		IE1	
24.3	205	1.2	56.7	3810	**F202_56.7 S1 M1LA4**	410	**F202_56.7 P80 BN80A4**	411
26.7	183	3.3	52.1	6500			**F313_52.1 P80 BN80A4**	419
27.2	184	1.4	50.7	3720	**F202_50.7 S1 M1LA4**	410	**F202_50.7 P80 BN80A4**	411
27.2	180	2.2	50.8	5270	**F253_50.8 S1 M1LA4**	414	**F253_50.8 P80 BN80A4**	415
29.2	167	3.5	47.5	6500			**F313_47.5 P80 BN80A4**	419
31	162	1.5	44.8	3610	**F202_44.8 S1 M1LA4**	410	**F202_44.8 P80 BN80A4**	411
31	161	2.4	44.4	5140	**F252_44.4 S1 M1LA4**	414	**F252_44.4 P80 BN80A4**	415
31	160	2.5	45.6	5130			**F253_45.6 P80 BN80A4**	415
33	151	1.7	41.8	3550	**F202_41.8 S1 M1LA4**	410	**F202_41.8 P80 BN80A4**	411
34	147	2.5	40.7	5030	**F252_40.7 S1 M1LA4**	414	**F252_40.7 P80 BN80A4**	415
35	143	1.0	39.6	2800	**F102_39.6 S1 M1LA4**	406	**F102_39.6 P80 BN80A4**	407
36	137	1.8	37.9	3460	**F202_37.9 S1 M1LA4**	410	**F202_37.9 P80 BN80A4**	411
38	132	3.0	36.4	4890	**F252_36.4 S1 M1LA4**	414	**F252_36.4 P80 BN80A4**	415
39	128	1.1	35.3	2800	**F102_35.3 S1 M1LA4**	406	**F102_35.3 P80 BN80A4**	407
42	119	1.2	33.0	2750	**F102_33.0 S1 M1LA4**	406	**F102_33.0 P80 BN80A4**	407
42	120	2.1	33.1	3340	**F202_33.1 S1 M1LA4**	410	**F202_33.1 P80 BN80A4**	411
43	116	3.4	32.2	4730	**F252_32.2 S1 M1LA4**	414	**F252_32.2 P80 BN80A4**	415
45	110	2.3	30.4	3260	**F202_30.4 S1 M1LA4**	410	**F202_30.4 P80 BN80A4**	411
47	107	1.3	29.6	2680	**F102_29.6 S1 M1LA4**	406	**F102_29.6 P80 BN80A4**	407
53	94	2.6	25.9	3130	**F202_25.9 S1 M1LA4**	410	**F202_25.9 P80 BN80A4**	411
54	93	1.5	25.8	2590	**F102_25.8 S1 M1LA4**	406	**F102_25.8 P80 BN80A4**	407
60	83	1.7	22.8	2510	**F102_22.8 S1 M1LA4**	406	**F102_22.8 P80 BN80A4**	407
60	84	2.8	23.1	3030	**F202_23.1 S1 M1LA4**	410	**F202_23.1 P80 BN80A4**	411
68	73	3.1	20.2	2910	**F202_20.2 S1 M1LA4**	410	**F202_20.2 P80 BN80A4**	411
71	70	1.9	19.3	2400	**F102_19.3 S1 M1LA4**	406	**F102_19.3 P80 BN80A4**	407
77	65	3.3	18.1	2820	**F202_18.1 S1 M1LA4**	410	**F202_18.1 P80 BN80A4**	411
81	61	2.1	17.0	2310	**F102_17.0 S1 M1LA4**	406	**F102_17.0 P80 BN80A4**	407
94	53	2.2	14.6	2220	**F102_14.6 S1 M1LA4**	406	**F102_14.6 P80 BN80A4**	407
106	47	2.2	13.0	2140	**F102_13.0 S1 M1LA4**	406	**F102_13.0 P80 BN80A4**	407
120	42	2.3	11.5	2070	**F102_11.5 S1 M1LA4**	406	**F102_11.5 P80 BN80A4**	407
141	35	2.5	9.8	1970	**F102_9.8 S1 M1LA4**	406	**F102_9.8 P80 BN80A4**	407
161	31	2.6	8.6	1890	**F102_8.6 S1 M1LA4**	406	**F102_8.6 P80 BN80A4**	407
186	27	2.8	7.4	1810	**F102_7.4 S1 M1LA4**	406	**F102_7.4 P80 BN80A4**	407
193	26	3.6	14.6	1800	**F102_14.6 S1 M1SD2**	406	**F102_14.6 P71 BN71B2**	407
216	23	3.7	13.0	1730	**F102_13.0 S1 M1SD2**	406	**F102_13.0 P71 BN71B2**	407
244	20	3.8	11.5	1670	**F102_11.5 S1 M1SD2**	406	**F102_11.5 P71 BN71B2**	407
289	17	4.2	9.8	1590	**F102_9.8 S1 M1SD2**	406	**F102_9.8 P71 BN71B2**	407
329	15	4.4	8.6	1530	**F102_8.6 S1 M1SD2**	406	**F102_8.6 P71 BN71B2**	407
381	13	4.8	7.4	1460	**F102_7.4 S1 M1SD2**	406	**F102_7.4 P71 BN71B2**	407

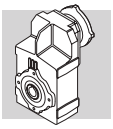
0.75 kW

n_2 min^{-1}	M_2 Nm	S	i	R_{n2} N	IE2	IE3		IE2	IE3	
0.45	14391	1.0	2098.7	55000	**F904_2099 S3 ME3SA6**		440	**F904_2099 P90 BE90S6**		441
0.49	13284	1.1	1937.3	55000	**F904_1937 S3 ME3SA6**		440	**F904_1937 P90 BE90S6**		441
0.55	11673	1.2	1702.3	55000	**F904_1702 S3 ME3SA6**		440	**F904_1702 P90 BE90S6**		441
0.60	10775	1.3	1571.4	55000	**F904_1571 S3 ME3SA6**		440	**F904_1571 P90 BE90S6**		441
0.66	9791	1.4	1427.9	55000	**F904_1428 S3 ME3SA6**		440	**F904_1428 P90 BE90S6**		441
0.68	9444	1.5	2098.7	55000	**F904_2099 S2 ME2SB4**	**F904_2099 S2 MX2SB4**	440	**F904_2099 P80 BE80B4**	**F904_2099 P80 BX80B4**	441
0.72	8941	0.9	1986.8	45000	**F804_1987 S2 ME2SB4**	**F804_1987 S2 MX2SB4**	437	**F804_1987 P80 BE80B4**	**F804_1987 P80 BX80B4**	438
0.74	8718	1.6	1937.3	55000	**F904_1937 S2 ME2SB4**	**F904_1937 S2 MX2SB4**	440	**F904_1937 P80 BE80B4**	**F904_1937 P80 BX80B4**	441
0.78	8253	1.0	1834.0	45000	**F804_1834 S2 ME2SB4**	**F804_1834 S2 MX2SB4**	437	**F804_1834 P80 BE80B4**	**F804_1834 P80 BX80B4**	438
0.84	7691	1.0	1709.1	45000	**F804_1709 S2 ME2SB4**	**F804_1709 S2 MX2SB4**	437	**F804_1709 P80 BE80B4**	**F804_1709 P80 BX80B4**	438
0.84	7660	1.8	1702.3	55000	**F904_1702 S2 ME2SB4**	**F904_1702 S2 MX2SB4**	440	**F904_1702 P80 BE80B4**	**F904_1702 P80 BX80B4**	441
0.91	7099	1.1	1577.6	45000	**F804_1578 S2 ME2SB4**	**F804_1578 S2 MX2SB4**	437	**F804_1578 P80 BE80B4**	**F804_1578 P80 BX80B4**	438
0.91	7071	2.0	1571.4	55000	**F904_1571 S2 ME2SB4**	**F904_1571 S2 MX2SB4**	440	**F904_1571 P80 BE80B4**	**F904_1571 P80 BX80B4**	441
1.0	6426	2.2	1427.9	55000	**F904_1428 S2 ME2SB4**	**F904_1428 S2 MX2SB4**	440	**F904_1428 P80 BE80B4**	**F904_1428 P80 BX80B4**	441
1.0	6227	1.3	1383.8	45000	**F804_1384 S2 ME2SB4**	**F804_1384 S2 MX2SB4**	437	**F804_1384 P80 BE80B4**	**F804_1384 P80 BX80B4**	438



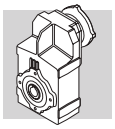
0.75 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE2	IE3		IE2	IE3	
1.1	5931	2.4	1318.1	55000	**F904_1318 S2 ME2SB4**	**F904_1318 S2 MX2SB4**	440	**F904_1318 P80 BE80B4**	**F904_1318 P80 BX80B4**	441
1.1	5748	1.4	1277.3	45000	**F804_1277 S2 ME2SB4**	**F804_1277 S2 MX2SB4**	437	**F804_1277 P80 BE80B4**	**F804_1277 P80 BX80B4**	438
1.2	5422	2.6	1204.9	55000	**F904_1205 S2 ME2SB4**	**F904_1205 S2 MX2SB4**	440	**F904_1205 P80 BE80B4**	**F904_1205 P80 BX80B4**	441
1.2	5318	0.9	1181.8	35000	**F704_1182 S2 ME2SB4**	**F704_1182 S2 MX2SB4**	434	**F704_1182 P80 BE80B4**	**F704_1182 P80 BX80B4**	435
1.2	5158	1.6	1146.2	45000	**F804_1146 S2 ME2SB4**	**F804_1146 S2 MX2SB4**	437	**F804_1146 P80 BE80B4**	**F804_1146 P80 BX80B4**	438
1.3	5005	2.8	1112.3	55000	**F904_1112 S2 ME2SB4**	**F904_1112 S2 MX2SB4**	440	**F904_1112 P80 BE80B4**	**F904_1112 P80 BX80B4**	441
1.3	4909	1.0	1090.9	35000	**F704_1091 S2 ME2SB4**	**F704_1091 S2 MX2SB4**	434	**F704_1091 P80 BE80B4**	**F704_1091 P80 BX80B4**	435
1.4	4761	1.7	1058.1	45000	**F804_1058 S2 ME2SB4**	**F804_1058 S2 MX2SB4**	437	**F804_1058 P80 BE80B4**	**F804_1058 P80 BX80B4**	438
1.5	4437	3.2	986.0	55000	**F904_986.0 S2 ME2SB4**	**F904_986.0 S2 MX2SB4**	440	**F904_986.0 P80 BE80B4**	**F904_986.0 P80 BX80B4**	441
1.5	4385	1.1	974.4	35000	**F704_974.4 S2 ME2SB4**	**F704_974.4 S2 MX2SB4**	434	**F704_974.4 P80 BE80B4**	**F704_974.4 P80 BX80B4**	435
1.5	4374	1.8	972.0	45000	**F804_972.0 S2 ME2SB4**	**F804_972.0 S2 MX2SB4**	437	**F804_972.0 P80 BE80B4**	**F804_972.0 P80 BX80B4**	438
1.6	4096	3.4	910.2	55000	**F904_910.2 S2 ME2SB4**	**F904_910.2 S2 MX2SB4**	440	**F904_910.2 P80 BE80B4**	**F904_910.2 P80 BX80B4**	441
1.6	4047	1.2	899.4	35000	**F704_899.4 S2 ME2SB4**	**F704_899.4 S2 MX2SB4**	434	**F704_899.4 P80 BE80B4**	**F704_899.4 P80 BX80B4**	435
1.6	4038	2.0	897.3	45000	**F804_897.3 S2 ME2SB4**	**F804_897.3 S2 MX2SB4**	437	**F804_897.3 P80 BE80B4**	**F804_897.3 P80 BX80B4**	438
1.7	3700	1.4	822.2	35000	**F704_822.2 S2 ME2SB4**	**F704_822.2 S2 MX2SB4**	434	**F704_822.2 P80 BE80B4**	**F704_822.2 P80 BX80B4**	435
1.8	3485	2.3	774.4	45000	**F804_774.4 S2 ME2SB4**	**F804_774.4 S2 MX2SB4**	437	**F804_774.4 P80 BE80B4**	**F804_774.4 P80 BX80B4**	438
1.9	3415	1.5	759.0	35000	**F704_759.0 S2 ME2SB4**	**F704_759.0 S2 MX2SB4**	434	**F704_759.0 P80 BE80B4**	**F704_759.0 P80 BX80B4**	435
2.0	3217	2.5	714.9	45000	**F804_714.9 S2 ME2SB4**	**F804_714.9 S2 MX2SB4**	437	**F804_714.9 P80 BE80B4**	**F804_714.9 P80 BX80B4**	438
2.2	2981	1.0	662.4	20000	**F604_662.4 S2 ME2SB4**	**F604_662.4 S2 MX2SB4**	430	**F604_662.4 P80 BE80B4**	**F604_662.4 P80 BX80B4**	431
2.2	2958	1.7	657.4	35000	**F704_657.4 S2 ME2SB4**	**F704_657.4 S2 MX2SB4**	434	**F704_657.4 P80 BE80B4**	**F704_657.4 P80 BX80B4**	435
2.3	2751	1.1	611.4	20000	**F604_611.4 S2 ME2SB4**	**F604_611.4 S2 MX2SB4**	430	**F604_611.4 P80 BE80B4**	**F604_611.4 P80 BX80B4**	431
2.3	2749	2.9	610.9	45000	**F804_610.9 S2 ME2SB4**	**F804_610.9 S2 MX2SB4**	437	**F804_610.9 P80 BE80B4**	**F804_610.9 P80 BX80B4**	438
2.4	2731	1.8	606.8	35000	**F704_606.8 S2 ME2SB4**	**F704_606.8 S2 MX2SB4**	434	**F704_606.8 P80 BE80B4**	**F704_606.8 P80 BX80B4**	435
2.5	2537	3.2	563.9	45000	**F804_563.9 S2 ME2SB4**	**F804_563.9 S2 MX2SB4**	437	**F804_563.9 P80 BE80B4**	**F804_563.9 P80 BX80B4**	438
2.7	2388	1.2	530.7	20000	**F604_530.7 S2 ME2SB4**	**F604_530.7 S2 MX2SB4**	430	**F604_530.7 P80 BE80B4**	**F604_530.7 P80 BX80B4**	431
2.8	2297	2.2	510.4	35000	**F704_510.4 S2 ME2SB4**	**F704_510.4 S2 MX2SB4**	434	**F704_510.4 P80 BE80B4**	**F704_510.4 P80 BX80B4**	435
2.9	2204	1.3	489.8	20000	**F604_489.8 S2 ME2SB4**	**F604_489.8 S2 MX2SB4**	430	**F604_489.8 P80 BE80B4**	**F604_489.8 P80 BX80B4**	431
3.0	2120	2.4	471.2	35000	**F704_471.2 S2 ME2SB4**	**F704_471.2 S2 MX2SB4**	434	**F704_471.2 P80 BE80B4**	**F704_471.2 P80 BX80B4**	435
3.3	1947	1.5	432.6	20000	**F604_432.6 S2 ME2SB4**	**F604_432.6 S2 MX2SB4**	430	**F604_432.6 P80 BE80B4**	**F604_432.6 P80 BX80B4**	431
3.3	1931	0.9	429.1	12000	**F514_429.1 S2 ME2SB4**	**F514_429.1 S2 MX2SB4**	426	**F514_429.1 P80 BE80B4**	**F514_429.1 P80 BX80B4**	427
3.5	1816	2.8	403.5	35000	**F704_403.5 S2 ME2SB4**	**F704_403.5 S2 MX2SB4**	434	**F704_403.5 P80 BE80B4**	**F704_403.5 P80 BX80B4**	435
3.6	1797	1.6	399.3	20000	**F604_399.3 S2 ME2SB4**	**F604_399.3 S2 MX2SB4**	430	**F604_399.3 P80 BE80B4**	**F604_399.3 P80 BX80B4**	431
3.8	1676	3.0	372.5	35000	**F704_372.5 S2 ME2SB4**	**F704_372.5 S2 MX2SB4**	434	**F704_372.5 P80 BE80B4**	**F704_372.5 P80 BX80B4**	435
4.1	1639	1.1	352.5	12000	**F513_352.5 S2 ME2SB4**	**F513_352.5 S2 MX2SB4**	426	**F513_352.5 P80 BE80B4**	**F513_352.5 P80 BX80B4**	427
4.2	1538	1.9	341.7	20000	**F604_341.7 S2 ME2SB4**	**F604_341.7 S2 MX2SB4**	430	**F604_341.7 P80 BE80B4**	**F604_341.7 P80 BX80B4**	431
4.5	1475	1.2	317.3	12000	**F513_317.3 S2 ME2SB4**	**F513_317.3 S2 MX2SB4**	426	**F513_317.3 P80 BE80B4**	**F513_317.3 P80 BX80B4**	427
4.5	1419	2.0	315.4	20000	**F604_315.4 S2 ME2SB4**	**F604_315.4 S2 MX2SB4**	430	**F604_315.4 P80 BE80B4**	**F604_315.4 P80 BX80B4**	431
4.7	1370	3.7	304.3	35000	**F704_304.3 S2 ME2SB4**	**F704_304.3 S2 MX2SB4**	434	**F704_304.3 P80 BE80B4**	**F704_304.3 P80 BX80B4**	435
5.0	1330	1.4	285.9	12000	**F513_285.9 S2 ME2SB4**	**F513_285.9 S2 MX2SB4**	426	**F513_285.9 P80 BE80B4**	**F513_285.9 P80 BX80B4**	427
5.1	1305	2.2	280.7	20000	**F603_280.7 S2 ME2SB4**	**F603_280.7 S2 MX2SB4**	430	**F603_280.7 P80 BE80B4**	**F603_280.7 P80 BX80B4**	431
5.5	1219	1.5	262.1	12000	**F513_262.1 S2 ME2SB4**	**F513_262.1 S2 MX2SB4**	426	**F513_262.1 P80 BE80B4**	**F513_262.1 P80 BX80B4**	427
5.5	1205	2.4	259.1	20000	**F603_259.1 S2 ME2SB4**	**F603_259.1 S2 MX2SB4**	430	**F603_259.1 P80 BE80B4**	**F603_259.1 P80 BX80B4**	431
6.0	1117	1.0	240.1	8500	**F413_240.1 S2 ME2SB4**	**F413_240.1 S2 MX2SB4**	422	**F413_240.1 P80 BE80B4**	**F413_240.1 P80 BX80B4**	423
6.0	1115	1.6	239.8	12000	**F513_239.8 S2 ME2SB4**	**F513_239.8 S2 MX2SB4**	426	**F513_239.8 P80 BE80B4**	**F513_239.8 P80 BX80B4**	427
6.1	1096	2.6	235.8	20000	**F603_235.8 S2 ME2SB4**	**F603_235.8 S2 MX2SB4**	430	**F603_235.8 P80 BE80B4**	**F603_235.8 P80 BX80B4**	431
6.5	1024	1.1	220.1	8500	**F413_220.1 S2 ME2SB4**	**F413_220.1 S2 MX2SB4**	422	**F413_220.1 P80 BE80B4**	**F413_220.1 P80 BX80B4**	423
6.6	1012	2.9	217.6	20000	**F603_217.6 S2 ME2SB4**	**F603_217.6 S2 MX2SB4**	430	**F603_217.6 P80 BE80B4**	**F603_217.6 P80 BX80B4**	431
6.6	1008	1.8	216.9	12000	**F513_216.9 S2 ME2SB4**	**F513_216.9 S2 MX2SB4**	426	**F513_216.9 P80 BE80B4**	**F513_216.9 P80 BX80B4**	427
7.1	941	1.9	202.4	12000	**F513_202.4 S2 ME2SB4**	**F513_202.4 S2 MX2SB4**	426	**F513_202.4 P80 BE80B4**	**F513_202.4 P80 BX80B4**	427
7.1	936	3.1	201.4	20000	**F603_201.4 S2 ME2SB4**	**F603_201.4 S2 MX2SB4**	430	**F603_201.4 P80 BE80B4**	**F603_201.4 P80 BX80B4**	431
7.2	925	1.2	198.9	8500	**F413_198.9 S2 ME2SB4**	**F413_198.9 S2 MX2SB4**	422	**F413_198.9 P80 BE80B4**	**F413_198.9 P80 BX80B4**	423
7.7	864	3.4	185.9	20000	**F603_185.9 S2 ME2SB4**	**F603_185.9 S2 MX2SB4**	430	**F603_185.9 P80 BE80B4**	**F603_185.9 P80 BX80B4**	431
7.9	840	1.3	180.7	8500	**F413_180.7 S2 ME2SB4**	**F413_180.7 S2 MX2SB4**	422	**F413_180.7 P80 BE80B4**	**F413_180.7 P80 BX80B4**	423
8.5	784	1.4	168.7	8500	**F413_168.7 S2 ME2SB4**	**F413_168.7 S2 MX2SB4**	422	**F413_168.7 P80 BE80B4**	**F413_168.7 P80 BX80B4**	423
8.6	770	2.3	165.6	12000	**F513_165.6 S2 ME2SB4**	**F513_165.6 S2 MX2SB4**	426	**F513_165.6 P80 BE80B4**	**F513_165.6 P80 BX80B4**	427
8.8	757	3.8	162.9	20000	**F603_162.9 S2 ME2SB4**	**F603_162.9 S2 MX2SB4**	430	**F603_162.9 P80 BE80B4**	**F603_162.9 P80 BX80B4**	431
10.2	654	0.9	140.7	6500	**F313_140.7 S2 ME2SB4**	**F313_140.7 S2 MX2SB4**	418	**F313_140.7 P80 BE80B4**	**F313_140.7 P80 BX80B4**	419
10.6	625	1.8	134.4	8500	**F413_134.4 S2 ME2SB4**	**F413_134.4 S2 MX2SB4**	422	**F413_134.4 P80 BE80B4**	**F413_134.4 P80 BX80B4**	423
11.0	604	3.0	129.9	12000	**F513_129.9 S2 ME2SB4**	**F513_129.9 S2 MX2SB4**	426	**F513_129.9 P80 BE80B4**	**F513_129.9 P80 BX80B4**	427
11.1	597	1.0	128.4	6500	**F313_128.4 S2 ME2SB4**	**F313_128.4 S2 MX2SB4**	418	**F313_128.4 P80 BE80B4**	**F313_128.4 P80 BX80B4**	419



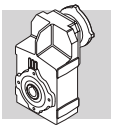
0.75 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE2	IE3		IE2	IE3	
12.7	523	1.1	112.5	6500	**F313_112.5 S2 ME2SB4**	**F313_112.5 S2 MX2SB4**	418	**F313_112.5 P80 BE80B4**	**F313_112.5 P80 BX80B4**	419
13.5	493	2.2	106.0	8500	**F413_106.0 S2 ME2SB4**	**F413_106.0 S2 MX2SB4**	422	**F413_106.0 P80 BE80B4**	**F413_106.0 P80 BX80B4**	423
14.0	474	1.3	101.9	6500	**F313_101.9 S2 ME2SB4**	**F313_101.9 S2 MX2SB4**	418	**F313_101.9 P80 BE80B4**	**F313_101.9 P80 BX80B4**	419
15.0	444	0.9	95.5	5450	**F253_95.5 S2 ME2SB4**	**F253_95.5 S2 MX2SB4**	414	**F253_95.5 P80 BE80B4**	**F253_95.5 P80 BX80B4**	415
16.4	406	1.5	87.4	6500	**F313_87.4 S2 ME2SB4**	**F313_87.4 S2 MX2SB4**	418	**F313_87.4 P80 BE80B4**	**F313_87.4 P80 BX80B4**	419
16.8	395	2.8	84.9	8500	**F413_84.9 S2 ME2SB4**	**F413_84.9 S2 MX2SB4**	422	**F413_84.9 P80 BE80B4**	**F413_84.9 P80 BX80B4**	423
17.1	388	1.0	83.4	5350	**F253_83.4 S2 ME2SB4**	**F253_83.4 S2 MX2SB4**	414	**F253_83.4 P80 BE80B4**	**F253_83.4 P80 BX80B4**	415
18.1	367	1.6	78.9	6500	**F313_78.9 S2 ME2SB4**	**F313_78.9 S2 MX2SB4**	418	**F313_78.9 P80 BE80B4**	**F313_78.9 P80 BX80B4**	419
18.7	356	1.1	76.6	5300	**F253_76.6 S2 ME2SB4**	**F253_76.6 S2 MX2SB4**	414	**F253_76.6 P80 BE80B4**	**F253_76.6 P80 BX80B4**	415
20.7	321	1.9	69.1	6500	**F313_69.1 S2 ME2SB4**	**F313_69.1 S2 MX2SB4**	418	**F313_69.1 P80 BE80B4**	**F313_69.1 P80 BX80B4**	419
21.5	309	3.6	66.5	8500	**F413_66.5 S2 ME2SB4**	**F413_66.5 S2 MX2SB4**	422	**F413_66.5 P80 BE80B4**	**F413_66.5 P80 BX80B4**	423
21.9	304	1.3	65.3	5180	**F253_65.3 S2 ME2SB4**	**F253_65.3 S2 MX2SB4**	414	**F253_65.3 P80 BE80B4**	**F253_65.3 P80 BX80B4**	415
22.8	292	2.1	62.8	6500	**F313_62.8 S2 ME2SB4**	**F313_62.8 S2 MX2SB4**	418	**F313_62.8 P80 BE80B4**	**F313_62.8 P80 BX80B4**	419
24.5	271	1.5	58.3	5080	**F253_58.3 S2 ME2SB4**	**F253_58.3 S2 MX2SB4**	414	**F253_58.3 P80 BE80B4**	**F253_58.3 P80 BX80B4**	415
25.2	269	0.9	56.7	3590	**F202_56.7 S2 ME2SB4**	**F202_56.7 S2 MX2SB4**	410	**F202_56.7 P80 BE80B4**	**F202_56.7 P80 BX80B4**	411
27.5	242	2.5	52.1	6500	**F313_52.1 S2 ME2SB4**	**F313_52.1 S2 MX2SB4**	418	**F313_52.1 P80 BE80B4**	**F313_52.1 P80 BX80B4**	419
28.2	236	1.7	50.8	4960	**F253_50.8 S2 ME2SB4**	**F253_50.8 S2 MX2SB4**	414	**F253_50.8 P80 BE80B4**	**F253_50.8 P80 BX80B4**	415
28.2	241	1.0	50.7	3510	**F202_50.7 S2 ME2SB4**	**F202_50.7 S2 MX2SB4**	410	**F202_50.7 P80 BE80B4**	**F202_50.7 P80 BX80B4**	411
30	221	2.6	47.5	6500	**F313_47.5 S2 ME2SB4**	**F313_47.5 S2 MX2SB4**	418	**F313_47.5 P80 BE80B4**	**F313_47.5 P80 BX80B4**	419
31	212	1.9	45.6	4860	**F253_45.6 S2 ME2SB4**	**F253_45.6 S2 MX2SB4**	414	**F253_45.6 P80 BE80B4**	**F253_45.6 P80 BX80B4**	415
32	213	1.2	44.8	3420	**F202_44.8 S2 ME2SB4**	**F202_44.8 S2 MX2SB4**	410	**F202_44.8 P80 BE80B4**	**F202_44.8 P80 BX80B4**	411
32	212	2.8	44.6	6500	**F312_44.6 S2 ME2SB4**	**F312_44.6 S2 MX2SB4**	418	**F312_44.6 P80 BE80B4**	**F312_44.6 P80 BX80B4**	419
32	211	1.8	44.4	4890	**F252_44.4 S2 ME2SB4**	**F252_44.4 S2 MX2SB4**	414	**F252_44.4 P80 BE80B4**	**F252_44.4 P80 BX80B4**	415
34	199	1.3	41.8	3370	**F202_41.8 S2 ME2SB4**	**F202_41.8 S2 MX2SB4**	410	**F202_41.8 P80 BE80B4**	**F202_41.8 P80 BX80B4**	411
35	193	1.9	40.7	4790	**F252_40.7 S2 ME2SB4**	**F252_40.7 S2 MX2SB4**	414	**F252_40.7 P80 BE80B4**	**F252_40.7 P80 BX80B4**	415
35	192	3.1	40.4	6500	**F312_40.4 S2 ME2SB4**	**F312_40.4 S2 MX2SB4**	418	**F312_40.4 P80 BE80B4**	**F312_40.4 P80 BX80B4**	419
38	180	1.4	37.9	3300	**F202_37.9 S2 ME2SB4**	**F202_37.9 S2 MX2SB4**	410	**F202_37.9 P80 BE80B4**	**F202_37.9 P80 BX80B4**	411
38	179	3.4	37.7	6500	**F312_37.7 S2 ME2SB4**	**F312_37.7 S2 MX2SB4**	418	**F312_37.7 P80 BE80B4**	**F312_37.7 P80 BX80B4**	419
39	173	2.3	36.4	4680	**F252_36.4 S2 ME2SB4**	**F252_36.4 S2 MX2SB4**	414	**F252_36.4 P80 BE80B4**	**F252_36.4 P80 BX80B4**	415
43	157	1.6	33.1	3200	**F202_33.1 S2 ME2SB4**	**F202_33.1 S2 MX2SB4**	410	**F202_33.1 P80 BE80B4**	**F202_33.1 P80 BX80B4**	411
44	153	2.6	32.2	4540	**F252_32.2 S2 ME2SB4**	**F252_32.2 S2 MX2SB4**	414	**F252_32.2 P80 BE80B4**	**F252_32.2 P80 BX80B4**	415
47	144	1.7	30.4	3140	**F202_30.4 S2 ME2SB4**	**F202_30.4 S2 MX2SB4**	410	**F202_30.4 P80 BE80B4**	**F202_30.4 P80 BX80B4**	411
48	143	2.8	30.0	4470	**F252_30.0 S2 ME2SB4**	**F252_30.0 S2 MX2SB4**	414	**F252_30.0 P80 BE80B4**	**F252_30.0 P80 BX80B4**	415
48	141	1.0	29.6	2550	**F102_29.6 S2 ME2SB4**	**F102_29.6 S2 MX2SB4**	406	**F102_29.6 P80 BE80B4**	**F102_29.6 P80 BX80B4**	407
53	129	3.1	27.2	4360	**F252_27.2 S2 ME2SB4**	**F252_27.2 S2 MX2SB4**	414	**F252_27.2 P80 BE80B4**	**F252_27.2 P80 BX80B4**	415
55	123	1.9	25.9	3020	**F202_25.9 S2 ME2SB4**	**F202_25.9 S2 MX2SB4**	410	**F202_25.9 P80 BE80B4**	**F202_25.9 P80 BX80B4**	411
55	122	1.1	25.8	2470	**F102_25.8 S2 ME2SB4**	**F102_25.8 S2 MX2SB4**	406	**F102_25.8 P80 BE80B4**	**F102_25.8 P80 BX80B4**	407
60	113	3.5	23.8	4210	**F252_23.8 S2 ME2SB4**	**F252_23.8 S2 MX2SB4**	414	**F252_23.8 P80 BE80B4**	**F252_23.8 P80 BX80B4**	415
62	110	2.1	23.1	2930	**F202_23.1 S2 ME2SB4**	**F202_23.1 S2 MX2SB4**	410	**F202_23.1 P80 BE80B4**	**F202_23.1 P80 BX80B4**	411
63	108	1.3	22.8	2400	**F102_22.8 S2 ME2SB4**	**F102_22.8 S2 MX2SB4**	406	**F102_22.8 P80 BE80B4**	**F102_22.8 P80 BX80B4**	407
71	96	2.3	20.2	2830	**F202_20.2 S2 ME2SB4**	**F202_20.2 S2 MX2SB4**	410	**F202_20.2 P80 BE80B4**	**F202_20.2 P80 BX80B4**	411
74	92	1.5	19.3	2310	**F102_19.3 S2 ME2SB4**	**F102_19.3 S2 MX2SB4**	406	**F102_19.3 P80 BE80B4**	**F102_19.3 P80 BX80B4**	407
79	86	2.5	18.1	2740	**F202_18.1 S2 ME2SB4**	**F202_18.1 S2 MX2SB4**	410	**F202_18.1 P80 BE80B4**	**F202_18.1 P80 BX80B4**	411
84	81	1.6	17.0	2230	**F102_17.0 S2 ME2SB4**	**F102_17.0 S2 MX2SB4**	406	**F102_17.0 P80 BE80B4**	**F102_17.0 P80 BX80B4**	407
97	70	2.9	14.8	2600	**F202_14.8 S2 ME2SB4**	**F202_14.8 S2 MX2SB4**	410	**F202_14.8 P80 BE80B4**	**F202_14.8 P80 BX80B4**	411
98	70	1.7	14.6	2150	**F102_14.6 S2 ME2SB4**	**F102_14.6 S2 MX2SB4**	406	**F102_14.6 P80 BE80B4**	**F102_14.6 P80 BX80B4**	407
110	62	1.7	13.0	2070	**F102_13.0 S2 ME2SB4**	**F102_13.0 S2 MX2SB4**	406	**F102_13.0 P80 BE80B4**	**F102_13.0 P80 BX80B4**	407
124	55	1.8	11.5	2010	**F102_11.5 S2 ME2SB4**	**F102_11.5 S2 MX2SB4**	406	**F102_11.5 P80 BE80B4**	**F102_11.5 P80 BX80B4**	407
146	46	1.9	9.8	1920	**F102_9.8 S2 ME2SB4**	**F102_9.8 S2 MX2SB4**	406	**F102_9.8 P80 BE80B4**	**F102_9.8 P80 BX80B4**	407
167	41	2.0	8.6	1850	**F102_8.6 S2 ME2SB4**	**F102_8.6 S2 MX2SB4**	406	**F102_8.6 P80 BE80B4**	**F102_8.6 P80 BX80B4**	407
193	35	2.2	7.4	1770	**F102_7.4 S2 ME2SB4**	**F102_7.4 S2 MX2SB4**	406	**F102_7.4 P80 BE80B4**	**F102_7.4 P80 BX80B4**	407
195	35	2.7	14.6	1770	**F102_14.6 S2 ME2SA2**		406	**F102_14.6 P80 BE80A2**		407
219	31	2.7	13.0	1710	**F102_13.0 S2 ME2SA2**		406	**F102_13.0 P80 BE80A2**		407
247	28	2.8	11.5	1650	**F102_11.5 S2 ME2SA2**		406	**F102_11.5 P80 BE80A2**		407
292	23	3.1	9.8	1570	**F102_9.8 S2 ME2SA2**		406	**F102_9.8 P80 BE80A2**		407
332	20.5	3.2	8.6	1510	**F102_8.6 S2 ME2SA2**		406	**F102_8.6 P80 BE80A2**		407
385	17.7	3.6	7.4	1440	**F102_7.4 S2 ME2SA2**		406	**F102_7.4 P80 BE80A2**		407



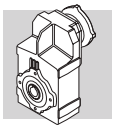
1.1 kW

n_2 min^{-1}	M_2 Nm	S	i	R_{n2} N	IE2	IE3		IE2	IE3	
0.60	15694	0.9	1571.4	55000	**F904_1571 S3 ME3LA6**		440	**F904_1571 P100 BE100M6**		441
0.66	14285	1.0	1427.9	55000	**F904_1428 S3 ME3LA6**		440	**F904_1428 P100 BE100M6**		441
0.68	13977	1.0	2098.7	55000	**F904_2099 S3 ME3SA4**	**F904_2099 S3 MX3SA4**	440	**F904_2099 P90 BE90S4**	**F904_2099 P90 BX90S4**	441
0.74	12902	1.1	1937.3	55000	**F904_1937 S3 ME3SA4**	**F904_1937 S3 MX3SA4**	440	**F904_1937 P90 BE90S4**	**F904_1937 P90 BX90S4**	441
0.84	11337	1.2	1702.3	55000	**F904_1702 S3 ME3SA4**	**F904_1702 S3 MX3SA4**	440	**F904_1702 P90 BE90S4**	**F904_1702 P90 BX90S4**	441
0.91	10465	1.3	1571.4	55000	**F904_1571 S3 ME3SA4**	**F904_1571 S3 MX3SA4**	440	**F904_1571 P90 BE90S4**	**F904_1571 P90 BX90S4**	441
1.0	9510	1.5	1427.9	55000	**F904_1428 S3 ME3SA4**	**F904_1428 S3 MX3SA4**	440	**F904_1428 P90 BE90S4**	**F904_1428 P90 BX90S4**	441
1.1	8778	1.6	1318.1	55000	**F904_1318 S3 ME3SA4**	**F904_1318 S3 MX3SA4**	440	**F904_1318 P90 BE90S4**	**F904_1318 P90 BX90S4**	441
1.1	8507	0.9	1277.3	45000	**F804_1277 S3 ME3SA4**	**F804_1277 S3 MX3SA4**	437	**F804_1277 P90 BE90S4**	**F804_1277 P90 BX90S4**	438
1.2	8025	1.7	1204.9	55000	**F904_1205 S3 ME3SA4**	**F904_1205 S3 MX3SA4**	440	**F904_1205 P90 BE90S4**	**F904_1205 P90 BX90S4**	441
1.2	7634	1.0	1146.2	45000	**F804_1146 S3 ME3SA4**	**F804_1146 S3 MX3SA4**	437	**F804_1146 P90 BE90S4**	**F804_1146 P90 BX90S4**	438
1.3	7408	1.9	1112.3	55000	**F904_1112 S3 ME3SA4**	**F904_1112 S3 MX3SA4**	440	**F904_1112 P90 BE90S4**	**F904_1112 P90 BX90S4**	441
1.4	7047	1.1	1058.1	45000	**F804_1058 S3 ME3SA4**	**F804_1058 S3 MX3SA4**	437	**F804_1058 P90 BE90S4**	**F804_1058 P90 BX90S4**	438
1.5	6567	2.1	986.0	55000	**F904_986.0 S3 ME3SA4**	**F904_986.0 S3 MX3SA4**	440	**F904_986.0 P90 BE90S4**	**F904_986.0 P90 BX90S4**	441
1.5	6474	1.2	972.0	45000	**F804_972.0 S3 ME3SA4**	**F804_972.0 S3 MX3SA4**	437	**F804_972.0 P90 BE90S4**	**F804_972.0 P90 BX90S4**	438
1.6	6062	2.3	910.2	55000	**F904_910.2 S3 ME3SA4**	**F904_910.2 S3 MX3SA4**	440	**F904_910.2 P90 BE90S4**	**F904_910.2 P90 BX90S4**	441
1.6	5976	1.3	897.3	45000	**F804_897.3 S3 ME3SA4**	**F804_897.3 S3 MX3SA4**	437	**F804_897.3 P90 BE90S4**	**F804_897.3 P90 BX90S4**	438
1.7	5476	0.9	822.2	35000	**F704_822.2 S3 ME3SA4**	**F704_822.2 S3 MX3SA4**	434	**F704_822.2 P90 BE90S4**	**F704_822.2 P90 BX90S4**	435
1.8	5158	1.6	774.4	45000	**F804_774.4 S3 ME3SA4**	**F804_774.4 S3 MX3SA4**	437	**F804_774.4 P90 BE90S4**	**F804_774.4 P90 BX90S4**	438
1.8	5151	2.7	773.4	55000	**F904_773.4 S3 ME3SA4**	**F904_773.4 S3 MX3SA4**	440	**F904_773.4 P90 BE90S4**	**F904_773.4 P90 BX90S4**	441
1.9	5055	1.0	759.0	35000	**F704_759.0 S3 ME3SA4**	**F704_759.0 S3 MX3SA4**	434	**F704_759.0 P90 BE90S4**	**F704_759.0 P90 BX90S4**	435
1.9	4893	1.6	489.1	45000	**F804_489.1 S3 ME3LA6**		437	**F804_489.1 P100 BE100M6**		438
2.0	4761	1.7	714.9	45000	**F804_714.9 S3 ME3SA4**	**F804_714.9 S3 MX3SA4**	437	**F804_714.9 P90 BE90S4**	**F804_714.9 P90 BX90S4**	438
2.0	4755	2.9	714.0	55000	**F904_714.0 S3 ME3SA4**	**F904_714.0 S3 MX3SA4**	440	**F904_714.0 P90 BE90S4**	**F904_714.0 P90 BX90S4**	441
2.1	4517	1.8	451.5	45000	**F804_451.5 S3 ME3LA6**		437	**F804_451.5 P100 BE100M6**		438
2.2	4378	1.1	657.4	35000	**F704_657.4 S3 ME3SA4**	**F704_657.4 S3 MX3SA4**	434	**F704_657.4 P90 BE90S4**	**F704_657.4 P90 BX90S4**	435
2.3	4167	3.4	625.6	55000	**F904_625.6 S3 ME3SA4**	**F904_625.6 S3 MX3SA4**	440	**F904_625.6 P90 BE90S4**	**F904_625.6 P90 BX90S4**	441
2.3	4068	2.0	610.9	45000	**F804_610.9 S3 ME3SA4**	**F804_610.9 S3 MX3SA4**	437	**F804_610.9 P90 BE90S4**	**F804_610.9 P90 BX90S4**	438
2.4	4042	1.2	606.8	35000	**F704_606.8 S3 ME3SA4**	**F704_606.8 S3 MX3SA4**	434	**F704_606.8 P90 BE90S4**	**F704_606.8 P90 BX90S4**	435
2.5	3846	3.6	577.5	55000	**F904_577.5 S3 ME3SA4**	**F904_577.5 S3 MX3SA4**	440	**F904_577.5 P90 BE90S4**	**F904_577.5 P90 BX90S4**	441
2.5	3755	2.1	563.9	45000	**F804_563.9 S3 ME3SA4**	**F804_563.9 S3 MX3SA4**	437	**F804_563.9 P90 BE90S4**	**F804_563.9 P90 BX90S4**	438
2.8	3399	1.5	510.4	35000	**F704_510.4 S3 ME3SA4**	**F704_510.4 S3 MX3SA4**	434	**F704_510.4 P90 BE90S4**	**F704_510.4 P90 BX90S4**	435
2.9	3262	0.9	489.8	20000	**F604_489.8 S3 ME3SA4**	**F604_489.8 S3 MX3SA4**	430	**F604_489.8 P90 BE90S4**	**F604_489.8 P90 BX90S4**	431
2.9	3258	2.5	489.1	45000	**F804_489.1 S3 ME3SA4**	**F804_489.1 S3 MX3SA4**	437	**F804_489.1 P90 BE90S4**	**F804_489.1 P90 BX90S4**	438
3.0	3138	1.6	471.2	35000	**F704_471.2 S3 ME3SA4**	**F704_471.2 S3 MX3SA4**	434	**F704_471.2 P90 BE90S4**	**F704_471.2 P90 BX90S4**	435
3.2	3007	2.7	451.5	45000	**F804_451.5 S3 ME3SA4**	**F804_451.5 S3 MX3SA4**	437	**F804_451.5 P90 BE90S4**	**F804_451.5 P90 BX90S4**	438
3.3	2881	1.0	432.6	20000	**F604_432.6 S3 ME3SA4**	**F604_432.6 S3 MX3SA4**	430	**F604_432.6 P90 BE90S4**	**F604_432.6 P90 BX90S4**	431
3.5	2687	1.9	403.5	35000	**F704_403.5 S3 ME3SA4**	**F704_403.5 S3 MX3SA4**	434	**F704_403.5 P90 BE90S4**	**F704_403.5 P90 BX90S4**	435
3.6	2660	1.1	399.3	20000	**F604_399.3 S3 ME3SA4**	**F604_399.3 S3 MX3SA4**	430	**F604_399.3 P90 BE90S4**	**F604_399.3 P90 BX90S4**	431
3.7	2552	3.1	383.2	45000	**F804_383.2 S3 ME3SA4**	**F804_383.2 S3 MX3SA4**	437	**F804_383.2 P90 BE90S4**	**F804_383.2 P90 BX90S4**	438
3.8	2481	2.0	372.5	35000	**F704_372.5 S3 ME3SA4**	**F704_372.5 S3 MX3SA4**	434	**F704_372.5 P90 BE90S4**	**F704_372.5 P90 BX90S4**	435
4.0	2356	3.4	353.7	45000	**F804_353.7 S3 ME3SA4**	**F804_353.7 S3 MX3SA4**	437	**F804_353.7 P90 BE90S4**	**F804_353.7 P90 BX90S4**	438
4.2	2276	1.3	341.7	20000	**F604_341.7 S3 ME3SA4**	**F604_341.7 S3 MX3SA4**	430	**F604_341.7 P90 BE90S4**	**F604_341.7 P90 BX90S4**	431
4.5	2100	1.4	315.4	20000	**F604_315.4 S3 ME3SA4**	**F604_315.4 S3 MX3SA4**	430	**F604_315.4 P90 BE90S4**	**F604_315.4 P90 BX90S4**	431
4.7	2027	2.5	304.3	35000	**F704_304.3 S3 ME3SA4**	**F704_304.3 S3 MX3SA4**	434	**F704_304.3 P90 BE90S4**	**F704_304.3 P90 BX90S4**	435
5.0	1968	0.9	285.9	12000	**F513_285.9 S3 ME3SA4**	**F513_285.9 S3 MX3SA4**	426	**F513_285.9 P90 BE90S4**	**F513_285.9 P90 BX90S4**	427
5.1	1871	2.7	280.9	35000	**F704_280.9 S3 ME3SA4**	**F704_280.9 S3 MX3SA4**	434	**F704_280.9 P90 BE90S4**	**F704_280.9 P90 BX90S4**	435
5.1	1932	1.5	280.7	20000	**F603_280.7 S3 ME3SA4**	**F603_280.7 S3 MX3SA4**	430	**F603_280.7 P90 BE90S4**	**F603_280.7 P90 BX90S4**	431
5.5	1804	1.0	262.1	12000	**F513_262.1 S3 ME3SA4**	**F513_262.1 S3 MX3SA4**	426	**F513_262.1 P90 BE90S4**	**F513_262.1 P90 BX90S4**	427
5.5	1783	1.6	259.1	20000	**F603_259.1 S3 ME3SA4**	**F603_259.1 S3 MX3SA4**	430	**F603_259.1 P90 BE90S4**	**F603_259.1 P90 BX90S4**	431
6.0	1651	1.1	239.8	12000	**F513_239.8 S3 ME3SA4**	**F513_239.8 S3 MX3SA4**	426	**F513_239.8 P90 BE90S4**	**F513_239.8 P90 BX90S4**	427
6.1	1623	1.8	235.8	20000	**F603_235.8 S3 ME3SA4**	**F603_235.8 S3 MX3SA4**	430	**F603_235.8 P90 BE90S4**	**F603_235.8 P90 BX90S4**	431
6.1	1562	3.2	234.6	35000	**F704_234.6 S3 ME3SA4**	**F704_234.6 S3 MX3SA4**	434	**F704_234.6 P90 BE90S4**	**F704_234.6 P90 BX90S4**	435
6.6	1498	1.9	217.6	20000	**F603_217.6 S3 ME3SA4**	**F603_217.6 S3 MX3SA4**	430	**F603_217.6 P90 BE90S4**	**F603_217.6 P90 BX90S4**	431
6.6	1492	1.2	216.9	12000	**F513_216.9 S3 ME3SA4**	**F513_216.9 S3 MX3SA4**	426	**F513_216.9 P90 BE90S4**	**F513_216.9 P90 BX90S4**	427
6.6	1442	3.5	216.5	35000	**F704_216.5 S3 ME3SA4**	**F704_216.5 S3 MX3SA4**	434	**F704_216.5 P90 BE90S4**	**F704_216.5 P90 BX90S4**	435
7.1	1393	1.3	202.4	12000	**F513_202.4 S3 ME3SA4**	**F513_202.4 S3 MX3SA4**	426	**F513_202.4 P90 BE90S4**	**F513_202.4 P90 BX90S4**	427



