

4.3 F..DRN.. parallel-shaft helical gearmotors

4.3.1 Geometrically possible combinations F..DRN..

F27, $n_e = 1400 \text{ min}^{-1}$								130 Nm
n_a min^{-1}	M_{amax} Nm	F_{Ra} N	$\Psi_{(R)}$	i	DRN 63M 63MS 71M 71MS 80MK 80MS	DRN 80M 90S	DRN 90L	DRN 100L 100LM 100LS
 3								
9.9	130	4500	-	140.74	✓			
10	130	4500	-	129.09	✓			
12	130	4500	-	109.90	✓	✓		
14	130	4500	-	94.76	✓	✓	✓	
15	130	4500	-	88.32	✓	✓	✓	
18	130	4500	-	77.21	✓	✓	✓	✓
19	130	4500	-	72.37	✓	✓	✓	
21	130	4400	-	63.86	✓	✓	✓	✓
24	130	4190	-	56.62	✓	✓	✓	✓
27	130	3980	-	50.19	✓	✓	✓	
29	130	3860	-	46.78	✓	✓	✓	
34	130	3640	-	40.89	✓	✓	✓	✓
36	130	3530	-	38.33	✓	✓	✓	
41	130	3340	-	33.83	✓	✓	✓	✓
 2								
47	130	3150	-	29.56	✓			
51	130	3030	-	27.18	✓			
60	130	2820	-	23.25	✓	✓		
69	130	2630	-	20.15	✓	✓	✓	
74	130	2550	-	18.84	✓	✓	✓	
85	130	2370	-	16.28	✓	✓	✓	✓
101	130	2180	-	13.84	✓	✓	✓	✓
113	130	2060	-	12.35	✓	✓	✓	✓
132	130	1900	-	10.55	✓	✓	✓	✓
141	130	1830	-	9.88	✓	✓	✓	✓
148	130	1660	-	9.40	✓	✓	✓	
172	123	1590	-	8.13	✓	✓	✓	✓
202	114	1530	-	6.91	✓	✓	✓	✓
226	109	1480	-	6.17	✓	✓	✓	✓
265	100	1440	-	5.27	✓	✓	✓	✓
283	96	1420	-	4.93	✓	✓	✓	✓
336	87	1380	-	4.16	✓	✓	✓	✓

F27R17, $n_e = 1400 \text{ min}^{-1}$						130 Nm	
n_a min^{-1}	M_{amax} Nm	F_{Ra} N	$\varphi_{(R)}$	i	DRN 63M 63MS 71M 71MS 80MK 80MS	DRN 80M	
 3  3							
0.15	130	4500	-	8972	✓	✓	
0.18	130	4500	-	7736	✓	✓	
0.19	130	4500	-	7211	✓	✓	
0.22	130	4500	-	6303	✓	✓	
0.25	130	4500	-	5435	✓	✓	
0.28	130	4500	-	4855	✓	✓	
0.32	130	4500	-	4243	✓	✓	
0.37	130	4500	-	3715	✓	✓	
0.43	130	4500	-	3247	✓	✓	
0.48	130	4500	-	2878	✓	✓	
0.55	130	4500	-	2515	✓	✓	
0.63	130	4500	-	2217	✓	✓	
 2  3							
0.73	130	4500	-	1898	✓	✓	
0.85	130	4500	-	1645	✓	✓	
0.91	130	4500	-	1525	✓	✓	
1	130	4500	-	1322	✓	✓	
1.2	130	4500	-	1146	✓	✓	
1.3	130	4500	-	1013	✓	✓	
1.5	130	4500	-	890	✓	✓	
1.7	130	4500	-	778	✓	✓	
2	130	4500	-	682	✓	✓	
2.3	130	4500	-	602	✓	✓	
2.6	130	4500	-	520	✓	✓	
 3  2							
0.71	130	4500	-	1948	✓		
0.76	130	4500	-	1826	✓		
0.86	130	4500	-	1610	✓	✓	
1	130	4500	-	1399	✓	✓	
1.1	130	4500	-	1230	✓	✓	
1.4	130	4500	-	948	✓	✓	
1.6	130	4500	-	829	✓	✓	
1.9	130	4500	-	731	✓	✓	
2.2	130	4500	-	633	✓	✓	
2.5	130	4500	-	551	✓	✓	
2.8	130	4500	-	489	✓	✓	
3.2	130	4500	-	427	✓	✓	
3.6	130	4500	-	379	✓	✓	
4.2	130	4500	-	326	✓	✓	
4.8	130	4500	-	288	✓	✓	
5.5	130	4500	-	251	✓	✓	
6.3	130	4500	-	221	✓	✓	
8.1	130	4500	-	172	✓	✓	
9.1	130	4500	-	153	✓	✓	
10	130	4500	-	130	✓	✓	
 2  2							
3	130	4500	-	458	✓	✓	