1.1 kW

n_2	M_2	S	i	R_{n2}						
min-1	Nm			N	IE2	IE3		IE2	IE3	
7.1	1386	2.1	201.4	20000	**F603_201.4 S3 ME3SA4**	**F603_201.4 S3 MX3SA4**	430	**F603_201.4 P90 BE90S4**	**F603_201.4 P90 BX90S4**	431
7.7	1279	2.3	185.9	20000	**F603_185.9 S3 ME3SA4**	**F603_185.9 S3 MX3SA4**	430	**F603_185.9 P90 BE90S4**	**F603_185.9 P90 BX90S4**	431
7.9	1244	0.9	180.7	8500	**F413_180.7 S3 ME3SA4**	**F413_180.7 S3 MX3SA4**	422	**F413_180.7 P90 BE90S4**	**F413_180.7 P90 BX90S4**	423
8.5	1161	0.9	168.7	8500	**F413_168.7 S3 ME3SA4**	**F413_168.7 S3 MX3SA4**	422	**F413_168.7 P90 BE90S4**	**F413_168.7 P90 BX90S4**	423
8.6	1140	1.6	165.6	12000	**F513_165.6 S3 ME3SA4**	**F513_165.6 S3 MX3SA4**	426	**F513_165.6 P90 BE90S4**	**F513_165.6 P90 BX90S4**	427
8.8	1121	2.6	162.9	20000	**F603_162.9 S3 ME3SA4**	**F603_162.9 S3 MX3SA4**	430	**F603_162.9 P90 BE90S4**	**F603_162.9 P90 BX90S4**	431
9.5	1035	2.8	150.4	20000	**F603_150.4 S3 ME3SA4**	**F603_150.4 S3 MX3SA4**	430	**F603_150.4 P90 BE90S4**	**F603_150.4 P90 BX90S4**	431
10.6	925	1.2	134.4	8500	**F413_134.4 S3 ME3SA4**	**F413_134.4 S3 MX3SA4**	422	**F413_134.4 P90 BE90S4**	**F413_134.4 P90 BX90S4**	423
11.0	894	2.0	129.9	12000	**F513_129.9 S3 ME3SA4**	**F513_129.9 S3 MX3SA4**	426	**F513_129.9 P90 BE90S4**	**F513_129.9 P90 BX90S4**	427
13.5	730	1.5	106.0	8500	**F413_106.0 S3 ME3SA4**	**F413_106.0 S3 MX3SA4**	422	**F413_106.0 P90 BE90S4**	**F413_106.0 P90 BX90S4**	423
13.6	723	2.5	105.1	12000	**F513_105.1 S3 ME3SA4**	**F513_105.1 S3 MX3SA4**	426	**F513_105.1 P90 BE90S4**	**F513_105.1 P90 BX90S4**	427
16.4	601	1.0	87.4	6500	**F313_87.4 S3 ME3SA4**	**F313_87.4 S3 MX3SA4**	418	**F313_87.4 P90 BE90S4**	**F313_87.4 P90 BX90S4**	419
16.8	584	1.9	84.9	8500	**F413_84.9 S3 ME3SA4**	**F413_84.9 S3 MX3SA4**	422	**F413_84.9 P90 BE90S4**	**F413_84.9 P90 BX90S4**	423
17.2	573	3.1	83.2	12000	**F513_83.2 S3 ME3SA4**	**F513_83.2 S3 MX3SA4**	426	**F513_83.2 P90 BE90S4**	**F513_83.2 P90 BX90S4**	427
18.1	543	1.1	78.9	6500	**F313_78.9 S3 ME3SA4**	**F313_78.9 S3 MX3SA4**	418	**F313_78.9 P90 BE90S4**	**F313_78.9 P90 BX90S4**	419
20.7	475	1.3	69.1	6500	**F313_69.1 S3 ME3SA4**	**F313_69.1 S3 MX3SA4**	418	**F313_69.1 P90 BE90S4**	**F313_69.1 P90 BX90S4**	419
21.5	458	2.4	66.5	8500	**F413_66.5 S3 ME3SA4**	**F413_66.5 S3 MX3SA4**	422	**F413_66.5 P90 BE90S4**	**F413_66.5 P90 BX90S4**	423
21.9	450	0.9	65.3	4610	**F253_65.3 S3 ME3SA4**	**F253_65.3 S3 MX3SA4**	414	**F253_65.3 P90 BE90S4**	**F253_65.3 P90 BX90S4**	415
22.8	432	1.4	62.8	6500	**F313_62.8 S3 ME3SA4**	**F313_62.8 S3 MX3SA4**	418	**F313_62.8 P90 BE90S4**	**F313_62.8 P90 BX90S4**	419
23.7	415	2.7	60.2	8500	**F413_60.2 S3 ME3SA4**	**F413_60.2 S3 MX3SA4**	422	**F413_60.2 P90 BE90S4**	**F413_60.2 P90 BX90S4**	423
24.5	401	1.0	58.3	4500	**F253_58.3 S3 ME3SA4**	**F253_58.3 S3 MX3SA4**	414	**F253_58.3 P90 BE90S4**	**F253_58.3 P90 BX90S4**	415
27.5	359	1.7	52.1	6500	**F313_52.1 S3 ME3SA4**	**F313_52.1 S3 MX3SA4**	418	**F313_52.1 P90 BE90S4**	**F313_52.1 P90 BX90S4**	419
27.8	354	3.1	51.5	8500	**F413_51.5 S3 ME3SA4**	**F413_51.5 S3 MX3SA4**	422	**F413_51.5 P90 BE90S4**	**F413_51.5 P90 BX90S4**	423
28.2	350	1.1	50.8	4450	**F253_50.8 S3 ME3SA4**	**F253_50.8 S3 MX3SA4**	414	**F253_50.8 P90 BE90S4**	**F253_50.8 P90 BX90S4**	415
29.8	337	3.2	47.9	8500	**F412_47.9 S3 ME3SA4**	**F412_47.9 S3 MX3SA4**	422	**F412_47.9 P90 BE90S4**	**F412_47.9 P90 BX90S4**	423
30	327	1.8	47.5	6500	**F313_47.5 S3 ME3SA4**	**F313_47.5 S3 MX3SA4**	418	**F313_47.5 P90 BE90S4**	**F313_47.5 P90 BX90S4**	419
31	314	1.3	45.6	4400	**F253_45.6 S3 ME3SA4**	**F253_45.6 S3 MX3SA4**	414	**F253_45.6 P90 BE90S4**	**F253_45.6 P90 BX90S4**	415
32	314	1.9	44.6	6500	**F312_44.6 S3 ME3SA4**	**F312_44.6 S3 MX3SA4**	418	**F312_44.6 P90 BE90S4**	**F312_44.6 P90 BX90S4**	419
32	312	1.2	44.4	4470	**F252_44.4 S3 ME3SA4**	**F252_44.4 S3 MX3SA4**	414	**F252_44.4 P90 BE90S4**	**F252_44.4 P90 BX90S4**	415
35	286	1.3	40.7	4410	**F252_40.7 S3 ME3SA4**	**F252_40.7 S3 MX3SA4**	414	**F252_40.7 P90 BE90S4**	**F252_40.7 P90 BX90S4**	415
35	284	2.1	40.4	6500	**F312_40.4 S3 ME3SA4**	**F312_40.4 S3 MX3SA4**	418	**F312_40.4 P90 BE90S4**	**F312_40.4 P90 BX90S4**	419
38	266	0.9	37.9	3050	**F202_37.9 S3 ME3SA4**	**F202_37.9 S3 MX3SA4**	410	**F202_37.9 P90 BE90S4**	**F202_37.9 P90 BX90S4**	411
38	265	2.3	37.7	6500	**F312_37.7 S3 ME3SA4**	**F312_37.7 S3 MX3SA4**	418	**F312_37.7 P90 BE90S4**	**F312_37.7 P90 BX90S4**	419
39	256	1.6	36.4	4330	**F252_36.4 S3 ME3SA4**	**F252_36.4 S3 MX3SA4**	414	**F252_36.4 P90 BE90S4**	**F252_36.4 P90 BX90S4**	415
42	242	2.5	34.4	6500	**F312_34.4 S3 ME3SA4**	**F312_34.4 S3 MX3SA4**	418	**F312_34.4 P90 BE90S4**	**F312_34.4 P90 BX90S4**	419
43	233	1.1	33.1	2980	**F202_33.1 S3 ME3SA4**	**F202_33.1 S3 MX3SA4**	410	**F202_33.1 P90 BE90S4**	**F202_33.1 P90 BX90S4**	411
44	226	1.8	32.2	4240	**F252_32.2 S3 ME3SA4**	**F252_32.2 S3 MX3SA4**	414	**F252_32.2 P90 BE90S4**	**F252_32.2 P90 BX90S4**	415
47	214	1.2	30.4	2930	**F202_30.4 S3 ME3SA4**	**F202_30.4 S3 MX3SA4**	410	**F202_30.4 P90 BE90S4**	**F202_30.4 P90 BX90S4**	411
47	212	2.8	30.1	6500	**F312_30.1 S3 ME3SA4**	**F312_30.1 S3 MX3SA4**	418	**F312_30.1 P90 BE90S4**	**F312_30.1 P90 BX90S4**	419
48	211	1.9	30.0	4190	**F252_30.0 S3 ME3SA4**	**F252_30.0 S3 MX3SA4**	414	**F252_30.0 P90 BE90S4**	**F252_30.0 P90 BX90S4**	415
52	192	3.1	27.3	6500	**F312_27.3 S3 ME3SA4**	**F312_27.3 S3 MX3SA4**	418	**F312_27.3 P90 BE90S4**	**F312_27.3 P90 BX90S4**	419
53	191	2.1	27.2	4100	**F252_27.2 S3 ME3SA4**	**F252_27.2 S3 MX3SA4**	414	**F252_27.2 P90 BE90S4**	**F252_27.2 P90 BX90S4**	415
55	182	1.3	25.9	2840	**F202_25.9 S3 ME3SA4**	**F202_25.9 S3 MX3SA4**	410	**F202_25.9 P90 BE90S4**	**F202_25.9 P90 BX90S4**	411
60	167	2.4	23.8	3990	**F252_23.8 S3 ME3SA4**	**F252_23.8 S3 MX3SA4**	414	**F252_23.8 P90 BE90S4**	**F252_23.8 P90 BX90S4**	415
62	163	1.4	23.1	2780	**F202_23.1 S3 ME3SA4**	**F202_23.1 S3 MX3SA4**	410	**F202_23.1 P90 BE90S4**	**F202_23.1 P90 BX90S4**	411
66	153	2.6	21.8	3920	**F252_21.8 S3 ME3SA4**	**F252_21.8 S3 MX3SA4**	414	**F252_21.8 P90 BE90S4**	**F252_21.8 P90 BX90S4**	415
71	142	1.6	20.2	2690	**F202_20.2 S3 ME3SA4**	**F202_20.2 S3 MX3SA4**	410	**F202_20.2 P90 BE90S4**	**F202_20.2 P90 BX90S4**	411
74	136	1.0	19.3	2170	**F102_19.3 S3 ME3SA4**	**F102_19.3 S3 MX3SA4**	406	**F102_19.3 P90 BE90S4**	**F102_19.3 P90 BX90S4**	407
77	131	3.1	18.6	3780	**F252_18.6 S3 ME3SA4**	**F252_18.6 S3 MX3SA4**	414	**F252_18.6 P90 BE90S4**	**F252_18.6 P90 BX90S4**	415
79	127	1.7	18.1	2620	**F202_18.1 S3 ME3SA4**	**F202_18.1 S3 MX3SA4**	410	**F202_18.1 P90 BE90S4**	**F202_18.1 P90 BX90S4**	411
84	119	1.1	17.0	2110	**F102_17.0 S3 ME3SA4**	**F102_17.0 S3 MX3SA4**	406	**F102_17.0 P90 BE90S4**	**F102_17.0 P90 BX90S4**	407
86	117	3.4	16.6	3670	**F252_16.6 S3 ME3SA4**	**F252_16.6 S3 MX3SA4**	414	**F252_16.6 P90 BE90S4**	**F252_16.6 P90 BX90S4**	415
97	104	2.0	14.8	2500	**F202_14.8 S3 ME3SA4**	**F202_14.8 S3 MX3SA4**	410	**F202_14.8 P90 BE90S4**	**F202_14.8 P90 BX90S4**	411
98	103	1.2	14.6	2050	**F102_14.6 S3 ME3SA4**	**F102_14.6 S3 MX3SA4**	406	**F102_14.6 P90 BE90S4**	**F102_14.6 P90 BX90S4**	407
110	92	1.1	13.0	1980	**F102_13.0 S3 ME3SA4**	**F102_13.0 S3 MX3SA4**	406	**F102_13.0 P90 BE90S4**	**F102_13.0 P90 BX90S4**	407
124	81	1.2	11.5	1920	**F102_11.5 S3 ME3SA4**	**F102_11.5 S3 MX3SA4**	406	**F102_11.5 P90 BE90S4**	**F102_11.5 P90 BX90S4**	407
127	79	2.2	11.2	2310	**F202_11.2 S3 ME3SA4**	**F202_11.2 S3 MX3SA4**	410	**F202_11.2 P90 BE90S4**	**F202_11.2 P90 BX90S4**	411

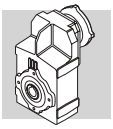


1.1 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE2	IE3		IE2	IE3	
143	71	2.3	10.0	2200	**F202_10.0 S3 ME3SA4**	**F202_10.0 S3 MX3SA4**	410	**F202_10.0 P90 BE90S4**	**F202_10.0 P90 BX90S4**	411
146	69	1.3	9.8	1840	**F102_9.8 S3 ME3SA4**	**F102_9.8 S3 MX3SA4**	406	**F102_9.8 P90 BE90S4**	**F102_9.8 P90 BX90S4**	407
164	61	2.5	8.7	2160	**F202_8.7 S3 ME3SA4**	**F202_8.7 S3 MX3SA4**	410	**F202_8.7 P90 BE90S4**	**F202_8.7 P90 BX90S4**	411
167	60	1.4	8.6	1780	**F102_8.6 S3 ME3SA4**	**F102_8.6 S3 MX3SA4**	406	**F102_8.6 P90 BE90S4**	**F102_8.6 P90 BX90S4**	407
183	55	2.6	7.8	2100	**F202_7.8 S3 ME3SA4**	**F202_7.8 S3 MX3SA4**	410	**F202_7.8 P90 BE90S4**	**F202_7.8 P90 BX90S4**	411
193	52	1.5	7.4	1720	**F102_7.4 S3 ME3SA4**	**F102_7.4 S3 MX3SA4**	406	**F102_7.4 P90 BE90S4**	**F102_7.4 P90 BX90S4**	407
223	45	2.9	6.4	1980	**F202_6.4 S3 ME3SA4**	**F202_6.4 S3 MX3SA4**	410	**F202_6.4 P90 BE90S4**	**F202_6.4 P90 BX90S4**	411
245	41	1.9	11.5	1600	**F102_11.5S2ME2SB2**		406	**F102_11.5 P80 BE80B2**		407
252	40	3.6	11.2	1910	**F202_11.2S2ME2SB2**		410	**F202_11.2 P80 BE80B2**		411
290	34	2.1	9.8	1530	**F102_9.8S2ME2SB2**		406	**F102_9.8 P80 BE80B2**		407
330	30	2.2	8.6	1480	**F102_8.6S2ME2SB2**		406	**F102_8.6 P80 BE80B2**		407
382	26	2.4	7.4	1410	**F102_7.4S2ME2SB2**		406	**F102_7.4 P80 BE80B2**		407

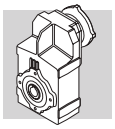
1.5 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE2	IE3		IE2	IE3	
0.8	15321	0.9	1702.3	55000	**F904_1702 S3 ME3SB4**	**F904_1702 S3 MX3SB4**	440	**F904_1702 P90 BE90LA4**	**F904_1702 P90 BX90LA4**	441
0.9	14142	1.0	1571.4	55000	**F904_1571 S3 ME3SB4**	**F904_1571 S3 MX3SB4**	440	**F904_1571 P90 BE90LA4**	**F904_1571 P90 BX90LA4**	441
1.0	12851	1.1	1427.9	55000	**F904_1428 S3 ME3SB4**	**F904_1428 S3 MX3SB4**	440	**F904_1428 P90 BE90LA4**	**F904_1428 P90 BX90LA4**	441
1.1	11863	1.2	1318.1	55000	**F904_1318 S3 ME3SB4**	**F904_1318 S3 MX3SB4**	440	**F904_1318 P90 BE90LA4**	**F904_1318 P90 BX90LA4**	441
1.2	10845	1.3	1204.9	55000	**F904_1205 S3 ME3SB4**	**F904_1205 S3 MX3SB4**	440	**F904_1205 P90 BE90LA4**	**F904_1205 P90 BX90LA4**	441
1.3	10010	1.4	1112.3	55000	**F904_1112 S3 ME3SB4**	**F904_1112 S3 MX3SB4**	440	**F904_1112 P90 BE90LA4**	**F904_1112 P90 BX90LA4**	441
1.5	8874	1.6	986.0	55000	**F904_986.0 S3 ME3SB4**	**F904_986.0 S3 MX3SB4**	440	**F904_986.0 P90 BE90LA4**	**F904_986.0 P90 BX90LA4**	441
1.5	8748	0.9	972.0	45000	**F804_972.0 S3 ME3SB4**	**F804_972.0 S3 MX3SB4**	437	**F804_972.0 P90 BE90LA4**	**F804_972.0 P90 BX90LA4**	438
1.6	8192	1.7	910.2	55000	**F904_910.2 S3 ME3SB4**	**F904_910.2 S3 MX3SB4**	440	**F904_910.2 P90 BE90LA4**	**F904_910.2 P90 BX90LA4**	441
1.6	8075	1.0	897.3	45000	**F804_897.3 S3 ME3SB4**	**F804_897.3 S3 MX3SB4**	437	**F804_897.3 P90 BE90LA4**	**F804_897.3 P90 BX90LA4**	438
1.8	6970	1.1	774.4	45000	**F804_774.4 S3 ME3SB4**	**F804_774.4 S3 MX3SB4**	437	**F804_774.4 P90 BE90LA4**	**F804_774.4 P90 BX90LA4**	438
1.8	6961	2.0	773.4	55000	**F904_773.4 S3 ME3SB4**	**F904_773.4 S3 MX3SB4**	440	**F904_773.4 P90 BE90LA4**	**F904_773.4 P90 BX90LA4**	441
2.0	6434	1.2	714.9	45000	**F804_714.9 S3 ME3SB4**	**F804_714.9 S3 MX3SB4**	437	**F804_714.9 P90 BE90LA4**	**F804_714.9 P90 BX90LA4**	438
2.0	6426	2.2	714.0	55000	**F904_714.0 S3 ME3SB4**	**F904_714.0 S3 MX3SB4**	440	**F904_714.0 P90 BE90LA4**	**F904_714.0 P90 BX90LA4**	441
2.3	5631	2.5	625.6	55000	**F904_625.6 S3 ME3SB4**	**F904_625.6 S3 MX3SB4**	440	**F904_625.6 P90 BE90LA4**	**F904_625.6 P90 BX90LA4**	441
2.3	5498	1.5	610.9	45000	**F804_610.9 S3 ME3SB4**	**F804_610.9 S3 MX3SB4**	437	**F804_610.9 P90 BE90LA4**	**F804_610.9 P90 BX90LA4**	438
2.4	5462	0.9	606.8	35000	**F704_606.8 S3 ME3SB4**	**F704_606.8 S3 MX3SB4**	434	**F704_606.8 P90 BE90LA4**	**F704_606.8 P90 BX90LA4**	435
2.5	5197	2.7	577.5	55000	**F904_577.5 S3 ME3SB4**	**F904_577.5 S3 MX3SB4**	440	**F904_577.5 P90 BE90LA4**	**F904_577.5 P90 BX90LA4**	441
2.5	5075	1.6	563.9	45000	**F804_563.9 S3 ME3SB4**	**F804_563.9 S3 MX3SB4**	437	**F804_563.9 P90 BE90LA4**	**F804_563.9 P90 BX90LA4**	438
2.8	4594	1.1	510.4	35000	**F704_510.4 S3 ME3SB4**	**F704_510.4 S3 MX3SB4**	434	**F704_510.4 P90 BE90LA4**	**F704_510.4 P90 BX90LA4**	435
2.9	4460	3.1	495.6	55000	**F904_495.6 S3 ME3SB4**	**F904_495.6 S3 MX3SB4**	440	**F904_495.6 P90 BE90LA4**	**F904_495.6 P90 BX90LA4**	441
2.9	4402	1.8	489.1	45000	**F804_489.1 S3 ME3SB4**	**F804_489.1 S3 MX3SB4**	437	**F804_489.1 P90 BE90LA4**	**F804_489.1 P90 BX90LA4**	438
3.0	4240	1.2	471.2	35000	**F704_471.2 S3 ME3SB4**	**F704_471.2 S3 MX3SB4**	434	**F704_471.2 P90 BE90LA4**	**F704_471.2 P90 BX90LA4**	435
3.1	4117	3.4	457.5	55000	**F904_457.5 S3 ME3SB4**	**F904_457.5 S3 MX3SB4**	440	**F904_457.5 P90 BE90LA4**	**F904_457.5 P90 BX90LA4**	441
3.2	4063	2.0	451.5	45000	**F804_451.5 S3 ME3SB4**	**F804_451.5 S3 MX3SB4**	437	**F804_451.5 P90 BE90LA4**	**F804_451.5 P90 BX90LA4**	438
3.5	3632	1.4	403.5	35000	**F704_403.5 S3 ME3SB4**	**F704_403.5 S3 MX3SB4**	434	**F704_403.5 P90 BE90LA4**	**F704_403.5 P90 BX90LA4**	435
3.7	3448	2.3	383.2	45000	**F804_383.2 S3 ME3SB4**	**F804_383.2 S3 MX3SB4**	437	**F804_383.2 P90 BE90LA4**	**F804_383.2 P90 BX90LA4**	438
3.8	3352	1.5	372.5	35000	**F704_372.5 S3 ME3SB4**	**F704_372.5 S3 MX3SB4**	434	**F704_372.5 P90 BE90LA4**	**F704_372.5 P90 BX90LA4**	435
4.0	3183	2.5	353.7	45000	**F804_353.7 S3 ME3SB4**	**F804_353.7 S3 MX3SB4**	437	**F804_353.7 P90 BE90LA4**	**F804_353.7 P90 BX90LA4**	438
4.2	3075	0.9	341.7	20000	**F604_341.7 S3 ME3SB4**	**F604_341.7 S3 MX3SB4**	430	**F604_341.7 P90 BE90LA4**	**F604_341.7 P90 BX90LA4**	431
4.5	2839	1.0	315.4	20000	**F604_315.4 S3 ME3SB4**	**F604_315.4 S3 MX3SB4**	430	**F604_315.4 P90 BE90LA4**	**F604_315.4 P90 BX90LA4**	431
4.7	2739	1.8	304.3	35000	**F704_304.3 S3 ME3SB4**	**F704_304.3 S3 MX3SB4**	434	**F704_304.3 P90 BE90LA4**	**F704_304.3 P90 BX90LA4**	435
4.8	2670	3.0	296.7	45000	**F804_296.7 S3 ME3SB4**	**F804_296.7 S3 MX3SB4**	437	**F804_296.7 P90 BE90LA4**	**F804_296.7 P90 BX90LA4**	438
5.1	2528	2.0	280.9	35000	**F704_280.9 S3 ME3SB4**	**F704_280.9 S3 MX3SB4**	434	**F704_280.9 P90 BE90LA4**	**F704_280.9 P90 BX90LA4**	435
5.1	2610	1.1	280.7	20000	**F603_280.7 S3 ME3SB4**	**F603_280.7 S3 MX3SB4**	430	**F603_280.7 P90 BE90LA4**	**F603_280.7 P90 BX90LA4**	431
5.2	2465	3.2	273.9	45000	**F804_273.9 S3 ME3SB4**	**F804_273.9 S3 MX3SB4**	437	**F804_273.9 P90 BE90LA4**	**F804_273.9 P90 BX90LA4**	438
5.5	2409	1.2	259.1	20000	**F603_259.1 S3 ME3SB4**	**F603_259.1 S3 MX3SB4**	430	**F603_259.1 P90 BE90LA4**	**F603_259.1 P90 BX90LA4**	431



1.5 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE2	IE3		IE2	IE3	
6.1	2193	1.3	235.8	20000	**F603_235.8 S3 ME3SB4**	**F603_235.8 S3 MX3SB4**	430	**F603_235.8 P90 BE90LA4**	**F603_235.8 P90 BX90LA4**	431
6.1	2111	2.4	234.6	35000	**F704_234.6 S3 ME3SB4**	**F704_234.6 S3 MX3SB4**	434	**F704_234.6 P90 BE90LA4**	**F704_234.6 P90 BX90LA4**	435
6.6	2024	1.4	217.6	20000	**F603_217.6 S3 ME3SB4**	**F603_217.6 S3 MX3SB4**	430	**F603_217.6 P90 BE90LA4**	**F603_217.6 P90 BX90LA4**	431
6.6	1949	2.6	216.5	35000	**F704_216.5 S3 ME3SB4**	**F704_216.5 S3 MX3SB4**	434	**F704_216.5 P90 BE90LA4**	**F704_216.5 P90 BX90LA4**	435
7.1	1882	1.0	202.4	12000	**F513_202.4 S3 ME3SB4**	**F513_202.4 S3 MX3SB4**	426	**F513_202.4 P90 BE90LA4**	**F513_202.4 P90 BX90LA4**	427
7.1	1873	1.5	201.4	20000	**F603_201.4 S3 ME3SB4**	**F603_201.4 S3 MX3SB4**	430	**F603_201.4 P90 BE90LA4**	**F603_201.4 P90 BX90LA4**	431
7.3	1823	2.7	196.0	35000	**F703_196.0 S3 ME3SB4**	**F703_196.0 S3 MX3SB4**	434	**F703_196.0 P90 BE90LA4**	**F703_196.0 P90 BX90LA4**	435
7.7	1729	1.7	185.9	20000	**F603_185.9 S3 ME3SB4**	**F603_185.9 S3 MX3SB4**	430	**F603_185.9 P90 BE90LA4**	**F603_185.9 P90 BX90LA4**	431
7.9	1683	3.0	180.9	35000	**F703_180.9 S3 ME3SB4**	**F703_180.9 S3 MX3SB4**	434	**F703_180.9 P90 BE90LA4**	**F703_180.9 P90 BX90LA4**	435
8.6	1550	3.2	166.7	35000	**F703_166.7 S3 ME3SB4**	**F703_166.7 S3 MX3SB4**	434	**F703_166.7 P90 BE90LA4**	**F703_166.7 P90 BX90LA4**	435
8.6	1540	1.2	165.6	12000	**F513_165.6 S3 ME3SB4**	**F513_165.6 S3 MX3SB4**	426	**F513_165.6 P90 BE90LA4**	**F513_165.6 P90 BX90LA4**	427
8.8	1515	1.9	162.9	20000	**F603_162.9 S3 ME3SB4**	**F603_162.9 S3 MX3SB4**	430	**F603_162.9 P90 BE90LA4**	**F603_162.9 P90 BX90LA4**	431
9.3	1431	3.5	153.8	35000	**F703_153.8 S3 ME3SB4**	**F703_153.8 S3 MX3SB4**	434	**F703_153.8 P90 BE90LA4**	**F703_153.8 P90 BX90LA4**	435
9.5	1398	2.1	150.4	20000	**F603_150.4 S3 ME3SB4**	**F603_150.4 S3 MX3SB4**	430	**F603_150.4 P90 BE90LA4**	**F603_150.4 P90 BX90LA4**	431
10.6	1250	0.9	134.4	8500	**F413_134.4 S3 ME3SB4**	**F413_134.4 S3 MX3SB4**	422	**F413_134.4 P90 BE90LA4**	**F413_134.4 P90 BX90LA4**	423
11.0	1214	2.4	130.5	20000	**F603_130.5 S3 ME3SB4**	**F603_130.5 S3 MX3SB4**	430	**F603_130.5 P90 BE90LA4**	**F603_130.5 P90 BX90LA4**	431
11.0	1208	1.5	129.9	12000	**F513_129.9 S3 ME3SB4**	**F513_129.9 S3 MX3SB4**	426	**F513_129.9 P90 BE90LA4**	**F513_129.9 P90 BX90LA4**	427
11.9	1120	2.6	120.5	20000	**F603_120.5 S3 ME3SB4**	**F603_120.5 S3 MX3SB4**	430	**F603_120.5 P90 BE90LA4**	**F603_120.5 P90 BX90LA4**	431
13.4	989	2.9	106.4	20000	**F603_106.4 S3 ME3SB4**	**F603_106.4 S3 MX3SB4**	430	**F603_106.4 P90 BE90LA4**	**F603_106.4 P90 BX90LA4**	431
13.5	986	1.1	106.0	8500	**F413_106.0 S3 ME3SB4**	**F413_106.0 S3 MX3SB4**	422	**F413_106.0 P90 BE90LA4**	**F413_106.0 P90 BX90LA4**	423
13.6	977	1.8	105.1	12000	**F513_105.1 S3 ME3SB4**	**F513_105.1 S3 MX3SB4**	426	**F513_105.1 P90 BE90LA4**	**F513_105.1 P90 BX90LA4**	427
14.6	913	3.2	98.2	20000	**F603_98.2 S3 ME3SB4**	**F603_98.2 S3 MX3SB4**	430	**F603_98.2 P90 BE90LA4**	**F603_98.2 P90 BX90LA4**	431
16.8	789	1.4	84.9	8500	**F413_84.9 S3 ME3SB4**	**F413_84.9 S3 MX3SB4**	422	**F413_84.9 P90 BE90LA4**	**F413_84.9 P90 BX90LA4**	423
17.2	774	2.3	83.2	12000	**F513_83.2 S3 ME3SB4**	**F513_83.2 S3 MX3SB4**	426	**F513_83.2 P90 BE90LA4**	**F513_83.2 P90 BX90LA4**	427
20.7	642	0.9	69.1	6500	**F313_69.1 S3 ME3SB4**	**F313_69.1 S3 MX3SB4**	418	**F313_69.1 P90 BE90LA4**	**F313_69.1 P90 BX90LA4**	419
21.5	618	1.8	66.5	8500	**F413_66.5 S3 ME3SB4**	**F413_66.5 S3 MX3SB4**	422	**F413_66.5 P90 BE90LA4**	**F413_66.5 P90 BX90LA4**	423
21.7	612	2.9	65.8	12000	**F513_65.8 S3 ME3SB4**	**F513_65.8 S3 MX3SB4**	426	**F513_65.8 P90 BE90LA4**	**F513_65.8 P90 BX90LA4**	427
22.8	584	1.0	62.8	6500	**F313_62.8 S3 ME3SB4**	**F313_62.8 S3 MX3SB4**	418	**F313_62.8 P90 BE90LA4**	**F313_62.8 P90 BX90LA4**	419
23.7	560	2.0	60.2	8500	**F413_60.2 S3 ME3SB4**	**F413_60.2 S3 MX3SB4**	422	**F413_60.2 P90 BE90LA4**	**F413_60.2 P90 BX90LA4**	423
27.5	484	1.2	52.1	6500	**F313_52.1 S3 ME3SB4**	**F313_52.1 S3 MX3SB4**	418	**F313_52.1 P90 BE90LA4**	**F313_52.1 P90 BX90LA4**	419
27.8	479	2.3	51.5	8500	**F413_51.5 S3 ME3SB4**	**F413_51.5 S3 MX3SB4**	422	**F413_51.5 P90 BE90LA4**	**F413_51.5 P90 BX90LA4**	423
29.8	455	2.4	47.9	8500	**F412_47.9 S3 ME3SB4**	**F412_47.9 S3 MX3SB4**	422	**F412_47.9 P90 BE90LA4**	**F412_47.9 P90 BX90LA4**	423
30	442	1.3	47.5	6500	**F313_47.5 S3 ME3SB4**	**F313_47.5 S3 MX3SB4**	418	**F313_47.5 P90 BE90LA4**	**F313_47.5 P90 BX90LA4**	419
31	424	0.9	45.6	3880	**F253_45.6 S3 ME3SB4**	**F253_45.6 S3 MX3SB4**	414	**F253_45.6 P90 BE90LA4**	**F253_45.6 P90 BX90LA4**	415
32	424	1.4	44.6	6500	**F312_44.6 S3 ME3SB4**	**F312_44.6 S3 MX3SB4**	418	**F312_44.6 P90 BE90LA4**	**F312_44.6 P90 BX90LA4**	419
32	422	0.9	44.4	4180	**F252_44.4 S3 ME3SB4**	**F252_44.4 S3 MX3SB4**	414	**F252_44.4 P90 BE90LA4**	**F252_44.4 P90 BX90LA4**	415
35	387	1.0	40.7	3970	**F252_40.7 S3 ME3SB4**	**F252_40.7 S3 MX3SB4**	414	**F252_40.7 P90 BE90LA4**	**F252_40.7 P90 BX90LA4**	415
35	383	1.6	40.4	6500	**F312_40.4 S3 ME3SB4**	**F312_40.4 S3 MX3SB4**	418	**F312_40.4 P90 BE90LA4**	**F312_40.4 P90 BX90LA4**	419
37	363	3.0	38.2	8500	**F412_38.2 S3 ME3SB4**	**F412_38.2 S3 MX3SB4**	422	**F412_38.2 P90 BE90LA4**	**F412_38.2 P90 BX90LA4**	423
38	358	1.7	37.7	6500	**F312_37.7 S3 ME3SB4**	**F312_37.7 S3 MX3SB4**	418	**F312_37.7 P90 BE90LA4**	**F312_37.7 P90 BX90LA4**	419
39	346	1.2	36.4	3940	**F252_36.4 S3 ME3SB4**	**F252_36.4 S3 MX3SB4**	414	**F252_36.4 P90 BE90LA4**	**F252_36.4 P90 BX90LA4**	415
42	326	1.8	34.4	6500	**F312_34.4 S3 ME3SB4**	**F312_34.4 S3 MX3SB4**	418	**F312_34.4 P90 BE90LA4**	**F312_34.4 P90 BX90LA4**	419
44	306	1.3	32.2	3890	**F252_32.2 S3 ME3SB4**	**F252_32.2 S3 MX3SB4**	414	**F252_32.2 P90 BE90LA4**	**F252_32.2 P90 BX90LA4**	415
47	286	2.1	30.1	6500	**F312_30.1 S3 ME3SB4**	**F312_30.1 S3 MX3SB4**	418	**F312_30.1 P90 BE90LA4**	**F312_30.1 P90 BX90LA4**	419
48	285	1.4	30.0	3860	**F252_30.0 S3 ME3SB4**	**F252_30.0 S3 MX3SB4**	414	**F252_30.0 P90 BE90LA4**	**F252_30.0 P90 BX90LA4**	415
52	259	2.3	27.3	6500	**F312_27.3 S3 ME3SB4**	**F312_27.3 S3 MX3SB4**	418	**F312_27.3 P90 BE90LA4**	**F312_27.3 P90 BX90LA4**	419
53	258	1.5	27.2	3810	**F252_27.2 S3 ME3SB4**	**F252_27.2 S3 MX3SB4**	414	**F252_27.2 P90 BE90LA4**	**F252_27.2 P90 BX90LA4**	415
55	246	1.0	25.9	2640	**F202_25.9 S3 ME3SB4**	**F202_25.9 S3 MX3SB4**	410	**F202_25.9 P90 BE90LA4**	**F202_25.9 P90 BX90LA4**	411
60	226	1.8	23.8	3730	**F252_23.8 S3 ME3SB4**	**F252_23.8 S3 MX3SB4**	414	**F252_23.8 P90 BE90LA4**	**F252_23.8 P90 BX90LA4**	415
61	222	2.7	23.4	6480	**F312_23.4 S3 ME3SB4**	**F312_23.4 S3 MX3SB4**	418	**F312_23.4 P90 BE90LA4**	**F312_23.4 P90 BX90LA4**	419
62	220	1.1	23.1	2600	**F202_23.1 S3 ME3SB4**	**F202_23.1 S3 MX3SB4**	410	**F202_23.1 P90 BE90LA4**	**F202_23.1 P90 BX90LA4**	411
66	207	1.9	21.8	3680	**F252_21.8 S3 ME3SB4**	**F252_21.8 S3 MX3SB4**	414	**F252_21.8 P90 BE90LA4**	**F252_21.8 P90 BX90LA4**	415
68	201	3.0	21.1	6320	**F312_21.1 S3 ME3SB4**	**F312_21.1 S3 MX3SB4**	418	**F312_21.1 P90 BE90LA4**	**F312_21.1 P90 BX90LA4**	419
71	191	1.2	20.2	2530	**F202_20.2 S3 ME3SB4**	**F202_20.2 S3 MX3SB4**	410	**F202_20.2 P90 BE90LA4**	**F202_20.2 P90 BX90LA4**	411
77	177	2.3	18.6	3570	**F252_18.6 S3 ME3SB4**	**F252_18.6 S3 MX3SB4**	414	**F252_18.6 P90 BE90LA4**	**F252_18.6 P90 BX90LA4**	415
77	176	3.4	18.5	6110	**F312_18.5 S3 ME3SB4**	**F312_18.5 S3 MX3SB4**	418	**F312_18.5 P90 BE90LA4**	**F312_18.5 P90 BX90LA4**	419
79	172	1.2	18.1	2480	**F202_18.1 S3 ME3SB4**	**F202_18.1 S3 MX3SB4**	410	**F202_18.1 P90 BE90LA4**	**F202_18.1 P90 BX90LA4**	411

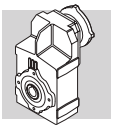


1.5 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE2	IE3		IE2	IE3	
86	158	2.5	16.6	3490	**F252_16.6 S3 ME3SB4**	**F252_16.6 S3 MX3SB4**	414	**F252_16.6 P90 BE90LA4**	**F252_16.6 P90 BX90LA4**	415
97	141	1.4	14.8	2380	**F202_14.8 S3 ME3SB4**	**F202_14.8 S3 MX3SB4**	410	**F202_14.8 P90 BE90LA4**	**F202_14.8 P90 BX90LA4**	411
99	137	2.9	14.5	3390	**F252_14.5 S3 ME3SB4**	**F252_14.5 S3 MX3SB4**	414	**F252_14.5 P90 BE90LA4**	**F252_14.5 P90 BX90LA4**	415
110	123	3.2	13.0	3310	**F252_13.0 S3 ME3SB4**	**F252_13.0 S3 MX3SB4**	414	**F252_13.0 P90 BE90LA4**	**F252_13.0 P90 BX90LA4**	415
124	110	0.9	11.5	1160	**F102_11.5 S3 ME3SB4**	**F102_11.5 S3 MX3SB4**	406	**F102_11.5 P90 BE90LA4**	**F102_11.5 P90 BX90LA4**	407
127	107	1.7	11.2	2220	**F202_11.2 S3 ME3SB4**	**F202_11.2 S3 MX3SB4**	410	**F202_11.2 P90 BE90LA4**	**F202_11.2 P90 BX90LA4**	411
143	95	1.7	10.0	2160	**F202_10.0 S3 ME3SB4**	**F202_10.0 S3 MX3SB4**	410	**F202_10.0 P90 BE90LA4**	**F202_10.0 P90 BX90LA4**	411
146	93	1.0	9.8	1760	**F102_9.8 S3 ME3SB4**	**F102_9.8 S3 MX3SB4**	406	**F102_9.8 P90 BE90LA4**	**F102_9.8 P90 BX90LA4**	407
153	89	3.0	9.4	3070	**F252_9.4 S3 ME3SB4**	**F252_9.4 S3 MX3SB4**	414	**F252_9.4 P90 BE90LA4**	**F252_9.4 P90 BX90LA4**	415
164	83	1.9	8.7	2090	**F202_8.7 S3 ME3SB4**	**F202_8.7 S3 MX3SB4**	410	**F202_8.7 P90 BE90LA4**	**F202_8.7 P90 BX90LA4**	411
167	82	1.0	8.6	1710	**F102_8.6 S3 ME3SB4**	**F102_8.6 S3 MX3SB4**	406	**F102_8.6 P90 BE90LA4**	**F102_8.6 P90 BX90LA4**	407
170	80	3.3	8.4	2980	**F252_8.4 S3 ME3SB4**	**F252_8.4 S3 MX3SB4**	414	**F252_8.4 P90 BE90LA4**	**F252_8.4 P90 BX90LA4**	415
183	74	1.9	7.8	2030	**F202_7.8 S3 ME3SB4**	**F202_7.8 S3 MX3SB4**	410	**F202_7.8 P90 BE90LA4**	**F202_7.8 P90 BX90LA4**	411
193	70	1.1	7.4	1650	**F102_7.4 S3 ME3SB4**	**F102_7.4 S3 MX3SB4**	406	**F102_7.4 P90 BE90LA4**	**F102_7.4 P90 BX90LA4**	407
223	61	2.1	6.4	1930	**F202_6.4 S3 ME3SB4**	**F202_6.4 S3 MX3SB4**	410	**F202_6.4 P90 BE90LA4**	**F202_6.4 P90 BX90LA4**	411
247	55	1.4	11.5	1560	**F102_11.5 S3 ME3SA2**		406	**F102_11.5 P90 BE90SA2**		407
254	54	2.6	11.2	1860	**F202_11.2 S3 ME3SA2**		410	**F202_11.2 P90 BE90SA2**		411
292	47	1.6	9.8	1490	**F102_9.8 S3 ME3SA2**		406	**F102_9.8 P90 BE90SA2**		407
327	42	3.0	8.7	1740	**F202_8.7 S3 ME3SA2**		410	**F202_8.7 P90 BE90SA2**		411
333	41	1.6	8.6	1440	**F102_8.6 S3 ME3SA2**		406	**F102_8.6 P90 BE90SA2**		407
364	37	3.1	7.8	1680	**F202_7.8 S3 ME3SA2**		410	**F202_7.8 P90 BE90SA2**		411
386	35	1.8	7.4	1380	**F102_7.4 S3 ME3SA2**		406	**F102_7.4 P90 BE90SA2**		407
445	31	3.4	6.4	1590	**F202_6.4 S3 ME3SA2**		410	**F202_6.4 P90 BE90SA2**		411

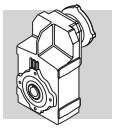
2.2 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE2	IE3		IE2	IE3	
1.2	15941	0.9	1204.9	55000	**F904_1205 S3 ME3LA4**	**F904_1205 S3 MX3LA4**	440	**F904_1205 P100 BE100LA4**	**F904_1205 P100 BX100LA4**	441
1.3	14715	1.0	1112.3	55000	**F904_1112 S3 ME3LA4**	**F904_1112 S3 MX3LA4**	440	**F904_1112 P100 BE100LA4**	**F904_1112 P100 BX100LA4**	441
1.5	13045	1.1	986.0	55000	**F904_986.0 S3 ME3LA4**	**F904_986.0 S3 MX3LA4**	440	**F904_986.0 P100 BE100LA4**	**F904_986.0 P100 BX100LA4**	441
1.6	12042	1.2	910.2	55000	**F904_910.2 S3 ME3LA4**	**F904_910.2 S3 MX3LA4**	440	**F904_910.2 P100 BE100LA4**	**F904_910.2 P100 BX100LA4**	441
1.8	10233	1.4	773.4	55000	**F904_773.4 S3 ME3LA4**	**F904_773.4 S3 MX3LA4**	440	**F904_773.4 P100 BE100LA4**	**F904_773.4 P100 BX100LA4**	441
2.0	9446	1.5	714.0	55000	**F904_714.0 S3 ME3LA4**	**F904_714.0 S3 MX3LA4**	440	**F904_714.0 P100 BE100LA4**	**F904_714.0 P100 BX100LA4**	441
2.3	8277	1.7	625.6	55000	**F904_625.6 S3 ME3LA4**	**F904_625.6 S3 MX3LA4**	440	**F904_625.6 P100 BE100LA4**	**F904_625.6 P100 BX100LA4**	441
2.3	8082	1.0	610.9	45000	**F804_610.9 S3 ME3LA4**	**F804_610.9 S3 MX3LA4**	437	**F804_610.9 P100 BE100LA4**	**F804_610.9 P100 BX100LA4**	438
2.5	7640	1.8	577.5	55000	**F904_577.5 S3 ME3LA4**	**F904_577.5 S3 MX3LA4**	440	**F904_577.5 P100 BE100LA4**	**F904_577.5 P100 BX100LA4**	441
2.5	7460	1.1	563.9	45000	**F804_563.9 S3 ME3LA4**	**F804_563.9 S3 MX3LA4**	437	**F804_563.9 P100 BE100LA4**	**F804_563.9 P100 BX100LA4**	438
2.9	6556	2.1	495.6	55000	**F904_495.6 S3 ME3LA4**	**F904_495.6 S3 MX3LA4**	440	**F904_495.6 P100 BE100LA4**	**F904_495.6 P100 BX100LA4**	441
2.9	6471	1.2	489.1	45000	**F804_489.1 S3 ME3LA4**	**F804_489.1 S3 MX3LA4**	437	**F804_489.1 P100 BE100LA4**	**F804_489.1 P100 BX100LA4**	438
3.1	6052	2.3	457.5	55000	**F904_457.5 S3 ME3LA4**	**F904_457.5 S3 MX3LA4**	440	**F904_457.5 P100 BE100LA4**	**F904_457.5 P100 BX100LA4**	441
3.2	5973	1.3	451.5	45000	**F804_451.5 S3 ME3LA4**	**F804_451.5 S3 MX3LA4**	437	**F804_451.5 P100 BE100LA4**	**F804_451.5 P100 BX100LA4**	438
3.5	5338	0.9	403.5	35000	**F704_403.5 S3 ME3LA4**	**F704_403.5 S3 MX3LA4**	434	**F704_403.5 P100 BE100LA4**	**F704_403.5 P100 BX100LA4**	435
3.6	5186	2.7	392.0	55000	**F904_392.0 S3 ME3LA4**	**F904_392.0 S3 MX3LA4**	440	**F904_392.0 P100 BE100LA4**	**F904_392.0 P100 BX100LA4**	441
3.7	5069	1.6	383.2	45000	**F804_383.2 S3 ME3LA4**	**F804_383.2 S3 MX3LA4**	437	**F804_383.2 P100 BE100LA4**	**F804_383.2 P100 BX100LA4**	438
3.8	4928	1.0	372.5	35000	**F704_372.5 S3 ME3LA4**	**F704_372.5 S3 MX3LA4**	434	**F704_372.5 P100 BE100LA4**	**F704_372.5 P100 BX100LA4**	435
4.0	4787	2.9	361.8	55000	**F904_361.8 S3 ME3LA4**	**F904_361.8 S3 MX3LA4**	440	**F904_361.8 P100 BE100LA4**	**F904_361.8 P100 BX100LA4**	441
4.0	4679	1.7	353.7	45000	**F804_353.7 S3 ME3LA4**	**F804_353.7 S3 MX3LA4**	437	**F804_353.7 P100 BE100LA4**	**F804_353.7 P100 BX100LA4**	438
4.7	4027	1.2	304.3	35000	**F704_304.3 S3 ME3LA4**	**F704_304.3 S3 MX3LA4**	434	**F704_304.3 P100 BE100LA4**	**F704_304.3 P100 BX100LA4**	435
4.8	3926	2.0	296.7	45000	**F804_296.7 S3 ME3LA4**	**F804_296.7 S3 MX3LA4**	437	**F804_296.7 P100 BE100LA4**	**F804_296.7 P100 BX100LA4**	438
4.9	3852	3.6	291.1	55000	**F904_291.1 S3 ME3LA4**	**F904_291.1 S3 MX3LA4**	440	**F904_291.1 P100 BE100LA4**	**F904_291.1 P100 BX100LA4**	441
5.1	3717	1.3	280.9	35000	**F704_280.9 S3 ME3LA4**	**F704_280.9 S3 MX3LA4**	434	**F704_280.9 P100 BE100LA4**	**F704_280.9 P100 BX100LA4**	435
5.2	3624	2.2	273.9	45000	**F804_273.9 S3 ME3LA4**	**F804_273.9 S3 MX3LA4**	437	**F804_273.9 P100 BE100LA4**	**F804_273.9 P100 BX100LA4**	438
6.1	3223	0.9	235.8	20000	**F603_235.8 S3 ME3LA4**	**F603_235.8 S3 MX3LA4**	430	**F603_235.8 P100 BE100LA4**	**F603_235.8 P100 BX100LA4**	431



2.2 kW

n_2	M_2	S	i	R_{n2}						
min-1	Nm			N	IE2	IE3		IE2	IE3	
6.1	3103	1.6	234.6	35000	**F704_234.6 S3 ME3LA4**	**F704_234.6 S3 MX3LA4**	434	**F704_234.6 P100 BE100LA4**	**F704_234.6 P100 BX100LA4**	435
6.5	2891	2.8	218.5	45000	**F804_218.5 S3 ME3LA4**	**F804_218.5 S3 MX3LA4**	437	**F804_218.5 P100 BE100LA4**	**F804_218.5 P100 BX100LA4**	438
6.6	2975	1.0	217.6	20000	**F603_217.6 S3 ME3LA4**	**F603_217.6 S3 MX3LA4**	430	**F603_217.6 P100 BE100LA4**	**F603_217.6 P100 BX100LA4**	431
6.6	2865	1.7	216.5	35000	**F704_216.5 S3 ME3LA4**	**F704_216.5 S3 MX3LA4**	434	**F704_216.5 P100 BE100LA4**	**F704_216.5 P100 BX100LA4**	435
7.1	2753	1.1	201.4	20000	**F603_201.4 S3 ME3LA4**	**F603_201.4 S3 MX3LA4**	430	**F603_201.4 P100 BE100LA4**	**F603_201.4 P100 BX100LA4**	431
7.2	2734	2.9	200.0	45000	**F803_200.0 S3 ME3LA4**	**F803_200.0 S3 MX3LA4**	437	**F803_200.0 P100 BE100LA4**	**F803_200.0 P100 BX100LA4**	438
7.3	2680	1.9	196.0	35000	**F703_196.0 S3 ME3LA4**	**F703_196.0 S3 MX3LA4**	434	**F703_196.0 P100 BE100LA4**	**F703_196.0 P100 BX100LA4**	435
7.7	2541	1.1	185.9	20000	**F603_185.9 S3 ME3LA4**	**F603_185.9 S3 MX3LA4**	430	**F603_185.9 P100 BE100LA4**	**F603_185.9 P100 BX100LA4**	431
7.7	2524	3.2	184.6	45000	**F803_184.6 S3 ME3LA4**	**F803_184.6 S3 MX3LA4**	437	**F803_184.6 P100 BE100LA4**	**F803_184.6 P100 BX100LA4**	438
7.9	2474	2.0	180.9	35000	**F703_180.9 S3 ME3LA4**	**F703_180.9 S3 MX3LA4**	434	**F703_180.9 P100 BE100LA4**	**F703_180.9 P100 BX100LA4**	435
8.6	2279	2.2	166.7	35000	**F703_166.7 S3 ME3LA4**	**F703_166.7 S3 MX3LA4**	434	**F703_166.7 P100 BE100LA4**	**F703_166.7 P100 BX100LA4**	435
8.8	2227	1.3	162.9	20000	**F603_162.9 S3 ME3LA4**	**F603_162.9 S3 MX3LA4**	430	**F603_162.9 P100 BE100LA4**	**F603_162.9 P100 BX100LA4**	431
9.3	2103	2.4	153.8	35000	**F703_153.8 S3 ME3LA4**	**F703_153.8 S3 MX3LA4**	434	**F703_153.8 P100 BE100LA4**	**F703_153.8 P100 BX100LA4**	435
9.5	2056	1.4	150.4	20000	**F603_150.4 S3 ME3LA4**	**F603_150.4 S3 MX3LA4**	430	**F603_150.4 P100 BE100LA4**	**F603_150.4 P100 BX100LA4**	431
10.8	1818	2.8	133.0	35000	**F703_133.0 S3 ME3LA4**	**F703_133.0 S3 MX3LA4**	434	**F703_133.0 P100 BE100LA4**	**F703_133.0 P100 BX100LA4**	435
11.0	1784	1.6	130.5	20000	**F603_130.5 S3 ME3LA4**	**F603_130.5 S3 MX3LA4**	430	**F603_130.5 P100 BE100LA4**	**F603_130.5 P100 BX100LA4**	431
11.0	1776	1.0	129.9	12000	**F513_129.9 S3 ME3LA4**	**F513_129.9 S3 MX3LA4**	426	**F513_129.9 P100 BE100LA4**	**F513_129.9 P100 BX100LA4**	427
11.7	1678	3.0	122.7	35000	**F703_122.7 S3 ME3LA4**	**F703_122.7 S3 MX3LA4**	434	**F703_122.7 P100 BE100LA4**	**F703_122.7 P100 BX100LA4**	435
11.9	1647	1.8	120.5	20000	**F603_120.5 S3 ME3LA4**	**F603_120.5 S3 MX3LA4**	430	**F603_120.5 P100 BE100LA4**	**F603_120.5 P100 BX100LA4**	431
13.0	1499	3.3	109.6	35000	**F703_109.6 S3 ME3LA4**	**F703_109.6 S3 MX3LA4**	434	**F703_109.6 P100 BE100LA4**	**F703_109.6 P100 BX100LA4**	435
13.4	1454	2.0	106.4	20000	**F603_106.4 S3 ME3LA4**	**F603_106.4 S3 MX3LA4**	430	**F603_106.4 P100 BE100LA4**	**F603_106.4 P100 BX100LA4**	431
13.6	1437	1.3	105.1	12000	**F513_105.1 S3 ME3LA4**	**F513_105.1 S3 MX3LA4**	426	**F513_105.1 P100 BE100LA4**	**F513_105.1 P100 BX100LA4**	427
14.1	1383	3.6	101.2	35000	**F703_101.2 S3 ME3LA4**	**F703_101.2 S3 MX3LA4**	434	**F703_101.2 P100 BE100LA4**	**F703_101.2 P100 BX100LA4**	435
14.6	1342	2.2	98.2	20000	**F603_98.2 S3 ME3LA4**	**F603_98.2 S3 MX3LA4**	430	**F603_98.2 P100 BE100LA4**	**F603_98.2 P100 BX100LA4**	431
16.8	1160	0.9	84.9	8500	**F413_84.9 S3 ME3LA4**	**F413_84.9 S3 MX3LA4**	422	**F413_84.9 P100 BE100LA4**	**F413_84.9 P100 BX100LA4**	423
17.0	1149	2.5	84.0	20000	**F603_84.0 S3 ME3LA4**	**F603_84.0 S3 MX3LA4**	430	**F603_84.0 P100 BE100LA4**	**F603_84.0 P100 BX100LA4**	431
17.2	1138	1.6	83.2	12000	**F513_83.2 S3 ME3LA4**	**F513_83.2 S3 MX3LA4**	426	**F513_83.2 P100 BE100LA4**	**F513_83.2 P100 BX100LA4**	427
18.4	1060	2.7	77.6	20000	**F603_77.6 S3 ME3LA4**	**F603_77.6 S3 MX3LA4**	430	**F603_77.6 P100 BE100LA4**	**F603_77.6 P100 BX100LA4**	431
20.9	933	3.1	68.3	20000	**F603_68.3 S3 ME3LA4**	**F603_68.3 S3 MX3LA4**	430	**F603_68.3 P100 BE100LA4**	**F603_68.3 P100 BX100LA4**	431
21.5	909	1.2	66.5	8500	**F413_66.5 S3 ME3LA4**	**F413_66.5 S3 MX3LA4**	422	**F413_66.5 P100 BE100LA4**	**F413_66.5 P100 BX100LA4**	423
21.7	900	2.0	65.8	12000	**F513_65.8 S3 ME3LA4**	**F513_65.8 S3 MX3LA4**	426	**F513_65.8 P100 BE100LA4**	**F513_65.8 P100 BX100LA4**	427
22.7	862	3.4	63.0	20000	**F603_63.0 S3 ME3LA4**	**F603_63.0 S3 MX3LA4**	430	**F603_63.0 P100 BE100LA4**	**F603_63.0 P100 BX100LA4**	431
23.7	824	1.3	60.2	8500	**F413_60.2 S3 ME3LA4**	**F413_60.2 S3 MX3LA4**	422	**F413_60.2 P100 BE100LA4**	**F413_60.2 P100 BX100LA4**	423
27.8	704	1.5	51.5	8500	**F413_51.5 S3 ME3LA4**	**F413_51.5 S3 MX3LA4**	422	**F413_51.5 P100 BE100LA4**	**F413_51.5 P100 BX100LA4**	423
29.2	669	2.7	48.9	12000	**F513_48.9 S3 ME3LA4**	**F513_48.9 S3 MX3LA4**	426	**F513_48.9 P100 BE100LA4**	**F513_48.9 P100 BX100LA4**	427
29.8	669	1.6	47.9	8500	**F412_47.9 S3 ME3LA4**	**F412_47.9 S3 MX3LA4**	422	**F412_47.9 P100 BE100LA4**	**F412_47.9 P100 BX100LA4**	423
30	650	0.9	47.5	6500	**F313_47.5 S3 ME3LA4**	**F313_47.5 S3 MX3LA4**	418	**F313_47.5 P100 BE100LA4**	**F313_47.5 P100 BX100LA4**	419
32	623	1.0	44.6	6500	**F312_44.6 S3 ME3LA4**	**F312_44.6 S3 MX3LA4**	418	**F312_44.6 P100 BE100LA4**	**F312_44.6 P100 BX100LA4**	419
35	564	1.1	40.4	6500	**F312_40.4 S3 ME3LA4**	**F312_40.4 S3 MX3LA4**	418	**F312_40.4 P100 BE100LA4**	**F312_40.4 P100 BX100LA4**	419
37	533	2.1	38.2	8500	**F412_38.2 S3 ME3LA4**	**F412_38.2 S3 MX3LA4**	422	**F412_38.2 P100 BE100LA4**	**F412_38.2 P100 BX100LA4**	423
38	526	1.1	37.7	6500	**F312_37.7 S3 ME3LA4**	**F312_37.7 S3 MX3LA4**	418	**F312_37.7 P100 BE100LA4**	**F312_37.7 P100 BX100LA4**	419
39	519	3.3	37.1	12000	**F512_37.1 S3 ME3LA4**	**F512_37.1 S3 MX3LA4**	426	**F512_37.1 P100 BE100LA4**	**F512_37.1 P100 BX100LA4**	427
42	480	1.3	34.4	6490	**F312_34.4 S3 ME3LA4**	**F312_34.4 S3 MX3LA4**	418	**F312_34.4 P100 BE100LA4**	**F312_34.4 P100 BX100LA4**	419
44	449	0.9	32.2	3620	**F252_32.2 S3 ME3LA4**	**F252_32.2 S3 MX3LA4**	414	**F252_32.2 P100 BE100LA4**	**F252_32.2 P100 BX100LA4**	415
47	421	1.4	30.1	6360	**F312_30.1 S3 ME3LA4**	**F312_30.1 S3 MX3LA4**	418	**F312_30.1 P100 BE100LA4**	**F312_30.1 P100 BX100LA4**	419
47	421	2.6	30.1	8500	**F412_30.1 S3 ME3LA4**	**F412_30.1 S3 MX3LA4**	422	**F412_30.1 P100 BE100LA4**	**F412_30.1 P100 BX100LA4**	423
48	419	1.0	30.0	3300	**F252_30.0 S3 ME3LA4**	**F252_30.0 S3 MX3LA4**	414	**F252_30.0 P100 BE100LA4**	**F252_30.0 P100 BX100LA4**	415
52	381	1.6	27.3	6250	**F312_27.3 S3 ME3LA4**	**F312_27.3 S3 MX3LA4**	418	**F312_27.3 P100 BE100LA4**	**F312_27.3 P100 BX100LA4**	419
53	380	1.1	27.2	3300	**F252_27.2 S3 ME3LA4**	**F252_27.2 S3 MX3LA4**	414	**F252_27.2 P100 BE100LA4**	**F252_27.2 P100 BX100LA4**	415
59	337	3.3	24.1	8400	**F412_24.1 S3 ME3LA4**	**F412_24.1 S3 MX3LA4**	422	**F412_24.1 P100 BE100LA4**	**F412_24.1 P100 BX100LA4**	423
60	332	1.2	23.8	3290	**F252_23.8 S3 ME3LA4**	**F252_23.8 S3 MX3LA4**	414	**F252_23.8 P100 BE100LA4**	**F252_23.8 P100 BX100LA4**	415
61	327	1.8	23.4	6080	**F312_23.4 S3 ME3LA4**	**F312_23.4 S3 MX3LA4**	418	**F312_23.4 P100 BE100LA4**	**F312_23.4 P100 BX100LA4**	419
66	305	1.3	21.8	3270	**F252_21.8 S3 ME3LA4**	**F252_21.8 S3 MX3LA4**	414	**F252_21.8 P100 BE100LA4**	**F252_21.8 P100 BX100LA4**	415
68	295	2.0	21.1	5960	**F312_21.1 S3 ME3LA4**	**F312_21.1 S3 MX3LA4**	418	**F312_21.1 P100 BE100LA4**	**F312_21.1 P100 BX100LA4**	419
77	260	1.5	18.6	3220	**F252_18.6 S3 ME3LA4**	**F252_18.6 S3 MX3LA4**	414	**F252_18.6 P100 BE100LA4**	**F252_18.6 P100 BX100LA4**	415
77	258	2.3	18.5	5790	**F312_18.5 S3 ME3LA4**	**F312_18.5 S3 MX3LA4**	418	**F312_18.5 P100 BE100LA4**	**F312_18.5 P100 BX100LA4**	419
85	235	2.6	16.8	5670	**F312_16.8 S3 ME3LA4**	**F312_16.8 S3 MX3LA4**	418	**F312_16.8 P100 BE100LA4**	**F312_16.8 P100 BX100LA4**	419

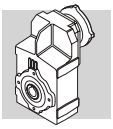


2.2 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE2	IE3		IE2	IE3	
86	232	1.7	16.6	3180	**F252_16.6 S3 ME3LA4**	**F252_16.6 S3 MX3LA4**	414	**F252_16.6 P100 BE100LA4**	**F252_16.6 P100 BX100LA4**	415
97	207	1.0	14.8	2190	**F202_14.8 S3 ME3LA4**	**F202_14.8 S3 MX3LA4**	410	**F202_14.8 P100 BE100LA4**	**F202_14.8 P100 BX100LA4**	411
99	202	2.0	14.5	3120	**F252_14.5 S3 ME3LA4**	**F252_14.5 S3 MX3LA4**	414	**F252_14.5 P100 BE100LA4**	**F252_14.5 P100 BX100LA4**	415
103	195	3.1	13.9	5430	**F312_13.9 S3 ME3LA4**	**F312_13.9 S3 MX3LA4**	418	**F312_13.9 P100 BE100LA4**	**F312_13.9 P100 BX100LA4**	419
110	181	2.2	13.0	3070	**F252_13.0 S3 ME3LA4**	**F252_13.0 S3 MX3LA4**	414	**F252_13.0 P100 BE100LA4**	**F252_13.0 P100 BX100LA4**	415
112	178	3.4	12.7	5310	**F312_12.7 S3 ME3LA4**	**F312_12.7 S3 MX3LA4**	418	**F312_12.7 P100 BE100LA4**	**F312_12.7 P100 BX100LA4**	419
127	157	1.1	11.2	2060	**F202_11.2 S3 ME3LA4**	**F202_11.2 S3 MX3LA4**	410	**F202_11.2 P100 BE100LA4**	**F202_11.2 P100 BX100LA4**	411
135	148	2.7	10.6	2960	**F252_10.6 S3 ME3LA4**	**F252_10.6 S3 MX3LA4**	414	**F252_10.6 P100 BE100LA4**	**F252_10.6 P100 BX100LA4**	415
143	140	1.2	10.0	2000	**F202_10.0 S3 ME3LA4**	**F202_10.0 S3 MX3LA4**	410	**F202_10.0 P100 BE100LA4**	**F202_10.0 P100 BX100LA4**	411
153	131	2.0	9.4	2900	**F252_9.4 S3 ME3LA4**	**F252_9.4 S3 MX3LA4**	414	**F252_9.4 P100 BE100LA4**	**F252_9.4 P100 BX100LA4**	415
159	126	3.1	9.0	4830	**F312_9.0 S3 ME3LA4**	**F312_9.0 S3 MX3LA4**	418	**F312_9.0 P100 BE100LA4**	**F312_9.0 P100 BX100LA4**	419
164	122	1.3	8.7	1960	**F202_8.7 S3 ME3LA4**	**F202_8.7 S3 MX3LA4**	410	**F202_8.7 P100 BE100LA4**	**F202_8.7 P100 BX100LA4**	411
170	117	2.2	8.4	2830	**F252_8.4 S3 ME3LA4**	**F252_8.4 S3 MX3LA4**	414	**F252_8.4 P100 BE100LA4**	**F252_8.4 P100 BX100LA4**	415
174	115	3.4	8.2	4720	**F312_8.2 S3 ME3LA4**	**F312_8.2 S3 MX3LA4**	418	**F312_8.2 P100 BE100LA4**	**F312_8.2 P100 BX100LA4**	419
183	109	1.3	7.8	1920	**F202_7.8 S3 ME3LA4**	**F202_7.8 S3 MX3LA4**	410	**F202_7.8 P100 BE100LA4**	**F202_7.8 P100 BX100LA4**	411
208	96	2.7	6.9	2710	**F252_6.9 S3 ME3LA4**	**F252_6.9 S3 MX3LA4**	414	**F252_6.9 P100 BE100LA4**	**F252_6.9 P100 BX100LA4**	415
223	90	1.5	6.4	1840	**F202_6.4 S3 ME3LA4**	**F202_6.4 S3 MX3LA4**	410	**F202_6.4 P100 BE100LA4**	**F202_6.4 P100 BX100LA4**	411
248	80	1.0	11.5	1470	**F102_11.5 S3 ME3LA2**		406	**F102_11.5 P90 BE90L2**		407
255	78	1.8	11.2	1780	**F202_11.2 S3 ME3LA2**		410	**F202_11.2 P90 BE90L2**		411
293	68	1.1	9.8	1410	**F102_9.8 S3 ME3LA2**		406	**F102_9.8 P90 BE90L2**		407
328	61	2.0	8.7	1670	**F202_8.7 S3 ME3LA2**		410	**F202_8.7 P90 BE90L2**		411
334	60	1.1	8.6	1370	**F102_8.6 S3 ME3LA2**		406	**F102_8.6 P90 BE90L2**		407
366	55	2.1	7.8	1630	**F202_7.8 S3 ME3LA2**		410	**F202_7.8 P90 BE90L2**		411
387	52	1.2	7.4	1330	**F102_7.4 S3 ME3LA2**		406	**F102_7.4 P90 BE90L2**		407
447	45	2.3	6.4	1540	**F202_6.4 S3 ME3LA2**		410	**F202_6.4 P90 BE90L2**		411

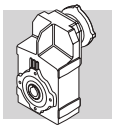
3 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE2	IE3		IE2	IE3	
1.9	13922	1.0	773.4	55000	**F904_773.4 S3 ME3LB4**	**F904_773.4 S3 MX3LB4**	440	**F904_773.4 P100 BE100LB4**	**F904_773.4 P100 BX100LB4**	441
2.0	12851	1.1	714.0	55000	**F904_714.0 S3 ME3LB4**	**F904_714.0 S3 MX3LB4**	440	**F904_714.0 P100 BE100LB4**	**F904_714.0 P100 BX100LB4**	441
2.3	11261	1.2	625.6	55000	**F904_625.6 S3 ME3LB4**	**F904_625.6 S3 MX3LB4**	440	**F904_625.6 P100 BE100LB4**	**F904_625.6 P100 BX100LB4**	441
2.5	10395	1.3	577.5	55000	**F904_577.5 S3 ME3LB4**	**F904_577.5 S3 MX3LB4**	440	**F904_577.5 P100 BE100LB4**	**F904_577.5 P100 BX100LB4**	441
2.9	8920	1.6	495.6	55000	**F904_495.6 S3 ME3LB4**	**F904_495.6 S3 MX3LB4**	440	**F904_495.6 P100 BE100LB4**	**F904_495.6 P100 BX100LB4**	441
2.9	8804	0.9	489.1	45000	**F804_489.1 S3 ME3LB4**	**F804_489.1 S3 MX3LB4**	437	**F804_489.1 P100 BE100LB4**	**F804_489.1 P100 BX100LB4**	438
3.1	8234	1.7	457.5	55000	**F904_457.5 S3 ME3LB4**	**F904_457.5 S3 MX3LB4**	440	**F904_457.5 P100 BE100LB4**	**F904_457.5 P100 BX100LB4**	441
3.2	8127	1.0	451.5	45000	**F804_451.5 S3 ME3LB4**	**F804_451.5 S3 MX3LB4**	437	**F804_451.5 P100 BE100LB4**	**F804_451.5 P100 BX100LB4**	438
3.7	7056	2.0	392.0	55000	**F904_392.0 S3 ME3LB4**	**F904_392.0 S3 MX3LB4**	440	**F904_392.0 P100 BE100LB4**	**F904_392.0 P100 BX100LB4**	441
3.8	6897	1.2	383.2	45000	**F804_383.2 S3 ME3LB4**	**F804_383.2 S3 MX3LB4**	437	**F804_383.2 P100 BE100LB4**	**F804_383.2 P100 BX100LB4**	438
4.0	6513	2.1	361.8	55000	**F904_361.8 S3 ME3LB4**	**F904_361.8 S3 MX3LB4**	440	**F904_361.8 P100 BE100LB4**	**F904_361.8 P100 BX100LB4**	441
4.1	6366	1.3	353.7	45000	**F804_353.7 S3 ME3LB4**	**F804_353.7 S3 MX3LB4**	437	**F804_353.7 P100 BE100LB4**	**F804_353.7 P100 BX100LB4**	438
4.7	5478	0.9	304.3	35000	**F704_304.3 S3 ME3LB4**	**F704_304.3 S3 MX3LB4**	434	**F704_304.3 P100 BE100LB4**	**F704_304.3 P100 BX100LB4**	435
4.9	5341	1.5	296.7	45000	**F804_296.7 S3 ME3LB4**	**F804_296.7 S3 MX3LB4**	437	**F804_296.7 P100 BE100LB4**	**F804_296.7 P100 BX100LB4**	438
4.9	5240	2.7	291.1	55000	**F904_291.1 S3 ME3LB4**	**F904_291.1 S3 MX3LB4**	440	**F904_291.1 P100 BE100LB4**	**F904_291.1 P100 BX100LB4**	441
5.1	5057	1.0	280.9	35000	**F704_280.9 S3 ME3LB4**	**F704_280.9 S3 MX3LB4**	434	**F704_280.9 P100 BE100LB4**	**F704_280.9 P100 BX100LB4**	435
5.3	4930	1.6	273.9	45000	**F804_273.9 S3 ME3LB4**	**F804_273.9 S3 MX3LB4**	437	**F804_273.9 P100 BE100LB4**	**F804_273.9 P100 BX100LB4**	438
5.4	4837	2.9	268.7	55000	**F904_268.7 S3 ME3LB4**	**F904_268.7 S3 MX3LB4**	440	**F904_268.7 P100 BE100LB4**	**F904_268.7 P100 BX100LB4**	441
6.1	4222	1.2	234.6	35000	**F704_234.6 S3 ME3LB4**	**F704_234.6 S3 MX3LB4**	434	**F704_234.6 P100 BE100LB4**	**F704_234.6 P100 BX100LB4**	435
6.2	4165	3.4	231.4	55000	**F904_231.4 S3 ME3LB4**	**F904_231.4 S3 MX3LB4**	440	**F904_231.4 P100 BE100LB4**	**F904_231.4 P100 BX100LB4**	441
6.6	3933	2.0	218.5	45000	**F804_218.5 S3 ME3LB4**	**F804_218.5 S3 MX3LB4**	437	**F804_218.5 P100 BE100LB4**	**F804_218.5 P100 BX100LB4**	438
6.7	3897	1.3	216.5	35000	**F704_216.5 S3 ME3LB4**	**F704_216.5 S3 MX3LB4**	434	**F704_216.5 P100 BE100LB4**	**F704_216.5 P100 BX100LB4**	435
6.7	3845	3.6	213.6	55000	**F904_213.6 S3 ME3LB4**	**F904_213.6 S3 MX3LB4**	440	**F904_213.6 P100 BE100LB4**	**F904_213.6 P100 BX100LB4**	441
7.2	3720	2.2	200.0	45000	**F803_200.0 S3 ME3LB4**	**F803_200.0 S3 MX3LB4**	437	**F803_200.0 P100 BE100LB4**	**F803_200.0 P100 BX100LB4**	438
7.3	3646	1.4	196.0	35000	**F703_196.0 S3 ME3LB4**	**F703_196.0 S3 MX3LB4**	434	**F703_196.0 P100 BE100LB4**	**F703_196.0 P100 BX100LB4**	435
7.8	3434	2.3	184.6	45000	**F803_184.6 S3 ME3LB4**	**F803_184.6 S3 MX3LB4**	437	**F803_184.6 P100 BE100LB4**	**F803_184.6 P100 BX100LB4**	438
8.0	3366	1.5	180.9	35000	**F703_180.9 S3 ME3LB4**	**F703_180.9 S3 MX3LB4**	434	**F703_180.9 P100 BE100LB4**	**F703_180.9 P100 BX100LB4**	435



3 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE2	IE3		IE2	IE3	
8.6	3100	1.6	166.7	35000	**F703_166.7 S3 ME3LB4**	**F703_166.7 S3 MX3LB4**	434	**F703_166.7 P100 BE100LB4**	**F703_166.7 P100 BX100LB4**	435
8.8	3030	1.0	162.9	20000	**F603_162.9 S3 ME3LB4**	**F603_162.9 S3 MX3LB4**	430	**F603_162.9 P100 BE100LB4**	**F603_162.9 P100 BX100LB4**	431
9.0	2980	2.7	160.2	45000	**F803_160.2 S3 ME3LB4**	**F803_160.2 S3 MX3LB4**	437	**F803_160.2 P100 BE100LB4**	**F803_160.2 P100 BX100LB4**	438
9.4	2862	1.7	153.8	35000	**F703_153.8 S3 ME3LB4**	**F703_153.8 S3 MX3LB4**	434	**F703_153.8 P100 BE100LB4**	**F703_153.8 P100 BX100LB4**	435
9.6	2797	1.0	150.4	20000	**F603_150.4 S3 ME3LB4**	**F603_150.4 S3 MX3LB4**	430	**F603_150.4 P100 BE100LB4**	**F603_150.4 P100 BX100LB4**	431
9.7	2751	2.9	147.9	45000	**F803_147.9 S3 ME3LB4**	**F803_147.9 S3 MX3LB4**	437	**F803_147.9 P100 BE100LB4**	**F803_147.9 P100 BX100LB4**	438
10.8	2473	2.0	133.0	35000	**F703_133.0 S3 ME3LB4**	**F703_133.0 S3 MX3LB4**	434	**F703_133.0 P100 BE100LB4**	**F703_133.0 P100 BX100LB4**	435
10.9	2468	3.2	132.7	45000	**F803_132.7 S3 ME3LB4**	**F803_132.7 S3 MX3LB4**	437	**F803_132.7 P100 BE100LB4**	**F803_132.7 P100 BX100LB4**	438
11.0	2427	1.2	130.5	20000	**F603_130.5 S3 ME3LB4**	**F603_130.5 S3 MX3LB4**	430	**F603_130.5 P100 BE100LB4**	**F603_130.5 P100 BX100LB4**	431
11.7	2283	2.2	122.7	35000	**F703_122.7 S3 ME3LB4**	**F703_122.7 S3 MX3LB4**	434	**F703_122.7 P100 BE100LB4**	**F703_122.7 P100 BX100LB4**	435
12.0	2240	1.3	120.5	20000	**F603_120.5 S3 ME3LB4**	**F603_120.5 S3 MX3LB4**	430	**F603_120.5 P100 BE100LB4**	**F603_120.5 P100 BX100LB4**	431
13.1	2039	2.5	109.6	35000	**F703_109.6 S3 ME3LB4**	**F703_109.6 S3 MX3LB4**	434	**F703_109.6 P100 BE100LB4**	**F703_109.6 P100 BX100LB4**	435
13.5	1979	1.5	106.4	20000	**F603_106.4 S3 ME3LB4**	**F603_106.4 S3 MX3LB4**	430	**F603_106.4 P100 BE100LB4**	**F603_106.4 P100 BX100LB4**	431
13.7	1955	0.9	105.1	12000	**F513_105.1 S3 ME3LB4**	**F513_105.1 S3 MX3LB4**	426	**F513_105.1 P100 BE100LB4**	**F513_105.1 P100 BX100LB4**	427
14.2	1882	2.7	101.2	35000	**F703_101.2 S3 ME3LB4**	**F703_101.2 S3 MX3LB4**	434	**F703_101.2 P100 BE100LB4**	**F703_101.2 P100 BX100LB4**	435
14.7	1826	1.6	98.2	20000	**F603_98.2 S3 ME3LB4**	**F603_98.2 S3 MX3LB4**	430	**F603_98.2 P100 BE100LB4**	**F603_98.2 P100 BX100LB4**	431
15.6	1721	2.9	92.5	35000	**F703_92.5 S3 ME3LB4**	**F703_92.5 S3 MX3LB4**	434	**F703_92.5 P100 BE100LB4**	**F703_92.5 P100 BX100LB4**	435
16.9	1588	3.1	85.4	35000	**F703_85.4 S3 ME3LB4**	**F703_85.4 S3 MX3LB4**	434	**F703_85.4 P100 BE100LB4**	**F703_85.4 P100 BX100LB4**	435
17.1	1563	1.9	84.0	20000	**F603_84.0 S3 ME3LB4**	**F603_84.0 S3 MX3LB4**	430	**F603_84.0 P100 BE100LB4**	**F603_84.0 P100 BX100LB4**	431
17.3	1548	1.2	83.2	12000	**F513_83.2 S3 ME3LB4**	**F513_83.2 S3 MX3LB4**	426	**F513_83.2 P100 BE100LB4**	**F513_83.2 P100 BX100LB4**	427
18.6	1443	2.0	77.6	20000	**F603_77.6 S3 ME3LB4**	**F603_77.6 S3 MX3LB4**	430	**F603_77.6 P100 BE100LB4**	**F603_77.6 P100 BX100LB4**	431
19.6	1368	3.7	73.6	35000	**F703_73.6 S3 ME3LB4**	**F703_73.6 S3 MX3LB4**	434	**F703_73.6 P100 BE100LB4**	**F703_73.6 P100 BX100LB4**	435
21.1	1270	2.3	68.3	20000	**F603_68.3 S3 ME3LB4**	**F603_68.3 S3 MX3LB4**	430	**F603_68.3 P100 BE100LB4**	**F603_68.3 P100 BX100LB4**	431
21.9	1225	1.5	65.8	12000	**F513_65.8 S3 ME3LB4**	**F513_65.8 S3 MX3LB4**	426	**F513_65.8 P100 BE100LB4**	**F513_65.8 P100 BX100LB4**	427
22.8	1172	2.5	63.0	20000	**F603_63.0 S3 ME3LB4**	**F603_63.0 S3 MX3LB4**	430	**F603_63.0 P100 BE100LB4**	**F603_63.0 P100 BX100LB4**	431
23.9	1121	1.0	60.2	8500	**F413_60.2 S3 ME3LB4**	**F413_60.2 S3 MX3LB4**	422	**F413_60.2 P100 BE100LB4**	**F413_60.2 P100 BX100LB4**	423
27.8	964	3.0	51.8	20000	**F603_51.8 S3 ME3LB4**	**F603_51.8 S3 MX3LB4**	430	**F603_51.8 P100 BE100LB4**	**F603_51.8 P100 BX100LB4**	431
28.0	958	1.1	51.5	8500	**F413_51.5 S3 ME3LB4**	**F413_51.5 S3 MX3LB4**	422	**F413_51.5 P100 BE100LB4**	**F413_51.5 P100 BX100LB4**	423
29.4	910	2.0	48.9	12000	**F513_48.9 S3 ME3LB4**	**F513_48.9 S3 MX3LB4**	426	**F513_48.9 P100 BE100LB4**	**F513_48.9 P100 BX100LB4**	427
30	911	1.2	47.9	8500	**F412_47.9 S3 ME3LB4**	**F412_47.9 S3 MX3LB4**	422	**F412_47.9 P100 BE100LB4**	**F412_47.9 P100 BX100LB4**	423
30	890	3.3	47.8	20000	**F603_47.8 S3 ME3LB4**	**F603_47.8 S3 MX3LB4**	430	**F603_47.8 P100 BE100LB4**	**F603_47.8 P100 BX100LB4**	431
38	725	1.5	38.2	8500	**F412_38.2 S3 ME3LB4**	**F412_38.2 S3 MX3LB4**	422	**F412_38.2 P100 BE100LB4**	**F412_38.2 P100 BX100LB4**	423
39	706	2.4	37.1	11800	**F512_37.1 S3 ME3LB4**	**F512_37.1 S3 MX3LB4**	426	**F512_37.1 P100 BE100LB4**	**F512_37.1 P100 BX100LB4**	427
42	653	0.9	34.4	5810	**F312_34.4 S3 ME3LB4**	**F312_34.4 S3 MX3LB4**	418	**F312_34.4 P100 BE100LB4**	**F312_34.4 P100 BX100LB4**	419
48	572	1.0	30.1	5770	**F312_30.1 S3 ME3LB4**	**F312_30.1 S3 MX3LB4**	418	**F312_30.1 P100 BE100LB4**	**F312_30.1 P100 BX100LB4**	419
48	572	1.9	30.1	8290	**F412_30.1 S3 ME3LB4**	**F412_30.1 S3 MX3LB4**	422	**F412_30.1 P100 BE100LB4**	**F412_30.1 P100 BX100LB4**	423
48	571	3.0	30.0	11200	**F512_30.0 S3 ME3LB4**	**F512_30.0 S3 MX3LB4**	426	**F512_30.0 P100 BE100LB4**	**F512_30.0 P100 BX100LB4**	427
53	518	1.2	27.3	5720	**F312_27.3 S3 ME3LB4**	**F312_27.3 S3 MX3LB4**	418	**F312_27.3 P100 BE100LB4**	**F312_27.3 P100 BX100LB4**	419
60	458	2.4	24.1	7960	**F412_24.1 S3 ME3LB4**	**F412_24.1 S3 MX3LB4**	422	**F412_24.1 P100 BE100LB4**	**F412_24.1 P100 BX100LB4**	423
61	451	0.9	23.8	3100	**F252_23.8 S3 ME3LB4**	**F252_23.8 S3 MX3LB4**	414	**F252_23.8 P100 BE100LB4**	**F252_23.8 P100 BX100LB4**	415
62	444	1.4	23.4	5620	**F312_23.4 S3 ME3LB4**	**F312_23.4 S3 MX3LB4**	418	**F312_23.4 P100 BE100LB4**	**F312_23.4 P100 BX100LB4**	419
66	415	1.0	21.8	2800	**F252_21.8 S3 ME3LB4**	**F252_21.8 S3 MX3LB4**	414	**F252_21.8 P100 BE100LB4**	**F252_21.8 P100 BX100LB4**	415
68	401	1.5	21.1	5540	**F312_21.1 S3 ME3LB4**	**F312_21.1 S3 MX3LB4**	418	**F312_21.1 P100 BE100LB4**	**F312_21.1 P100 BX100LB4**	419
76	359	3.0	18.9	7560	**F412_18.9 S3 ME3LB4**	**F412_18.9 S3 MX3LB4**	422	**F412_18.9 P100 BE100LB4**	**F412_18.9 P100 BX100LB4**	423
77	354	1.1	18.6	2830	**F252_18.6 S3 ME3LB4**	**F252_18.6 S3 MX3LB4**	414	**F252_18.6 P100 BE100LB4**	**F252_18.6 P100 BX100LB4**	415
78	351	1.7	18.5	5430	**F312_18.5 S3 ME3LB4**	**F312_18.5 S3 MX3LB4**	418	**F312_18.5 P100 BE100LB4**	**F312_18.5 P100 BX100LB4**	419
84	325	3.2	17.1	7400	**F412_17.1 S3 ME3LB4**	**F412_17.1 S3 MX3LB4**	422	**F412_17.1 P100 BE100LB4**	**F412_17.1 P100 BX100LB4**	423
86	319	1.9	16.8	5340	**F312_16.8 S3 ME3LB4**	**F312_16.8 S3 MX3LB4**	418	**F312_16.8 P100 BE100LB4**	**F312_16.8 P100 BX100LB4**	419
87	316	1.3	16.6	2830	**F252_16.6 S3 ME3LB4**	**F252_16.6 S3 MX3LB4**	414	**F252_16.6 P100 BE100LB4**	**F252_16.6 P100 BX100LB4**	415
100	275	1.5	14.5	2810	**F252_14.5 S3 ME3LB4**	**F252_14.5 S3 MX3LB4**	414	**F252_14.5 P100 BE100LB4**	**F252_14.5 P100 BX100LB4**	415
103	265	2.3	13.9	5150	**F312_13.9 S3 ME3LB4**	**F312_13.9 S3 MX3LB4**	418	**F312_13.9 P100 BE100LB4**	**F312_13.9 P100 BX100LB4**	419
111	247	1.6	13.0	2790	**F252_13.0 S3 ME3LB4**	**F252_13.0 S3 MX3LB4**	414	**F252_13.0 P100 BE100LB4**	**F252_13.0 P100 BX100LB4**	415
113	242	2.5	12.7	5060	**F312_12.7 S3 ME3LB4**	**F312_12.7 S3 MX3LB4**	418	**F312_12.7 P100 BE100LB4**	**F312_12.7 P100 BX100LB4**	419
134	204	2.9	10.7	4880	**F312_10.7 S3 ME3LB4**	**F312_10.7 S3 MX3LB4**	418	**F312_10.7 P100 BE100LB4**	**F312_10.7 P100 BX100LB4**	419
136	202	2.0	10.6	2730	**F252_10.6 S3 ME3LB4**	**F252_10.6 S3 MX3LB4**	414	**F252_10.6 P100 BE100LB4**	**F252_10.6 P100 BX100LB4**	415
154	178	1.5	9.4	2710	**F252_9.4 S3 ME3LB4**	**F252_9.4 S3 MX3LB4**	414	**F252_9.4 P100 BE100LB4**	**F252_9.4 P100 BX100LB4**	415
160	171	2.3	9.0	4650	**F312_9.0 S3 ME3LB4**	**F312_9.0 S3 MX3LB4**	418	**F312_9.0 P100 BE100LB4**	**F312_9.0 P100 BX100LB4**	419
165	166	0.9	8.7	1820	**F202_8.7 S3 ME3LB4**	**F202_8.7 S3 MX3LB4**	410	**F202_8.7 P100 BE100LB4**	**F202_8.7 P100 BX100LB4**	411
172	159	1.6	8.4	2660	**F252_8.4 S3 ME3LB4**	**F252_8.4 S3 MX3LB4**	414	**F252_8.4 P100 BE100LB4**	**F252_8.4 P100 BX100LB4**	415
175	156	2.5	8.2	4550	**F312_8.2 S3 ME3LB4**	**F312_8.2 S3 MX3LB4**	418	**F312_8.2 P100 BE100LB4**	**F312_8.2 P100 BX100LB4**	419
184	149	1.0	7.8	1790	**F202_7.8 S3 ME3LB4**	**F202_7.8 S3 MX3LB4**	410	**F202_7.8 P100 BE100LB4**	**F202_7.8 P100 BX100LB4**	411
207	132	3.0	6.9	4360	**F312_6.9 S3 ME3LB4**	**F312_6.9 S3 MX3LB4**	418	**F312_6.9 P100 BE100LB4**	**F312_6.9 P100 BX100LB4**	419
210	131	2.0	6.9	2560	**F252_6.9 S3 ME3LB4**	**F252_6.9 S3 MX3LB4**	414	**F252_6.9 P100 BE100LB4**	**F252_6.9 P100 BX100LB4**	415
222	123	2.9	13.0	2510	**F252_13.0 S3 ME3LB2**		414	**F252_13.0 P100 BE100L2**		415
225	122	1.1	6.4	1730	**F202_6.4 S3 ME3LB4**	**F202_6.4 S3 MX3LB4**	410	**F202_6.4 P100 BE100LB4**	**F202_6.4 P100 BX100LB4**	411

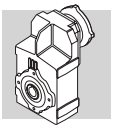


3 kW

n_2	M_2	S	i	R_{n2}						
min-1	Nm			N	IE2	IE3		IE2	IE3	
256	106	1.3	11.2	1680	**F202_11.2 S3 ME3LB2**		410	**F202_11.2 P100 BE100L2**		411
271	100	3.2	10.6	2410	**F252_10.6 S3 ME3LB2**		414	**F252_10.6 P100 BE100L2**		415
308	88	3.0	9.4	2350	**F252_9.4 S3 ME3LB2**		414	**F252_9.4 P100 BE100L2**		415
330	83	1.5	8.7	1600	**F202_8.7 S3 ME3LB2**		410	**F202_8.7 P100 BE100L2**		411
343	79	3.3	8.4	2290	**F252_8.4 S3 ME3LB2**		414	**F252_8.4 P100 BE100L2**		415
368	74	1.6	7.8	1560	**F202_7.8 S3 ME3LB2**		410	**F202_7.8 P100 BE100L2**		411
449	61	1.7	6.4	1480	**F202_6.4 S3 ME3LB2**		410	**F202_6.4 P100 BE100L2**		411

4 kW

n_2	M_2	S	i	R_{n2}						
min-1	Nm			N	IE2	IE3		IE2	IE3	
2.3	15202	0.9	625.6	55000	**F904_625.6 S4 ME4SA4**	**F904_625.6 S4 MX4SA4**	440	**F904_625.6 P112 BE112M4**	**F904_625.6 P112 BX112M4**	441
2.5	14033	1.0	577.5	55000	**F904_577.5 S4 ME4SA4**	**F904_577.5 S4 MX4SA4**	440	**F904_577.5 P112 BE112M4**	**F904_577.5 P112 BX112M4**	441
2.9	12042	1.2	495.6	55000	**F904_495.6 S4 ME4SA4**	**F904_495.6 S4 MX4SA4**	440	**F904_495.6 P112 BE112M4**	**F904_495.6 P112 BX112M4**	441
3.1	11116	1.3	457.5	55000	**F904_457.5 S4 ME4SA4**	**F904_457.5 S4 MX4SA4**	440	**F904_457.5 P112 BE112M4**	**F904_457.5 P112 BX112M4**	441
3.7	9526	1.5	392.0	55000	**F904_392.0 S4 ME4SA4**	**F904_392.0 S4 MX4SA4**	440	**F904_392.0 P112 BE112M4**	**F904_392.0 P112 BX112M4**	441
4.0	8793	1.6	361.8	55000	**F904_361.8 S4 ME4SA4**	**F904_361.8 S4 MX4SA4**	440	**F904_361.8 P112 BE112M4**	**F904_361.8 P112 BX112M4**	441
4.1	8594	0.9	353.7	45000	**F804_353.7 S4 ME4SA4**	**F804_353.7 S4 MX4SA4**	437	**F804_353.7 P112 BE112M4**	**F804_353.7 P112 BX112M4**	438
4.9	7210	1.1	296.7	45000	**F804_296.7 S4 ME4SA4**	**F804_296.7 S4 MX4SA4**	437	**F804_296.7 P112 BE112M4**	**F804_296.7 P112 BX112M4**	438
4.9	7074	2.0	291.1	55000	**F904_291.1 S4 ME4SA4**	**F904_291.1 S4 MX4SA4**	440	**F904_291.1 P112 BE112M4**	**F904_291.1 P112 BX112M4**	441
5.3	6656	1.2	273.9	45000	**F804_273.9 S4 ME4SA4**	**F804_273.9 S4 MX4SA4**	437	**F804_273.9 P112 BE112M4**	**F804_273.9 P112 BX112M4**	438
5.4	6530	2.1	268.7	55000	**F904_268.7 S4 ME4SA4**	**F904_268.7 S4 MX4SA4**	440	**F904_268.7 P112 BE112M4**	**F904_268.7 P112 BX112M4**	441
6.1	5700	0.9	234.6	35000	**F704_234.6 S4 ME4SA4**	**F704_234.6 S4 MX4SA4**	434	**F704_234.6 P112 BE112M4**	**F704_234.6 P112 BX112M4**	435
6.2	5623	2.5	231.4	55000	**F904_231.4 S4 ME4SA4**	**F904_231.4 S4 MX4SA4**	440	**F904_231.4 P112 BE112M4**	**F904_231.4 P112 BX112M4**	441
6.6	5309	1.5	218.5	45000	**F804_218.5 S4 ME4SA4**	**F804_218.5 S4 MX4SA4**	437	**F804_218.5 P112 BE112M4**	**F804_218.5 P112 BX112M4**	438
6.7	5262	1.0	216.5	35000	**F704_216.5 S4 ME4SA4**	**F704_216.5 S4 MX4SA4**	434	**F704_216.5 P112 BE112M4**	**F704_216.5 P112 BX112M4**	435
6.7	5190	2.7	213.6	55000	**F904_213.6 S4 ME4SA4**	**F904_213.6 S4 MX4SA4**	440	**F904_213.6 P112 BE112M4**	**F904_213.6 P112 BX112M4**	441
7.2	5022	1.6	200.0	45000	**F803_200.0 S4 ME4SA4**	**F803_200.0 S4 MX4SA4**	437	**F803_200.0 P112 BE112M4**	**F803_200.0 P112 BX112M4**	438
7.3	4922	1.0	196.0	35000	**F703_196.0 S4 ME4SA4**	**F703_196.0 S4 MX4SA4**	434	**F703_196.0 P112 BE112M4**	**F703_196.0 P112 BX112M4**	435
7.4	4875	2.9	194.2	55000	**F903_194.2 S4 ME4SA4**	**F903_194.2 S4 MX4SA4**	440	**F903_194.2 P112 BE112M4**	**F903_194.2 P112 BX112M4**	441
7.8	4636	1.7	184.6	45000	**F803_184.6 S4 ME4SA4**	**F803_184.6 S4 MX4SA4**	437	**F803_184.6 P112 BE112M4**	**F803_184.6 P112 BX112M4**	438
8.0	4544	1.1	180.9	35000	**F703_180.9 S4 ME4SA4**	**F703_180.9 S4 MX4SA4**	434	**F703_180.9 P112 BE112M4**	**F703_180.9 P112 BX112M4**	435
8.0	4500	3.1	179.2	55000	**F903_179.2 S4 ME4SA4**	**F903_179.2 S4 MX4SA4**	440	**F903_179.2 P112 BE112M4**	**F903_179.2 P112 BX112M4**	441
8.6	4185	1.2	166.7	35000	**F703_166.7 S4 ME4SA4**	**F703_166.7 S4 MX4SA4**	434	**F703_166.7 P112 BE112M4**	**F703_166.7 P112 BX112M4**	435
8.8	4089	3.4	162.8	55000	**F903_162.8 S4 ME4SA4**	**F903_162.8 S4 MX4SA4**	440	**F903_162.8 P112 BE112M4**	**F903_162.8 P112 BX112M4**	441
9.0	4023	2.0	160.2	45000	**F803_160.2 S4 ME4SA4**	**F803_160.2 S4 MX4SA4**	437	**F803_160.2 P112 BE112M4**	**F803_160.2 P112 BX112M4**	438
9.4	3863	1.3	153.8	35000	**F703_153.8 S4 ME4SA4**	**F703_153.8 S4 MX4SA4**	434	**F703_153.8 P112 BE112M4**	**F703_153.8 P112 BX112M4**	435
9.7	3714	2.2	147.9	45000	**F803_147.9 S4 ME4SA4**	**F803_147.9 S4 MX4SA4**	437	**F803_147.9 P112 BE112M4**	**F803_147.9 P112 BX112M4**	438
10.8	3338	1.5	133.0	35000	**F703_133.0 S4 ME4SA4**	**F703_133.0 S4 MX4SA4**	434	**F703_133.0 P112 BE112M4**	**F703_133.0 P112 BX112M4**	435
10.9	3332	2.4	132.7	45000	**F803_132.7 S4 ME4SA4**	**F803_132.7 S4 MX4SA4**	437	**F803_132.7 P112 BE112M4**	**F803_132.7 P112 BX112M4**	438
11.0	3277	0.9	130.5	20000	**F603_130.5 S4 ME4SA4**	**F603_130.5 S4 MX4SA4**	430	**F603_130.5 P112 BE112M4**	**F603_130.5 P112 BX112M4**	431
11.7	3082	1.6	122.7	35000	**F703_122.7 S4 ME4SA4**	**F703_122.7 S4 MX4SA4**	434	**F703_122.7 P112 BE112M4**	**F703_122.7 P112 BX112M4**	435
11.8	3076	2.6	122.5	45000	**F803_122.5 S4 ME4SA4**	**F803_122.5 S4 MX4SA4**	437	**F803_122.5 P112 BE112M4**	**F803_122.5 P112 BX112M4**	438
12.0	3025	1.0	120.5	20000	**F603_120.5 S4 ME4SA4**	**F603_120.5 S4 MX4SA4**	430	**F603_120.5 P112 BE112M4**	**F603_120.5 P112 BX112M4**	431
12.7	2856	2.8	113.8	45000	**F803_113.8 S4 ME4SA4**	**F803_113.8 S4 MX4SA4**	437	**F803_113.8 P112 BE112M4**	**F803_113.8 P112 BX112M4**	438
13.1	2752	1.8	109.6	35000	**F703_109.6 S4 ME4SA4**	**F703_109.6 S4 MX4SA4**	434	**F703_109.6 P112 BE112M4**	**F703_109.6 P112 BX112M4**	435
13.5	2671	1.1	106.4	20000	**F603_106.4 S4 ME4SA4**	**F603_106.4 S4 MX4SA4**	430	**F603_106.4 P112 BE112M4**	**F603_106.4 P112 BX112M4**	431
13.7	2637	3.0	105.0	45000	**F803_105.0 S4 ME4SA4**	**F803_105.0 S4 MX4SA4**	437	**F803_105.0 P112 BE112M4**	**F803_105.0 P112 BX112M4**	438
14.2	2541	2.0	101.2	35000	**F703_101.2 S4 ME4SA4**	**F703_101.2 S4 MX4SA4**	434	**F703_101.2 P112 BE112M4**	**F703_101.2 P112 BX112M4**	435
14.7	2466	1.2	98.2	20000	**F603_98.2 S4 ME4SA4**	**F603_98.2 S4 MX4SA4**	430	**F603_98.2 P112 BE112M4**	**F603_98.2 P112 BX112M4**	431
15.6	2323	2.2	92.5	35000	**F703_92.5 S4 ME4SA4**	**F703_92.5 S4 MX4SA4**	434	**F703_92.5 P112 BE112M4**	**F703_92.5 P112 BX112M4**	435
16.9	2144	2.3	85.4	35000	**F703_85.4 S4 ME4SA4**	**F703_85.4 S4 MX4SA4**	434	**F703_85.4 P112 BE112M4**	**F703_85.4 P112 BX112M4**	435
17.1	2110	1.4	84.0	20000	**F603_84.0 S4 ME4SA4**	**F603_84.0 S4 MX4SA4**	430	**F603_84.0 P112 BE112M4**	**F603_84.0 P112 BX112M4**	431
18.6	1947	1.5	77.6	20000	**F603_77.6 S4 ME4SA4**	**F603_77.6 S4 MX4SA4**	430	**F603_77.6 P112 BE112M4**	**F603_77.6 P112 BX112M4**	431
19.6	1847	2.7	73.6	35000	**F703_73.6 S4 ME4SA4**	**F703_73.6 S4 MX4SA4**	434	**F703_73.6 P112 BE112M4**	**F703_73.6 P112 BX112M4**	435
21.1	1715	1.7	68.3	20000	**F603_68.3 S4 ME4SA4**	**F603_68.3 S4 MX4SA4**	430	**F603_68.3 P112 BE112M4**	**F603_68.3 P112 BX112M4**	431
21.2	1705	2.9	67.9	35000	**F703_67.9 S4 ME4SA4**	**F703_67.9 S4 MX4SA4**	434	**F703_67.9 P112 BE112M4**	**F703_67.9 P112 BX112M4**	435
21.9	1653	1.1	65.8	12000	**F513_65.8 S4 ME4SA4**	**F513_65.8 S4 MX4SA4**	426	**F513_65.8 P112 BE112M4**	**F513_65.8 P112 BX112M4**	427
22.8	1583	1.8	63.0	20000	**F603_63.0 S4 ME4SA4**	**F603_63.0 S4 MX4SA4**	430	**F603_63.0 P112 BE112M4**	**F603_63.0 P112 BX112M4**	431

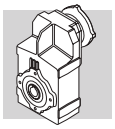


4 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE2	IE3		DC IE2	DC IE3	
23.0	1569	3.2	62.5	35000	**F703_62.5 S4 ME4SA4**	**F703_62.5 S4 MX4SA4**	434	**F703_62.5 P112 BE112M4**	**F703_62.5 P112 BX112M4**	435
25.0	1449	3.5	57.7	35000	**F703_57.7 S4 ME4SA4**	**F703_57.7 S4 MX4SA4**	434	**F703_57.7 P112 BE112M4**	**F703_57.7 P112 BX112M4**	435
27.8	1301	2.2	51.8	20000	**F603_51.8 S4 ME4SA4**	**F603_51.8 S4 MX4SA4**	430	**F603_51.8 P112 BE112M4**	**F603_51.8 P112 BX112M4**	431
29.4	1228	1.5	48.9	11600	**F513_48.9 S4 ME4SA4**	**F513_48.9 S4 MX4SA4**	426	**F513_48.9 P112 BE112M4**	**F513_48.9 P112 BX112M4**	427
30	1201	2.4	47.8	20000	**F603_47.8 S4 ME4SA4**	**F603_47.8 S4 MX4SA4**	430	**F603_47.8 P112 BE112M4**	**F603_47.8 P112 BX112M4**	431
34	1057	2.7	42.1	20000	**F603_42.1 S4 ME4SA4**	**F603_42.1 S4 MX4SA4**	430	**F603_42.1 P112 BE112M4**	**F603_42.1 P112 BX112M4**	431
37	975	3.0	38.8	20000	**F603_38.8 S4 ME4SA4**	**F603_38.8 S4 MX4SA4**	430	**F603_38.8 P112 BE112M4**	**F603_38.8 P112 BX112M4**	431
38	979	1.1	38.2	7720	**F412_38.2 S4 ME4SA4**	**F412_38.2 S4 MX4SA4**	422	**F412_38.2 P112 BE112M4**	**F412_38.2 P112 BX112M4**	423
39	953	1.8	37.1	11200	**F512_37.1 S4 ME4SA4**	**F512_37.1 S4 MX4SA4**	426	**F512_37.1 P112 BE112M4**	**F512_37.1 P112 BX112M4**	427
45	806	3.6	32.1	20000	**F603_32.1 S4 ME4SA4**	**F603_32.1 S4 MX4SA4**	430			
48	773	1.4	30.1	7610	**F412_30.1 S4 ME4SA4**	**F412_30.1 S4 MX4SA4**	422	**F412_30.1 P112 BE112M4**	**F412_30.1 P112 BX112M4**	423
48	770	2.2	30.0	10700	**F512_30.0 S4 ME4SA4**	**F512_30.0 S4 MX4SA4**	426	**F512_30.0 P112 BE112M4**	**F512_30.0 P112 BX112M4**	427
57	638	3.0	25.4	20000	**F603_25.4 S4 ME4SA4**	**F603_25.4 S4 MX4SA4**	430	**F603_25.4 P112 BE112M4**	**F603_25.4 P112 BX112M4**	431
60	619	1.8	24.1	7420	**F412_24.1 S4 ME4SA4**	**F412_24.1 S4 MX4SA4**	422	**F412_24.1 P112 BE112M4**	**F412_24.1 P112 BX112M4**	423
61	610	2.7	23.8	10200	**F512_23.8 S4 ME4SA4**	**F512_23.8 S4 MX4SA4**	426	**F512_23.8 P112 BE112M4**	**F512_23.8 P112 BX112M4**	427
61	589	3.2	23.5	20000	**F603_23.5 S4 ME4SA4**	**F603_23.5 S4 MX4SA4**	430	**F603_23.5 P112 BE112M4**	**F603_23.5 P112 BX112M4**	431
62	600	1.0	23.4	5040	**F312_23.4 S4 ME4SA4**	**F312_23.4 S4 MX4SA4**	418	**F312_23.4 P112 BE112M4**	**F312_23.4 P112 BX112M4**	419
68	542	1.1	21.1	5020	**F312_21.1 S4 ME4SA4**	**F312_21.1 S4 MX4SA4**	418	**F312_21.1 P112 BE112M4**	**F312_21.1 P112 BX112M4**	419
76	485	2.2	18.9	7150	**F412_18.9 S4 ME4SA4**	**F412_18.9 S4 MX4SA4**	422	**F412_18.9 P112 BE112M4**	**F412_18.9 P112 BX112M4**	423
77	483	3.2	18.8	9640	**F512_18.8 S4 ME4SA4**	**F512_18.8 S4 MX4SA4**	426	**F512_18.8 P112 BE112M4**	**F512_18.8 P112 BX112M4**	427
78	474	1.3	18.5	4980	**F312_18.5 S4 ME4SA4**	**F312_18.5 S4 MX4SA4**	418	**F312_18.5 P112 BE112M4**	**F312_18.5 P112 BX112M4**	419
84	439	2.4	17.1	7030	**F412_17.1 S4 ME4SA4**	**F412_17.1 S4 MX4SA4**	422	**F412_17.1 P112 BE112M4**	**F412_17.1 P112 BX112M4**	423
86	431	1.4	16.8	4930	**F312_16.8 S4 ME4SA4**	**F312_16.8 S4 MX4SA4**	418	**F312_16.8 P112 BE112M4**	**F312_16.8 P112 BX112M4**	419
98	375	2.7	14.6	6820	**F412_14.6 S4 ME4SA4**	**F412_14.6 S4 MX4SA4**	422	**F412_14.6 P112 BE112M4**	**F412_14.6 P112 BX112M4**	423
103	358	1.7	13.9	4820	**F312_13.9 S4 ME4SA4**	**F312_13.9 S4 MX4SA4**	418	**F312_13.9 P112 BE112M4**	**F312_13.9 P112 BX112M4**	419
113	326	1.8	12.7	4750	**F312_12.7 S4 ME4SA4**	**F312_12.7 S4 MX4SA4**	418	**F312_12.7 P112 BE112M4**	**F312_12.7 P112 BX112M4**	419
134	276	3.3	10.8	6380	**F412_10.8 S4 ME4SA4**	**F412_10.8 S4 MX4SA4**	422	**F412_10.8 P112 BE112M4**	**F412_10.8 P112 BX112M4**	423
134	276	2.2	10.7	4620	**F312_10.7 S4 ME4SA4**	**F312_10.7 S4 MX4SA4**	418	**F312_10.7 P112 BE112M4**	**F312_10.7 P112 BX112M4**	419
158	234	3.0	9.1	6160	**F412_9.1 S4 ME4SA4**	**F412_9.1 S4 MX4SA4**	422	**F412_9.1 P112 BE112M4**	**F412_9.1 P112 BX112M4**	423
160	231	1.7	9.0	4420	**F312_9.0 S4 ME4SA4**	**F312_9.0 S4 MX4SA4**	418	**F312_9.0 P112 BE112M4**	**F312_9.0 P112 BX112M4**	419
175	211	1.8	8.2	4350	**F312_8.2 S4 ME4SA4**	**F312_8.2 S4 MX4SA4**	418	**F312_8.2 P112 BE112M4**	**F312_8.2 P112 BX112M4**	419
207	178	2.2	6.9	4200	**F312_6.9 S4 ME4SA4**	**F312_6.9 S4 MX4SA4**	418	**F312_6.9 P112 BE112M4**	**F312_6.9 P112 BX112M4**	419
228	159	3.5	12.7	4120	**F312_12.7 S4 ME4SA2**		418	**F312_12.7 P112 BE112M2**		419
322	113	3.4	9.0	3760	**F312_9.0 S4 ME4SA2**		418	**F312_9.0 P112 BE112M2**		419

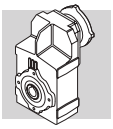
5.5 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE2	IE3		DC IE2	DC IE3	
2.9	16057	0.9	495.6	55000	**F904_495.6 S4 ME4SB4**	**F904_495.6 S4 MX4SB4**	440	**F904_495.6 P132 BE132S4**	**F904_495.6 P132 BX132SB4**	441
3.2	14821	0.9	457.5	55000	**F904_457.5 S4 ME4SB4**	**F904_457.5 S4 MX4SB4**	440	**F904_457.5 P132 BE132S4**	**F904_457.5 P132 BX132SB4**	441
3.7	12701	1.1	392.0	55000	**F904_392.0 S4 ME4SB4**	**F904_392.0 S4 MX4SB4**	440	**F904_392.0 P132 BE132S4**	**F904_392.0 P132 BX132SB4**	441
4.0	11724	1.2	361.8	55000	**F904_361.8 S4 ME4SB4**	**F904_361.8 S4 MX4SB4**	440	**F904_361.8 P132 BE132S4**	**F904_361.8 P132 BX132SB4**	441
5.0	9432	1.5	291.1	55000	**F904_291.1 S4 ME4SB4**	**F904_291.1 S4 MX4SB4**	440	**F904_291.1 P132 BE132S4**	**F904_291.1 P132 BX132SB4**	441
5.3	8874	0.9	273.9	45000	**F804_273.9 S4 ME4SB4**	**F804_273.9 S4 MX4SB4**	437	**F804_273.9 P132 BE132S4**	**F804_273.9 P132 BX132SB4**	438
5.4	8707	1.6	268.7	55000	**F904_268.7 S4 ME4SB4**	**F904_268.7 S4 MX4SB4**	440	**F904_268.7 P132 BE132S4**	**F904_268.7 P132 BX132SB4**	441
6.3	7497	1.9	231.4	55000	**F904_231.4 S4 ME4SB4**	**F904_231.4 S4 MX4SB4**	440	**F904_231.4 P132 BE132S4**	**F904_231.4 P132 BX132SB4**	441
6.7	7079	1.1	218.5	45000	**F804_218.5 S4 ME4SB4**	**F804_218.5 S4 MX4SB4**	437	**F804_218.5 P132 BE132S4**	**F804_218.5 P132 BX132SB4**	438
6.8	6920	2.0	213.6	55000	**F904_213.6 S4 ME4SB4**	**F904_213.6 S4 MX4SB4**	440	**F904_213.6 P132 BE132S4**	**F904_213.6 P132 BX132SB4**	441
7.3	6696	1.2	200.0	45000	**F803_200.0 S4 ME4SB4**	**F803_200.0 S4 MX4SB4**	437	**F803_200.0 P132 BE132S4**	**F803_200.0 P132 BX132SB4**	438
7.5	6500	2.2	194.2	55000	**F903_194.2 S4 ME4SB4**	**F903_194.2 S4 MX4SB4**	440	**F903_194.2 P132 BE132S4**	**F903_194.2 P132 BX132SB4**	441
7.9	6181	1.3	184.6	45000	**F803_184.6 S4 ME4SB4**	**F803_184.6 S4 MX4SB4**	437	**F803_184.6 P132 BE132S4**	**F803_184.6 P132 BX132SB4**	438
8.1	6000	2.3	179.2	55000	**F903_179.2 S4 ME4SB4**	**F903_179.2 S4 MX4SB4**	440	**F903_179.2 P132 BE132S4**	**F903_179.2 P132 BX132SB4**	441
8.8	5580	0.9	166.7	35000	**F703_166.7 S4 ME4SB4**	**F703_166.7 S4 MX4SB4**	434	**F703_166.7 P132 BE132S4**	**F703_166.7 P132 BX132SB4**	435
9.0	5452	2.6	162.8	55000	**F903_162.8 S4 ME4SB4**	**F903_162.8 S4 MX4SB4**	440	**F903_162.8 P132 BE132S4**	**F903_162.8 P132 BX132SB4**	441
9.1	5364	1.5	160.2	45000	**F803_160.2 S4 ME4SB4**	**F803_160.2 S4 MX4SB4**	437	**F803_160.2 P132 BE132S4**	**F803_160.2 P132 BX132SB4**	438
9.5	5151	1.0	153.8	35000	**F703_153.8 S4 ME4SB4**	**F703_153.8 S4 MX4SB4**	434	**F703_153.8 P132 BE132S4**	**F703_153.8 P132 BX132SB4**	435
9.7	5032	2.8	150.3	55000	**F903_150.3 S4 ME4SB4**	**F903_150.3 S4 MX4SB4**	440	**F903_150.3 P132 BE132S4**	**F903_150.3 P132 BX132SB4**	441
9.9	4952	1.6	147.9	45000	**F803_147.9 S4 ME4SB4**	**F803_147.9 S4 MX4SB4**	437	**F803_147.9 P132 BE132S4**	**F803_147.9 P132 BX132SB4**	438
10.6	4598	3.0	137.3	55000	**F903_137.3 S4 ME4SB4**	**F903_137.3 S4 MX4SB4**	440	**F903_137.3 P132 BE132S4**	**F903_137.3 P132 BX132SB4**	441
11.0	4451	1.1	133.0	35000	**F703_133.0 S4 ME4SB4**	**F703_133.0 S4 MX4SB4**	434	**F703_133.0 P132 BE132S4**	**F703_133.0 P132 BX132SB4**	435



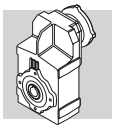
5.5 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE2	IE3		IE2	IE3	
11.0	4443	1.8	132.7	45000	**F803_132.7 S4 ME4SB4**	**F803_132.7 S4 MX4SB4**	437	**F803_132.7 P132 BE132S4**	**F803_132.7 P132 BX132SB4**	438
11.5	4244	3.3	126.8	55000	**F903_126.8 S4 ME4SB4**	**F903_126.8 S4 MX4SB4**	440	**F903_126.8 P132 BE132S4**	**F903_126.8 P132 BX132SB4**	441
11.9	4109	1.2	122.7	35000	**F703_122.7 S4 ME4SB4**	**F703_122.7 S4 MX4SB4**	434	**F703_122.7 P132 BE132S4**	**F703_122.7 P132 BX132SB4**	435
11.9	4101	2.0	122.5	45000	**F803_122.5 S4 ME4SB4**	**F803_122.5 S4 MX4SB4**	437	**F803_122.5 P132 BE132S4**	**F803_122.5 P132 BX132SB4**	438
12.8	3808	2.1	113.8	45000	**F803_113.8 S4 ME4SB4**	**F803_113.8 S4 MX4SB4**	437	**F803_113.8 P132 BE132S4**	**F803_113.8 P132 BX132SB4**	438
13.3	3670	1.4	109.6	35000	**F703_109.6 S4 ME4SB4**	**F703_109.6 S4 MX4SB4**	434	**F703_109.6 P132 BE132S4**	**F703_109.6 P132 BX132SB4**	435
13.9	3515	2.3	105.0	45000	**F803_105.0 S4 ME4SB4**	**F803_105.0 S4 MX4SB4**	437	**F803_105.0 P132 BE132S4**	**F803_105.0 P132 BX132SB4**	438
14.4	3388	1.5	101.2	35000	**F703_101.2 S4 ME4SB4**	**F703_101.2 S4 MX4SB4**	434	**F703_101.2 P132 BE132S4**	**F703_101.2 P132 BX132SB4**	435
15.8	3097	1.6	92.5	35000	**F703_92.5 S4 ME4SB4**	**F703_92.5 S4 MX4SB4**	434	**F703_92.5 P132 BE132S4**	**F703_92.5 P132 BX132SB4**	435
15.8	3090	2.6	92.3	45000	**F803_92.3 S4 ME4SB4**	**F803_92.3 S4 MX4SB4**	437	**F803_92.3 P132 BE132S4**	**F803_92.3 P132 BX132SB4**	438
17.1	2859	1.7	85.4	35000	**F703_85.4 S4 ME4SB4**	**F703_85.4 S4 MX4SB4**	434	**F703_85.4 P132 BE132S4**	**F703_85.4 P132 BX132SB4**	435
17.1	2853	2.8	85.2	45000	**F803_85.2 S4 ME4SB4**	**F803_85.2 S4 MX4SB4**	437	**F803_85.2 P132 BE132S4**	**F803_85.2 P132 BX132SB4**	438
17.4	2813	1.0	84.0	20000	**F603_84.0 S4 ME4SB4**	**F603_84.0 S4 MX4SB4**	430	**F603_84.0 P132 BE132S4**	**F603_84.0 P132 BX132SB4**	431
18.8	2597	1.1	77.6	20000	**F603_77.6 S4 ME4SB4**	**F603_77.6 S4 MX4SB4**	430	**F603_77.6 P132 BE132S4**	**F603_77.6 P132 BX132SB4**	431
19.1	2553	3.1	76.3	45000	**F803_76.3 S4 ME4SB4**	**F803_76.3 S4 MX4SB4**	437	**F803_76.3 P132 BE132S4**	**F803_76.3 P132 BX132SB4**	438
19.8	2463	2.0	73.6	35000	**F703_73.6 S4 ME4SB4**	**F703_73.6 S4 MX4SB4**	434	**F703_73.6 P132 BE132S4**	**F703_73.6 P132 BX132SB4**	435
20.7	2356	3.4	70.4	45000	**F803_70.4 S4 ME4SB4**	**F803_70.4 S4 MX4SB4**	437	**F803_70.4 P132 BE132S4**	**F803_70.4 P132 BX132SB4**	438
21.4	2286	1.3	68.3	20000	**F603_68.3 S4 ME4SB4**	**F603_68.3 S4 MX4SB4**	430	**F603_68.3 P132 BE132S4**	**F603_68.3 P132 BX132SB4**	431
21.5	2273	2.2	67.9	35000	**F703_67.9 S4 ME4SB4**	**F703_67.9 S4 MX4SB4**	434	**F703_67.9 P132 BE132S4**	**F703_67.9 P132 BX132SB4**	435
23.2	2110	1.4	63.0	20000	**F603_63.0 S4 ME4SB4**	**F603_63.0 S4 MX4SB4**	430	**F603_63.0 P132 BE132S4**	**F603_63.0 P132 BX132SB4**	431
23.4	2093	2.4	62.5	35000	**F703_62.5 S4 ME4SB4**	**F703_62.5 S4 MX4SB4**	434	**F703_62.5 P132 BE132S4**	**F703_62.5 P132 BX132SB4**	435
25.3	1932	2.6	57.7	35000	**F703_57.7 S4 ME4SB4**	**F703_57.7 S4 MX4SB4**	434	**F703_57.7 P132 BE132S4**	**F703_57.7 P132 BX132SB4**	435
28.2	1735	1.7	51.8	20000	**F603_51.8 S4 ME4SB4**	**F603_51.8 S4 MX4SB4**	430	**F603_51.8 P132 BE132S4**	**F603_51.8 P132 BX132SB4**	431
30	1639	3.1	49.0	35000	**F703_49.0 S4 ME4SB4**	**F703_49.0 S4 MX4SB4**	434	**F703_49.0 P132 BE132S4**	**F703_49.0 P132 BX132SB4**	435
30	1637	1.1	48.9	10300	**F513_48.9 S4 ME4SB4**	**F513_48.9 S4 MX4SB4**	426	**F513_48.9 P132 BE132S4**	**F513_48.9 P132 BX132SB4**	427
31	1602	1.8	47.8	20000	**F603_47.8 S4 ME4SB4**	**F603_47.8 S4 MX4SB4**	430	**F603_47.8 P132 BE132S4**	**F603_47.8 P132 BX132SB4**	431
32	1513	3.3	45.2	34300	**F703_45.2 S4 ME4SB4**	**F703_45.2 S4 MX4SB4**	434	**F703_45.2 P132 BE132S4**	**F703_45.2 P132 BX132SB4**	435
35	1409	2.1	42.1	20000	**F603_42.1 S4 ME4SB4**	**F603_42.1 S4 MX4SB4**	430	**F603_42.1 P132 BE132S4**	**F603_42.1 P132 BX132SB4**	431
38	1301	2.2	38.8	20000	**F603_38.8 S4 ME4SB4**	**F603_38.8 S4 MX4SB4**	430	**F603_38.8 P132 BE132S4**	**F603_38.8 P132 BX132SB4**	431
39	1270	1.3	37.1	10300	**F512_37.1 S4 ME4SB4**	**F512_37.1 S4 MX4SB4**	426	**F512_37.1 P132 BE132S4**	**F512_37.1 P132 BX132SB4**	427
46	1074	2.7	32.1	20000	**F603_32.1 S4 ME4SB4**	**F603_32.1 S4 MX4SB4**	430	**F603_32.1 P132 BE132S4**	**F603_32.1 P132 BX132SB4**	431
48	1030	1.1	30.1	6580	**F412_30.1 S4 ME4SB4**	**F412_30.1 S4 MX4SB4**	422	**F412_30.1 P132 BE132S4**	**F412_30.1 P132 BX132SB4**	423
49	1027	1.7	30.0	9950	**F512_30.0 S4 ME4SB4**	**F512_30.0 S4 MX4SB4**	426	**F512_30.0 P132 BE132S4**	**F512_30.0 P132 BX132SB4**	427
49	992	2.9	29.6	20000	**F603_29.6 S4 ME4SB4**	**F603_29.6 S4 MX4SB4**	430	**F603_29.6 P132 BE132S4**	**F603_29.6 P132 BX132SB4**	431
57	851	2.2	25.4	20000	**F603_25.4 S4 ME4SB4**	**F603_25.4 S4 MX4SB4**	430	**F603_25.4 P132 BE132S4**	**F603_25.4 P132 BX132SB4**	431
61	825	1.3	24.1	6580	**F412_24.1 S4 ME4SB4**	**F412_24.1 S4 MX4SB4**	422	**F412_24.1 P132 BE132S4**	**F412_24.1 P132 BX132SB4**	423
61	814	2.0	23.8	9560	**F512_23.8 S4 ME4SB4**	**F512_23.8 S4 MX4SB4**	426	**F512_23.8 P132 BE132S4**	**F512_23.8 P132 BX132SB4**	427
62	786	2.4	23.5	20000	**F603_23.5 S4 ME4SB4**	**F603_23.5 S4 MX4SB4**	430	**F603_23.5 P132 BE132S4**	**F603_23.5 P132 BX132SB4**	431
71	692	2.7	20.7	20000	**F603_20.7 S4 ME4SB4**	**F603_20.7 S4 MX4SB4**	430	**F603_20.7 P132 BE132S4**	**F603_20.7 P132 BX132SB4**	431
77	638	3.0	19.1	20000	**F603_19.1 S4 ME4SB4**	**F603_19.1 S4 MX4SB4**	430	**F603_19.1 P132 BE132S4**	**F603_19.1 P132 BX132SB4**	431
77	646	1.7	18.9	6480	**F412_18.9 S4 ME4SB4**	**F412_18.9 S4 MX4SB4**	422	**F412_18.9 P132 BE132S4**	**F412_18.9 P132 BX132SB4**	423
78	644	2.4	18.8	9110	**F512_18.8 S4 ME4SB4**	**F512_18.8 S4 MX4SB4**	426	**F512_18.8 P132 BE132S4**	**F512_18.8 P132 BX132SB4**	427
79	632	0.9	18.5	4480	**F312_18.5 S4 ME4SB4**	**F312_18.5 S4 MX4SB4**	418	**F312_18.5 P132 BE132S4**	**F312_18.5 P132 BX132SB4**	419
85	585	1.8	17.1	6410	**F412_17.1 S4 ME4SB4**	**F412_17.1 S4 MX4SB4**	422	**F412_17.1 P132 BE132S4**	**F412_17.1 P132 BX132SB4**	423
87	575	1.0	16.8	4300	**F312_16.8 S4 ME4SB4**	**F312_16.8 S4 MX4SB4**	418	**F312_16.8 P132 BE132S4**	**F312_16.8 P132 BX132SB4**	419
100	500	2.0	14.6	6280	**F412_14.6 S4 ME4SB4**	**F412_14.6 S4 MX4SB4**	422	**F412_14.6 P132 BE132S4**	**F412_14.6 P132 BX132SB4**	423
104	478	3.0	14.0	8520	**F512_14.0 S4 ME4SB4**	**F512_14.0 S4 MX4SB4**	426	**F512_14.0 P132 BE132S4**	**F512_14.0 P132 BX132SB4**	427
105	477	1.3	13.9	4180	**F312_13.9 S4 ME4SB4**	**F312_13.9 S4 MX4SB4**	418	**F312_13.9 P132 BE132S4**	**F312_13.9 P132 BX132SB4**	419
115	435	1.4	12.7	3980	**F312_12.7 S4 ME4SB4**	**F312_12.7 S4 MX4SB4**	418	**F312_12.7 P132 BE132S4**	**F312_12.7 P132 BX132SB4**	419
131	380	3.5	11.1	8050	**F512_11.1 S4 ME4SB4**	**F512_11.1 S4 MX4SB4**	426	**F512_11.1 P132 BE132S4**	**F512_11.1 P132 BX132SB4**	427
136	368	2.4	10.8	5970	**F412_10.8 S4 ME4SB4**	**F412_10.8 S4 MX4SB4**	422	**F412_10.8 P132 BE132S4**	**F412_10.8 P132 BX132SB4**	423
136	368	1.6	10.7	3880	**F312_10.7 S4 ME4SB4**	**F312_10.7 S4 MX4SB4**	418	**F312_10.7 P132 BE132S4**	**F312_10.7 P132 BX132SB4**	419
160	312	2.2	9.1	5810	**F412_9.1 S4 ME4SB4**	**F412_9.1 S4 MX4SB4**	422	**F412_9.1 P132 BE132S4**	**F412_9.1 P132 BX132SB4**	423
161	310	3.6	9.1	7590	**F512_9.1 S4 ME4SB4**	**F512_9.1 S4 MX4SB4**	426	**F512_9.1 P132 BE132S4**	**F512_9.1 P132 BX132SB4**	427
162	308	1.3	9.0	3850	**F312_9.0 S4 ME4SB4**	**F312_9.0 S4 MX4SB4**	418	**F312_9.0 P132 BE132S4**	**F312_9.0 P132 BX132SB4**	419
177	281	1.4	8.2	3750	**F312_8.2 S4 ME4SB4**	**F312_8.2 S4 MX4SB4**	418	**F312_8.2 P132 BE132S4**	**F312_8.2 P132 BX132SB4**	419
200	250	3.3	14.6	5510	**F412_14.6 S4 ME4SB2**		422	**F412_14.6 P132 BE132SA2**		423
210	238	1.6	6.9	3610	**F312_6.9 S4 ME4SB4**	**F312_6.9 S4 MX4SB4**	418	**F312_6.9 P132 BE132S4**	**F312_6.9 P132 BX132SB4**	419
217	230	2.8	6.7	5430	**F412_6.7 S4 ME4SB4**	**F412_6.7 S4 MX4SB4**	422	**F412_6.7 P132 BE132S4**	**F412_6.7 P132 BX132SB4**	423
272	184	4.0	10.8	5120	**F412_10.8 S4 ME4SB2**		422	**F412_10.8 P132 BE132SA2**		423
320	156	3.9	9.1	4930	**F412_9.1 S4 ME4SB2**		422	**F412_9.1 P132 BE132SA2**		423



7.5 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE2	IE3		IE2	IE3	
4.0	15957	0.9	361.8	55000	**F904_361.8 S4 ME4LA4**	**F904_361.8 S4 MX4LA4**	440	**F904_361.8 P132 BE132MA4**	**F904_361.8 P132 BX132MA4**	441
5.0	12838	1.1	291.1	55000	**F904_291.1 S4 ME4LA4**	**F904_291.1 S4 MX4LA4**	440	**F904_291.1 P132 BE132MA4**	**F904_291.1 P132 BX132MA4**	441
5.4	11851	1.2	268.7	55000	**F904_268.7 S4 ME4LA4**	**F904_268.7 S4 MX4LA4**	440	**F904_268.7 P132 BE132MA4**	**F904_268.7 P132 BX132MA4**	441
6.3	10204	1.4	231.4	55000	**F904_231.4 S4 ME4LA4**	**F904_231.4 S4 MX4LA4**	440	**F904_231.4 P132 BE132MA4**	**F904_231.4 P132 BX132MA4**	441
6.8	9419	1.5	213.6	55000	**F904_213.6 S4 ME4LA4**	**F904_213.6 S4 MX4LA4**	440	**F904_213.6 P132 BE132MA4**	**F904_213.6 P132 BX132MA4**	441
7.3	9114	0.9	200.0	45000	**F803_200.0 S4 ME4LA4**	**F803_200.0 S4 MX4LA4**	437	**F803_200.0 P132 BE132MA4**	**F803_200.0 P132 BX132MA4**	438
7.5	8848	1.6	194.2	55000	**F903_194.2 S4 ME4LA4**	**F903_194.2 S4 MX4LA4**	440	**F903_194.2 P132 BE132MA4**	**F903_194.2 P132 BX132MA4**	441
7.9	8413	1.0	184.6	45000	**F803_184.6 S4 ME4LA4**	**F803_184.6 S4 MX4LA4**	437	**F803_184.6 P132 BE132MA4**	**F803_184.6 P132 BX132MA4**	438
8.1	8167	1.7	179.2	55000	**F903_179.2 S4 ME4LA4**	**F903_179.2 S4 MX4LA4**	440	**F903_179.2 P132 BE132MA4**	**F903_179.2 P132 BX132MA4**	441
8.9	7420	1.9	162.8	55000	**F903_162.8 S4 ME4LA4**	**F903_162.8 S4 MX4LA4**	440	**F903_162.8 P132 BE132MA4**	**F903_162.8 P132 BX132MA4**	441
9.1	7302	1.1	160.2	45000	**F803_160.2 S4 ME4LA4**	**F803_160.2 S4 MX4LA4**	437	**F803_160.2 P132 BE132MA4**	**F803_160.2 P132 BX132MA4**	438
9.7	6849	2.0	150.3	55000	**F903_150.3 S4 ME4LA4**	**F903_150.3 S4 MX4LA4**	440	**F903_150.3 P132 BE132MA4**	**F903_150.3 P132 BX132MA4**	441
9.8	6740	1.2	147.9	45000	**F803_147.9 S4 ME4LA4**	**F803_147.9 S4 MX4LA4**	437	**F803_147.9 P132 BE132MA4**	**F803_147.9 P132 BX132MA4**	438
10.6	6259	2.2	137.3	55000	**F903_137.3 S4 ME4LA4**	**F903_137.3 S4 MX4LA4**	440	**F903_137.3 P132 BE132MA4**	**F903_137.3 P132 BX132MA4**	441
11.0	6047	1.3	132.7	45000	**F803_132.7 S4 ME4LA4**	**F803_132.7 S4 MX4LA4**	437	**F803_132.7 P132 BE132MA4**	**F803_132.7 P132 BX132MA4**	438
11.5	5777	2.4	126.8	55000	**F903_126.8 S4 ME4LA4**	**F903_126.8 S4 MX4LA4**	440	**F903_126.8 P132 BE132MA4**	**F903_126.8 P132 BX132MA4**	441
11.9	5593	0.9	122.7	35000	**F703_122.7 S4 ME4LA4**	**F703_122.7 S4 MX4LA4**	434	**F703_122.7 P132 BE132MA4**	**F703_122.7 P132 BX132MA4**	435
11.9	5582	1.4	122.5	45000	**F803_122.5 S4 ME4LA4**	**F803_122.5 S4 MX4LA4**	437	**F803_122.5 P132 BE132MA4**	**F803_122.5 P132 BX132MA4**	438
12.8	5184	1.5	113.8	45000	**F803_113.8 S4 ME4LA4**	**F803_113.8 S4 MX4LA4**	437	**F803_113.8 P132 BE132MA4**	**F803_113.8 P132 BX132MA4**	438
13.0	5101	2.7	111.9	55000	**F903_111.9 S4 ME4LA4**	**F903_111.9 S4 MX4LA4**	440	**F903_111.9 P132 BE132MA4**	**F903_111.9 P132 BX132MA4**	441
13.3	4995	1.0	109.6	35000	**F703_109.6 S4 ME4LA4**	**F703_109.6 S4 MX4LA4**	434	**F703_109.6 P132 BE132MA4**	**F703_109.6 P132 BX132MA4**	435
13.9	4785	1.7	105.0	45000	**F803_105.0 S4 ME4LA4**	**F803_105.0 S4 MX4LA4**	437	**F803_105.0 P132 BE132MA4**	**F803_105.0 P132 BX132MA4**	438
14.1	4709	3.0	103.3	55000	**F903_103.3 S4 ME4LA4**	**F903_103.3 S4 MX4LA4**	440	**F903_103.3 P132 BE132MA4**	**F903_103.3 P132 BX132MA4**	441
14.4	4611	1.1	101.2	35000	**F703_101.2 S4 ME4LA4**	**F703_101.2 S4 MX4LA4**	434	**F703_101.2 P132 BE132MA4**	**F703_101.2 P132 BX132MA4**	435
15.2	4364	3.2	95.8	55000	**F903_95.8 S4 ME4LA4**	**F903_95.8 S4 MX4LA4**	440	**F903_95.8 P132 BE132MA4**	**F903_95.8 P132 BX132MA4**	441
15.7	4215	1.2	92.5	35000	**F703_92.5 S4 ME4LA4**	**F703_92.5 S4 MX4LA4**	434	**F703_92.5 P132 BE132MA4**	**F703_92.5 P132 BX132MA4**	435
15.8	4206	1.9	92.3	45000	**F803_92.3 S4 ME4LA4**	**F803_92.3 S4 MX4LA4**	437	**F803_92.3 P132 BE132MA4**	**F803_92.3 P132 BX132MA4**	438
16.5	4028	3.5	88.4	55000	**F903_88.4 S4 ME4LA4**	**F903_88.4 S4 MX4LA4**	440	**F903_88.4 P132 BE132MA4**	**F903_88.4 P132 BX132MA4**	441
17.0	3891	1.3	85.4	35000	**F703_85.4 S4 ME4LA4**	**F703_85.4 S4 MX4LA4**	434	**F703_85.4 P132 BE132MA4**	**F703_85.4 P132 BX132MA4**	435
17.1	3883	2.1	85.2	45000	**F803_85.2 S4 ME4LA4**	**F803_85.2 S4 MX4LA4**	437	**F803_85.2 P132 BE132MA4**	**F803_85.2 P132 BX132MA4**	438
19.1	3475	2.3	76.3	45000	**F803_76.3 S4 ME4LA4**	**F803_76.3 S4 MX4LA4**	437	**F803_76.3 P132 BE132MA4**	**F803_76.3 P132 BX132MA4**	438
19.8	3352	1.5	73.6	35000	**F703_73.6 S4 ME4LA4**	**F703_73.6 S4 MX4LA4**	434	**F703_73.6 P132 BE132MA4**	**F703_73.6 P132 BX132MA4**	435
20.7	3207	2.5	70.4	44700	**F803_70.4 S4 ME4LA4**	**F803_70.4 S4 MX4LA4**	437	**F803_70.4 P132 BE132MA4**	**F803_70.4 P132 BX132MA4**	438
21.3	3112	0.9	68.3	20000	**F603_68.3 S4 ME4LA4**	**F603_68.3 S4 MX4LA4**	430	**F603_68.3 P132 BE132MA4**	**F603_68.3 P132 BX132MA4**	431
21.4	3094	1.6	67.9	35000	**F703_67.9 S4 ME4LA4**	**F703_67.9 S4 MX4LA4**	434	**F703_67.9 P132 BE132MA4**	**F703_67.9 P132 BX132MA4**	435
23.1	2872	1.0	63.0	20000	**F603_63.0 S4 ME4LA4**	**F603_63.0 S4 MX4LA4**	430	**F603_63.0 P132 BE132MA4**	**F603_63.0 P132 BX132MA4**	431
23.3	2848	1.8	62.5	35000	**F703_62.5 S4 ME4LA4**	**F703_62.5 S4 MX4LA4**	434	**F703_62.5 P132 BE132MA4**	**F703_62.5 P132 BX132MA4**	435
23.7	2801	2.9	61.5	43500	**F803_61.5 S4 ME4LA4**	**F803_61.5 S4 MX4LA4**	437	**F803_61.5 P132 BE132MA4**	**F803_61.5 P132 BX132MA4**	438
25.2	2629	1.9	57.7	34900	**F703_57.7 S4 ME4LA4**	**F703_57.7 S4 MX4LA4**	434	**F703_57.7 P132 BE132MA4**	**F703_57.7 P132 BX132MA4**	435
25.6	2585	3.1	56.7	42600	**F803_56.7 S4 ME4LA4**	**F803_56.7 S4 MX4LA4**	437	**F803_56.7 P132 BE132MA4**	**F803_56.7 P132 BX132MA4**	438
28.1	2362	1.2	51.8	20000	**F603_51.8 S4 ME4LA4**	**F603_51.8 S4 MX4LA4**	430	**F603_51.8 P132 BE132MA4**	**F603_51.8 P132 BX132MA4**	431
29.7	2231	2.2	49.0	33800	**F703_49.0 S4 ME4LA4**	**F703_49.0 S4 MX4LA4**	434	**F703_49.0 P132 BE132MA4**	**F703_49.0 P132 BX132MA4**	435
30	2180	1.3	47.8	20000	**F603_47.8 S4 ME4LA4**	**F603_47.8 S4 MX4LA4**	430	**F603_47.8 P132 BE132MA4**	**F603_47.8 P132 BX132MA4**	431
32	2059	2.4	45.2	33200	**F703_45.2 S4 ME4LA4**	**F703_45.2 S4 MX4LA4**	434	**F703_45.2 P132 BE132MA4**	**F703_45.2 P132 BX132MA4**	435
35	1918	1.5	42.1	20000	**F603_42.1 S4 ME4LA4**	**F603_42.1 S4 MX4LA4**	430	**F603_42.1 P132 BE132MA4**	**F603_42.1 P132 BX132MA4**	431
37	1770	1.6	38.8	20000	**F603_38.8 S4 ME4LA4**	**F603_38.8 S4 MX4LA4**	430	**F603_38.8 P132 BE132MA4**	**F603_38.8 P132 BX132MA4**	431
39	1729	1.0	37.1	9090	**F512_37.1 S4 ME4LA4**	**F512_37.1 S4 MX4LA4**	426	**F512_37.1 P132 BE132MA4**	**F512_37.1 P132 BX132MA4**	427
45	1462	2.0	32.1	20000	**F603_32.1 S4 ME4LA4**	**F603_32.1 S4 MX4LA4**	430	**F603_32.1 P132 BE132MA4**	**F603_32.1 P132 BX132MA4**	431
48	1398	1.2	30.0	9010	**F512_30.0 S4 ME4LA4**	**F512_30.0 S4 MX4LA4**	426	**F512_30.0 P132 BE132MA4**	**F512_30.0 P132 BX132MA4**	427
49	1350	2.1	29.6	20000	**F603_29.6 S4 ME4LA4**	**F603_29.6 S4 MX4LA4**	430	**F603_29.6 P132 BE132MA4**	**F603_29.6 P132 BX132MA4**	431
57	1158	1.6	25.4	20000	**F603_25.4 S4 ME4LA4**	**F603_25.4 S4 MX4LA4**	430	**F603_25.4 P132 BE132MA4**	**F603_25.4 P132 BX132MA4**	431
60	1123	1.0	24.1	5500	**F412_24.1 S4 ME4LA4**	**F412_24.1 S4 MX4LA4**	422	**F412_24.1 P132 BE132MA4**	**F412_24.1 P132 BX132MA4**	423
61	1108	1.5	23.8	8810	**F512_23.8 S4 ME4LA4**	**F512_23.8 S4 MX4LA4**	426	**F512_23.8 P132 BE132MA4**	**F512_23.8 P132 BX132MA4**	427
62	1069	1.8	23.5	20000	**F603_23.5 S4 ME4LA4**	**F603_23.5 S4 MX4LA4**	430	**F603_23.5 P132 BE132MA4**	**F603_23.5 P132 BX132MA4**	431
70	941	2.0	20.7	20000	**F603_20.7 S4 ME4LA4**	**F603_20.7 S4 MX4LA4**	430	**F603_20.7 P132 BE132MA4**	**F603_20.7 P132 BX132MA4**	431
76	869	2.2	19.1	20000	**F603_19.1 S4 ME4LA4**	**F603_19.1 S4 MX4LA4**	430	**F603_19.1 P132 BE132MA4**	**F603_19.1 P132 BX132MA4**	431
77	879	1.2	18.9	5630	**F412_18.9 S4 ME4LA4**	**F412_18.9 S4 MX4LA4**	422	**F412_18.9 P132 BE132MA4**	**F412_18.9 P132 BX132MA4**	423
77	876	1.8	18.8	8520	**F512_18.8 S4 ME4LA4**	**F512_18.8 S4 MX4LA4**	426	**F512_18.8 P132 BE132MA4**	**F512_18.8 P132 BX132MA4**	427
85	797	1.3	17.1	5650	**F412_17.1 S4 ME4LA4**	**F412_17.1 S4 MX4LA4**	422	**F412_17.1 P132 BE132MA4**	**F412_17.1 P132 BX132MA4**	423
93	715	2.7	15.7	20000	**F603_15.7 S4 ME4LA4**	**F603_15.7 S4 MX4LA4**	430	**F603_15.7 P132 BE132MA4**	**F603_15.7 P132 BX132MA4**	431
99	681	1.5	14.6	5630	**F412_14.6 S4 ME4LA4**	**F412_14.6 S4 MX4LA4**	422	**F412_14.6 P132 BE132MA4**	**F412_14.6 P132 BX132MA4**	423
101	660	2.9	14.5	20000	**F603_14.5 S4 ME4LA4**	**F603_14.5 S4 MX4LA4**	430	**F603_14.5 P132 BE132MA4**	**F603_14.5 P132 BX132MA4**	431
104	651	2.2	14.0	8080	**F512_14.0 S4 ME4LA4**	**F512_14.0 S4 MX4LA4**	426	**F512_14.0 P132 BE132MA4**	**F512_14.0 P132 BX132MA4**	427
104	649	0.9	13.9	3980	**F312_13.9 S4 ME4LA4**	**F312_13.9 S4 MX4LA4**	418	**F312_13.9 P132 BE132MA4**	**F312_13.9 P132 BX132MA4**	419
114	580	3.3	12.7	19900	**F603_12.7 S4 ME4LA4**	**F603_12.7 S4 MX4LA4**	430	**F603_12.7 P132 BE132MA4**	**F603_12.7 P132 BX132MA4**	431

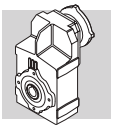


7.5 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE2	IE3		IE2	IE3	
114	592	1.0	12.7	3880	**F312_12.7 S4 ME4LA4**	**F312_12.7 S4 MX4LA4**	418	**F312_12.7 P132 BE132MA4**	**F312_12.7 P132 BX132MA4**	419
124	536	3.5	11.8	19500	**F603_11.8 S4 ME4LA4**	**F603_11.8 S4 MX4LA4**	430	**F603_11.8 P132 BE132MA4**	**F603_11.8 P132 BX132MA4**	431
131	517	2.6	11.1	7700	**F512_11.1 S4 ME4LA4**	**F512_11.1 S4 MX4LA4**	426	**F512_11.1 P132 BE132MA4**	**F512_11.1 P132 BX132MA4**	427
135	501	1.8	10.8	5490	**F412_10.8 S4 ME4LA4**	**F412_10.8 S4 MX4LA4**	422	**F412_10.8 P132 BE132MA4**	**F412_10.8 P132 BX132MA4**	423
135	500	1.2	10.7	3730	**F312_10.7 S4 ME4LA4**	**F312_10.7 S4 MX4LA4**	418	**F312_10.7 P132 BE132MA4**	**F312_10.7 P132 BX132MA4**	419
159	425	1.6	9.1	5410	**F412_9.1 S4 ME4LA4**	**F412_9.1 S4 MX4LA4**	422	**F412_9.1 P132 BE132MA4**	**F412_9.1 P132 BX132MA4**	423
161	421	2.6	9.1	7290	**F512_9.1 S4 ME4LA4**	**F512_9.1 S4 MX4LA4**	426	**F512_9.1 P132 BE132MA4**	**F512_9.1 P132 BX132MA4**	427
161	420	0.9	9.0	3770	**F312_9.0 S4 ME4LA4**	**F312_9.0 S4 MX4LA4**	418	**F312_9.0 P132 BE132MA4**	**F312_9.0 P132 BX132MA4**	419
177	383	1.0	8.2	3680	**F312_8.2 S4 ME4LA4**	**F312_8.2 S4 MX4LA4**	418	**F312_8.2 P132 BE132MA4**	**F312_8.2 P132 BX132MA4**	419
202	335	2.9	7.2	6900	**F512_7.2 S4 ME4LA4**	**F512_7.2 S4 MX4LA4**	426	**F512_7.2 P132 BE132MA4**	**F512_7.2 P132 BX132MA4**	427
209	323	1.2	6.9	3520	**F312_6.9 S4 ME4LA4**	**F312_6.9 S4 MX4LA4**	418	**F312_6.9 P132 BE132MA4**	**F312_6.9 P132 BX132MA4**	419
216	313	2.0	6.7	5140	**F412_6.7 S4 ME4LA4**	**F412_6.7 S4 MX4LA4**	422	**F412_6.7 P132 BE132MA4**	**F412_6.7 P132 BX132MA4**	423
272	251	2.9	10.8	4880	**F412_10.8 S4 ME4LA2**		422	**F412_10.8 P132 BE132SB2**		423
320	213	2.9	9.1	4730	**F412_9.1 S4 ME4LA2**		422	**F412_9.1 P132 BE132SB2**		423
435	156	3.3	6.7	4390	**F412_6.7 S4 ME4LA2**		422	**F412_6.7 P132 BE132SB2**		423

9.2 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE2	IE3		IE2	IE3	
5.0	15983	0.9	291.1	55000	**F904_291.1 S4 ME4LB4**		440	**F904_291.1 P132 BE132MB4**	**F904_291.1 P160 BX160MA4**	441
5.4	14753	0.9	268.7	55000	**F904_268.7 S4 ME4LB4**		440	**F904_268.7 P132 BE132MB4**	**F904_268.7 P160 BX160MA4**	441
6.3	12703	1.1	231.4	55000	**F904_231.4 S4 ME4LB4**		440	**F904_231.4 P132 BE132MB4**	**F904_231.4 P160 BX160MA4**	441
6.8	11726	1.2	213.6	55000	**F904_213.6 S4 ME4LB4**		440	**F904_213.6 P132 BE132MB4**	**F904_213.6 P160 BX160MA4**	441
7.5	11014	1.3	194.2	55000	**F903_194.2 S4 ME4LB4**	**F903_194.2 S5 MX5SA4**	440	**F903_194.2 P132 BE132MB4**	**F903_194.2 P160 BX160MA4**	441
8.1	10167	1.4	179.2	55000	**F903_179.2 S4 ME4LB4**	**F903_179.2 S5 MX5SA4**	440	**F903_179.2 P132 BE132MB4**	**F903_179.2 P160 BX160MA4**	441
8.9	9237	1.5	162.8	55000	**F903_162.8 S4 ME4LB4**	**F903_162.8 S5 MX5SA4**	440	**F903_162.8 P132 BE132MB4**	**F903_162.8 P160 BX160MA4**	441
9.0	9090	0.9	160.2	45000	**F803_160.2 S4 ME4LB4**	**F803_160.2 S5 MX5SA4**	437	**F803_160.2 P132 BE132MB4**	**F803_160.2 P160 BX160MA4**	438
9.6	8527	1.6	150.3	55000	**F903_150.3 S4 ME4LB4**	**F903_150.3 S5 MX5SA4**	440	**F903_150.3 P132 BE132MB4**	**F903_150.3 P160 BX160MA4**	441
9.8	8390	1.0	147.9	45000	**F803_147.9 S4 ME4LB4**	**F803_147.9 S5 MX5SA4**	437	**F803_147.9 P132 BE132MB4**	**F803_147.9 P160 BX160MA4**	438
10.6	7791	1.8	137.3	55000	**F903_137.3 S4 ME4LB4**	**F903_137.3 S5 MX5SA4**	440	**F903_137.3 P132 BE132MB4**	**F903_137.3 P160 BX160MA4**	441
10.9	7528	1.1	132.7	45000	**F803_132.7 S4 ME4LB4**	**F803_132.7 S5 MX5SA4**	437	**F803_132.7 P132 BE132MB4**	**F803_132.7 P160 BX160MA4**	438
11.4	7192	1.9	126.8	55000	**F903_126.8 S4 ME4LB4**	**F903_126.8 S5 MX5SA4**	440	**F903_126.8 P132 BE132MB4**	**F903_126.8 P160 BX160MA4**	441
11.8	6949	1.2	122.5	45000	**F803_122.5 S4 ME4LB4**	**F803_122.5 S5 MX5SA4**	437	**F803_122.5 P132 BE132MB4**	**F803_122.5 P160 BX160MA4**	438
12.7	6453	1.2	113.8	45000	**F803_113.8 S4 ME4LB4**	**F803_113.8 S5 MX5SA4**	437	**F803_113.8 P132 BE132MB4**	**F803_113.8 P160 BX160MA4**	438
13.0	6351	2.2	111.9	55000	**F903_111.9 S4 ME4LB4**	**F903_111.9 S5 MX5SA4**	440	**F903_111.9 P132 BE132MB4**	**F903_111.9 P160 BX160MA4**	441
13.8	5957	1.3	105.0	45000	**F803_105.0 S4 ME4LB4**	**F803_105.0 S5 MX5SA4**	437	**F803_105.0 P132 BE132MB4**	**F803_105.0 P160 BX160MA4**	438
14.0	5862	2.4	103.3	55000	**F903_103.3 S4 ME4LB4**	**F903_103.3 S5 MX5SA4**	440	**F903_103.3 P132 BE132MB4**	**F903_103.3 P160 BX160MA4**	441
15.1	5432	2.6	95.8	55000	**F903_95.8 S4 ME4LB4**	**F903_95.8 S5 MX5SA4**	440	**F903_95.8 P132 BE132MB4**	**F903_95.8 P160 BX160MA4**	441
15.7	5248	1.0	92.5	35000	**F703_92.5 S4 ME4LB4**	**F703_92.5 S5 MX5SA4**	434	**F703_92.5 P132 BE132MB4**	**F703_92.5 P160 BX160MA4**	435
15.7	5237	1.5	92.3	45000	**F803_92.3 S4 ME4LB4**	**F803_92.3 S5 MX5SA4**	437	**F803_92.3 P132 BE132MB4**	**F803_92.3 P160 BX160MA4**	438
16.4	5015	2.8	88.4	55000	**F903_88.4 S4 ME4LB4**	**F903_88.4 S5 MX5SA4**	440	**F903_88.4 P132 BE132MB4**	**F903_88.4 P160 BX160MA4**	441
17.0	4844	1.0	85.4	35000	**F703_85.4 S4 ME4LB4**	**F703_85.4 S5 MX5SA4**	434	**F703_85.4 P132 BE132MB4**	**F703_85.4 P160 BX160MA4**	435
17.0	4834	1.7	85.2	45000	**F803_85.2 S4 ME4LB4**	**F803_85.2 S5 MX5SA4**	437	**F803_85.2 P132 BE132MB4**	**F803_85.2 P160 BX160MA4**	438
18.9	4348	3.2	76.7	55000	**F903_76.7 S4 ME4LB4**	**F903_76.7 S5 MX5SA4**	440	**F903_76.7 P132 BE132MB4**	**F903_76.7 P160 BX160MA4**	441
19.0	4326	1.8	76.3	44100	**F803_76.3 S4 ME4LB4**	**F803_76.3 S5 MX5SA4**	437	**F803_76.3 P132 BE132MB4**	**F803_76.3 P160 BX160MA4**	438
19.7	4173	1.2	73.6	35000	**F703_73.6 S4 ME4LB4**	**F703_73.6 S5 MX5SA4**	434	**F703_73.6 P132 BE132MB4**	**F703_73.6 P160 BX160MA4**	435
20.5	4014	3.5	70.8	55000	**F903_70.8 S4 ME4LB4**	**F903_70.8 S5 MX5SA4**	440	**F903_70.8 P132 BE132MB4**	**F903_70.8 P160 BX160MA4**	441
20.6	3993	2.0	70.4	43700	**F803_70.4 S4 ME4LB4**	**F803_70.4 S5 MX5SA4**	437	**F803_70.4 P132 BE132MB4**	**F803_70.4 P160 BX160MA4**	438
21.4	3852	1.3	67.9	34600	**F703_67.9 S4 ME4LB4**	**F703_67.9 S5 MX5SA4**	434	**F703_67.9 P132 BE132MB4**	**F703_67.9 P160 BX160MA4**	435
23.2	3546	1.4	62.5	34200	**F703_62.5 S4 ME4LB4**	**F703_62.5 S5 MX5SA4**	434	**F703_62.5 P132 BE132MB4**	**F703_62.5 P160 BX160MA4**	435
23.6	3487	2.3	61.5	42200	**F803_61.5 S4 ME4LB4**	**F803_61.5 S5 MX5SA4**	437	**F803_61.5 P132 BE132MB4**	**F803_61.5 P160 BX160MA4**	438
25.1	3273	1.5	57.7	33700	**F703_57.7 S4 ME4LB4**	**F703_57.7 S5 MX5SA4**	434	**F703_57.7 P132 BE132MB4**	**F703_57.7 P160 BX160MA4**	435
25.6	3218	2.5	56.7	41400	**F803_56.7 S4 ME4LB4**	**F803_56.7 S5 MX5SA4**	437	**F803_56.7 P132 BE132MB4**	**F803_56.7 P160 BX160MA4**	438
28.0	2940	1.0	51.8	20000	**F603_51.8 S4 ME4LB4**	**F603_51.8 S5 MX5SA4**	430	**F603_51.8 P132 BE132MB4**	**F603_51.8 P160 BX160MA4**	431
29.6	2777	1.8	49.0	32800	**F703_49.0 S4 ME4LB4**	**F703_49.0 S5 MX5SA4**	434	**F703_49.0 P132 BE132MB4**	**F703_49.0 P160 BX160MA4**	435
30	2714	1.1	47.8	20000	**F603_47.8 S4 ME4LB4**	**F603_47.8 S5 MX5SA4**	430	**F603_47.8 P132 BE132MB4**	**F603_47.8 P160 BX160MA4**	431
32	2564	2.0	45.2	32300	**F703_45.2 S4 ME4LB4**	**F703_45.2 S5 MX5SA4**	434	**F703_45.2 P132 BE132MB4**	**F703_45.2 P160 BX160MA4**	435
34	2387	1.2	42.1	20000	**F603_42.1 S4 ME4LB4**	**F603_42.1 S5 MX5SA4**	430	**F603_42.1 P132 BE132MB4**	**F603_42.1 P160 BX160MA4**	431
37	2204	1.3	38.8	20000	**F603_38.8 S4 ME4LB4**	**F603_38.8 S5 MX5SA4**	430	**F603_38.8 P132 BE132MB4**	**F603_38.8 P160 BX160MA4**	431

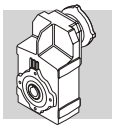


9.2 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE2	IE3		IE2	IE3	
45	1820	1.6	32.1	20000	**F603_32.1 S4 ME4LB4**	**F603_32.1 S5 MX5SA4**	430	**F603_32.1 P132 BE132MB4**	**F603_32.1 P160 BX160MA4**	431
48	1741	1.0	30.0	8210	**F512_30.0 S4 ME4LB4**	**F512_30.0 S5 MX5SA4**	426	**F512_30.0 P132 BE132MB4**	**F512_30.0 P160 BX160MA4**	427
49	1680	1.7	29.6	20000	**F603_29.6 S4 ME4LB4**	**F603_29.6 S5 MX5SA4**	430	**F603_29.6 P132 BE132MB4**	**F603_29.6 P160 BX160MA4**	431
57	1442	1.3	25.4	20000	**F603_25.4 S4 ME4LB4**	**F603_25.4 S5 MX5SA4**	430	**F603_25.4 P132 BE132MB4**	**F603_25.4 P160 BX160MA4**	431
59	1393	2.9	24.6	28300	**F703_24.6 S4 ME4LB4**	**F703_24.6 S5 MX5SA4**	434	**F703_24.6 P132 BE132MB4**	**F703_24.6 P160 BX160MA4**	435
61	1379	1.2	23.8	8170	**F512_23.8 S4 ME4LB4**	**F512_23.8 S5 MX5SA4**	426	**F512_23.8 P132 BE132MB4**	**F512_23.8 P160 BX160MA4**	427
62	1331	1.4	23.5	20000	**F603_23.5 S4 ME4LB4**	**F603_23.5 S5 MX5SA4**	430	**F603_23.5 P132 BE132MB4**	**F603_23.5 P160 BX160MA4**	431
64	1282	3.4	22.6	27800	**F703_22.6 S4 ME4LB4**	**F703_22.6 S5 MX5SA4**	434	**F703_22.6 P132 BE132MB4**	**F703_22.6 P160 BX160MA4**	435
69	1184	3.4	20.9	27200	**F703_20.9 S4 ME4LB4**	**F703_20.9 S5 MX5SA4**	434	**F703_20.9 P132 BE132MB4**	**F703_20.9 P160 BX160MA4**	435
70	1172	1.6	20.7	20000	**F603_20.7 S4 ME4LB4**	**F603_20.7 S5 MX5SA4**	430	**F603_20.7 P132 BE132MB4**	**F603_20.7 P160 BX160MA4**	431
76	1082	1.8	19.1	20000	**F603_19.1 S4 ME4LB4**	**F603_19.1 S5 MX5SA4**	430	**F603_19.1 P132 BE132MB4**	**F603_19.1 P160 BX160MA4**	431
77	1095	1.0	18.9	4920	**F412_18.9 S4 ME4LB4**		422	**F412_18.9 P132 BE132MB4**		423
77	1091	1.4	18.8	8020	**F512_18.8 S4 ME4LB4**	**F512_18.8 S5 MX5SA4**	426	**F512_18.8 P132 BE132MB4**	**F512_18.8 P160 BX160MA4**	427
85	992	1.1	17.1	5000	**F412_17.1 S4 ME4LB4**		422	**F412_17.1 P132 BE132MB4**		423
92	890	2.1	15.7	20000	**F603_15.7 S4 ME4LB4**	**F603_15.7 S5 MX5SA4**	430	**F603_15.7 P132 BE132MB4**	**F603_15.7 P160 BX160MA4**	431
99	848	1.2	14.6	5070	**F412_14.6 S4 ME4LB4**		422	**F412_14.6 P132 BE132MB4**		423
100	821	2.3	14.5	20000	**F603_14.5 S4 ME4LB4**	**F603_14.5 S5 MX5SA4**	430	**F603_14.5 P132 BE132MB4**	**F603_14.5 P160 BX160MA4**	431
104	810	1.8	14.0	7700	**F512_14.0 S4 ME4LB4**	**F512_14.0 S5 MX5SA4**	426	**F512_14.0 P132 BE132MB4**	**F512_14.0 P160 BX160MA4**	427
114	722	2.6	12.7	19700	**F603_12.7 S4 ME4LB4**	**F603_12.7 S5 MX5SA4**	430	**F603_12.7 P132 BE132MB4**	**F603_12.7 P160 BX160MA4**	431
123	667	2.8	11.8	19300	**F603_11.8 S4 ME4LB4**	**F603_11.8 S5 MX5SA4**	430	**F603_11.8 P132 BE132MB4**	**F603_11.8 P160 BX160MA4**	431
131	644	2.1	11.1	7400	**F512_11.1 S4 ME4LB4**	**F512_11.1 S5 MX5SA4**	426	**F512_11.1 P132 BE132MB4**	**F512_11.1 P160 BX160MA4**	427
135	624	1.4	10.8	5080	**F412_10.8 S4 ME4LB4**		422	**F412_10.8 P132 BE132MB4**		423
135	623	1.0	10.7	3660	**F312_10.7 S4 ME4LB4**		418	**F312_10.7 P132 BE132MB4**		419
149	551	3.5	9.7	18400	**F603_9.7 S4 ME4LB4**	**F603_9.7 S5 MX5SA4**	430	**F603_9.7 P132 BE132MB4**	**F603_9.7 P160 BX160MA4**	431
159	529	1.3	9.1	5080	**F412_9.1 S4 ME4LB4**		422	**F412_9.1 P132 BE132MB4**		423
160	525	2.1	9.1	7040	**F512_9.1 S4 ME4LB4**	**F512_9.1 S5 MX5SA4**	426	**F512_9.1 P132 BE132MB4**	**F512_9.1 P160 BX160MA4**	427
202	417	2.3	7.2	6700	**F512_7.2 S4 ME4LB4**	**F512_7.2 S5 MX5SA4**	426	**F512_7.2 P132 BE132MB4**	**F512_7.2 P160 BX160MA4**	427
209	403	1.0	6.9	3450	**F312_6.9 S4 ME4LB4**		418	**F312_6.9 P132 BE132MB4**		419
216	390	1.6	6.7	4890	**F412_6.7 S4 ME4LB4**		422	**F412_6.7 P132 BE132MB4**		423
263	318	3.4	11.1	6340	**F512_11.1 S4 ME4LB2**		426	**F512_11.1 P132 BE132MB2**		427
271	308	2.4	10.8	4680	**F412_10.8 S4 ME4LB2**		422	**F412_10.8 P132 BE132MB2**		423
320	261	2.3	9.1	4560	**F412_9.1 S4 ME4LB2**		422	**F412_9.1 P132 BE132MB2**		423
323	259	3.5	9.1	5980	**F512_9.1 S4 ME4LB2**		426	**F512_9.1 P132 BE132MB2**		427
434	192	2.7	6.7	4270	**F412_6.7 S4 ME4LB2**		422	**F412_6.7 P132 BE132MB2**		423

11 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE2	IE3		IE2	IE3	
6.4	14994	0.9	231.4	55000	**F904_231.4 S5 ME5SA4**	**F904_231.4 S5 MX5SB4**	440	**F904_231.4 P160 BE160M4**	**F904_231.4 P160 BX160MB4**	441
6.9	13841	1.0	213.6	55000	**F904_213.6 S5 ME5SA4**	**F904_213.6 S5 MX5SB4**	440	**F904_213.6 P160 BE160M4**	**F904_213.6 P160 BX160MB4**	441
7.6	13001	1.1	194.2	55000	**F903_194.2 S5 ME5SA4**	**F903_194.2 S5 MX5SB4**	440	**F903_194.2 P160 BE160M4**	**F903_194.2 P160 BX160MB4**	441
8.2	12001	1.2	179.2	55000	**F903_179.2 S5 ME5SA4**	**F903_179.2 S5 MX5SB4**	440	**F903_179.2 P160 BE160M4**	**F903_179.2 P160 BX160MB4**	441
9.0	10903	1.3	162.8	55000	**F903_162.8 S5 ME5SA4**	**F903_162.8 S5 MX5SB4**	440	**F903_162.8 P160 BE160M4**	**F903_162.8 P160 BX160MB4**	441
9.8	10064	1.4	150.3	55000	**F903_150.3 S5 ME5SA4**	**F903_150.3 S5 MX5SB4**	440	**F903_150.3 P160 BE160M4**	**F903_150.3 P160 BX160MB4**	441
10.7	9196	1.5	137.3	55000	**F903_137.3 S5 ME5SA4**	**F903_137.3 S5 MX5SB4**	440	**F903_137.3 P160 BE160M4**	**F903_137.3 P160 BX160MB4**	441
11.1	8885	0.9	132.7	45000	**F803_132.7 S5 ME5SA4**	**F803_132.7 S5 MX5SB4**	437	**F803_132.7 P160 BE160M4**	**F803_132.7 P160 BX160MB4**	438
11.6	8489	1.6	126.8	55000	**F903_126.8 S5 ME5SA4**	**F903_126.8 S5 MX5SB4**	440	**F903_126.8 P160 BE160M4**	**F903_126.8 P160 BX160MB4**	441
12.0	8202	1.0	122.5	45000	**F803_122.5 S5 ME5SA4**	**F803_122.5 S5 MX5SB4**	437	**F803_122.5 P160 BE160M4**	**F803_122.5 P160 BX160MB4**	438
12.9	7617	1.1	113.8	45000	**F803_113.8 S5 ME5SA4**	**F803_113.8 S5 MX5SB4**	437	**F803_113.8 P160 BE160M4**	**F803_113.8 P160 BX160MB4**	438
13.1	7496	1.9	111.9	55000	**F903_111.9 S5 ME5SA4**	**F903_111.9 S5 MX5SB4**	440	**F903_111.9 P160 BE160M4**	**F903_111.9 P160 BX160MB4**	441
14.0	7031	1.1	105.0	44400	**F803_105.0 S5 ME5SA4**	**F803_105.0 S5 MX5SB4**	437	**F803_105.0 P160 BE160M4**	**F803_105.0 P160 BX160MB4**	438
14.2	6919	2.0	103.3	55000	**F903_103.3 S5 ME5SA4**	**F903_103.3 S5 MX5SB4**	440	**F903_103.3 P160 BE160M4**	**F903_103.3 P160 BX160MB4**	441
15.4	6412	2.2	95.8	55000	**F903_95.8 S5 ME5SA4**	**F903_95.8 S5 MX5SB4**	440	**F903_95.8 P160 BE160M4**	**F903_95.8 P160 BX160MB4**	441
15.9	6181	1.3	92.3	44100	**F803_92.3 S5 ME5SA4**	**F803_92.3 S5 MX5SB4**	437	**F803_92.3 P160 BE160M4**	**F803_92.3 P160 BX160MB4**	438
16.6	5919	2.4	88.4	55000	**F903_88.4 S5 ME5SA4**	**F903_88.4 S5 MX5SB4**	440	**F903_88.4 P160 BE160M4**	**F903_88.4 P160 BX160MB4**	441
17.3	5705	1.4	85.2	44000	**F803_85.2 S5 ME5SA4**	**F803_85.2 S5 MX5SB4**	437	**F803_85.2 P160 BE160M4**	**F803_85.2 P160 BX160MB4**	438
19.2	5132	2.7	76.7	55000	**F903_76.7 S5 ME5SA4**	**F903_76.7 S5 MX5SB4**	440	**F903_76.7 P160 BE160M4**	**F903_76.7 P160 BX160MB4**	441
19.3	5106	1.6	76.3	42800	**F803_76.3 S5 ME5SA4**	**F803_76.3 S5 MX5SB4**	437	**F803_76.3 P160 BE160M4**	**F803_76.3 P160 BX160MB4**	438
20.0	4925	1.0	73.6	33500	**F703_73.6 S5 ME5SA4**	**F703_73.6 S5 MX5SB4**	434	**F703_73.6 P160 BE160M4**	**F703_73.6 P160 BX160MB4**	435

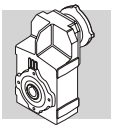


11 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE2	IE3		IE2	IE3	
20.8	4738	3.0	70.8	55000	**F903_70.8 S5 ME5SA4**	**F903_70.8 S5 MX5SB4**	440	**F903_70.8 P160 BE160M4**	**F903_70.8 P160 BX160MB4**	441
20.9	4713	1.7	70.4	42500	**F803_70.4 S5 ME5SA4**	**F803_70.4 S5 MX5SB4**	437	**F803_70.4 P160 BE160M4**	**F803_70.4 P160 BX160MB4**	438
21.6	4547	1.1	67.9	33100	**F703_67.9 S5 ME5SA4**	**F703_67.9 S5 MX5SB4**	434	**F703_67.9 P160 BE160M4**	**F703_67.9 P160 BX160MB4**	435
23.5	4185	1.2	62.5	32900	**F703_62.5 S5 ME5SA4**	**F703_62.5 S5 MX5SB4**	434	**F703_62.5 P160 BE160M4**	**F703_62.5 P160 BX160MB4**	435
23.7	4158	3.4	62.1	55000				**F903_62.1 P160 BE160M4**	**F903_62.1 P160 BX160MB4**	441
23.9	4115	1.9	61.5	41100	**F803_61.5 S5 ME5SA4**	**F803_61.5 S5 MX5SB4**	437	**F803_61.5 P160 BE160M4**	**F803_61.5 P160 BX160MB4**	438
25.5	3863	1.3	57.7	32500	**F703_57.7 S5 ME5SA4**	**F703_57.7 S5 MX5SB4**	434	**F703_57.7 P160 BE160M4**	**F703_57.7 P160 BX160MB4**	435
25.9	3799	2.1	56.7	40800	**F803_56.7 S5 ME5SA4**	**F803_56.7 S5 MX5SB4**	437	**F803_56.7 P160 BE160M4**	**F803_56.7 P160 BX160MB4**	438
29.9	3288	2.4	49.1	39100				**F803_49.1 P160 BE160M4**	**F803_49.1 P160 BX160MB4**	438
30	3278	1.5	49.0	31800	**F703_49.0 S5 ME5SA4**	**F703_49.0 S5 MX5SB4**	434	**F703_49.0 P160 BE160M4**	**F703_49.0 P160 BX160MB4**	435
31	3203	0.9	47.8	20000	**F603_47.8 S5 ME5SA4**	**F603_47.8 S5 MX5SB4**	430	**F603_47.8 P160 BE160M4**	**F603_47.8 P160 BX160MB4**	431
32	3035	2.6	45.3	38900				**F803_45.3 P160 BE160M4**	**F803_45.3 P160 BX160MB4**	438
33	3026	1.7	45.2	31300	**F703_45.2 S5 ME5SA4**	**F703_45.2 S5 MX5SB4**	434	**F703_45.2 P160 BE160M4**	**F703_45.2 P160 BX160MB4**	435
35	2818	1.0	42.1	20000	**F603_42.1 S5 ME5SA4**	**F603_42.1 S5 MX5SB4**	430	**F603_42.1 P160 BE160M4**	**F603_42.1 P160 BX160MB4**	431
38	2611	3.1	39.0	36400				**F803_39.0 P160 BE160M4**	**F803_39.0 P160 BX160MB4**	438
38	2601	1.1	38.8	20000	**F603_38.8 S5 ME5SA4**	**F603_38.8 S5 MX5SB4**	430	**F603_38.8 P160 BE160M4**	**F603_38.8 P160 BX160MB4**	431
38	2571	1.9	38.4	30200				**F703_38.4 P160 BE160M4**	**F703_38.4 P160 BX160MB4**	435
41	2411	3.3	36.0	35600				**F803_36.0 P160 BE160M4**	**F803_36.0 P160 BX160MB4**	438
41	2373	2.1	35.4	29600				**F703_35.4 P160 BE160M4**	**F703_35.4 P160 BX160MB4**	435
46	2148	1.3	32.1	20000	**F603_32.1 S5 ME5SA4**	**F603_32.1 S5 MX5SB4**	430	**F603_32.1 P160 BE160M4**	**F603_32.1 P160 BX160MB4**	431
49	2009	2.5	30.0	29000				**F703_30.0 P160 BE160M4**	**F703_30.0 P160 BX160MB4**	435
50	1983	1.5	29.6	20000	**F603_29.6 S5 ME5SA4**	**F603_29.6 S5 MX5SB4**	430	**F603_29.6 P160 BE160M4**	**F603_29.6 P160 BX160MB4**	431
53	1854	2.5	27.7	28300				**F703_27.7 P160 BE160M4**	**F703_27.7 P160 BX160MB4**	435
58	1702	1.1	25.4	20000	**F603_25.4 S5 ME5SA4**	**F603_25.4 S5 MX5SB4**	430	**F603_25.4 P160 BE160M4**	**F603_25.4 P160 BX160MB4**	431
60	1644	2.4	24.6	27800	**F703_24.6 S5 ME5SA4**	**F703_24.6 S5 MX5SB4**	434	**F703_24.6 P160 BE160M4**	**F703_24.6 P160 BX160MB4**	435
62	1628	1.0	23.8	7500	**F512_23.8 S5 ME5SA4**	**F512_23.8 S5 MX5SB4**	426	**F512_23.8 P160 BE160M4**	**F512_23.8 P160 BX160MB4**	427
63	1571	1.2	23.5	20000	**F603_23.5 S5 ME5SA4**	**F603_23.5 S5 MX5SB4**	430	**F603_23.5 P160 BE160M4**	**F603_23.5 P160 BX160MB4**	431
65	1514	2.9	22.6	27300	**F703_22.6 S5 ME5SA4**	**F703_22.6 S5 MX5SB4**	434	**F703_22.6 P160 BE160M4**	**F703_22.6 P160 BX160MB4**	435
70	1397	2.9	20.9	26800	**F703_20.9 S5 ME5SA4**	**F703_20.9 S5 MX5SB4**	434	**F703_20.9 P160 BE160M4**	**F703_20.9 P160 BX160MB4**	435
71	1383	1.4	20.7	20000	**F603_20.7 S5 ME5SA4**	**F603_20.7 S5 MX5SB4**	430	**F603_20.7 P160 BE160M4**	**F603_20.7 P160 BX160MB4**	431
77	1277	1.5	19.1	20000	**F603_19.1 S5 ME5SA4**	**F603_19.1 S5 MX5SB4**	430	**F603_19.1 P160 BE160M4**	**F603_19.1 P160 BX160MB4**	431
78	1287	1.2	18.8	7490	**F512_18.8 S5 ME5SA4**	**F512_18.8 S5 MX5SB4**	426	**F512_18.8 P160 BE160M4**	**F512_18.8 P160 BX160MB4**	427
94	1050	1.8	15.7	20000	**F603_15.7 S5 ME5SA4**	**F603_15.7 S5 MX5SB4**	430	**F603_15.7 P160 BE160M4**	**F603_15.7 P160 BX160MB4**	431
102	969	2.0	14.5	20000	**F603_14.5 S5 ME5SA4**	**F603_14.5 S5 MX5SB4**	430	**F603_14.5 P160 BE160M4**	**F603_14.5 P160 BX160MB4**	431
105	956	1.5	14.0	7310	**F512_14.0 S5 ME5SA4**	**F512_14.0 S5 MX5SB4**	426	**F512_14.0 P160 BE160M4**	**F512_14.0 P160 BX160MB4**	427
115	853	2.2	12.7	19400	**F603_12.7 S5 ME5SA4**	**F603_12.7 S5 MX5SB4**	430	**F603_12.7 P160 BE160M4**	**F603_12.7 P160 BX160MB4**	431
125	787	2.4	11.8	19000	**F603_11.8 S5 ME5SA4**	**F603_11.8 S5 MX5SB4**	430	**F603_11.8 P160 BE160M4**	**F603_11.8 P160 BX160MB4**	431
132	760	1.8	11.1	7090	**F512_11.1 S5 ME5SA4**	**F512_11.1 S5 MX5SB4**	426	**F512_11.1 P160 BE160M4**	**F512_11.1 P160 BX160MB4**	427
151	650	2.9	9.7	18200	**F603_9.7 S5 ME5SA4**	**F603_9.7 S5 MX5SB4**	430	**F603_9.7 P160 BE160M4**	**F603_9.7 P160 BX160MB4**	431
162	619	1.8	9.1	6770	**F512_9.1 S5 ME5SA4**	**F512_9.1 S5 MX5SB4**	426	**F512_9.1 P160 BE160M4**	**F512_9.1 P160 BX160MB4**	427
164	600	3.2	9.0	17800	**F603_9.0 S5 ME5SA4**	**F603_9.0 S5 MX5SB4**	430	**F603_9.0 P160 BE160M4**	**F603_9.0 P160 BX160MB4**	431
204	492	2.0	7.2	6490	**F512_7.2 S5 ME5SA4**	**F512_7.2 S5 MX5SB4**	426	**F512_7.2 P160 BE160M4**	**F512_7.2 P160 BX160MB4**	427
265	377	2.9	11.1	6170	**F512_11.1 S5 ME5SA2**		426	**F512_11.1 P160 BE160MA2**		427
325	307	2.9	9.1	5840	**F512_9.1 S5 ME5SA2**		426	**F512_9.1 P160 BE160MA2**		427
409	244	3.3	7.2	5510	**F512_7.2 S5 ME5SA2**		426	**F512_7.2 P160 BE160MA2**		427

15 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE2	IE3		IE2	IE3	
9.0	14840	0.9	162.8	55000	**F903_162.8 S5 ME5LA4**	**F903_162.8 S5 MX5LA4**	440	**F903_162.8 P160 BE160L4**	**F903_162.8 P160 BX160L4**	441
9.8	13699	1.0	150.3	55000	**F903_150.3 S5 ME5LA4**	**F903_150.3 S5 MX5LA4**	440	**F903_150.3 P160 BE160L4**	**F903_150.3 P160 BX160L4**	441
10.7	12517	1.1	137.3	55000	**F903_137.3 S5 ME5LA4**	**F903_137.3 S5 MX5LA4**	440	**F903_137.3 P160 BE160L4**	**F903_137.3 P160 BX160L4**	441
11.6	11554	1.2	126.8	55000	**F903_126.8 S5 ME5LA4**	**F903_126.8 S5 MX5LA4**	440	**F903_126.8 P160 BE160L4**	**F903_126.8 P160 BX160L4**	441
13.1	10203	1.4	111.9	55000	**F903_111.9 S5 ME5LA4**	**F903_111.9 S5 MX5LA4**	440	**F903_111.9 P160 BE160L4**	**F903_111.9 P160 BX160L4**	441
14.2	9418	1.5	103.3	55000	**F903_103.3 S5 ME5LA4**	**F903_103.3 S5 MX5LA4**	440	**F903_103.3 P160 BE160L4**	**F903_103.3 P160 BX160L4**	441
15.4	8728	1.6	95.8	55000	**F903_95.8 S5 ME5LA4**	**F903_95.8 S5 MX5LA4**	440	**F903_95.8 P160 BE160L4**	**F903_95.8 P160 BX160L4**	441
15.9	8413	1.0	92.3	41300	**F803_92.3 S5 ME5LA4**	**F803_92.3 S5 MX5LA4**	437	**F803_92.3 P160 BE160L4**	**F803_92.3 P160 BX160L4**	438
16.6	8056	1.7	88.4	55000	**F903_88.4 S5 ME5LA4**	**F903_88.4 S5 MX5LA4**	440	**F903_88.4 P160 BE160L4**	**F903_88.4 P160 BX160L4**	441
17.3	7766	1.0	85.2	40800	**F803_85.2 S5 ME5LA4**	**F803_85.2 S5 MX5LA4**	437	**F803_85.2 P160 BE160L4**	**F803_85.2 P160 BX160L4**	438
19.2	6986	2.0	76.7	55000	**F903_76.7 S5 ME5LA4**	**F903_76.7 S5 MX5LA4**	440	**F903_76.7 P160 BE160L4**	**F903_76.7 P160 BX160L4**	441
19.3	6949	1.2	76.3	40500	**F803_76.3 S5 ME5LA4**	**F803_76.3 S5 MX5LA4**	437	**F803_76.3 P160 BE160L4**	**F803_76.3 P160 BX160L4**	438
20.8	6449	2.2	70.8	55000	**F903_70.8 S5 ME5LA4**	**F903_70.8 S5 MX5LA4**	440	**F903_70.8 P160 BE160L4**	**F903_70.8 P160 BX160L4**	441

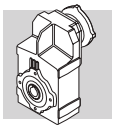


15 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE2	IE3		IE2	IE3	
20.9	6415	1.2	70.4	39900	**F803_70.4 S5 ME5LA4**	**F803_70.4 S5 MX5LA4**	437	**F803_70.4 P160 BE160L4**	**F803_70.4 P160 BX160L4**	438
23.5	5696	0.9	62.5	31300	**F703_62.5 S5 ME5LA4**	**F703_62.5 S5 MX5LA4**	434	**F703_62.5 P160 BE160L4**	**F703_62.5 P160 BX160L4**	435
23.7	5660	2.5	62.1	55000				**F903_62.1 P160 BE160L4**	**F903_62.1 P160 BX160L4**	441
23.9	5601	1.4	61.5	38700	**F803_61.5 S5 ME5LA4**	**F803_61.5 S5 MX5LA4**	437	**F803_61.5 P160 BE160L4**	**F803_61.5 P160 BX160L4**	438
25.5	5258	1.0	57.7	29700	**F703_57.7 S5 ME5LA4**	**F703_57.7 S5 MX5LA4**	434	**F703_57.7 P160 BE160L4**	**F703_57.7 P160 BX160L4**	435
25.6	5224	2.7	57.3	55000				**F903_57.3 P160 BE160L4**	**F903_57.3 P160 BX160L4**	441
25.9	5170	1.5	56.7	38600	**F803_56.7 S5 ME5LA4**	**F803_56.7 S5 MX5LA4**	437	**F803_56.7 P160 BE160L4**	**F803_56.7 P160 BX160L4**	438
29.5	4548	3.1	49.9	54400				**F903_49.9 P160 BE160L4**	**F903_49.9 P160 BX160L4**	441
29.9	4476	1.8	49.1	37800				**F803_49.1 P160 BE160L4**	**F803_49.1 P160 BX160L4**	438
30	4462	1.1	49.0	29400	**F703_49.0 S5 ME5LA4**	**F703_49.0 S5 MX5LA4**	434	**F703_49.0 P160 BE160L4**	**F703_49.0 P160 BX160L4**	435
32	4198	3.3	46.1	53500				**F903_46.1 P160 BE160L4**	**F903_46.1 P160 BX160L4**	441
32	4131	1.9	45.3	37200				**F803_45.3 P160 BE160L4**	**F803_45.3 P160 BX160L4**	438
33	4119	1.2	45.2	29100	**F703_45.2 S5 ME5LA4**	**F703_45.2 S5 MX5LA4**	434	**F703_45.2 P160 BE160L4**	**F703_45.2 P160 BX160L4**	435
38	3554	2.3	39.0	35800				**F803_39.0 P160 BE160L4**	**F803_39.0 P160 BX160L4**	438
38	3499	1.4	38.4	28600				**F703_38.4 P160 BE160L4**	**F703_38.4 P160 BX160L4**	435
41	3281	2.4	36.0	35200				**F803_36.0 P160 BE160L4**	**F803_36.0 P160 BX160L4**	438
41	3230	1.5	35.4	28200				**F703_35.4 P160 BE160L4**	**F703_35.4 P160 BX160L4**	435
46	2924	1.0	32.1	20000	**F603_32.1 S5 ME5LA4**	**F603_32.1 S5 MX5LA4**	430	**F603_32.1 P160 BE160L4**	**F603_32.1 P160 BX160L4**	431
49	2734	1.8	30.0	27700				**F703_30.0 P160 BE160L4**	**F703_30.0 P160 BX160L4**	435
50	2699	1.1	29.6	20000	**F603_29.6 S5 ME5LA4**	**F603_29.6 S5 MX5LA4**	430	**F603_29.6 P160 BE160L4**	**F603_29.6 P160 BX160L4**	431
53	2524	1.9	27.7	27100				**F703_27.7 P160 BE160L4**	**F703_27.7 P160 BX160L4**	435
58	2299	2.7	25.2	32900	**F803_25.2 S5 ME5LA4**	**F803_25.2 S5 MX5LA4**	437	**F803_25.2 P160 BE160L4**	**F803_25.2 P160 BX160L4**	438
60	2238	1.8	24.6	26500	**F703_24.6 S5 ME5LA4**	**F703_24.6 S5 MX5LA4**	434	**F703_24.6 P160 BE160L4**	**F703_24.6 P160 BX160L4**	435
63	2138	0.9	23.5	20000	**F603_23.5 S5 ME5LA4**	**F603_23.5 S5 MX5LA4**	430	**F603_23.5 P160 BE160L4**	**F603_23.5 P160 BX160L4**	431
65	2060	2.1	22.6	26200	**F703_22.6 S5 ME5LA4**	**F703_22.6 S5 MX5LA4**	434	**F703_22.6 P160 BE160L4**	**F703_22.6 P160 BX160L4**	435
67	2008	3.3	22.0	31900	**F803_22.0 S5 ME5LA4**	**F803_22.0 S5 MX5LA4**	437	**F803_22.0 P160 BE160L4**	**F803_22.0 P160 BX160L4**	438
70	1902	2.1	20.9	25700	**F703_20.9 S5 ME5LA4**	**F703_20.9 S5 MX5LA4**	434	**F703_20.9 P160 BE160L4**	**F703_20.9 P160 BX160L4**	435
71	1883	1.0	20.7	20000	**F603_20.7 S5 ME5LA4**	**F603_20.7 S5 MX5LA4**	430	**F603_20.7 P160 BE160L4**	**F603_20.7 P160 BX160L4**	431
72	1853	3.3	20.3	31300	**F803_20.3 S5 ME5LA4**	**F803_20.3 S5 MX5LA4**	437	**F803_20.3 P160 BE160L4**	**F803_20.3 P160 BX160L4**	438
77	1738	1.1	19.1	20000	**F603_19.1 S5 ME5LA4**	**F603_19.1 S5 MX5LA4**	430	**F603_19.1 P160 BE160L4**	**F603_19.1 P160 BX160L4**	431
78	1752	0.9	18.8	6800	**F512_18.8 S5 ME5LA4**	**F512_18.8 S5 MX5LA4**	426	**F512_18.8 P160 BE160L4**	**F512_18.8 P160 BX160L4**	427
83	1614	2.7	17.7	24900	**F703_17.7 S5 ME5LA4**	**F703_17.7 S5 MX5LA4**	434	**F703_17.7 P160 BE160L4**	**F703_17.7 P160 BX160L4**	435
90	1490	2.7	16.3	24400	**F703_16.3 S5 ME5LA4**	**F703_16.3 S5 MX5LA4**	434	**F703_16.3 P160 BE160L4**	**F703_16.3 P160 BX160L4**	435
94	1429	1.3	15.7	19600	**F603_15.7 S5 ME5LA4**	**F603_15.7 S5 MX5LA4**	430	**F603_15.7 P160 BE160L4**	**F603_15.7 P160 BX160L4**	431
102	1319	1.4	14.5	19200	**F603_14.5 S5 ME5LA4**	**F603_14.5 S5 MX5LA4**	430	**F603_14.5 P160 BE160L4**	**F603_14.5 P160 BX160L4**	431
105	1301	1.1	14.0	6450	**F512_14.0 S5 ME5LA4**	**F512_14.0 S5 MX5LA4**	426	**F512_14.0 P160 BE160L4**	**F512_14.0 P160 BX160L4**	427
106	1266	3.1	13.9	23600	**F703_13.9 S5 ME5LA4**	**F703_13.9 S5 MX5LA4**	434	**F703_13.9 P160 BE160L4**	**F703_13.9 P160 BX160L4**	435
115	1168	3.1	12.8	23100	**F703_12.8 S5 ME5LA4**	**F703_12.8 S5 MX5LA4**	434	**F703_12.8 P160 BE160L4**	**F703_12.8 P160 BX160L4**	435
115	1160	1.6	12.7	18800	**F603_12.7 S5 ME5LA4**	**F603_12.7 S5 MX5LA4**	430	**F603_12.7 P160 BE160L4**	**F603_12.7 P160 BX160L4**	431
125	1071	1.8	11.8	18400	**F603_11.8 S5 ME5LA4**	**F603_11.8 S5 MX5LA4**	430	**F603_11.8 P160 BE160L4**	**F603_11.8 P160 BX160L4**	431
132	1034	1.3	11.1	6000	**F512_11.1 S5 ME5LA4**	**F512_11.1 S5 MX5LA4**	426	**F512_11.1 P160 BE160L4**	**F512_11.1 P160 BX160L4**	427
135	989	3.5	10.9	22300	**F703_10.9 S5 ME5LA4**	**F703_10.9 S5 MX5LA4**	434	**F703_10.9 P160 BE160L4**	**F703_10.9 P160 BX160L4**	435
147	913	3.5	10.0	21800	**F703_10.0 S5 ME5LA4**	**F703_10.0 S5 MX5LA4**	434	**F703_10.0 P160 BE160L4**	**F703_10.0 P160 BX160L4**	435
151	885	2.1	9.7	17700	**F603_9.7 S5 ME5LA4**	**F603_9.7 S5 MX5LA4**	430	**F603_9.7 P160 BE160L4**	**F603_9.7 P160 BX160L4**	431
162	843	1.3	9.1	5800	**F512_9.1 S5 ME5LA4**	**F512_9.1 S5 MX5LA4**	426	**F512_9.1 P160 BE160L4**	**F512_9.1 P160 BX160L4**	427
164	817	2.3	9.0	17300	**F603_9.0 S5 ME5LA4**	**F603_9.0 S5 MX5LA4**	430	**F603_9.0 P160 BE160L4**	**F603_9.0 P160 BX160L4**	431
204	670	1.5	7.2	5640	**F512_7.2 S5 ME5LA4**	**F512_7.2 S5 MX5LA4**	426	**F512_7.2 P160 BE160L4**	**F512_7.2 P160 BX160L4**	427

18.5 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE2	IE3		IE2	IE3	
10.7	15327	0.9	137.3	55000				**F903_137.3 P180 BE180M4**	**F903_137.3 P180 BX180M4**	441
11.6	14148	1.0	126.8	55000				**F903_126.8 P180 BE180M4**	**F903_126.8 P180 BX180M4**	441
13.1	12493	1.1	111.9	55000				**F903_111.9 P180 BE180M4**	**F903_111.9 P180 BX180M4**	441
14.2	11532	1.2	103.3	55000				**F903_103.3 P180 BE180M4**	**F903_103.3 P180 BX180M4**	441
15.4	10687	1.3	95.8	55000				**F903_95.8 P180 BE180M4**	**F903_95.8 P180 BX180M4**	441
16.6	9865	1.4	88.4	55000				**F903_88.4 P180 BE180M4**	**F903_88.4 P180 BX180M4**	441
19.2	8554	1.6	76.7	55000				**F903_76.7 P180 BE180M4**	**F903_76.7 P180 BX180M4**	441
19.3	8510	0.9	76.3	38100				**F803_76.3 P180 BE180M4**	**F803_76.3 P180 BX180M4**	438
20.8	7896	1.8	70.8	55000				**F903_70.8 P180 BE180M4**	**F903_70.8 P180 BX180M4**	441

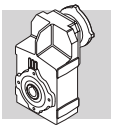


18.5 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE2	IE3		IE2	IE3	
20.9	7855	1.0	70.4	37600				**F803_70.4 P180 BE180M4**	**F803_70.4 P180 BX180M4**	438
23.7	6930	2.0	62.1	55000				**F903_62.1 P180 BE180M4**	**F903_62.1 P180 BX180M4**	441
23.9	6859	1.2	61.5	37400				**F803_61.5 P180 BE180M4**	**F803_61.5 P180 BX180M4**	438
25.6	6397	2.2	57.3	55000				**F903_57.3 P180 BE180M4**	**F903_57.3 P180 BX180M4**	441
25.9	6331	1.3	56.7	36800				**F803_56.7 P180 BE180M4**	**F803_56.7 P180 BX180M4**	438
29.5	5568	2.5	49.9	55000				**F903_49.9 P180 BE180M4**	**F903_49.9 P180 BX180M4**	441
29.9	5480	1.5	49.1	35800				**F803_49.1 P180 BE180M4**	**F803_49.1 P180 BX180M4**	438
30	5464	0.9	49.0	27400				**F703_49.0 P180 BE180M4**	**F703_49.0 P180 BX180M4**	435
32	5140	2.7	46.1	55000				**F903_46.1 P180 BE180M4**	**F903_46.1 P180 BX180M4**	441
32	5059	1.6	45.3	35700				**F803_45.3 P180 BE180M4**	**F803_45.3 P180 BX180M4**	438
33	5043	1.0	45.2	27200				**F703_45.2 P180 BE180M4**	**F703_45.2 P180 BX180M4**	435
36	4520	3.1	40.5	52300				**F903_40.5 P180 BE180M4**	**F903_40.5 P180 BX180M4**	441
38	4352	1.8	39.0	35000				**F803_39.0 P180 BE180M4**	**F803_39.0 P180 BX180M4**	438
38	4285	1.2	38.4	27000				**F703_38.4 P180 BE180M4**	**F703_38.4 P180 BX180M4**	435
39	4172	3.2	37.4	51400				**F903_37.4 P180 BE180M4**	**F903_37.4 P180 BX180M4**	441
41	4018	2.0	36.0	34400				**F803_36.0 P180 BE180M4**	**F803_36.0 P180 BX180M4**	438
41	3955	1.3	35.4	26700				**F703_35.4 P180 BE180M4**	**F703_35.4 P180 BX180M4**	435
47	3488	2.3	31.3	33400				**F803_31.3 P180 BE180M4**	**F803_31.3 P180 BX180M4**	438
49	3348	1.5	30.0	26500				**F703_30.0 P180 BE180M4**	**F703_30.0 P180 BX180M4**	435
51	3219	2.5	28.8	33000				**F803_28.8 P180 BE180M4**	**F803_28.8 P180 BX180M4**	438
53	3090	1.5	27.7	26000				**F703_27.7 P180 BE180M4**	**F703_27.7 P180 BX180M4**	435
58	2815	2.2	25.2	32100				**F803_25.2 P180 BE180M4**	**F803_25.2 P180 BX180M4**	438
60	2741	1.5	24.6	25500				**F703_24.6 P180 BE180M4**	**F703_24.6 P180 BX180M4**	435
65	2523	1.7	22.6	25200				**F703_22.6 P180 BE180M4**	**F703_22.6 P180 BX180M4**	435
67	2458	2.7	22.0	31300				**F803_22.0 P180 BE180M4**	**F803_22.0 P180 BX180M4**	438
70	2329	1.7	20.9	24900				**F703_20.9 P180 BE180M4**	**F703_20.9 P180 BX180M4**	435
72	2269	2.7	20.3	30600				**F803_20.3 P180 BE180M4**	**F803_20.3 P180 BX180M4**	438
77	2128	0.9	19.1	19200				**F603_19.1 P180 BE180M4**	**F603_19.1 P180 BX180M4**	431
83	1976	2.2	17.7	24200				**F703_17.7 P180 BE180M4**	**F703_17.7 P180 BX180M4**	435
84	1964	3.4	17.6	29700				**F803_17.6 P180 BE180M4**	**F803_17.6 P180 BX180M4**	438
90	1824	2.2	16.3	23800				**F703_16.3 P180 BE180M4**	**F703_16.3 P180 BX180M4**	435
90	1813	3.4	16.2	29100				**F803_16.2 P180 BE180M4**	**F803_16.2 P180 BX180M4**	438
94	1750	1.1	15.7	18700				**F603_15.7 P180 BE180M4**	**F603_15.7 P180 BX180M4**	431
102	1615	1.2	14.5	18600				**F603_14.5 P180 BE180M4**	**F603_14.5 P180 BX180M4**	431
106	1550	2.5	13.9	23000				**F703_13.9 P180 BE180M4**	**F703_13.9 P180 BX180M4**	435
115	1430	2.5	12.8	22600				**F703_12.8 P180 BE180M4**	**F703_12.8 P180 BX180M4**	435
115	1421	1.3	12.7	18300				**F603_12.7 P180 BE180M4**	**F603_12.7 P180 BX180M4**	431
125	1312	1.4	11.8	17900				**F603_11.8 P180 BE180M4**	**F603_11.8 P180 BX180M4**	431
132	1267	1.1	11.1	5800				**F512_11.1 P180 BE180M4**	**F512_11.1 P180 BX180M4**	427
135	1211	2.8	10.9	21800				**F703_10.9 P180 BE180M4**	**F703_10.9 P180 BX180M4**	435
147	1118	2.9	10.0	21400				**F703_10.0 P180 BE180M4**	**F703_10.0 P180 BX180M4**	435
151	1083	1.8	9.7	17300				**F603_9.7 P180 BE180M4**	**F603_9.7 P180 BX180M4**	431
162	1032	1.1	9.1	5630				**F512_9.1 P180 BE180M4**	**F512_9.1 P180 BX180M4**	427
164	1000	1.9	9.0	16900				**F603_9.0 P180 BE180M4**	**F603_9.0 P180 BX180M4**	431
204	820	1.2	7.2	5400				**F512_7.2 P180 BE180M4**	**F512_7.2 P180 BX180M4**	427

22 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE2	IE3		IE2	IE3	
13.1	14888	0.9	111.9	55000				**F903_111.9 P180 BE180L4**	**F903_111.9 P180 BX180L4**	441
14.2	13743	1.0	103.3	55000				**F903_103.3 P180 BE180L4**	**F903_103.3 P180 BX180L4**	441
15.4	12735	1.1	95.8	55000				**F903_95.8 P180 BE180L4**	**F903_95.8 P180 BX180L4**	441
16.6	11755	1.2	88.4	55000				**F903_88.4 P180 BE180L4**	**F903_88.4 P180 BX180L4**	441
19.2	10194	1.4	76.7	55000				**F903_76.7 P180 BE180L4**	**F903_76.7 P180 BX180L4**	441
20.8	9410	1.5	70.8	55000				**F903_70.8 P180 BE180L4**	**F903_70.8 P180 BX180L4**	441
23.7	8259	1.7	62.1	55000				**F903_62.1 P180 BE180L4**	**F903_62.1 P180 BX180L4**	441
23.9	8173	1.0	61.5	35400				**F803_61.5 P180 BE180L4**	**F803_61.5 P180 BX180L4**	438
25.6	7623	1.8	57.3	55000				**F903_57.3 P180 BE180L4**	**F903_57.3 P180 BX180L4**	441
25.9	7545	1.1	56.7	35000				**F803_56.7 P180 BE180L4**	**F803_56.7 P180 BX180L4**	438



22 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE2	IE3		IE2	IE3	
29.5	6636	2.1	49.9	54400				**F903_49.9 P180 BE180L4**	**F903_49.9 P180 BX180L4**	441
29.9	6531	1.2	49.1	34100				**F803_49.1 P180 BE180L4**	**F803_49.1 P180 BX180L4**	438
32	6125	2.3	46.1	53500				**F903_46.1 P180 BE180L4**	**F903_46.1 P180 BX180L4**	441
32	6028	1.3	45.3	34300				**F803_45.3 P180 BE180L4**	**F803_45.3 P180 BX180L4**	438
36	5386	2.6	40.5	52300				**F903_40.5 P180 BE180L4**	**F903_40.5 P180 BX180L4**	441
38	5187	1.5	39.0	33300				**F803_39.0 P180 BE180L4**	**F803_39.0 P180 BX180L4**	438
38	5106	1.0	38.4	25400				**F703_38.4 P180 BE180L4**	**F703_38.4 P180 BX180L4**	435
39	4972	2.7	37.4	51400				**F903_37.4 P180 BE180L4**	**F903_37.4 P180 BX180L4**	441
41	4788	1.7	36.0	33200				**F803_36.0 P180 BE180L4**	**F803_36.0 P180 BX180L4**	438
41	4713	1.1	35.4	25300				**F703_35.4 P180 BE180L4**	**F703_35.4 P180 BX180L4**	435
47	4156	1.9	31.3	32600				**F803_31.3 P180 BE180L4**	**F803_31.3 P180 BX180L4**	438
47	4122	3.2	31.0	49500				**F903_31.0 P180 BE180L4**	**F903_31.0 P180 BX180L4**	441
49	3990	1.3	30.0	25100				**F703_30.0 P180 BE180L4**	**F703_30.0 P180 BX180L4**	435
51	3836	2.1	28.8	32000				**F803_28.8 P180 BE180L4**	**F803_28.8 P180 BX180L4**	438
51	3805	3.2	28.6	48600				**F903_28.6 P180 BE180L4**	**F903_28.6 P180 BX180L4**	441
53	3683	1.3	27.7	24800				**F703_27.7 P180 BE180L4**	**F703_27.7 P180 BX180L4**	435
58	3355	1.8	25.2	31300				**F803_25.2 P180 BE180L4**	**F803_25.2 P180 BX180L4**	438
60	3266	1.2	24.6	24500				**F703_24.6 P180 BE180L4**	**F703_24.6 P180 BX180L4**	435
65	3006	1.4	22.6	24300				**F703_22.6 P180 BE180L4**	**F703_22.6 P180 BX180L4**	435
67	2929	2.3	22.0	30200				**F803_22.0 P180 BE180L4**	**F803_22.0 P180 BX180L4**	438
70	2775	1.4	20.9	24000				**F703_20.9 P180 BE180L4**	**F703_20.9 P180 BX180L4**	435
72	2704	2.3	20.3	29900				**F803_20.3 P180 BE180L4**	**F803_20.3 P180 BX180L4**	438
83	2355	1.9	17.7	23400				**F703_17.7 P180 BE180L4**	**F703_17.7 P180 BX180L4**	435
84	2341	2.9	17.6	29100				**F803_17.6 P180 BE180L4**	**F803_17.6 P180 BX180L4**	438
90	2174	1.8	16.3	23100				**F703_16.3 P180 BE180L4**	**F703_16.3 P180 BX180L4**	435
90	2161	2.9	16.2	28500				**F803_16.2 P180 BE180L4**	**F803_16.2 P180 BX180L4**	438
94	2085	0.9	15.7	18200				**F603_15.7 P180 BE180L4**	**F603_15.7 P180 BX180L4**	431
102	1925	1.0	14.5	18000				**F603_14.5 P180 BE180L4**	**F603_14.5 P180 BX180L4**	431
106	1847	2.1	13.9	22400				**F703_13.9 P180 BE180L4**	**F703_13.9 P180 BX180L4**	435
115	1705	2.1	12.8	22100				**F703_12.8 P180 BE180L4**	**F703_12.8 P180 BX180L4**	435
115	1693	1.1	12.7	17700				**F603_12.7 P180 BE180L4**	**F603_12.7 P180 BX180L4**	431
125	1563	1.2	11.8	17400				**F603_11.8 P180 BE180L4**	**F603_11.8 P180 BX180L4**	431
135	1443	2.4	10.9	21400				**F703_10.9 P180 BE180L4**	**F703_10.9 P180 BX180L4**	435
147	1332	2.4	10.0	21000				**F703_10.0 P180 BE180L4**	**F703_10.0 P180 BX180L4**	435
151	1291	1.5	9.7	16900				**F603_9.7 P180 BE180L4**	**F603_9.7 P180 BX180L4**	431
164	1192	1.6	9.0	16500				**F603_9.0 P180 BE180L4**	**F603_9.0 P180 BX180L4**	431
204	977	1.0	7.2	5250				**F512_7.2 P180 BE180L4**	**F512_7.2 P180 BX180L4**	427

30 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE...		IE2*	IE3	
16.6	16022	0.9	88.4	52200			**F903_88.4 P200 IEC200L4**	**F903_88.4 P200 BX200LA4**	441
19.2	13893	1.0	76.7	52400			**F903_76.7 P200 IEC200L4**	**F903_76.7 P200 BX200LA4**	441
20.8	12825	1.1	70.8	52100			**F903_70.8 P200 IEC200L4**	**F903_70.8 P200 BX200LA4**	441
23.7	11256	1.2	62.1	51800			**F903_62.1 P200 IEC200L4**	**F903_62.1 P200 BX200LA4**	441
25.6	10390	1.3	57.3	51400			**F903_57.3 P200 IEC200L4**	**F903_57.3 P200 BX200LA4**	441
29.5	9044	1.5	49.9	50800			**F903_49.9 P200 IEC200L4**	**F903_49.9 P200 BX200LA4**	441
32	8348	1.7	46.1	50200			**F903_46.1 P200 IEC200L4**	**F903_46.1 P200 BX200LA4**	441
32	8216	1.0	45.3	30900			**F803_45.3 P200 IEC200L4**	**F803_45.3 P200 BX200LA4**	438
36	7341	1.9	40.5	49400			**F903_40.5 P200 IEC200L4**	**F903_40.5 P200 BX200LA4**	441
38	7069	1.1	39.0	31000			**F803_39.0 P200 IEC200L4**	**F803_39.0 P200 BX200LA4**	438
39	6776	2.0	37.4	48700			**F903_37.4 P200 IEC200L4**	**F903_37.4 P200 BX200LA4**	441
41	6525	1.2	36.0	30600			**F803_36.0 P200 IEC200L4**	**F803_36.0 P200 BX200LA4**	438
47	5664	1.4	31.3	29900			**F803_31.3 P200 IEC200L4**	**F803_31.3 P200 BX200LA4**	438
47	5618	2.3	31.0	47300			**F903_31.0 P200 IEC200L4**	**F903_31.0 P200 BX200LA4**	441

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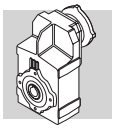

30 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE...		IE2*	IE3	
49	5438	0.9	30.0	22300			**F703_30.0 P200 IEC200L4**	**F703_30.0 P200 BX200LA4**	435
51	5229	1.5	28.8	29500			**F803_28.8 P200 IEC200L4**	**F803_28.8 P200 BX200LA4**	438
51	5186	2.3	28.6	46600			**F903_28.6 P200 IEC200L4**	**F903_28.6 P200 BX200LA4**	441
53	5019	0.9	27.7	22200			**F703_27.7 P200 IEC200L4**	**F703_27.7 P200 BX200LA4**	435
58	4601	2.6	25.4	45500			**F903_25.4 P200 IEC200L4**	**F903_25.4 P200 BX200LA4**	441
58	4572	1.2	25.2	29500			**F803_25.2 P200 IEC200L4**	**F803_25.2 P200 BX200LA4**	438
66	4039	3.0	22.3	44400			**F903_22.3 P200 IEC200L4**	**F903_22.3 P200 BX200LA4**	441
67	3992	1.7	22.0	29000			**F803_22.0 P200 IEC200L4**	**F803_22.0 P200 BX200LA4**	438
71	3728	3.0	20.6	43600			**F903_20.6 P200 IEC200L4**	**F903_20.6 P200 BX200LA4**	441
72	3685	1.7	20.3	28500			**F803_20.3 P200 IEC200L4**	**F803_20.3 P200 BX200LA4**	438
83	3209	1.4	17.7	21800			**F703_17.7 P200 IEC200L4**	**F703_17.7 P200 BX200LA4**	435
84	3190	2.1	17.6	27900			**F803_17.6 P200 IEC200L4**	**F803_17.6 P200 BX200LA4**	438
90	2963	1.4	16.3	21500			**F703_16.3 P200 IEC200L4**	**F703_16.3 P200 BX200LA4**	435
90	2945	2.1	16.2	27400			**F803_16.2 P200 IEC200L4**	**F803_16.2 P200 BX200LA4**	438
105	2534	2.7	14.0	26700			**F803_14.0 P200 IEC200L4**	**F803_14.0 P200 BX200LA4**	438
106	2517	1.5	13.9	21100			**F703_13.9 P200 IEC200L4**	**F703_13.9 P200 BX200LA4**	435
114	2339	2.7	12.9	26200			**F803_12.9 P200 IEC200L4**	**F803_12.9 P200 BX200LA4**	438
115	2323	1.5	12.8	20900			**F703_12.8 P200 IEC200L4**	**F703_12.8 P200 BX200LA4**	435
135	1967	1.8	10.9	20300			**F703_10.9 P200 IEC200L4**	**F703_10.9 P200 BX200LA4**	435
142	1874	3.0	10.3	24900			**F803_10.3 P200 IEC200L4**	**F803_10.3 P200 BX200LA4**	438
147	1815	1.8	10.0	20000			**F703_10.0 P200 IEC200L4**	**F703_10.0 P200 BX200LA4**	435

37 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE...		IE2*	IE3	
20.9	15710	0.9	70.8	47600			**F903_70.8 P225 IEC225S4**	**F903_70.8 P225 BX225SA4**	441
25.8	12728	1.1	57.3	47700			**F903_57.3 P225 IEC225S4**	**F903_57.3 P225 BX225SA4**	441
29.7	11079	1.3	49.9	47600			**F903_49.9 P225 IEC225S4**	**F903_49.9 P225 BX225SA4**	441
32	10227	1.4	46.1	47200			**F903_46.1 P225 IEC225S4**	**F903_46.1 P225 BX225SA4**	441
37	8993	1.6	40.5	46800			**F903_40.5 P225 IEC225S4**	**F903_40.5 P225 BX225SA4**	441
38	8659	0.9	39.0	28500			**F803_39.0 P225 IEC225S4**	**F803_39.0 P225 BX225SA4**	438
40	8301	1.6	37.4	46300			**F903_37.4 P225 IEC225S4**	**F903_37.4 P225 BX225SA4**	441
41	7993	1.0	36.0	28300			**F803_36.0 P225 IEC225S4**	**F803_36.0 P225 BX225SA4**	438
47	6939	1.2	31.3	28400			**F803_31.3 P225 IEC225S4**	**F803_31.3 P225 BX225SA4**	438
48	6882	1.9	31.0	45300			**F903_31.0 P225 IEC225S4**	**F903_31.0 P225 BX225SA4**	441
51	6405	1.2	28.8	28100			**F803_28.8 P225 IEC225S4**	**F803_28.8 P225 BX225SA4**	438
52	6353	1.9	28.6	44700			**F903_28.6 P225 IEC225S4**	**F903_28.6 P225 BX225SA4**	441
58	5637	2.1	25.4	43900			**F903_25.4 P225 IEC225S4**	**F903_25.4 P225 BX225SA4**	441
59	5601	1.1	25.2	27800			**F803_25.2 P225 IEC225S4**	**F803_25.2 P225 BX225SA4**	438
66	4947	2.4	22.3	43000			**F903_22.3 P225 IEC225S4**	**F903_22.3 P225 BX225SA4**	441
67	4891	1.1	22.0	27600			**F803_22.0 P225 IEC225S4**	**F803_22.0 P225 BX225SA4**	438
72	4567	2.5	20.6	42300			**F903_20.6 P225 IEC225S4**	**F903_20.6 P225 BX225SA4**	441
73	4515	1.1	20.3	27200			**F803_20.3 P225 IEC225S4**	**F803_20.3 P225 BX225SA4**	438
83	3975	2.8	17.9	41200			**F903_17.9 P225 IEC225S4**	**F903_17.9 P225 BX225SA4**	441
84	3908	1.7	17.6	26800			**F803_17.6 P225 IEC225S4**	**F803_17.6 P225 BX225SA4**	438
90	3669	2.8	16.5	40500			**F903_16.5 P225 IEC225S4**	**F903_16.5 P225 BX225SA4**	441
91	3607	1.7	16.2	26300			**F803_16.2 P225 IEC225S4**	**F803_16.2 P225 BX225SA4**	438
102	3226	3.1	14.5	39500			**F903_14.5 P225 IEC225S4**	**F903_14.5 P225 BX225SA4**	441
106	3104	2.2	14.0	25800			**F803_14.0 P225 IEC225S4**	**F803_14.0 P225 BX225SA4**	438
110	2978	3.1	13.4	38700			**F903_13.4 P225 IEC225S4**	**F903_13.4 P225 BX225SA4**	441
115	2865	2.2	12.9	25300			**F803_12.9 P225 IEC225S4**	**F803_12.9 P225 BX225SA4**	438
132	2487	2.4	11.2	24500			**F803_11.2 P225 IEC225S4**	**F803_11.2 P225 BX225SA4**	438
143	2296	2.4	10.3	24300			**F803_10.3 P225 IEC225S4**	**F803_10.3 P225 BX225SA4**	438

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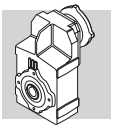


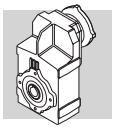
45 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE...		IE2*	IE3	
32	12438	1.1	46.1	43900			**F903_46.1 P225 IEC225M4**	**F903_46.1 P225 BX225SB4**	441
37	10937	1.3	40.5	43900			**F903_40.5 P225 IEC225M4**	**F903_40.5 P225 BX225SB4**	441
40	10096	1.3	37.4	43600			**F903_37.4 P225 IEC225M4**	**F903_37.4 P225 BX225SB4**	441
47	8439	0.9	31.3	26100			**F803_31.3 P225 IEC225M4**	**F803_31.3 P225 BX225SB4**	438
48	8370	1.6	31.0	43100			**F903_31.0 P225 IEC225M4**	**F903_31.0 P225 BX225SB4**	441
51	7790	1.0	28.8	26000			**F803_28.8 P225 IEC225M4**	**F803_28.8 P225 BX225SB4**	438
52	7726	1.6	28.6	42600			**F903_28.6 P225 IEC225M4**	**F903_28.6 P225 BX225SB4**	441
58	6855	1.8	25.4	42000			**F903_25.4 P225 IEC225M4**	**F903_25.4 P225 BX225SB4**	441
66	6017	2.0	22.3	41400			**F903_22.3 P225 IEC225M4**	**F903_22.3 P225 BX225SB4**	441
67	5948	1.1	22.0	26000			**F803_22.0 P225 IEC225M4**	**F803_22.0 P225 BX225SB4**	438
72	5554	2.0	20.6	40800			**F903_20.6 P225 IEC225M4**	**F903_20.6 P225 BX225SB4**	441
73	5491	1.1	20.3	25700			**F803_20.3 P225 IEC225M4**	**F803_20.3 P225 BX225SB4**	438
83	4834	2.3	17.9	39900			**F903_17.9 P225 IEC225M4**	**F903_17.9 P225 BX225SB4**	441
84	4753	1.4	17.6	25500			**F803_17.6 P225 IEC225M4**	**F803_17.6 P225 BX225SB4**	438
90	4463	2.3	16.5	39300			**F903_16.5 P225 IEC225M4**	**F903_16.5 P225 BX225SB4**	441
91	4387	1.4	16.2	25200			**F803_16.2 P225 IEC225M4**	**F803_16.2 P225 BX225SB4**	438
102	3924	2.5	14.5	38400			**F903_14.5 P225 IEC225M4**	**F903_14.5 P225 BX225SB4**	441
106	3775	1.8	14.0	24800			**F803_14.0 P225 IEC225M4**	**F803_14.0 P225 BX225SB4**	438
110	3622	2.6	13.4	37800			**F903_13.4 P225 IEC225M4**	**F903_13.4 P225 BX225SB4**	441
115	3484	1.8	12.9	24100			**F803_12.9 P225 IEC225M4**	**F803_12.9 P225 BX225SB4**	438
132	3025	1.5	11.2	24000			**F803_11.2 P225 IEC225M4**	**F803_11.2 P225 BX225SB4**	438
133	3003	2.9	11.1	36400			**F903_11.1 P225 IEC225M4**	**F903_11.1 P225 BX225SB4**	441
143	2792	2.0	10.3	23500			**F803_10.3 P225 IEC225M4**	**F803_10.3 P225 BX225SB4**	438

55 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE...		IE2*	IE3	
32	15202	0.9	46.1	39700			**F903_46.1 P250 IEC250M4**	**F903_46.1 P250 BX250MA4**	441
37	13367	1.0	40.5	40300			**F903_40.5 P250 IEC250M4**	**F903_40.5 P250 BX250MA4**	441
40	12339	1.1	37.4	40200			**F903_37.4 P250 IEC250M4**	**F903_37.4 P250 BX250MA4**	441
48	10230	1.3	31.0	40300			**F903_31.0 P250 IEC250M4**	**F903_31.0 P250 BX250MA4**	441
52	9443	1.3	28.6	40100			**F903_28.6 P250 IEC250M4**	**F903_28.6 P250 BX250MA4**	441
58	8379	1.4	25.4	39700			**F903_25.4 P250 IEC250M4**	**F903_25.4 P250 BX250MA4**	441
66	7354	1.6	22.3	39400			**F903_22.3 P250 IEC250M4**	**F903_22.3 P250 BX250MA4**	441
72	6788	1.7	20.6	38900			**F903_20.6 P250 IEC250M4**	**F903_20.6 P250 BX250MA4**	441
83	5909	1.9	17.9	38300			**F903_17.9 P250 IEC250M4**	**F903_17.9 P250 BX250MA4**	441
90	5454	1.9	16.5	37800			**F903_16.5 P250 IEC250M4**	**F903_16.5 P250 BX250MA4**	441
102	4796	2.1	14.5	37100			**F903_14.5 P250 IEC250M4**	**F903_14.5 P250 BX250MA4**	441
110	4427	2.1	13.4	36600			**F903_13.4 P250 IEC250M4**	**F903_13.4 P250 BX250MA4**	441
133	3671	2.4	11.1	35400			**F903_11.1 P250 IEC250M4**	**F903_11.1 P250 BX250MA4**	441
144	3388	2.4	10.3	34800			**F903_10.3 P250 IEC250M4**	**F903_10.3 P250 BX250MA4**	441

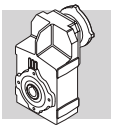
***The technical information shall be considered as indicative, the configurations should be matching the data provided by motors manufacturers on rated powers greater than 22 kW.**



60 GEARBOX RATING CHARTS

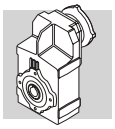
F 10 — 140 Nm

	i	n_1 = 2800 min^{-1}					n_1 = 1400 min^{-1}					
		n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	
F 10 2_7.4	7.4	378	63	2.6	1000	1290	189	76	1.6	1290	1640	
F 10 2_8.6	8.6	326	67	2.4	980	1350	163	82	1.5	1260	1710	
F 10 2_9.8	9.8	287	73	2.3	980	1410	143	89	1.4	1250	1780	
F 10 2_11.5	11.5	243	78	2.1	950	1480	121	96	1.3	1220	1870	
F 10 2_13.0	13.0	215	85	2.0	940	1530	107	104	1.2	1210	1940	
F 10 2_14.6	14.6	191	94	2.0	1120	1590	96	119	1.3	1300	2000	
F 10 2_17.0	17.0	165	104	1.9	1090	1650	82	128	1.2	1300	2090	
F 10 2_19.3	19.3	145	108	1.7	1100	1730	72	136	1.1	1300	2180	
F 10 2_22.8	22.8	123	119	1.6	1080	1810	61	140	0.95	1300	2310	
F 10 2_25.8	25.8	109	123	1.5	1090	1890	54	140	0.84	1300	2430	
F 10 2_29.6	29.6	94	132	1.4	1060	1970	47	140	0.73	1300	2560	
F 10 2_33.0	33.0	85	137	1.3	1070	2040	42	140	0.65	1300	2670	407
F 10 2_35.3	35.3	79	140	1.2	1060	2090	40	140	0.61	1300	2740	
F 10 2_39.6	39.6	71	140	1.1	1080	2190	35	140	0.54	1300	2800	
F 10 2_44.7	44.7	63	140	0.97	1080	2290	31	140	0.48	1300	2800	
F 10 2_48.7	48.7	57	140	0.89	1090	2370	28.7	140	0.44	1300	2800	
F 10 2_56.7	56.7	49	140	0.76	1100	2520	24.7	140	0.38	1300	2800	
F 10 2_63.0	63.0	44	140	0.69	1110	2620	22.2	140	0.34	1300	2800	
F 10 2_71.1	71.1	39	140	0.61	1000	2750	19.7	140	0.30	1300	2800	
F 10 2_81.3	81.3	34	140	0.53	1110	2800	17.2	140	0.27	1300	2800	
F 10 2_91.5	91.5	31	140	0.47	1110	2800	15.3	140	0.24	1300	2800	
F 10 2_106.0	106.0	26.4	140	0.41	1120	2800	13.2	140	0.20	1300	2800	
F 10 2_127.1	127.1	22.0	140	0.34	1130	2800	11.0	140	0.17	1300	2800	



F 10 — 140 Nm

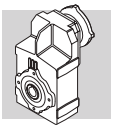
	i	n_1 = 900 min^{-1}					n_1 = 500 min^{-1}					
		n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	
F 10 2_7.4	7.4	122	91	1.2	1300	1890	68	111	0.83	1300	2300	
F 10 2_8.6	8.6	105	94	1.1	1300	1970	58	112	0.72	1300	2430	
F 10 2_9.8	9.8	92	107	1.1	1300	2050	51	130	0.73	1300	2490	
F 10 2_11.5	11.5	78	110	0.95	1300	2180	43	131	0.63	1300	2660	
F 10 2_13.0	13.0	69	124	0.94	1300	2240	38	140	0.59	1300	2800	
F 10 2_14.6	14.6	61	138	0.93	1300	2320	34	140	0.53	1300	2800	
F 10 2_17.0	17.0	53	140	0.82	1300	2450	29.5	140	0.46	1300	2800	
F 10 2_19.3	19.3	47	140	0.72	1300	2580	25.9	140	0.40	1300	2800	
F 10 2_22.8	22.8	39	140	0.61	1300	2750	21.9	140	0.34	1300	2800	
F 10 2_25.8	25.8	35	140	0.54	1300	2800	19.4	140	0.30	1300	2800	
F 10 2_29.6	29.6	30	140	0.47	1300	2800	16.9	140	0.26	1300	2800	
F 10 2_33.0	33.0	27.3	140	0.42	1300	2800	15.2	140	0.23	1300	2800	407
F 10 2_35.3	35.3	25.5	140	0.39	1300	2800	14.1	140	0.22	1300	2800	
F 10 2_39.6	39.6	22.7	140	0.35	1300	2800	12.6	140	0.19	1300	2800	
F 10 2_44.7	44.7	20.1	140	0.31	1300	2800	11.2	140	0.17	1300	2800	
F 10 2_48.7	48.7	18.5	140	0.29	1300	2800	10.3	140	0.16	1300	2800	
F 10 2_56.7	56.7	15.9	140	0.24	1300	2800	8.8	140	0.14	1300	2800	
F 10 2_63.0	63.0	14.3	140	0.22	1300	2800	7.9	140	0.12	1300	2800	
F 10 2_71.1	71.1	12.7	140	0.20	1300	2800	7.0	140	0.11	1300	2800	
F 10 2_81.3	81.3	11.1	140	0.17	1300	2800	6.1	140	0.09	1300	2800	
F 10 2_91.5	91.5	9.8	140	0.15	1300	2800	5.5	140	0.08	1300	2800	
F 10 2_106.0	106.0	8.5	140	0.13	1300	2800	4.7	140	0.07	1300	2800	
F 10 2_127.1	127.1	7.1	140	0.11	1300	2800	3.9	140	0.06	1300	2800	



F 20 — 250 Nm

	i	n_1 = 2800 min^{-1}					n_1 = 1400 min^{-1}					
		n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	
F 20 2_6.4	6.4	437	103	5.0	—	1370	218	130	3.1	—	1720	
F 20 2_7.8	7.8	357	115	4.5	—	1440	179	144	2.8	—	1820	
F 20 2_8.7	8.7	321	123	4.3	—	1490	160	155	2.7	—	1870	
F 20 2_10.0	10.0	279	131	4.0	—	1550	140	165	2.5	—	1950	
F 20 2_11.2	11.2	249	141	3.9	—	1590	125	177	2.4	—	2010	
F 20 2_14.8	14.8	189	166	3.5	760	1740	95	203	2.1	1010	2210	
F 20 2_18.1	18.1	155	175	3.0	750	1870	77	213	1.8	1020	2380	
F 20 2_20.2	20.2	139	182	2.8	810	1940	69	223	1.7	1070	2460	
F 20 2_23.1	23.1	121	190	2.5	770	2030	60	235	1.6	1000	2570	
F 20 2_25.9	25.9	108	196	2.3	830	2110	54	240	1.4	1100	2680	
F 20 2_30.4	30.4	92	205	2.1	780	2230	46	250	1.3	1050	2840	
F 20 2_33.1	33.1	85	210	2.0	800	2300	42	250	1.2	1120	2940	
F 20 2_37.9	37.9	74	220	1.8	740	2400	37	250	1.0	1130	3110	
F 20 2_41.8	41.8	67	225	1.7	780	2490	33	250	0.92	1220	3240	
F 20 2_44.8	44.8	62	235	1.6	690	2540	31	250	0.86	1200	3330	
F 20 2_50.7	50.7	55	238	1.4	780	2660	27.6	250	0.76	1320	3500	
F 20 2_56.7	56.7	49	250	1.4	730	2750	24.7	250	0.68	1360	3660	
F 20 2_61.9	61.9	45	250	1.2	750	2860	22.6	250	0.62	1370	3790	
F 20 2_69.1	69.1	40	250	1.1	760	2990	20.2	250	0.56	1370	3950	411
F 20 2_76.8	76.8	36	250	1.0	780	3130	18.2	250	0.50	1380	4000	
F 20 2_90.4	90.4	31	250	0.85	830	3340	15.5	250	0.43	1390	4000	
F 20 2_101.6	101.6	27.5	250	0.76	830	3500	13.8	250	0.38	1390	4000	
F 20 2_114.3	114.3	24.5	250	0.67	850	3670	12.2	250	0.34	1400	4000	
F 20 2_132.2	132.2	21.2	250	0.58	870	3890	10.6	250	0.29	1400	4000	
F 20 3_156.3	156.3	17.9	250	0.50	1170	4000	9.0	250	0.25	1300	4000	
F 20 3_172.6	172.6	16.2	250	0.46	1200	4000	8.1	250	0.23	1300	4000	
F 20 3_184.9	184.9	15.1	250	0.43	1210	4000	7.6	250	0.21	1300	4000	
F 20 3_209.3	209.3	13.4	250	0.38	1240	4000	6.7	250	0.19	1300	4000	
F 20 3_234.0	234.0	12.0	250	0.34	1270	4000	6.0	250	0.17	1300	4000	
F 20 3_255.3	255.3	11.0	250	0.31	1280	4000	5.5	250	0.15	1300	4000	
F 20 3_285.2	285.2	9.8	250	0.28	1300	4000	4.9	250	0.14	1300	4000	
F 20 3_316.9	316.9	8.8	250	0.25	1300	4000	4.4	250	0.12	1300	4000	
F 20 3_372.9	372.9	7.5	250	0.21	1300	4000	3.8	250	0.11	1300	4000	
F 20 3_419.3	419.3	6.7	250	0.19	1300	4000	3.3	250	0.09	1300	4000	
F 20 3_471.7	471.7	5.9	250	0.17	1300	4000	3.0	250	0.08	1300	4000	
F 20 3_545.3	545.3	5.1	250	0.14	1300	4000	2.6	250	0.07	1300	4000	

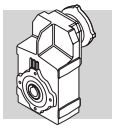
(—) Contact our technical service department advising radial load data (rotation direction, orientation, position)



F 20 — 250 Nm

	i	n_1 = 900 min^{-1}					n_1 = 500 min^{-1}					
		n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	
F 20 2_6.4	6.4	140	150	2.3	—	1990	218	183	4.4	—	2420	
F 20 2_7.8	7.8	115	167	2.1	—	2110	64	189	1.3	—	2610	
F 20 2_8.7	8.7	103	180	2.0	—	2170	57	219	1.4	—	2640	
F 20 2_10.0	10.0	90	191	1.9	—	2260	50	221	1.2	—	2790	
F 20 2_11.2	11.2	80	205	1.8	—	2330	45	250	1.2	—	2830	
F 20 2_14.8	14.8	61	232	1.6	1210	2570	34	250	0.93	1790	3230	
F 20 2_18.1	18.1	50	250	1.4	1150	2740	27.7	250	0.76	1910	3500	
F 20 2_20.2	20.2	45	250	1.2	1320	2870	24.8	250	0.68	1960	3650	
F 20 2_23.1	23.1	39	250	1.1	1350	3040	21.6	250	0.60	1970	3860	
F 20 2_25.9	25.9	35	250	0.96	1500	3190	19.3	250	0.53	2010	4000	
F 20 2_30.4	30.4	29.6	250	0.82	1530	3400	16.5	250	0.45	2020	4000	
F 20 2_33.1	33.1	27.2	250	0.75	1580	3520	15.1	250	0.42	2040	4000	
F 20 2_37.9	37.9	23.8	250	0.65	1590	3720	13.2	250	0.36	2040	4000	
F 20 2_41.8	41.8	21.5	250	0.59	1610	3870	12.0	250	0.33	2070	4000	
F 20 2_44.8	44.8	20.1	250	0.55	1610	3970	11.2	250	0.31	2060	4000	
F 20 2_50.7	50.7	17.7	250	0.49	1640	4000	9.9	250	0.27	2090	4000	
F 20 2_56.7	56.7	15.9	250	0.44	1650	4000	8.8	250	0.24	2110	4000	
F 20 2_61.9	61.9	14.5	250	0.40	1660	4000	8.1	250	0.22	2110	4000	
F 20 2_69.1	69.1	13.0	250	0.36	1660	4000	7.2	250	0.20	2110	4000	411
F 20 2_76.8	76.8	11.7	250	0.32	1670	4000	6.5	250	0.18	2120	4000	
F 20 2_90.4	90.4	10.0	250	0.27	1680	4000	5.5	250	0.15	2130	4000	
F 20 2_101.6	101.6	8.9	250	0.24	1680	4000	4.9	250	0.14	2130	4000	
F 20 2_114.3	114.3	7.9	250	0.22	1690	4000	4.4	250	0.12	2140	4000	
F 20 2_132.2	132.2	6.8	250	0.19	1690	4000	3.8	250	0.10	2150	4000	
F 20 3_156.3	156.3	5.8	250	0.16	1300	4000	3.2	250	0.09	1300	4000	
F 20 3_172.6	172.6	5.2	250	0.15	1300	4000	2.9	250	0.08	1300	4000	
F 20 3_184.9	184.9	4.9	250	0.14	1300	4000	2.7	250	0.08	1300	4000	
F 20 3_209.3	209.3	4.3	250	0.12	1300	4000	2.4	250	0.07	1300	4000	
F 20 3_234.0	234.0	3.8	250	0.11	1300	4000	2.1	250	0.06	1300	4000	
F 20 3_255.3	255.3	3.5	250	0.10	1300	4000	2.0	250	0.06	1300	4000	
F 20 3_285.2	285.2	3.2	250	0.09	1300	4000	1.8	250	0.05	1300	4000	
F 20 3_316.9	316.9	2.8	250	0.08	1300	4000	1.6	250	0.04	1300	4000	
F 20 3_372.9	372.9	2.4	250	0.07	1300	4000	1.3	250	0.04	1300	4000	
F 20 3_419.3	419.3	2.1	250	0.06	1300	4000	1.2	250	0.03	1300	4000	
F 20 3_471.7	471.7	1.9	250	0.05	1300	4000	1.1	250	0.03	1300	4000	
F 20 3_545.3	545.3	1.7	250	0.05	1300	4000	0.92	250	0.03	1300	4000	

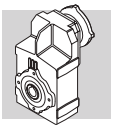
(—) Contact our technical service department advising radial load data (rotation direction, orientation, position)



F 25 — 400 Nm

	i	n_1 = 2800 min^{-1}					n_1 = 1400 min^{-1}					
		n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	
F 25 2_6.9	6.9	408	155	7.0	—	1840	204	195	4.4	—	2320	
F 25 2_8.4	8.4	334	170	6.3	—	1950	167	215	4.0	—	2450	
F 25 2_9.4	9.4	299	180	5.9	—	2010	150	225	3.7	—	2540	
F 25 2_10.6	10.6	264	240	7.0	—	1850	132	305	4.4	—	2320	
F 25 2_13.0	13.0	216	255	6.1	—	1990	108	320	3.8	—	2510	
F 25 2_14.5	14.5	194	260	5.5	—	2080	97	330	3.5	—	2610	
F 25 2_16.6	16.6	168	270	5.0	—	2190	84	340	3.2	—	2760	
F 25 2_18.6	18.6	150	280	4.6	—	2270	75	350	2.9	—	2870	
F 25 2_21.8	21.8	128	280	4.0	—	2460	64	355	2.5	250	3090	
F 25 2_23.8	23.8	118	285	3.7	250	2540	59	360	2.3	300	3200	
F 25 2_27.2	27.2	103	290	3.3	250	2690	51	365	2.1	320	3400	
F 25 2_30.0	30.0	93	295	3.0	310	2800	47	370	1.9	410	3540	
F 25 2_32.2	32.2	87	295	2.8	310	2900	44	370	1.8	410	3660	
F 25 2_36.4	36.4	77	295	2.5	460	3070	38	370	1.6	600	3880	
F 25 2_40.7	40.7	69	295	2.2	560	3230	34	370	1.4	720	4080	
F 25 2_44.4	44.4	63	295	2.0	720	3360	32	370	1.3	720	4250	
F 25 3_45.6	45.6	61	340	2.4	1440	3100	31	400	1.4	1830	4030	
F 25 3_50.8	50.8	55	350	2.2	1450	3230	27.6	400	1.2	1850	4250	
F 25 3_58.3	58.3	48	365	2.0	1450	3390	24.0	400	1.1	1860	4530	
F 25 3_65.3	65.3	43	375	1.8	1450	3530	21.4	400	0.97	1870	4780	
F 25 3_76.6	76.6	37	395	1.6	1450	3730	18.3	400	0.82	1880	5140	
F 25 3_83.4	83.4	34	400	1.5	1450	3860	16.8	400	0.76	1880	5330	
F 25 3_95.5	95.5	29.3	400	1.3	1460	4130	14.7	400	0.66	1890	5660	415
F 25 3_105.4	105.4	26.6	400	1.2	1470	4320	13.3	400	0.60	1890	5910	
F 25 3_113.0	113.0	24.8	400	1.1	1470	4470	12.4	400	0.56	1890	6090	
F 25 3_127.8	127.8	21.9	400	0.99	1480	4730	11.0	400	0.49	1900	6430	
F 25 3_143.0	143.0	19.6	400	0.88	1480	4980	9.8	400	0.44	1910	6500	
F 25 3_155.9	155.9	18.0	400	0.81	1480	5180	9.0	400	0.40	1910	6500	
F 25 3_174.2	174.2	16.1	400	0.72	1490	5440	8.0	400	0.36	1910	6500	
F 25 3_193.6	193.6	14.5	400	0.65	1490	5700	7.2	400	0.33	1910	6500	
F 25 3_227.8	227.8	12.3	400	0.55	1490	6120	6.1	400	0.28	1920	6500	
F 25 3_256.1	256.1	10.9	400	0.49	1490	6430	5.5	400	0.25	1920	6500	
F 25 3_288.1	288.1	9.7	400	0.44	1490	6500	4.9	400	0.22	1920	6500	
F 25 3_333.1	333.1	8.4	400	0.38	1500	6500	4.2	400	0.19	1930	6500	
F 25 4_393.9	393.9	7.1	400	0.33	1270	6500	3.6	400	0.17	1300	6500	
F 25 4_434.9	434.9	6.4	400	0.30	1290	6500	3.2	400	0.15	1300	6500	
F 25 4_466.0	466.0	6.0	400	0.28	1300	6500	3.0	400	0.14	1300	6500	
F 25 4_527.3	527.3	5.3	400	0.25	1300	6500	2.7	400	0.12	1300	6500	
F 25 4_589.7	589.7	4.7	400	0.22	1300	6500	2.4	400	0.11	1300	6500	
F 25 4_643.3	643.3	4.4	400	0.20	1300	6500	2.2	400	0.10	1300	6500	
F 25 4_718.7	718.7	3.9	400	0.18	1300	6500	1.9	400	0.09	1300	6500	
F 25 4_798.5	798.5	3.5	400	0.16	1300	6500	1.8	400	0.08	1300	6500	
F 25 4_939.8	939.8	3.0	400	0.14	1300	6500	1.5	400	0.07	1300	6500	
F 25 4_1057	1057	2.7	400	0.12	1300	6500	1.3	400	0.06	1300	6500	
F 25 4_1189	1189	2.4	400	0.11	1300	6500	1.2	400	0.05	1300	6500	
F 25 4_1374	1374	2.0	400	0.09	1300	6500	1.0	400	0.05	1300	6500	

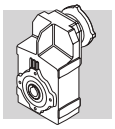
(—) Contact our technical service department advising radial load data (rotation direction, orientation, position)



F 25 — 400 Nm

	i	n_1 = 900 min^{-1}					n_1 = 500 min^{-1}					
		n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	
F 25 2_6.9	6.9	131	225	3.2	—	2690	73	255	2.0	370	3350	
F 25 2_8.4	8.4	107	250	3.0	—	2840	60	260	1.7	590	3630	
F 25 2_9.4	9.4	96	260	2.8	—	2940	53	265	1.6	820	3780	
F 25 2_10.6	10.6	85	355	3.3	—	2680	47	395	2.0	360	3420	
F 25 2_13.0	13.0	69	370	2.8	—	2910	39	400	1.7	620	3750	
F 25 2_14.5	14.5	62	380	2.6	—	3030	35	400	1.5	940	3950	
F 25 2_16.6	16.6	54	395	2.4	—	3190	30	400	1.3	1070	4210	
F 25 2_18.6	18.6	48	400	2.1	300	3350	26.9	400	1.2	1330	4440	
F 25 2_21.8	21.8	41	400	1.8	420	3630	22.9	400	1.0	1450	4770	
F 25 2_23.8	23.8	38	400	1.7	530	3780	21.0	400	0.93	1560	4950	
F 25 2_27.2	27.2	33	400	1.5	610	4030	18.4	400	0.81	1640	5260	
F 25 2_30.0	30.0	30	400	1.3	760	4220	16.6	400	0.73	1790	5490	
F 25 2_32.2	32.2	28.0	400	1.2	760	4360	15.5	400	0.69	1790	5660	
F 25 2_36.4	36.4	24.7	400	1.1	970	4610	13.7	400	0.61	2000	5970	
F 25 2_40.7	40.7	22.1	375	0.91	1330	4950	12.3	375	0.51	2000	6360	
F 25 2_44.4	44.4	20.3	385	0.86	1230	5100	11.3	385	0.48	2000	6500	
F 25 3_45.6	45.6	19.8	400	0.89	2160	4960	11.0	400	0.49	2200	6420	
F 25 3_50.8	50.8	17.7	400	0.80	2180	5210	9.8	400	0.44	2200	6500	
F 25 3_58.3	58.3	15.4	400	0.69	2190	5540	8.6	400	0.39	2200	6500	
F 25 3_65.3	65.3	13.8	400	0.62	2200	5820	7.7	400	0.34	2200	6500	
F 25 3_76.6	76.6	11.8	400	0.53	2200	6240	6.5	400	0.29	2200	6500	
F 25 3_83.4	83.4	10.8	400	0.49	2200	6470	6.0	400	0.27	2200	6500	
F 25 3_95.5	95.5	9.4	400	0.42	2200	6500	5.2	400	0.24	2200	6500	415
F 25 3_105.4	105.4	8.5	400	0.38	2200	6500	4.7	400	0.21	2200	6500	
F 25 3_113.0	113.0	8.0	400	0.36	2200	6500	4.4	400	0.20	2200	6500	
F 25 3_127.8	127.8	7.0	400	0.32	2200	6500	3.9	400	0.18	2200	6500	
F 25 3_143.0	143.0	6.3	400	0.28	2200	6500	3.5	400	0.16	2200	6500	
F 25 3_155.9	155.9	5.8	400	0.26	2200	6500	3.2	400	0.14	2200	6500	
F 25 3_174.2	174.2	5.2	400	0.23	2200	6500	2.9	400	0.13	2200	6500	
F 25 3_193.6	193.6	4.6	400	0.21	2200	6500	2.6	400	0.12	2200	6500	
F 25 3_227.8	227.8	4.0	400	0.18	2200	6500	2.2	400	0.10	2200	6500	
F 25 3_256.1	256.1	3.5	400	0.16	2200	6500	2.0	400	0.09	2200	6500	
F 25 3_288.1	288.1	3.1	400	0.14	2200	6500	1.7	400	0.08	2200	6500	
F 25 3_333.1	333.1	2.7	400	0.12	2200	6500	1.5	400	0.07	2200	6500	
F 25 4_393.9	393.9	2.3	400	0.11	1300	6500	1.3	400	0.06	1300	6500	
F 25 4_434.9	434.9	2.1	400	0.10	1300	6500	1.1	400	0.05	1300	6500	
F 25 4_466.0	466.0	1.9	400	0.09	1300	6500	1.1	400	0.05	1300	6500	
F 25 4_527.3	527.3	1.7	400	0.08	1300	6500	0.95	400	0.04	1300	6500	
F 25 4_589.7	589.7	1.5	400	0.07	1300	6500	0.85	400	0.04	1300	6500	
F 25 4_643.3	643.3	1.4	400	0.07	1300	6500	0.78	400	0.04	1300	6500	
F 25 4_718.7	718.7	1.3	400	0.06	1300	6500	0.70	400	0.03	1300	6500	
F 25 4_798.5	798.5	1.1	400	0.05	1300	6500	0.63	400	0.03	1300	6500	
F 25 4_939.8	939.8	0.96	400	0.04	1300	6500	0.53	400	0.02	1300	6500	
F 25 4_1057	1057	0.85	400	0.04	1300	6500	0.47	400	0.02	1300	6500	
F 25 4_1189	1189	0.76	400	0.04	1300	6500	0.42	400	0.02	1300	6500	
F 25 4_1374	1374	0.65	400	0.03	1300	6500	0.36	400	0.02	1300	6500	

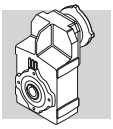
(—) Contact our technical service department advising radial load data (rotation direction, orientation, position)



F 31 — 600 Nm

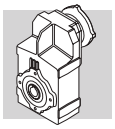
	i	n_1 = 2800 min^{-1}					n_1 = 1400 min^{-1}					
		n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	
F 31 2_6.9	6.9	403	295	13.1	—	2710	201	360	8.0	—	3460	419
F 31 2_8.2	8.2	340	310	11.6	—	2880	170	375	7.0	—	3690	
F 31 2_9.0	9.0	311	310	10.6	—	3000	155	385	6.6	390	3810	
F 31 2_10.7	10.7	261	450	12.9	—	2790	130	525	7.5	500	3670	
F 31 2_12.7	12.7	220	475	11.5	—	2950	110	555	6.7	490	3880	
F 31 2_13.9	13.9	201	475	10.5	290	3100	100	570	6.3	650	4010	
F 31 2_16.8	16.8	167	475	8.7	510	3410	83	595	5.5	680	4310	
F 31 2_18.5	18.5	151	475	7.9	730	3580	76	600	5.0	910	4510	
F 31 2_21.1	21.1	133	475	6.9	830	3830	66	600	4.4	1030	4820	
F 31 2_23.4	23.4	120	475	6.3	1020	4020	60	600	4.0	1270	5060	
F 31 2_27.3	27.3	103	475	5.4	1100	4330	51	600	3.4	1380	5450	
F 31 2_30.1	30.1	93	475	4.9	1270	4540	46	600	3.1	1590	5710	
F 31 2_34.4	34.4	81	475	4.3	1330	4820	41	600	2.7	1660	6070	
F 31 2_37.7	37.7	74	475	3.9	1430	5030	37	600	2.5	1800	6330	
F 31 2_40.4	40.4	69	475	3.6	1440	5190	35	600	2.3	1800	6500	
F 31 2_44.6	44.6	63	475	3.3	1540	5430	31	600	2.1	1930	6500	
F 31 3_47.5	47.5	59	475	3.1	2110	5490	29.4	580	1.9	2200	6500	
F 31 3_52.1	52.1	54	485	2.9	2120	5680	26.9	600	1.8	2200	6500	
F 31 3_62.8	62.8	45	515	2.6	2120	6040	22.3	600	1.5	2200	6500	
F 31 3_69.1	69.1	41	530	2.4	2130	6250	20.3	600	1.4	2200	6500	
F 31 3_78.9	78.9	36	550	2.2	2120	6500	17.8	600	1.2	2200	6500	
F 31 3_87.4	87.4	32	570	2.1	2130	6500	16.0	600	1.1	2200	6500	
F 31 3_101.9	101.9	27.5	595	1.8	2130	6500	13.7	600	0.93	2200	6500	
F 31 3_112.5	112.5	24.9	600	1.7	2130	6500	12.4	600	0.84	2200	6500	
F 31 3_128.4	128.4	21.8	600	1.5	2140	6500	10.9	600	0.74	2200	6500	
F 31 3_140.7	140.7	19.9	600	1.3	2140	6500	9.9	600	0.67	2200	6500	
F 31 3_150.8	150.8	18.6	600	1.3	2140	6500	9.3	600	0.63	2200	6500	
F 31 3_166.8	166.8	16.8	600	1.1	2150	6500	8.4	600	0.57	2200	6500	
F 31 3_185.4	185.4	15.1	600	1.0	2160	6500	7.5	600	0.51	2200	6500	
F 31 3_202.3	202.3	13.8	600	0.94	2160	6500	6.9	600	0.47	2200	6500	
F 31 3_228.2	228.2	12.3	600	0.83	2160	6500	6.1	600	0.41	2200	6500	
F 31 3_253.6	253.6	11.0	600	0.75	2160	6500	5.5	600	0.37	2200	6500	
F 31 3_293.8	293.8	9.5	600	0.64	2170	6500	4.8	600	0.32	2200	6500	
F 31 3_332.8	332.8	8.4	600	0.57	2170	6500	4.2	600	0.28	2200	6500	
F 31 3_374.4	374.4	7.5	600	0.51	2170	6500	3.7	600	0.25	2200	6500	
F 31 4_418.9	418.9	6.7	600	0.47	1230	6500	3.3	600	0.23	1300	6500	
F 31 4_462.6	462.6	6.1	600	0.42	1250	6500	3.0	600	0.21	1300	6500	
F 31 4_527.8	527.8	5.3	600	0.37	1270	6500	2.7	600	0.19	1300	6500	
F 31 4_578.6	578.6	4.8	600	0.34	1290	6500	2.4	600	0.17	1300	6500	
F 31 4_619.9	619.9	4.5	600	0.32	1300	6500	2.3	600	0.16	1300	6500	
F 31 4_685.6	685.6	4.1	600	0.29	1300	6500	2.0	600	0.14	1300	6500	
F 31 4_762.3	762.3	3.7	600	0.26	1300	6500	1.8	600	0.13	1300	6500	
F 31 4_831.6	831.6	3.4	600	0.24	1300	6500	1.7	600	0.12	1300	6500	
F 31 4_938.2	938.2	3.0	600	0.21	1300	6500	1.5	600	0.10	1300	6500	
F 31 4_1042	1042	2.7	600	0.19	1300	6500	1.3	600	0.09	1300	6500	
F 31 4_1208	1208	2.3	600	0.16	1300	6500	1.2	600	0.08	1300	6500	
F 31 4_1368	1368	2.0	600	0.14	1300	6500	1.0	600	0.07	1300	6500	
F 31 4_1539	1539	1.8	600	0.13	1300	6500	0.91	600	0.06	1300	6500	

(—) Contact our technical service department advising radial load data (rotation direction, orientation, position)



F 31 — 600 Nm

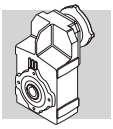
	i	n_1 = 900 min^{-1}					n_1 = 500 min^{-1}					
		n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	
F 31 2_6.9	6.9	130	390	5.6	640	4120	72	390	3.1	2200	5350	
F 31 2_8.2	8.2	109	390	4.7	990	4450	61	390	2.6	2200	5760	
F 31 2_9.0	9.0	100	390	4.3	1320	4640	55	390	2.4	2200	5980	
F 31 2_10.7	10.7	84	600	5.5	670	4280	47	600	3.1	2200	5710	
F 31 2_12.7	12.7	71	600	4.7	1020	4670	39	600	2.6	2200	6170	
F 31 2_13.9	13.9	65	600	4.3	1350	4880	36	600	2.4	2200	6440	
F 31 2_16.8	16.8	54	600	3.5	1640	5340	29.8	600	2.0	2200	6500	
F 31 2_18.5	18.5	49	600	3.2	1915	5580	27.0	600	1.8	2200	6500	
F 31 2_21.1	21.1	43	600	2.8	2040	5950	23.7	600	1.6	2200	6500	
F 31 2_23.4	23.4	38	600	2.5	2200	6230	21.4	600	1.4	2200	6500	
F 31 2_27.3	27.3	33	600	2.2	2200	6500	18.3	600	1.2	2200	6500	
F 31 2_30.1	30.1	29.9	600	2.0	2200	6500	16.6	600	1.1	2200	6500	
F 31 2_34.4	34.4	26.2	600	1.7	2200	6500	14.6	600	0.96	2200	6500	
F 31 2_37.7	37.7	23.9	600	1.6	2200	6500	13.3	600	0.88	2200	6500	
F 31 2_40.4	40.4	22.3	600	1.5	2200	6500	12.4	600	0.82	2200	6500	
F 31 2_44.6	44.6	20.2	600	1.3	2200	6500	11.2	600	0.74	2200	6500	
F 31 3_47.5	47.5	18.9	600	1.3	2200	6500	10.5	600	0.71	2200	6500	
F 31 3_52.1	52.1	17.3	600	1.2	2200	6500	9.6	600	0.65	2200	6500	
F 31 3_62.8	62.8	14.3	600	0.97	2200	6500	8.0	600	0.54	2200	6500	
F 31 3_69.1	69.1	13.0	600	0.88	2200	6500	7.2	600	0.49	2200	6500	
F 31 3_78.9	78.9	11.4	600	0.77	2200	6500	6.3	600	0.43	2200	6500	
F 31 3_87.4	87.4	10.3	600	0.70	2200	6500	5.7	600	0.39	2200	6500	
F 31 3_101.9	101.9	8.8	600	0.60	2200	6500	4.9	600	0.33	2200	6500	
F 31 3_112.5	112.5	8.0	600	0.54	2200	6500	4.4	600	0.30	2200	6500	419
F 31 3_128.4	128.4	7.0	600	0.47	2200	6500	3.9	600	0.26	2200	6500	
F 31 3_140.7	140.7	6.4	600	0.43	2200	6500	3.6	600	0.24	2200	6500	
F 31 3_150.8	150.8	6.0	600	0.40	2200	6500	3.3	600	0.22	2200	6500	
F 31 3_166.8	166.8	5.4	600	0.36	2200	6500	3.0	600	0.20	2200	6500	
F 31 3_185.4	185.4	4.9	600	0.33	2200	6500	2.7	600	0.18	2200	6500	
F 31 3_202.3	202.3	4.4	600	0.30	2200	6500	2.5	600	0.17	2200	6500	
F 31 3_228.2	228.2	3.9	600	0.27	2200	6500	2.2	600	0.15	2200	6500	
F 31 3_253.6	253.6	3.5	600	0.24	2200	6500	2.0	600	0.13	2200	6500	
F 31 3_293.8	293.8	3.1	600	0.21	2200	6500	1.7	600	0.11	2200	6500	
F 31 3_332.8	332.8	2.7	600	0.18	2200	6500	1.5	600	0.10	2200	6500	
F 31 3_374.4	374.4	2.4	600	0.16	2200	6500	1.3	600	0.09	2200	6500	
F 31 4_418.9	418.9	2.1	600	0.15	1300	6500	1.2	600	0.08	1300	6500	
F 31 4_462.6	462.6	1.9	600	0.14	1300	6500	1.1	600	0.08	1300	6500	
F 31 4_527.8	527.8	1.7	600	0.12	1300	6500	0.95	600	0.07	1300	6500	
F 31 4_578.6	578.6	1.6	600	0.11	1300	6500	0.86	600	0.06	1300	6500	
F 31 4_619.9	619.9	1.5	600	0.10	1300	6500	0.81	600	0.06	1300	6500	
F 31 4_685.6	685.6	1.3	600	0.09	1300	6500	0.73	600	0.05	1300	6500	
F 31 4_762.3	762.3	1.2	600	0.08	1300	6500	0.66	600	0.05	1300	6500	
F 31 4_831.6	831.6	1.1	600	0.08	1300	6500	0.60	600	0.04	1300	6500	
F 31 4_938.2	938.2	0.96	600	0.07	1300	6500	0.53	600	0.04	1300	6500	
F 31 4_1042	1042	0.86	600	0.06	1300	6500	0.48	600	0.03	1300	6500	
F 31 4_1208	1208	0.75	600	0.05	1300	6500	0.41	600	0.03	1300	6500	
F 31 4_1368	1368	0.66	600	0.05	1300	6500	0.37	600	0.03	1300	6500	
F 31 4_1539	1539	0.58	600	0.04	1300	6500	0.32	600	0.02	1300	6500	



F 41 — 1100 Nm

	i	n_1 = 2800 min^{-1}					n_1 = 1400 min^{-1}					
		n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	
F 41 2_6.7	6.7	416	460	21	—	3410	208	580	13.3	—	4290	
F 41 2_9.1	9.1	306	515	17.4	—	3750	153	650	11.0	—	4730	
F 41 2_10.8	10.8	260	715	21	—	3310	130	900	12.9	—	4170	
F 41 2_14.6	14.6	191	805	17.0	—	3620	96	1015	10.7	—	4560	
F 41 2_17.1	17.1	164	835	15.1	—	3860	82	1055	9.5	—	4850	
F 41 2_18.9	18.9	148	860	14.0	410	4000	74	1085	8.9	500	5030	
F 41 2_24.1	24.1	116	875	11.2	650	4540	58	1100	7.0	840	5730	
F 41 2_30.1	30.1	93	875	9.0	980	5130	46	1100	5.6	1260	6470	
F 41 2_38.2	38.2	73	875	7.1	1260	5810	37	1100	4.4	1600	7330	
F 41 2_47.9	47.9	58	850	5.5	1680	6600	29.2	1070	3.4	2120	8320	
F 41 3_51.5	51.5	54	880	5.4	3030	6750	27.2	1085	3.3	3500	8500	
F 41 3_60.2	60.2	46	930	4.9	3030	7100	23.2	1100	2.9	3500	8500	
F 41 3_66.5	66.5	42	980	4.6	3030	7280	21.1	1100	2.6	3500	8500	
F 41 3_84.9	84.9	33	1065	4.0	3030	7890	16.5	1100	2.0	3500	8500	
F 41 3_106.0	106.0	26.4	1100	3.3	3040	8500	13.2	1100	1.6	3500	8500	
F 41 3_134.4	134.4	20.8	1100	2.6	3050	8500	10.4	1100	1.3	3500	8500	
F 41 3_168.7	168.7	16.6	1100	2.1	3070	8500	8.3	1100	1.0	3500	8500	
F 41 3_180.7	180.7	15.5	1100	1.9	3070	8500	7.7	1100	0.96	3500	8500	423
F 41 3_198.9	198.9	14.1	1100	1.7	3080	8500	7.0	1100	0.87	3500	8500	
F 41 3_220.1	220.1	12.7	1100	1.6	3090	8500	6.4	1100	0.79	3500	8500	
F 41 3_240.1	240.1	11.7	1100	1.4	3090	8500	5.8	1100	0.72	3500	8500	
F 41 3_266.9	266.9	10.5	1100	1.3	3090	8500	5.2	1100	0.65	3500	8500	
F 41 3_296.6	296.6	9.4	1100	1.2	3090	8500	4.7	1100	0.58	3500	8500	
F 41 3_344.8	344.8	8.1	1100	1.0	3100	8500	4.1	1100	0.50	3500	8500	
F 41 4_433.7	433.7	6.5	1100	0.83	1480	8500	3.2	1100	0.41	1910	8500	
F 41 4_549.8	549.8	5.1	1100	0.65	1520	8500	2.5	1100	0.33	1940	8500	
F 41 4_690.1	690.1	4.1	1100	0.52	1540	8500	2.0	1100	0.26	1970	8500	
F 41 4_739.4	739.4	3.8	1100	0.48	1550	8500	1.9	1100	0.24	1980	8500	
F 41 4_813.8	813.8	3.4	1100	0.44	1560	8500	1.7	1100	0.22	1990	8500	
F 41 4_900.5	900.5	3.1	1100	0.40	1570	8500	1.6	1100	0.20	2000	8500	
F 41 4_982.4	982.4	2.9	1100	0.36	1570	8500	1.4	1100	0.18	2000	8500	
F 41 4_1092	1092	2.6	1100	0.33	1580	8500	1.3	1100	0.16	2010	8500	
F 41 4_1213	1213	2.3	1100	0.30	1590	8500	1.2	1100	0.15	2020	8500	
F 41 4_1411	1411	2.0	1100	0.25	1600	8500	1.0	1100	0.13	2020	8500	

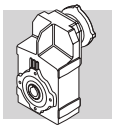
(—) Contact our technical service department advising radial load data (rotation direction, orientation, position)



F 41 — 1100 Nm

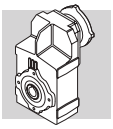
	i	n_1 = 900 min^{-1}					n_1 = 500 min^{-1}					
		n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	
F 41 2_6.7	6.7	134	670	9.9	—	4980	74	700	5.7	1760	6450	
F 41 2_9.1	9.1	99	700	7.6	680	5660	55	700	4.2	2850	7410	
F 41 2_10.8	10.8	84	1025	9.4	480	4900	46	1100	5.6	1950	6480	
F 41 2_14.6	14.6	62	1100	7.5	860	5550	34	1100	4.1	3030	7590	
F 41 2_17.1	17.1	53	1100	6.4	1230	6060	29.2	1100	3.5	3400	8210	
F 41 2_18.9	18.9	48	1100	5.8	1760	6390	26.5	1100	3.2	3500	8500	
F 41 2_24.1	24.1	37	1100	4.5	2210	7260	20.7	1100	2.5	3500	8500	
F 41 2_30.1	30.1	29.9	1100	3.6	2630	8120	16.6	1100	2.0	3500	8500	
F 41 2_38.2	38.2	23.6	1100	2.9	2970	8500	13.1	1100	1.6	3500	8500	
F 41 2_47.9	47.9	18.8	1070	2.2	3490	8500	10.4	1070	1.2	3500	8500	
F 41 3_51.5	51.5	17.5	1100	2.2	3500	8500	9.7	1100	1.2	3500	8500	
F 41 3_60.2	60.2	14.9	1100	1.9	3500	8500	8.3	1100	1.0	3500	8500	
F 41 3_66.5	66.5	13.5	1100	1.7	3500	8500	7.5	1100	0.93	3500	8500	
F 41 3_84.9	84.9	10.6	1100	1.3	3500	8500	5.9	1100	0.73	3500	8500	
F 41 3_106.0	106.0	8.5	1100	1.1	3500	8500	4.7	1100	0.58	3500	8500	
F 41 3_134.4	134.4	6.7	1100	0.83	3500	8500	3.7	1100	0.46	3500	8500	
F 41 3_168.7	168.7	5.3	1100	0.66	3500	8500	3.0	1100	0.37	3500	8500	
F 41 3_180.7	180.7	5.0	1100	0.62	3500	8500	2.8	1100	0.34	3500	8500	423
F 41 3_198.9	198.9	4.5	1100	0.56	3500	8500	2.5	1100	0.31	3500	8500	
F 41 3_220.1	220.1	4.1	1100	0.51	3500	8500	2.3	1100	0.28	3500	8500	
F 41 3_240.1	240.1	3.7	1100	0.46	3500	8500	2.1	1100	0.26	3500	8500	
F 41 3_266.9	266.9	3.4	1100	0.42	3500	8500	1.9	1100	0.23	3500	8500	
F 41 3_296.6	296.6	3.0	1100	0.38	3500	8500	1.7	1100	0.21	3500	8500	
F 41 3_344.8	344.8	2.6	1100	0.32	3500	8500	1.5	1100	0.18	3500	8500	
F 41 4_433.7	433.7	2.1	1100	0.27	2200	8500	1.2	1100	0.15	2200	8500	
F 41 4_549.8	549.8	1.6	1100	0.21	2200	8500	0.91	1100	0.12	2200	8500	
F 41 4_690.1	690.1	1.3	1100	0.17	2200	8500	0.72	1100	0.09	2200	8500	
F 41 4_739.4	739.4	1.2	1100	0.16	2200	8500	0.68	1100	0.09	2200	8500	
F 41 4_813.8	813.8	1.1	1100	0.14	2200	8500	0.61	1100	0.08	2200	8500	
F 41 4_900.5	900.5	1.0	1100	0.13	2200	8500	0.56	1100	0.07	2200	8500	
F 41 4_982.4	982.4	0.92	1100	0.12	2200	8500	0.51	1100	0.07	2200	8500	
F 41 4_1092	1092	0.82	1100	0.11	2200	8500	0.46	1100	0.06	2200	8500	
F 41 4_1213	1213	0.74	1100	0.09	2200	8500	0.41	1100	0.05	2200	8500	
F 41 4_1411	1411	0.64	1100	0.08	2200	8500	0.35	1100	0.05	2200	8500	

(—) Contact our technical service department advising radial load data (rotation direction, orientation, position)



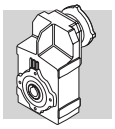
F 51 — 1800 Nm

	i	n_1 = 2800 min^{-1}					n_1 = 1400 min^{-1}					
		n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	
F 51 2_7.2	7.2	389	775	33	990	4170	195	975	21	1440	5260	
F 51 2_9.1	9.1	309	875	30	890	4400	155	1100	18.8	1320	5550	
F 51 2_11.1	11.1	252	1055	29	1460	4530	126	1330	18.5	2010	5700	
F 51 2_14.0	14.0	200	1125	25	1580	4920	100	1420	15.7	2150	6200	
F 51 2_18.8	18.8	149	1225	20	1660	5480	74	1545	12.7	2240	6900	
F 51 2_23.8	23.8	118	1310	17.0	1710	5960	59	1650	10.7	2290	7520	
F 51 2_30.0	30.0	93	1350	13.9	1760	6610	47	1700	8.7	2330	8340	
F 51 2_37.1	37.1	75	1350	11.2	1910	7350	38	1700	7.1	2410	9260	
F 51 3_48.9	48.9	57	1505	9.7	2600	7800	28.6	1800	5.8	3310	10100	
F 51 3_65.8	65.8	43	1650	7.9	2610	8640	21.3	1800	4.3	3380	11600	
F 51 3_83.2	83.2	34	1770	6.7	2630	9380	16.8	1800	3.4	3440	12000	
F 51 3_105.1	105.1	26.6	1800	5.4	2650	10400	13.3	1800	2.7	3460	12000	
F 51 3_129.9	129.9	21.6	1800	4.4	2670	11600	10.8	1800	2.2	3490	12000	
F 51 3_165.6	165.6	16.9	1800	3.4	2700	12000	8.5	1800	1.7	3500	12000	
F 51 3_202.4	202.4	13.8	1800	2.8	2710	12000	6.9	1800	1.4	3500	12000	
F 51 3_216.9	216.9	12.9	1800	2.6	2710	12000	6.5	1800	1.3	3500	12000	427
F 51 3_239.8	239.8	11.7	1800	2.4	2730	12000	5.8	1800	1.2	3500	12000	
F 51 3_262.1	262.1	10.7	1800	2.2	2730	12000	5.3	1800	1.1	3500	12000	
F 51 3_285.9	285.9	9.8	1800	2.0	2730	12000	4.9	1800	0.99	3500	12000	
F 51 3_317.3	317.3	8.8	1800	1.8	2740	12000	4.4	1800	0.89	3500	12000	
F 51 3_352.5	352.5	7.9	1800	1.6	2740	12000	4.0	1800	0.80	3500	12000	
F 51 4_429.1	429.1	6.5	1800	1.4	1930	12000	3.3	1800	0.68	2200	12000	
F 51 4_530.5	530.5	5.3	1800	1.1	1970	12000	2.6	1800	0.55	2200	12000	
F 51 4_676.3	676.3	4.1	1800	0.87	2020	12000	2.1	1800	0.43	2200	12000	
F 51 4_826.4	826.4	3.4	1800	0.71	2040	12000	1.7	1800	0.35	2200	12000	
F 51 4_885.5	885.5	3.2	1800	0.66	2050	12000	1.6	1800	0.33	2200	12000	
F 51 4_979.4	979.4	2.9	1800	0.60	2060	12000	1.4	1800	0.30	2200	12000	
F 51 4_1070	1070	2.6	1800	0.55	2070	12000	1.3	1800	0.27	2200	12000	
F 51 4_1168	1168	2.4	1800	0.50	2080	12000	1.2	1800	0.25	2200	12000	
F 51 4_1296	1296	2.2	1800	0.45	2090	12000	1.1	1800	0.23	2200	12000	
F 51 4_1439	1439	1.9	1800	0.41	2100	12000	1.0	1800	0.20	2200	12000	



F 51 — 1800 Nm

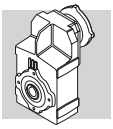
	i	n_1 = 900 min^{-1}					n_1 = 500 min^{-1}					
		n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	
F 51 2_7.2	7.2	125	1100	15.2	1940	6170	70	1100	8.4	3190	8140	
F 51 2_9.1	9.1	99	1100	12.1	2450	6900	55	1100	6.7	3440	9030	
F 51 2_11.1	11.1	81	1520	13.6	2450	6660	45	1700	8.4	3190	8480	
F 51 2_14.0	14.0	64	1620	11.5	2550	7250	36	1700	6.7	3440	9500	
F 51 2_18.8	18.8	48	1700	9.0	2690	8230	26.6	1700	5.0	3500	10900	
F 51 2_23.8	23.8	38	1700	7.1	2870	9250	21.0	1700	3.9	3500	12000	
F 51 2_30.0	30.0	30	1700	5.6	2960	10300	16.6	1700	3.1	3500	12000	
F 51 2_37.1	37.1	24.2	1700	4.5	3040	11400	13.5	1700	2.5	3500	12000	
F 51 3_48.9	48.9	18.4	1800	3.7	3500	12000	10.2	1800	2.1	3500	12000	
F 51 3_65.8	65.8	13.7	1800	2.8	3500	12000	7.6	1800	1.5	3500	12000	
F 51 3_83.2	83.2	10.8	1800	2.2	3500	12000	6.0	1800	1.2	3500	12000	
F 51 3_105.1	105.1	8.6	1800	1.7	3500	12000	4.8	1800	0.96	3500	12000	
F 51 3_129.9	129.9	6.9	1800	1.4	3500	12000	3.8	1800	0.78	3500	12000	
F 51 3_165.6	165.6	5.4	1800	1.1	3500	12000	3.0	1800	0.61	3500	12000	
F 51 3_202.4	202.4	4.4	1800	0.90	3500	12000	2.5	1800	0.50	3500	12000	
F 51 3_216.9	216.9	4.2	1800	0.84	3500	12000	2.3	1800	0.47	3500	12000	427
F 51 3_239.8	239.8	3.8	1800	0.76	3500	12000	2.1	1800	0.42	3500	12000	
F 51 3_262.1	262.1	3.4	1800	0.70	3500	12000	1.9	1800	0.39	3500	12000	
F 51 3_285.9	285.9	3.1	1800	0.64	3500	12000	1.7	1800	0.35	3500	12000	
F 51 3_317.3	317.3	2.8	1800	0.57	3500	12000	1.6	1800	0.32	3500	12000	
F 51 3_352.5	352.5	2.6	1800	0.52	3500	12000	1.4	1800	0.29	3500	12000	
F 51 4_429.1	429.1	2.1	1800	0.44	2200	12000	1.2	1800	0.24	2200	12000	
F 51 4_530.5	530.5	1.7	1800	0.36	2200	12000	0.94	1800	0.20	2200	12000	
F 51 4_676.3	676.3	1.3	1800	0.28	2200	12000	0.74	1800	0.15	2200	12000	
F 51 4_826.4	826.4	1.1	1800	0.23	2200	12000	0.61	1800	0.13	2200	12000	
F 51 4_885.5	885.5	1.0	1800	0.21	2200	12000	0.56	1800	0.12	2200	12000	
F 51 4_979.4	979.4	0.92	1800	0.19	2200	12000	0.51	1800	0.11	2200	12000	
F 51 4_1070	1070	0.84	1800	0.18	2200	12000	0.47	1800	0.10	2200	12000	
F 51 4_1168	1168	0.77	1800	0.16	2200	12000	0.43	1800	0.09	2200	12000	
F 51 4_1296	1296	0.69	1800	0.15	2200	12000	0.39	1800	0.08	2200	12000	
F 51 4_1439	1439	0.63	1800	0.13	2200	12000	0.35	1800	0.07	2200	12000	



F 60 — 2900 Nm

	i	n_1 = 2800 min^{-1}					n_1 = 1400 min^{-1}					
		n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	
F 60 3_9.0	9.0	311	920	32	—	13300	156	1160	20	—	16500	
F 60 3_9.7	9.7	289	1000	33	—	13600	144	1250	20	—	16700	
F 60 3_11.8	11.8	237	1030	28	—	14600	119	1300	17.4	—	17800	
F 60 3_12.7	12.7	220	1110	28	—	14700	110	1400	17.4	—	18000	
F 60 3_14.5	14.5	193	1110	24	—	15500	97	1400	15.3	—	19000	
F 60 3_15.7	15.7	178	1200	24	—	15600	89	1500	15.1	—	19200	
F 60 3_19.1	19.1	147	1200	19.9	—	16800	73	1500	12.4	—	20000	
F 60 3_20.7	20.7	135	1300	19.9	—	17000	68	1640	12.5	—	20000	
F 60 3_23.5	23.5	119	1260	17.0	—	17900	60	1590	10.7	—	20000	
F 60 3_25.4	25.4	110	1370	17.1	—	18100	55	1720	10.7	—	20000	
F 60 3_29.6	29.6	95	2750	29	820	15900	47	2900	15.5	2630	20000	
F 60 3_32.1	32.1	87	2800	28	1290	16200	44	2900	14.3	3260	20000	
F 60 3_38.8	38.8	72	2900	24	1260	17500	36	2900	11.8	3480	20000	
F 60 3_42.1	42.1	67	2900	22	1820	17900	33	2900	10.9	3720	20000	
F 60 3_47.8	47.8	59	2900	19.2	1770	19100	29.3	2900	9.6	3730	20000	
F 60 3_51.8	51.8	54	2900	17.7	2290	19500	27.0	2900	8.9	3830	20000	
F 60 3_63.0	63.0	44	2900	14.6	2310	20000	22.2	2900	7.3	3850	20000	
F 60 3_68.3	68.3	41	2900	13.4	2790	20000	20.5	2900	6.7	3940	20000	
F 60 3_77.6	77.6	36	2900	11.8	2620	20000	18.0	2900	5.9	3920	20000	
F 60 3_84.0	84.0	33	2900	10.9	2960	20000	16.7	2900	5.5	4010	20000	
F 60 3_98.2	98.2	28.5	2900	9.3	2910	20000	14.3	2900	4.7	3980	20000	
F 60 3_106.4	106.4	26.3	2900	8.6	3020	20000	13.2	2900	4.3	4070	20000	
F 60 3_120.5	120.5	23.2	2900	7.6	2970	20000	11.6	2900	3.8	4030	20000	
F 60 3_130.5	130.5	21.5	2900	7.0	3060	20000	10.7	2900	3.5	4110	20000	431
F 60 3_150.4	150.4	18.6	2900	6.1	3010	20000	9.3	2900	3.0	4060	20000	
F 60 3_162.9	162.9	17.2	2900	5.6	3090	20000	8.6	2900	2.8	4140	20000	
F 60 3_185.9	185.9	15.1	2900	4.9	3050	20000	7.5	2900	2.5	4100	20000	
F 60 3_201.4	201.4	13.9	2900	4.6	3130	20000	7.0	2900	2.3	4180	20000	
F 60 3_217.6	217.6	12.9	2900	4.2	3070	20000	6.4	2900	2.1	4120	20000	
F 60 3_235.8	235.8	11.9	2900	3.9	3140	20000	5.9	2900	1.9	4190	20000	
F 60 3_259.1	259.1	10.8	2900	3.5	3080	20000	5.4	2900	1.8	4130	20000	
F 60 3_280.7	280.7	10.0	2900	3.3	3150	20000	5.0	2900	1.6	4200	20000	
F 60 4_315.4	315.4	8.9	2900	3.0	3500	20000	4.4	2900	1.5	3500	20000	
F 60 4_341.7	341.7	8.2	2900	2.8	3500	20000	4.1	2900	1.4	3500	20000	
F 60 4_399.3	399.3	7.0	2900	2.4	3500	20000	3.5	2900	1.2	3500	20000	
F 60 4_432.6	432.6	6.5	2900	2.2	3500	20000	3.2	2900	1.1	3500	20000	
F 60 4_489.8	489.8	5.7	2900	1.9	3500	20000	2.9	2900	0.96	3500	20000	
F 60 4_530.7	530.7	5.3	2900	1.8	3500	20000	2.6	2900	0.89	3500	20000	
F 60 4_611.4	611.4	4.6	2900	1.5	3500	20000	2.3	2900	0.77	3500	20000	
F 60 4_662.4	662.4	4.2	2900	1.4	3500	20000	2.1	2900	0.71	3500	20000	
F 60 4_756.0	756.0	3.7	2900	1.2	3500	20000	1.9	2900	0.62	3500	20000	
F 60 4_819.0	819.0	3.4	2900	1.1	3500	20000	1.7	2900	0.57	3500	20000	
F 60 4_885.1	885.1	3.2	2900	1.1	3500	20000	1.6	2900	0.53	3500	20000	
F 60 4_958.9	958.9	2.9	2900	0.98	3500	20000	1.5	2900	0.49	3500	20000	
F 60 4_1054	1054	2.7	2900	0.89	3500	20000	1.3	2900	0.45	3500	20000	
F 60 4_1141	1141	2.5	2900	0.83	3500	20000	1.2	2900	0.41	3500	20000	

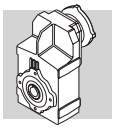
(—) Contact our technical service department advising radial load data (rotation direction, orientation, position)



F 60 — 2900 Nm

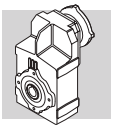
	i	n_1 = 900 min^{-1}					n_1 = 500 min^{-1}					
		n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	
F 60 3_9.0	9.0	100	1340	15.1	—	18800	56	1630	10.2	—	20000	
F 60 3_9.7	9.7	93	1460	15.3	—	19000	52	1780	10.4	—	20000	
F 60 3_11.8	11.8	76	1500	12.9	—	20000	42	1830	8.8	—	20000	
F 60 3_12.7	12.7	71	1620	13.0	—	20000	39	1900	8.4	600	20000	
F 60 3_14.5	14.5	62	1620	11.4	—	20000	34	1900	7.4	490	20000	
F 60 3_15.7	15.7	57	1750	11.3	—	20000	32	1900	6.8	1630	20000	
F 60 3_19.1	19.1	47	1750	9.3	—	20000	26.2	1900	5.6	1660	20000	
F 60 3_20.7	20.7	43	1900	9.3	—	20000	24.2	1900	5.2	2700	20000	
F 60 3_23.5	23.5	38	1840	8.0	—	20000	21.3	1900	4.6	2340	20000	
F 60 3_25.4	25.4	35	1900	7.6	620	20000	19.7	1900	4.2	3330	20000	
F 60 3_29.6	29.6	30	2900	10.0	4220	20000	16.9	2900	5.5	4700	20000	
F 60 3_32.1	32.1	28.0	2900	9.2	4350	20000	15.6	2900	5.1	4700	20000	
F 60 3_38.8	38.8	23.2	2900	7.6	4420	20000	12.9	2900	4.2	4700	20000	
F 60 3_42.1	42.1	21.4	2900	7.0	4530	20000	11.9	2900	3.9	4700	20000	
F 60 3_47.8	47.8	18.8	2900	6.2	4530	20000	10.5	2900	3.4	4700	20000	
F 60 3_51.8	51.8	17.4	2900	5.7	4640	20000	9.7	2900	3.2	4700	20000	
F 60 3_63.0	63.0	14.3	2900	4.7	4660	20000	7.9	2900	2.6	4700	20000	
F 60 3_68.3	68.3	13.2	2900	4.3	4700	20000	7.3	2900	2.4	4700	20000	
F 60 3_77.6	77.6	11.6	2900	3.8	4700	20000	6.4	2900	2.1	4700	20000	
F 60 3_84.0	84.0	10.7	2900	3.5	4700	20000	6.0	2900	1.9	4700	20000	
F 60 3_98.2	98.2	9.2	2900	3.0	4700	20000	5.1	2900	1.7	4700	20000	
F 60 3_106.4	106.4	8.5	2900	2.8	4700	20000	4.7	2900	1.5	4700	20000	
F 60 3_120.5	120.5	7.5	2900	2.4	4700	20000	4.1	2900	1.4	4700	20000	
F 60 3_130.5	130.5	6.9	2900	2.3	4700	20000	3.8	2900	1.3	4700	20000	431
F 60 3_150.4	150.4	6.0	2900	2.0	4700	20000	3.3	2900	1.1	4700	20000	
F 60 3_162.9	162.9	5.5	2900	1.8	4700	20000	3.1	2900	1.0	4700	20000	
F 60 3_185.9	185.9	4.8	2900	1.6	4700	20000	2.7	2900	0.88	4700	20000	
F 60 3_201.4	201.4	4.5	2900	1.5	4700	20000	2.5	2900	0.81	4700	20000	
F 60 3_217.6	217.6	4.1	2900	1.4	4700	20000	2.3	2900	0.75	4700	20000	
F 60 3_235.8	235.8	3.8	2900	1.3	4700	20000	2.1	2900	0.69	4700	20000	
F 60 3_259.1	259.1	3.5	2900	1.1	4700	20000	1.9	2900	0.63	4700	20000	
F 60 3_280.7	280.7	3.2	2900	1.1	4700	20000	1.8	2900	0.58	4700	20000	
F 60 4_315.4	315.4	2.9	2900	0.96	3500	20000	1.6	2900	0.53	3500	20000	
F 60 4_341.7	341.7	2.6	2900	0.89	3500	20000	1.5	2900	0.49	3500	20000	
F 60 4_399.3	399.3	2.3	2900	0.76	3500	20000	1.3	2900	0.42	3500	20000	
F 60 4_432.6	432.6	2.1	2900	0.70	3500	20000	1.2	2900	0.39	3500	20000	
F 60 4_489.8	489.8	1.8	2900	0.62	3500	20000	1.0	2900	0.34	3500	20000	
F 60 4_530.7	530.7	1.7	2900	0.57	3500	20000	0.94	2900	0.32	3500	20000	
F 60 4_611.4	611.4	1.5	2900	0.50	3500	20000	0.82	2900	0.28	3500	20000	
F 60 4_662.4	662.4	1.4	2900	0.46	3500	20000	0.75	2900	0.25	3500	20000	
F 60 4_756.0	756.0	1.2	2900	0.40	3500	20000	0.66	2900	0.22	3500	20000	
F 60 4_819.0	819.0	1.1	2900	0.37	3500	20000	0.61	2900	0.21	3500	20000	
F 60 4_885.1	885.1	1.0	2900	0.34	3500	20000	0.56	2900	0.19	3500	20000	
F 60 4_958.9	958.9	0.94	2900	0.32	3500	20000	0.52	2900	0.18	3500	20000	
F 60 4_1054	1054	0.85	2900	0.29	3500	20000	0.47	2900	0.16	3500	20000	
F 60 4_1141	1141	0.79	2900	0.27	3500	20000	0.44	2900	0.15	3500	20000	

(—) Contact our technical service department advising radial load data (rotation direction, orientation, position)



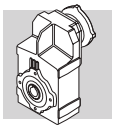
F 70 — 5000 Nm

	i	n_1 = 2800 min^{-1}					n_1 = 1400 min^{-1}					
		n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	
F 70 3_10.0	10.0	280	2600	82	1410	14800	140	3200	51	1750	18200	
F 70 3_10.9	10.9	257	2800	81	1510	14700	128	3450	50	1840	18100	
F 70 3_12.8	12.8	219	2900	72	860	15700	109	3600	44	880	19300	
F 70 3_13.9	13.9	201	3150	72	810	15600	101	3900	44	880	19100	
F 70 3_16.3	16.3	172	3250	63	570	16600	86	4000	39	710	20500	
F 70 3_17.7	17.7	158	3550	63	430	16400	79	4350	39	630	20200	
F 70 3_20.9	20.9	134	3450	52	690	18000	67	4000	30	2090	22700	
F 70 3_22.6	22.6	124	3750	52	640	17800	62	4350	30	2010	22500	
F 70 3_24.6	24.6	114	3550	46	560	19000	57	4000	26	2510	24200	
F 70 3_27.7	27.7	101	3750	43	5070	19600	51	4650	27	6410	24100	
F 70 3_30.0	30.0	93	4050	43	5080	19400	47	5000	26	6420	23900	
F 70 3_35.4	35.4	79	4150	37	5070	20900	40	5000	22	6440	25900	
F 70 3_38.4	38.4	73	4500	37	5060	20700	36	5000	21	6540	26500	
F 70 3_45.2	45.2	62	4600	32	5080	22200	31	5000	17.5	6590	28700	
F 70 3_49.0	49.0	57	4600	30	5170	22700	28.6	5000	16.1	6680	29300	
F 70 3_57.7	57.7	49	5000	27	5090	23800	24.3	5000	13.7	6680	31600	
F 70 3_62.5	62.5	45	5000	25	5170	24300	22.4	5000	12.7	6760	32300	
F 70 3_67.9	67.9	41	5000	23	5110	25500	20.6	5000	11.6	6710	33600	
F 70 3_73.6	73.6	38	5000	21	5190	26100	19.0	5000	10.7	6790	34400	
F 70 3_85.4	85.4	33	5000	18.5	5190	28000	16.4	5000	9.3	6780	35000	
F 70 3_92.5	92.5	30	5000	17.1	5260	28700	15.1	5000	8.5	6860	35000	
F 70 3_101.2	101.2	27.7	5000	15.6	5220	30000	13.8	5000	7.8	6820	35000	
F 70 3_109.6	109.6	25.5	5000	14.4	5290	30700	12.8	5000	7.2	6890	35000	
F 70 3_122.7	122.7	22.8	5000	12.9	5250	32300	11.4	5000	6.4	6850	35000	
F 70 3_133.0	133.0	21.1	5000	11.9	5320	33100	10.5	5000	5.9	6920	35000	
F 70 3_153.8	153.8	18.2	5000	10.3	5280	35000	9.1	5000	5.1	6880	35000	435
F 70 3_166.7	166.7	16.8	5000	9.5	5350	35000	8.4	5000	4.7	6950	35000	
F 70 3_180.9	180.9	15.5	5000	8.7	5310	35000	7.7	5000	4.4	6910	35000	
F 70 3_196.0	196.0	14.3	5000	8.1	5370	35000	7.1	5000	4.0	6970	35000	
F 70 4_216.5	216.5	12.9	5000	7.5	2130	35000	6.5	5000	3.7	2860	35000	
F 70 4_234.6	234.6	11.9	5000	6.9	2130	35000	6.0	5000	3.5	2860	35000	
F 70 4_280.9	280.9	10.0	5000	5.8	2200	35000	5.0	5000	2.9	2940	35000	
F 70 4_304.3	304.3	9.2	5000	5.3	2200	35000	4.6	5000	2.7	2940	35000	
F 70 4_372.5	372.5	7.5	5000	4.4	2260	35000	3.8	5000	2.2	3000	35000	
F 70 4_403.5	403.5	6.9	5000	4.0	2260	35000	3.5	5000	2.0	3000	35000	
F 70 4_471.2	471.2	5.9	5000	3.4	2300	35000	3.0	5000	1.7	3040	35000	
F 70 4_510.4	510.4	5.5	5000	3.2	2300	35000	2.7	5000	1.6	3040	35000	
F 70 4_606.8	606.8	4.6	5000	2.7	2340	35000	2.3	5000	1.3	3070	35000	
F 70 4_657.4	657.4	4.3	5000	2.5	2340	35000	2.1	5000	1.2	3070	35000	
F 70 4_759.0	759.0	3.7	5000	2.1	2360	35000	1.8	5000	1.1	3090	35000	
F 70 4_822.2	822.2	3.4	5000	2.0	2360	35000	1.7	5000	1.0	3090	35000	
F 70 4_899.4	899.4	3.1	5000	1.8	2370	35000	1.6	5000	0.90	3110	35000	
F 70 4_974.4	974.4	2.9	5000	1.7	2370	35000	1.4	5000	0.83	3110	35000	
F 70 4_1091	1091	2.6	5000	1.5	2390	35000	1.3	5000	0.74	3120	35000	
F 70 4_1182	1182	2.4	5000	1.4	2390	35000	1.2	5000	0.69	3120	35000	
F 70 4_1368	1368	2.0	5000	1.2	2400	35000	1.0	5000	0.59	3130	35000	
F 70 4_1481	1481	1.9	5000	1.1	2400	35000	0.95	5000	0.55	3130	35000	
F 70 4_1585	1585	1.8	5000	1.0	2410	35000	0.88	5000	0.51	3140	35000	
F 70 4_1717	1717	1.6	5000	0.95	2410	35000	0.82	5000	0.47	3140	35000	
F 70 4_2019	2019	1.4	5000	0.80	2420	35000	0.69	5000	0.40	3150	35000	
F 70 4_2188	2188	1.3	5000	0.74	2420	35000	0.64	5000	0.37	3150	35000	



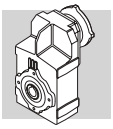
F 70 — 5000 Nm

	i	n_1 = 900 min^{-1}					n_1 = 500 min^{-1}					
		n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	
F 70 3_10.0	10.0	90	3200	33	4870	21700	50	3200	18.1	7000	27000	435
F 70 3_10.9	10.9	83	3450	32	4970	21700	46	3450	17.9	7000	27200	
F 70 3_12.8	12.8	70	3850	31	2540	22500	39	3600	15.9	7000	28300	
F 70 3_13.9	13.9	65	4200	31	2380	22400	36	3900	15.8	7000	28300	
F 70 3_16.3	16.3	55	4000	25	3830	24500	31	4000	13.9	7000	30700	
F 70 3_17.7	17.7	51	4350	25	3750	24400	28.2	4350	13.9	7000	30800	
F 70 3_20.9	20.9	43	4000	19.5	5210	27000	23.9	4000	10.8	7000	33700	
F 70 3_22.6	22.6	40	4350	19.6	5130	26900	22.1	4350	10.9	7000	33800	
F 70 3_24.6	24.6	37	4000	16.5	5630	28700	20.3	4000	9.2	7000	35000	
F 70 3_27.7	27.7	32	5000	18.4	7000	28100	18.1	4650	9.5	7000	35000	
F 70 3_30.0	30.0	30	5000	16.9	7000	28800	16.7	5000	9.4	7000	35000	
F 70 3_35.4	35.4	25.4	5000	14.4	7000	31000	14.1	5000	8.0	7000	35000	
F 70 3_38.4	38.4	23.4	5000	13.2	7000	31700	13.0	5000	7.4	7000	35000	
F 70 3_45.2	45.2	19.9	5000	11.2	7000	34100	11.1	5000	6.2	7000	35000	
F 70 3_49.0	49.0	18.4	5000	10.4	7000	34900	10.2	5000	5.8	7000	35000	
F 70 3_57.7	57.7	15.6	5000	8.8	7000	35000	8.7	5000	4.9	7000	35000	
F 70 3_62.5	62.5	14.4	5000	8.1	7000	35000	8.0	5000	4.5	7000	35000	
F 70 3_67.9	67.9	13.3	5000	7.5	7000	35000	7.4	5000	4.2	7000	35000	
F 70 3_73.6	73.6	12.2	5000	6.9	7000	35000	6.8	5000	3.8	7000	35000	
F 70 3_85.4	85.4	10.5	5000	6.0	7000	35000	5.9	5000	3.3	7000	35000	
F 70 3_92.5	92.5	9.7	5000	5.5	7000	35000	5.4	5000	3.1	7000	35000	
F 70 3_101.2	101.2	8.9	5000	5.0	7000	35000	4.9	5000	2.8	7000	35000	
F 70 3_109.6	109.6	8.2	5000	4.6	7000	35000	4.6	5000	2.6	7000	35000	
F 70 3_122.7	122.7	7.3	5000	4.1	7000	35000	4.1	5000	2.3	7000	35000	
F 70 3_133.0	133.0	6.8	5000	3.8	7000	35000	3.8	5000	2.1	7000	35000	
F 70 3_153.8	153.8	5.9	5000	3.3	7000	35000	3.3	5000	1.8	7000	35000	
F 70 3_166.7	166.7	5.4	5000	3.0	7000	35000	3.0	5000	1.7	7000	35000	
F 70 3_180.9	180.9	5.0	5000	2.8	7000	35000	2.8	5000	1.6	7000	35000	
F 70 3_196.0	196.0	4.6	5000	2.6	7000	35000	2.6	5000	1.4	7000	35000	
F 70 4_216.5	216.5	4.2	5000	2.4	3430	35000	2.3	5000	1.3	3500	35000	
F 70 4_234.6	234.6	3.8	5000	2.2	3430	35000	2.1	5000	1.2	3500	35000	
F 70 4_280.9	280.9	3.2	5000	1.9	3500	35000	1.8	5000	1.0	3500	35000	
F 70 4_304.3	304.3	3.0	5000	1.7	3500	35000	1.6	5000	0.95	3500	35000	
F 70 4_372.5	372.5	2.4	5000	1.4	3500	35000	1.3	5000	0.78	3500	35000	
F 70 4_403.5	403.5	2.2	5000	1.3	3500	35000	1.2	5000	0.72	3500	35000	
F 70 4_471.2	471.2	1.9	5000	1.1	3500	35000	1.1	5000	0.62	3500	35000	
F 70 4_510.4	510.4	1.8	5000	1.0	3500	35000	0.98	5000	0.57	3500	35000	
F 70 4_606.8	606.8	1.5	5000	0.86	3500	35000	0.82	5000	0.48	3500	35000	
F 70 4_657.4	657.4	1.4	5000	0.79	3500	35000	0.76	5000	0.44	3500	35000	
F 70 4_759.0	759.0	1.2	5000	0.69	3500	35000	0.66	5000	0.38	3500	35000	
F 70 4_822.2	822.2	1.1	5000	0.63	3500	35000	0.61	5000	0.35	3500	35000	
F 70 4_899.4	899.4	1.0	5000	0.58	3500	35000	0.56	5000	0.32	3500	35000	
F 70 4_974.4	974.4	0.92	5000	0.54	3500	35000	0.51	5000	0.30	3500	35000	
F 70 4_1091	1091	0.82	5000	0.48	3500	35000	0.46	5000	0.27	3500	35000	
F 70 4_1182	1182	0.76	5000	0.44	3500	35000	0.42	5000	0.25	3500	35000	
F 70 4_1368	1368	0.66	5000	0.38	3500	35000	0.37	5000	0.21	3500	35000	
F 70 4_1481	1481	0.61	5000	0.35	3500	35000	0.34	5000	0.20	3500	35000	
F 70 4_1585	1585	0.57	5000	0.33	3500	35000	0.32	5000	0.18	3500	35000	
F 70 4_1717	1717	0.52	5000	0.30	3500	35000	0.29	5000	0.17	3500	35000	
F 70 4_2019	2019	0.45	5000	0.26	3500	35000	0.25	5000	0.14	3500	35000	
F 70 4_2188	2188	0.41	5000	0.24	3500	35000	0.23	5000	0.13	3500	35000	



F 80 — 8000 Nm

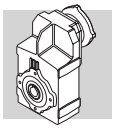
	i	n_1 = 2800 min^{-1}					n_1 = 1400 min^{-1}					
		n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	
F 80 3_10.3	10.3	272	3250	100	610	17200	136	4100	63	220	21800	
F 80 3_11.2	11.2	250	3520	99	620	17800	125	4440	63	230	21700	
F 80 3_12.9	12.9	217	3560	87	670	18900	109	4480	55	350	23100	
F 80 3_14.0	14.0	200	3850	87	700	18800	100	4860	55	310	23000	
F 80 3_16.2	16.2	173	3760	73	760	20300	86	4740	46	430	24800	
F 80 3_17.6	17.6	159	4000	72	730	20300	80	5140	46	410	24700	
F 80 3_20.3	20.3	138	4060	63	780	21700	69	5120	40	440	26500	
F 80 3_22.0	22.0	127	4400	63	780	21600	64	5540	40	470	26400	
F 80 3_25.2	25.2	111	4230	53	700	23300	56	5330	33	360	28500	
F 80 3_28.8	28.8	97	6550	72	4590	20500	49	8000	44	5890	25400	
F 80 3_31.3	31.3	89	7100	72	4590	20000	45	8000	40	6040	26000	
F 80 3_36.0	36.0	78	7250	64	4560	21500	39	8000	35	6110	28100	
F 80 3_39.0	39.0	72	6700	54	4890	23000	36	8000	32	6240	28800	
F 80 3_45.3	45.3	62	7900	55	4440	22700	31	8000	28	6240	31100	
F 80 3_49.1	49.1	57	8000	52	4750	23200	28.5	8000	26	6360	31900	
F 80 3_56.7	56.7	49	8000	45	4780	25200	24.7	8000	22	6390	34300	
F 80 3_61.5	61.5	46	8000	41	4890	25800	22.8	8000	21	6500	35100	
F 80 3_70.4	70.4	40	8000	36	4850	27800	19.9	8000	18.0	6460	37500	
F 80 3_76.3	76.3	37	8000	33	4950	28500	18.3	8000	16.6	6560	38400	
F 80 3_85.2	85.2	33	8000	30	4940	30300	16.4	8000	14.8	6550	40500	
F 80 3_92.3	92.3	30	8000	27	5040	31000	15.2	8000	13.7	6640	41500	
F 80 3_105.0	105.0	26.7	8000	24	5000	33200	13.3	8000	12.0	6610	44000	
F 80 3_113.8	113.8	24.6	8000	22	5090	34000	12.3	8000	11.1	6700	45000	
F 80 3_122.5	122.5	22.9	8000	21	5020	35400	11.4	8000	10.3	6630	45000	
F 80 3_132.7	132.7	21.1	8000	19.1	5110	36200	10.6	8000	9.5	6720	45000	
F 80 3_147.9	147.9	18.9	8000	17.1	5060	38200	9.5	8000	8.6	6660	45000	438
F 80 3_160.2	160.2	17.5	8000	15.8	5140	39100	8.7	8000	7.9	6750	45000	
F 80 3_184.6	184.6	15.2	8000	13.7	5090	41800	7.6	8000	6.9	6700	45000	
F 80 3_200.0	200.0	14.0	8000	12.7	5180	42800	7.0	8000	6.3	6780	45000	
F 80 4_218.5	218.5	12.8	8000	11.9	1020	45000	6.4	8000	5.9	2400	45000	
F 80 4_273.9	273.9	10.2	8000	9.5	1470	45000	5.1	8000	4.7	2680	45000	
F 80 4_296.7	296.7	9.4	8000	8.8	1470	45000	4.7	8000	4.4	2680	45000	
F 80 4_353.7	353.7	7.9	8000	7.3	1850	45000	4.0	8000	3.7	2770	45000	
F 80 4_383.2	383.2	7.3	8000	6.8	1850	45000	3.7	8000	3.4	2770	45000	
F 80 4_451.5	451.5	6.2	8000	5.8	2040	45000	3.1	8000	2.9	2820	45000	
F 80 4_489.1	489.1	5.7	8000	5.3	2040	45000	2.9	8000	2.7	2820	45000	
F 80 4_563.9	563.9	5.0	8000	4.6	2130	45000	2.5	8000	2.3	2860	45000	
F 80 4_610.9	610.9	4.6	8000	4.3	2130	45000	2.3	8000	2.1	2860	45000	
F 80 4_714.9	714.9	3.9	8000	3.6	2160	45000	2.0	8000	1.8	2890	45000	
F 80 4_774.4	774.4	3.6	8000	3.4	2160	45000	1.8	8000	1.7	2890	45000	
F 80 4_897.3	897.3	3.1	8000	2.9	2200	45000	1.6	8000	1.4	2930	45000	
F 80 4_972.0	972.0	2.9	8000	2.7	2200	45000	1.4	8000	1.3	2930	45000	
F 80 4_1058	1058	2.6	8000	2.5	2210	45000	1.3	8000	1.2	2950	45000	
F 80 4_1146	1146	2.4	8000	2.3	2210	45000	1.2	8000	1.1	2950	45000	
F 80 4_1277	1277	2.2	8000	2.0	2230	45000	1.1	8000	1.0	2960	45000	
F 80 4_1384	1384	2.0	8000	1.9	2230	45000	1.0	8000	0.94	2960	45000	
F 80 4_1578	1578	1.8	8000	1.6	2240	45000	0.89	8000	0.82	2970	45000	
F 80 4_1709	1709	1.6	8000	1.5	2240	45000	0.82	8000	0.76	2970	45000	
F 80 4_1834	1834	1.5	8000	1.4	2250	45000	0.76	8000	0.71	2980	45000	
F 80 4_1987	1987	1.4	8000	1.3	2250	45000	0.70	8000	0.65	2980	45000	



F 80 — 8000 Nm

	i	n_1 = 900 min^{-1}					n_1 = 500 min^{-1}					
		n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	
F 80 3_10.3	10.3	87	4740	47	—	24700	49	5770	32	—	29300	
F 80 3_11.2	11.2	80	5140	47	—	24600	45	6250	32	—	29200	
F 80 3_12.9	12.9	70	5200	41	—	26200	39	6320	28	—	31100	
F 80 3_14.0	14.0	64	5620	41	—	26100	36	6800	27	—	31000	
F 80 3_16.2	16.2	56	5490	34	—	28200	31	6250	22	1540	34200	
F 80 3_17.6	17.6	51	5960	34	—	28100	28.4	6800	22	1410	30000	
F 80 3_20.3	20.3	44	5930	30	—	30100	24.6	6250	17.4	3710	37300	
F 80 3_22.0	22.0	41	6420	30	—	30000	22.7	6800	17.5	3590	37200	
F 80 3_25.2	25.2	36	6175	25	—	32400	19.8	6250	14.0	4660	40500	
F 80 3_28.8	28.8	31	8000	28	7000	31000	17.4	8000	15.7	7000	39600	
F 80 3_31.3	31.3	28.8	8000	26	7000	31700	16.0	8000	14.4	7000	40600	
F 80 3_36.0	36.0	25.0	8000	23	7000	34100	13.9	8000	12.6	7000	43300	
F 80 3_39.0	39.0	23.1	8000	21	7000	34900	12.8	8000	11.6	7000	44300	
F 80 3_45.3	45.3	19.9	8000	18.0	7000	37500	11.0	8000	10.0	7000	45000	
F 80 3_49.1	49.1	18.3	8000	16.6	7000	38400	10.2	8000	9.2	7000	45000	
F 80 3_56.7	56.7	15.9	8000	14.3	7000	41100	8.8	8000	8.0	7000	45000	
F 80 3_61.5	61.5	14.6	8000	13.2	7000	42000	8.1	8000	7.3	7000	45000	
F 80 3_70.4	70.4	12.8	8000	11.6	7000	44700	7.1	8000	6.4	7000	45000	
F 80 3_76.3	76.3	11.8	8000	10.7	7000	45000	6.6	8000	5.9	7000	45000	
F 80 3_85.2	85.2	10.6	8000	9.5	7000	45000	5.9	8000	5.3	7000	45000	
F 80 3_92.3	92.3	9.8	8000	8.8	7000	45000	5.4	8000	4.9	7000	45000	
F 80 3_105.0	105.0	8.6	8000	7.7	7000	45000	4.8	8000	4.3	7000	45000	
F 80 3_113.8	113.8	7.9	8000	7.1	7000	45000	4.4	8000	4.0	7000	45000	
F 80 3_122.5	122.5	7.3	8000	6.6	7000	45000	4.1	8000	3.7	7000	45000	
F 80 3_132.7	132.7	6.8	8000	6.1	7000	45000	3.8	8000	3.4	7000	45000	
F 80 3_147.9	147.9	6.1	8000	5.5	7000	45000	3.4	8000	3.1	7000	45000	438
F 80 3_160.2	160.2	5.6	8000	5.1	7000	45000	3.1	8000	2.8	7000	45000	
F 80 3_184.6	184.6	4.9	8000	4.4	7000	45000	2.7	8000	2.4	7000	45000	
F 80 3_200.0	200.0	4.5	8000	4.1	7000	45000	2.5	8000	2.3	7000	45000	
F 80 4_218.5	218.5	4.1	8000	3.8	3130	45000	2.3	8000	2.1	3500	45000	
F 80 4_273.9	273.9	3.3	8000	3.0	3240	45000	1.8	8000	1.7	3500	45000	
F 80 4_296.7	296.7	3.0	8000	2.8	3240	45000	1.7	8000	1.6	3500	45000	
F 80 4_353.7	353.7	2.5	8000	2.4	3330	45000	1.4	8000	1.3	3500	45000	
F 80 4_383.2	383.2	2.3	8000	2.2	3330	45000	1.3	8000	1.2	3500	45000	
F 80 4_451.5	451.5	2.0	8000	1.8	3380	45000	1.1	8000	1.0	3500	45000	
F 80 4_489.1	489.1	1.8	8000	1.7	3380	45000	1.0	8000	0.95	3500	45000	
F 80 4_563.9	563.9	1.6	8000	1.5	3420	45000	0.89	8000	0.82	3500	45000	
F 80 4_610.9	610.9	1.5	8000	1.4	3420	45000	0.82	8000	0.76	3500	45000	
F 80 4_714.9	714.9	1.3	8000	1.2	3460	45000	0.70	8000	0.65	3500	45000	
F 80 4_774.4	774.4	1.2	8000	1.1	3460	45000	0.65	8000	0.60	3500	45000	
F 80 4_897.3	897.3	1.0	8000	0.93	3490	45000	0.56	8000	0.52	3500	45000	
F 80 4_972.0	972.0	0.93	8000	0.86	3490	45000	0.51	8000	0.48	3500	45000	
F 80 4_1058	1058	0.85	8000	0.79	3500	45000	0.47	8000	0.44	3500	45000	
F 80 4_1146	1146	0.79	8000	0.73	3500	45000	0.44	8000	0.40	3500	45000	
F 80 4_1277	1277	0.70	8000	0.65	3500	45000	0.39	8000	0.36	3500	45000	
F 80 4_1384	1384	0.65	8000	0.60	3500	45000	0.36	8000	0.34	3500	45000	
F 80 4_1578	1578	0.57	8000	0.53	3500	45000	0.32	8000	0.29	3500	45000	
F 80 4_1709	1709	0.53	8000	0.49	3500	45000	0.29	8000	0.27	3500	45000	
F 80 4_1834	1834	0.49	8000	0.46	3500	45000	0.27	8000	0.25	3500	45000	
F 80 4_1987	1987	0.45	8000	0.42	3500	45000	0.25	8000	0.23	3500	45000	

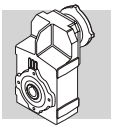
(—) Contact our technical service department advising radial load data (rotation direction, orientation, position)



F 90 — 14000 Nm

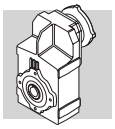
	i	n_1 = 2800 min^{-1}					n_1 = 1400 min^{-1}					
		n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	
F 90 3_10.3	10.3	272	6500	200	5480	23800	136	8000	123	8000	29300	
F 90 3_11.1	11.1	252	7150	204	5280	23300	126	8800	125	7770	28700	
F 90 3_13.4	13.4	209	7550	178	4880	25000	104	9300	110	7280	30700	
F 90 3_14.5	14.5	193	8100	177	5000	24700	97	10000	109	7400	30300	
F 90 3_16.5	16.5	170	8400	161	4540	26000	85	10300	99	6960	32000	
F 90 3_17.9	17.9	156	8950	158	4560	25700	78	11000	97	7180	31700	
F 90 3_20.6	20.6	136	9200	141	3980	27400	68	11300	87	6260	33700	
F 90 3_22.3	22.3	126	9750	138	4280	27100	63	12000	85	6590	33400	
F 90 3_25.4	25.4	110	10050	125	3620	28700	55	12000	75	6310	36000	
F 90 3_28.6	28.6	98	9750	108	9800	30900	49	12000	66	12400	38000	
F 90 3_31.0	31.0	90	10550	108	9800	30300	45	13000	66	12400	37300	
F 90 3_37.4	37.4	75	10950	93	9820	32800	37	13500	57	12400	40400	
F 90 3_40.5	40.5	69	11900	93	9820	32100	35	14000	55	12500	40600	
F 90 3_46.1	46.1	61	12050	83	9840	34300	30	14000	48	12600	43600	
F 90 3_49.9	49.9	56	13050	83	9840	33500	28.1	14000	44	12700	44700	
F 90 3_57.3	57.3	49	13050	72	9810	36300	24.4	14000	39	12700	48100	
F 90 3_62.1	62.1	45	14000	71	9830	35600	22.5	14000	36	12800	49300	
F 90 3_70.8	70.8	40	14000	63	9830	38500	19.8	14000	31	12800	52700	
F 90 3_76.7	76.7	37	14000	58	9960	39500	18.3	14000	29	13000	54000	
F 90 3_88.4	88.4	32	14000	50	9930	42800	15.8	14000	25	12900	55000	
F 90 3_95.8	95.8	29.2	14000	46	10100	43800	14.6	14000	23	13100	55000	
F 90 3_103.3	103.3	27.1	14000	43	9960	45900	13.6	14000	21	13000	55000	
F 90 3_111.9	111.9	25.0	14000	40	10100	47100	12.5	14000	19.8	13100	55000	
F 90 3_126.8	126.8	22.1	14000	35	10000	50300	11.0	14000	17.5	13000	55000	
F 90 3_137.3	137.3	20.4	14000	32	10100	51500	10.2	14000	16.1	13100	55000	
F 90 3_150.3	150.3	18.6	14000	29	10100	54000	9.3	14000	14.7	13100	55000	441
F 90 3_162.8	162.8	17.2	14000	27	10200	55000	8.6	14000	13.6	13200	55000	
F 90 3_179.2	179.2	15.6	14000	25	10200	55000	7.8	14000	12.4	13100	55000	
F 90 3_194.2	194.2	14.4	14000	23	10200	55000	7.2	14000	11.4	13200	55000	
F 90 4_213.6	213.6	13.1	14000	21	—	55000	6.6	14000	10.6	—	55000	
F 90 4_231.4	231.4	12.1	14000	19.6	—	55000	6.1	14000	9.8	—	55000	
F 90 4_268.7	268.7	10.4	14000	16.9	—	55000	5.2	14000	8.5	420	55000	
F 90 4_291.1	291.1	9.6	14000	15.6	—	55000	4.8	14000	7.8	420	55000	
F 90 4_361.8	361.8	7.7	14000	12.6	—	55000	3.9	14000	6.3	990	55000	
F 90 4_392.0	392.0	7.1	14000	11.6	—	55000	3.6	14000	5.8	990	55000	
F 90 4_457.5	457.5	6.1	14000	9.9	—	55000	3.1	14000	5.0	1390	55000	
F 90 4_495.6	495.6	5.6	14000	9.2	—	55000	2.8	14000	4.6	1390	55000	
F 90 4_577.5	577.5	4.8	14000	7.9	—	55000	2.4	14000	3.9	1600	55000	
F 90 4_625.6	625.6	4.5	14000	7.3	—	55000	2.2	14000	3.6	1600	55000	
F 90 4_714.0	714.0	3.9	14000	6.4	—	55000	2.0	14000	3.2	1800	55000	
F 90 4_773.4	773.4	3.6	14000	5.9	—	55000	1.8	14000	2.9	1800	55000	
F 90 4_910.2	910.2	3.1	14000	5.0	—	55000	1.5	14000	2.5	2020	55000	
F 90 4_986.0	986.0	2.8	14000	4.6	—	55000	1.4	14000	2.3	2020	55000	
F 90 4_1112	1112	2.5	14000	4.1	—	55000	1.3	14000	2.0	2110	55000	
F 90 4_1205	1205	2.3	14000	3.8	—	55000	1.2	14000	1.9	2110	55000	
F 90 4_1318	1318	2.1	14000	3.4	—	55000	1.1	14000	1.7	2220	55000	
F 90 4_1428	1428	2.0	14000	3.2	—	55000	0.98	14000	1.6	2220	55000	
F 90 4_1571	1571	1.8	14000	2.9	—	55000	0.89	14000	1.4	2260	55000	
F 90 4_1702	1702	1.6	14000	2.7	—	55000	0.82	14000	1.3	2260	55000	
F 90 4_1937	1937	1.4	14000	2.3	—	55000	0.72	14000	1.2	2300	55000	
F 90 4_2099	2099	1.3	14000	2.2	—	55000	0.67	14000	1.1	2300	55000	

(—) Contact our technical service department advising radial load data (rotation direction, orientation, position)



F 90 — 14000 Nm

	i	n_1 = 900 min^{-1}					n_1 = 500 min^{-1}					
		n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	
F 90 3_10.3	10.3	87	9150	90	10000	33400	49	9600	53	15000	41900	
F 90 3_11.1	11.1	81	10050	92	9780	32700	45	10400	53	15000	41600	
F 90 3_13.4	13.4	67	10600	80	9270	35100	37	12500	53	12700	42100	
F 90 3_14.5	14.5	62	11400	80	9390	34600	34	13550	53	12700	41400	
F 90 3_16.5	16.5	55	11750	72	8890	36600	30	12300	42	14600	46400	
F 90 3_17.9	17.9	50	12550	71	9140	36200	27.9	13150	41	14800	46200	
F 90 3_20.6	20.6	44	12200	60	9100	39700	24.3	12200	33	15000	51000	
F 90 3_22.3	22.3	40	13200	60	9120	39000	22.4	13200	33	15000	50700	
F 90 3_25.4	25.4	35	12000	48	10400	43800	19.7	12000	27	15000	55000	
F 90 3_28.6	28.6	31	13700	49	14400	43400	17.5	14000	28	15000	55000	
F 90 3_31.0	31.0	29.0	14000	46	14500	44000	16.1	14000	26	15000	55000	
F 90 3_37.4	37.4	24.1	14000	38	14700	48400	13.4	14000	21	15000	55000	
F 90 3_40.5	40.5	22.2	14000	35	14800	49600	12.3	14000	19.5	15000	55000	
F 90 3_46.1	46.1	19.5	14000	31	14900	53000	10.8	14000	17.2	15000	55000	
F 90 3_49.9	49.9	18.0	14000	29	15000	54200	10.0	14000	15.8	15000	55000	
F 90 3_57.3	57.3	15.7	14000	25	15000	55000	8.7	14000	13.8	15000	55000	
F 90 3_62.1	62.1	14.5	14000	23	15000	55000	8.1	14000	12.7	15000	55000	
F 90 3_70.8	70.8	12.7	14000	20	15000	55000	7.1	14000	11.2	15000	55000	
F 90 3_76.7	76.7	11.7	14000	18.6	15000	55000	6.5	14000	10.3	15000	55000	
F 90 3_88.4	88.4	10.2	14000	16.1	15000	55000	5.7	14000	8.9	15000	55000	
F 90 3_95.8	95.8	9.4	14000	14.9	15000	55000	5.2	14000	8.3	15000	55000	
F 90 3_103.3	103.3	8.7	14000	13.8	15000	55000	4.8	14000	7.7	15000	55000	
F 90 3_111.9	111.9	8.0	14000	12.7	15000	55000	4.5	14000	7.1	15000	55000	
F 90 3_126.8	126.8	7.1	14000	11.2	15000	55000	3.9	14000	6.2	15000	55000	
F 90 3_137.3	137.3	6.6	14000	10.4	15000	55000	3.6	14000	5.8	15000	55000	
F 90 3_150.3	150.3	6.0	14000	9.5	15000	55000	3.3	14000	5.3	15000	55000	
F 90 3_162.8	162.8	5.5	14000	8.7	15000	55000	3.1	14000	4.9	15000	55000	441
F 90 3_179.2	179.2	5.0	14000	7.9	15000	55000	2.8	14000	4.4	15000	55000	
F 90 3_194.2	194.2	4.6	14000	7.3	15000	55000	2.6	14000	4.1	15000	55000	
F 90 4_213.6	213.6	4.2	14000	6.8	810	55000	2.3	14000	3.8	2350	55000	
F 90 4_231.4	231.4	3.9	14000	6.3	810	55000	2.2	14000	3.5	2350	55000	
F 90 4_268.7	268.7	3.3	14000	5.4	1390	55000	1.9	14000	3.0	2920	55000	
F 90 4_291.1	291.1	3.1	14000	5.0	1390	55000	1.7	14000	2.8	2920	55000	
F 90 4_361.8	361.8	2.5	14000	4.0	1960	55000	1.4	14000	2.2	3390	55000	
F 90 4_392.0	392.0	2.3	14000	3.7	1960	55000	1.3	14000	2.1	3390	55000	
F 90 4_457.5	457.5	2.0	14000	3.2	2360	55000	1.1	14000	1.8	3490	55000	
F 90 4_495.6	495.6	1.8	14000	2.9	2360	55000	1.0	14000	1.6	3490	55000	
F 90 4_577.5	577.5	1.6	14000	2.5	2570	55000	0.87	14000	1.4	3500	55000	
F 90 4_625.6	625.6	1.4	14000	2.3	2570	55000	0.80	14000	1.3	3500	55000	
F 90 4_714.0	714.0	1.3	14000	2.0	2770	55000	0.70	14000	1.1	3500	55000	
F 90 4_773.4	773.4	1.2	14000	1.9	2770	55000	0.65	14000	1.0	3500	55000	
F 90 4_910.2	910.2	0.99	14000	1.6	2840	55000	0.55	14000	0.89	3500	55000	
F 90 4_986.0	986.0	0.91	14000	1.5	2840	55000	0.51	14000	0.82	3500	55000	
F 90 4_1112	1112	0.81	14000	1.3	2860	55000	0.45	14000	0.73	3500	55000	
F 90 4_1205	1205	0.75	14000	1.2	2860	55000	0.41	14000	0.67	3500	55000	
F 90 4_1318	1318	0.68	14000	1.1	2890	55000	0.38	14000	0.62	3500	55000	
F 90 4_1428	1428	0.63	14000	1.0	2890	55000	0.35	14000	0.57	3500	55000	
F 90 4_1571	1571	0.57	14000	0.93	2900	55000	0.32	14000	0.52	3500	55000	
F 90 4_1702	1702	0.53	14000	0.86	2900	55000	0.29	14000	0.48	3500	55000	
F 90 4_1937	1937	0.46	14000	0.75	2910	55000	0.26	14000	0.42	3500	55000	
F 90 4_2099	2099	0.43	14000	0.70	2910	55000	0.24	14000	0.39	3500	55000	



61 MOTOR AVAILABILITY

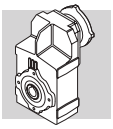
Please be aware that motor-gearbox combinations resulting from the following charts are purely based on geometrical compatibility.

When selecting a gearmotor, refer to procedure specified at paragraph 12 and observe particularly the condition $S \geq f_S$.

(D 56)

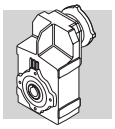
		IEC_ BN BE BX (IM B5)																									
		BN		BN	BE	BX	BN	BE	BX	BN	BE	BX	BN	BE	BX	BN	BE	BX	BN	BE	BX	BN	BE	BX	BN	IEC	IEC
P_{n1}(#) [kW]	2p	0.37	0.75	1.5	1.1	—	2.2	2.2	—	4	3	—	4	4	—	9.2	9.2	—	18.5	18.5	—	22	—	—	30	45	55
	4p	0.25	0.55	1.1	0.75	0.75	1.85	1.5	1.5	3	3	3	4	4	4	9.2	9.2	7.5	15	15	15	22	22	22	30	47	55
	6p	0.12	0.37	0.75	—	—	1.1	0.75	—	1.85	1.5	—	2.2	2.2	—	5.5	4	—	11	7.5	—	15	—	—	18.5	30	37
		P63	P71	P80			P90			P100			P112			P132			P160			P180			P200	P225	P250
F 10 2	i =	7.4_127.1		7.4_91.5						7.4_91.5																	
F 20 2		8.7_132.2 ⛀ (14.8_18.1)		6.4_114.3						6.4_114.3																	
F 20 3		156.3_545.3		156.3_545.3						156.3_545.3																	
F 25 2		9.4_44.4 ⛀ (10.6_13.0)		6.9_44.4						6.9_44.4																	
F 25 3		50.8_333.1		45.6_288.1						45.6_288.1																	
F 25 4		393.9_1374		393.9_1374						393.9_1374																	
F 31 2		18.5_44.6		6.9_44.6						6.9_44.6						6.9_37.7											
F 31 3		69.1_374.4		47.5_374.4						47.5_374.4						47.5_140.7											
F 31 4		418.9_1539		418.9_1539						418.9_1539																	
F 41 2		24.1_47.9		6.7_47.9						6.7_47.9						6.7_47.9											
F 41 3		84.9_344.8		51.5_344.8						51.5_344.8						51.5_168.7											
F 41 4		433.7_1411		433.7_1411						433.7_1411																	
F 51 2		30.0_37.1		7.2_37.1						7.2_37.1						7.2_37.1		7.2_37.1		7.2_37.1							
F 51 3		105.1_352.5		48.9_352.5						48.9_352.5						48.9_202.4		48.9_202.4		48.9_202.4							
F 51 4		429.1_1439		429.1_1439						429.1_1439																	
F 60 3		98.2_280.7		11.8_280.7 ⛀ (29.6_32.1)						11.8_280.7 ⛀ (29.6_32.1)						9.0_201.4		9.0_201.4		9.0_201.4							
F 60 4		315.4_1141		315.4_1141						315.4_1141																	
F 70 3				85.4_196.0						85.4_196.0						16.3_196.0 ⛀ (27.7_38.4)		10.0_196.0		10.0_196.0		10.0_49.0 ⛀ (20.9_24.6)				
F 70 4		372.5_2188		216.5_2188						216.5_2188						216.5_822.2											
F 80 3				105.0_200.0						105.0_200.0						20.3_200.0 ⛀ (28.8_49.1)		12.9_200.0 ⛀ (28.8_31.3)		10.3_200.0		10.3_132.7		10.3_132.7		
F 80 4		451.5_1987		218.5_1987						218.5_1987						218.5_972.0											
F 90 3				126.8_194.2						126.8_194.2						25.4_194.2 ⛀ (28.6_62.1)		20.6_194.2 ⛀ (28.6_49.9)		10.3_194.2		10.3_162.8		10.3_162.8		10.3_162.8
F 90 4		577.5_2099		213.6_2099						213.6_2099						213.6_1205		213.6_1205		213.6_1205							

(#) P_{n1} = maximum installable power on input P_



(D 57)

		M	ME	MX			
		M05	M1	ME2 - MX2	ME3 - MX3	ME4 - MX4	ME5 - MX5
F 10 2		7.4_127.1	7.4_71.1	7.4_91.5	7.4_91.5		
F 20 2		8.7_132.2 ⛔ (14.8_18.1)	8.7_90.4 ⛔ (14.8_18.1)	6.4_114.3	6.4_114.3		
F 20 3		156.3_545.3	156.3_545.3	156.3_545.3	156.3_545.3		
F 25 2		9.4_44.4 ⛔ (10.6_13.0)	9.4_44.4 ⛔ (10.6_13.0)	6.9_44.4	6.9_44.4		
F 25 3		50.8_333.1	50.8_227.8	45.6_288.1	45.6_288.1		
F 25 4		393.9_1374	393.9_1374	393.9_1374	393.9_1374		
F 31 2			18.5_44.6	6.9_44.6	6.9_44.6	6.9_37.7	
F 31 3			69.1_293.8	47.5_374.4	47.5_374.4	47.5_140.7	
F 31 4		418.9_1539	418.9_1539	418.9_1539	418.9_1539		
F 41 2			24.1_47.9	6.7_47.9	6.7_47.9	6.7_47.9	
F 41 3			84.9_344.8	51.5_344.8	51.5_344.8	51.5_168.7	
F 41 4	i =	433.7_1411	433.7_1411	433.7_1411	433.7_1411		
F 51 2			30.0_37.1	7.2_37.1	7.2_37.1	7.2_37.1	7.2_37.1
F 51 3			105.1_352.5	48.9_352.5	48.9_352.5	48.9_202.4	48.9_202.4
F 51 4			429.1_1439	429.1_1439	429.1_1439		
F 60 3				11.8_280.7 ⛔ (29.6_32.1)	11.8_280.7 ⛔ (29.6_32.1)	9_201.4	9_201.4
F 60 4			315.4_1141	315.4_1141	315.4_1141		
F 70 3				85.4_196.0	85.4_196.0	16.3_196.0 ⛔ (27.7_38.4)	16.3_196.0 ⛔ (27.7_38.4)
F 70 4			372.5_2188	216.5_2188	216.5_2188	216.5_822.2	
F 80 3					105.0_200.0	20.3_200.0 ⛔ (28.8_49.1)	20.3_200.0 ⛔ (28.8_49.1)
F 80 4			451.5_1987	218.5_1987	218.5_1987	218.5_972.0	
F 90 3					126.8_194.2	25.4_194.2 ⛔ (28.6_62.1)	25.4_194.2 ⛔ (28.6_62.1)
F 90 4				213.6_2099	213.6_2099	213.6_1205	



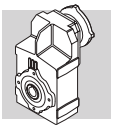
Motor adapters matching the most popular brands of servomotors are available for units size F 10 … F 60. Dimensions of servomotor inputs are provided within the drawing section for each frame size.
The code **SK** applies for inputs featuring a conventional keyway, while through the specification of the **SC** code the input shaft will feature a clamping device instead.

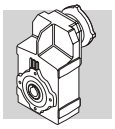
(D 58)

		SERVO INPUT							
		SK60A	SK60B	SK80A	SK80B	SK80C	SK95A	SK95B	SK95C
		SC60A	SC60B	SC80A	SC80B	SC80C	SC95A	SC95B	SC95C
F 10 2	i =	7.4_127.1	7.4_71.1	7.4_71.1		7.4_91.5	7.4_71.1	7.4_91.5	7.4_91.5
F 20 2		8.7_132.2 ⛀ (14.8_18.1)	8.7_90.4 ⛀ (14.8_18.1)	8.7_90.4 ⛀ (14.8_18.1)		6.4_114.3	8.7_90.4 ⛀ (14.8_18.1)	6.4_114.3	6.4_114.3
F 20 3		156.3_545.3	156.3_545.3	156.3_545.3		156.3_545.3	156.3_545.3	156.3_545.3	156.3_545.3
F 25 2		9.4_44.4 ⛀ (10.6_13.0)	9.4_44.4 ⛀ (10.6_13.0)	9.4_44.4 ⛀ (10.6_13.0)		6.9_44.4	9.4_44.4 ⛀ (10.6_13.0)	6.9_44.4	6.9_44.4
F 25 3		45.6_333.1	45.6_227.8	45.6_227.8		45.6_288.1	45.6_227.8	45.6_288.1	45.6_288.1
F 25 4		393.9_1374	393.9_1374	393.9_1374		393.9_1374	393.9_1374	393.9_1374	393.9_1374
F 31 2		18.5_44.6	18.5_44.6	18.5_44.6		6.9_44.6	18.5_44.6	6.9_44.6	6.9_44.6
F 31 3		69.1_374.4	69.1_293.8	69.1_293.8		47.5_374.4	69.1_293.8	47.5_374.4	47.5_374.4
F 31 4		418.9_1539	418.9_1539	418.9_1539		418.9_1539	418.9_1539	418.9_1539	418.9_1539
F 41 2					24.1_47.9	6.7_47.9	24.1_47.9	6.7_47.9	6.7_47.9
F 41 3					84.9_344.8	51.5_344.8	84.9_344.8	51.5_344.8	51.5_344.8
F 41 4		433.7_1411	433.7_1411	433.7_1411		433.7_1411	433.7_1411	433.7_1411	433.7_1411
F 51 2					30.0_37.1	7.2_37.1	30.0_37.1	7.2_37.1	7.2_37.1
F 51 3					105.1_352.5	48.9_352.5	105.1_352.5	48.9_352.5	48.9_352.5
F 51 4						429.1_1439	429.1_1439	429.1_1439	429.1_1439
F 60 3						11.8_280.7 ⛀ (29.6_32.1)	106.4_280.7	11.8_280.7 ⛀ (29.6_32.1)	11.8_280.7 ⛀ (29.6_32.1)
F 60 4					315.4_1141	315.4_1141	315.4_1141	315.4_1141	315.4_1141

(D 59)

		SERVO INPUT					
		SK110A	SK110B	SK130A	SK130B	SK180A	SK180B
		SC110A	SC110B	SC130A	SC130B	SC180A	SC180B
F 10 2	i =	7.4_91.5	7.4_91.5				
F 20 2		6.4_114.3	6.4_114.3				
F 20 3		156.3_545.3	156.3_545.3				
F 25 2		6.9_44.4	6.9_44.4				
F 25 3		45.6_288.1	45.6_288.1				
F 25 4		393.9_1374	393.9_1374				
F 31 2		6.9_44.6	6.9_44.6	6.9_44.6			
F 31 3		47.5_374.4	47.5_374.4	47.5_374.4			
F 31 4		418.9_1539	418.9_1539				
F 41 2		6.7_47.9	6.7_47.9	6.7_47.9	6.7_47.9	6.7_47.9	6.7_47.9
F 41 3		51.5_344.8	51.5_344.8	51.5_344.8	51.5_168.7	51.5_168.7	51.5_168.7
F 41 4		433.7_1411	433.7_1411				
F 51 2		7.2_37.1	7.2_37.1	7.2_37.1	7.2_37.1	7.2_37.1	7.2_37.1
F 51 3		48.9_352.5	48.9_352.5	48.9_352.5	48.9_202.4	48.9_202.4	48.9_202.4
F 51 4		429.1_1439	429.1_1439	429.1_1439			
F 60 3		11.8_280.7 ⛀ (29.6_32.1)	11.8_280.7 ⛀ (29.6_32.1)	11.8_280.7 ⛀ (29.6_32.1)	9.0_201.4	9.0_201.4	9.0_201.4
F 60 4		315.4_1141	315.4_1141	315.4_1141			

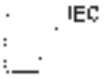




62 MOMENT OF INERTIA

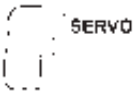
The following charts indicate moment of inertia values Jr [kgm²] referred to the gear unit high speed shaft. A key to the symbols used follows:

Values under this icon refer to compact gear units, without motor. To obtain the overall moment of inertia for the gearmotor just add the value of the inertia for the specific compact motor, given in the relevant rating chart.



Values under this symbol refer to gearboxes with IEC motor adaptor (IEC size...).

This symbol refers to gearbox values.



Values under this symbol refer to gear unit with servomotor input adapter.

F 10

	i	J (•10-4) [kgm2]							
			IEC						
			63	71	80	90	100	112	
F 10 2_7.4	7.4	1.0	1.8	1.8	3.8	3.7	4.9	4.9	1.7
F 10 2_8.6	8.6	0.77	1.5	1.5	3.6	3.5	4.7	4.7	1.5
F 10 2_9.8	9.8	0.64	1.4	1.4	3.4	3.3	4.5	4.5	1.3
F 10 2_11.5	11.5	0.48	1.2	1.2	3.3	3.2	4.4	4.4	1.2
F 10 2_13.0	13.0	0.38	1.1	1.1	3.2	3.1	4.3	4.3	1.1
F 10 2_14.6	14.6	0.61	1.4	1.4	3.4	3.3	4.5	4.5	1.3
F 10 2_17.0	17.0	0.48	1.3	1.2	3.3	3.2	4.4	4.4	1.2
F 10 2_19.3	19.3	0.41	1.2	1.2	3.2	3.1	4.3	4.3	1.1
F 10 2_22.8	22.8	0.32	1.1	1.1	3.1	3.0	4.2	4.2	1.0
F 10 2_25.8	25.8	0.25	1.0	1.0	3.1	2.9	4.1	4.1	0.93
F 10 2_29.6	29.6	0.19	1.0	0.95	3.0	2.9	4.1	4.1	0.87
F 10 2_33.0	33.0	0.16	0.93	0.92	3.0	2.8	4.1	4.1	0.84
F 10 2_35.3	35.3	0.14	0.92	0.90	3.0	2.8	4.0	4.0	0.83
F 10 2_39.6	39.6	0.12	0.90	0.88	2.9	2.8	4.0	4.0	0.80
F 10 2_44.7	44.7	0.10	0.88	0.86	2.9	2.8	4.0	4.0	0.79
F 10 2_48.7	48.7	0.09	0.86	0.85	2.9	2.8	4.0	4.0	0.77
F 10 2_56.7	56.7	0.07	0.84	0.83	2.9	2.7	4.0	4.0	0.75
F 10 2_63.0	63.0	0.06	0.83	0.82	2.9	2.7	3.9	3.9	0.74
F 10 2_71.1	71.1	0.05	0.82	0.81	2.8	2.7	3.9	3.9	0.73
F 10 2_81.3	81.3	0.04	0.78	0.77	2.8	2.7	3.9	3.9	0.67
F 10 2_91.5	91.5	0.03	0.78	0.76	2.8	2.7	3.9	3.9	0.66
F 10 2_106.0	106.0	0.03	0.77	0.76	—	—	—	—	0.66
F 10 2_127.1	127.1	0.02	0.76	0.75	—	—	—	—	0.65