F27R17, $n_e = 1400 \text{ min}^{-1}$						130 Nm	
n_a min^{-1}	M_{amax} Nm	F_{Ra} N	$\varphi_{(R)}$	i	DRN 63M 63MS 71M 71MS 80MK 80MS	DRN 80M	
3.5	130	4500	-	397	✓	✓	
4	130	4500	-	342	✓	✓	
4.6	130	4500	-	302	✓	✓	
5.2	130	4500	-	266	✓	✓	
5.9	130	4500	-	236	✓	✓	
6.6	130	4500	-	211	✓	✓	
7.5	130	4500	-	186	✓	✓	
9.8	130	4500	-	142	✓	✓	
11	130	4500	-	124	✓	✓	
12	130	4500	-	109	✓	✓	
14	130	4500	-	96	✓	✓	

F37, $n_e = 1400 \text{ min}^{-1}$						230 Nm	
n_a min^{-1}	M_{amax} Nm	F_{Ra} N	$\varphi_{(R)}$	i	DRN 63M 63MS 71M 71MS 80MK 80MS	DRN 80M 90S	DRN 90L DRN 100L 100LM 100LS
 3							
10	230	3810	7	128.51	✓		
11	230	3810	7	117.88	✓		
13	230	3810	7	100.36	✓	✓	
16	230	3810	7	86.53	✓	✓	✓
17	230	3810	7	80.65	✓	✓	✓
19	230	3810	7	70.50	✓	✓	✓
21	230	3810	7	66.09	✓	✓	✓
24	230	3810	7	58.32	✓	✓	✓
25	230	3810	8	54.54	✓	✓	
27	230	3810	7	51.70	✓	✓	✓
29	230	3810	8	47.02	✓	✓	✓
31	230	3810	8	43.83	✓	✓	✓
36	230	3810	8	38.31	✓	✓	✓
38	230	3810	8	35.91	✓	✓	✓
44	230	3810	8	31.69	✓	✓	✓
49	230	3810	8	28.09	✓	✓	✓
58	230	3510	8	23.88	✓	✓	✓
 2							
59	230	3500	6	23.63	✓	✓	
68	230	3250	6	20.57	✓	✓	✓
72	230	3140	6	19.27	✓	✓	✓
82	230	2940	6	17.03	✓	✓	✓
88	220	2900	6	15.81	✓	✓	✓
97	215	2790	7	14.33	✓	✓	✓
108	205	2710	7	12.87	✓	✓	✓
126	190	2620	7	11.08	✓	✓	✓
134	185	2580	7	10.42	✓	✓	✓
156	175	2460	7	8.97	✓	✓	✓

F37, $n_e = 1400 \text{ min}^{-1}$								230 Nm
n_a min^{-1}	M_{amax} Nm	F_{Ra} N	$\Phi_{(R)}$	i	DRN 63M 63MS 71M 71MS 80MK 80MS	DRN 80M 90S	DRN 90L	DRN 100L 100LM 100LS
174	170	2360	7	8.01	✓	✓	✓	✓
188	145	2350	10	7.44	✓	✓	✓	
207	140	2270	10	6.74	✓	✓	✓	✓
231	135	2190	10	6.05	✓	✓	✓	✓
268	125	2120	10	5.21	✓	✓	✓	✓
285	120	2100	11	4.90	✓	✓	✓	✓
331	110	2030	11	4.22	✓	✓	✓	✓
371	105	1970	12	3.77	✓	✓	✓	✓

F37R17, n _e = 1400 min ⁻¹						230 Nm
n _a min ⁻¹	M _{amax} Nm	F _{Ra} N	Φ _(/R)	i	DRN 63M 63MS 71M 71MS 80MK 80MS	DRN 80M
🌀 3 🌀 3						
0.17	230	3810	7	8193	✓	✓
0.19	230	3810	7	7064	✓	✓
0.21	230	3810	7	6585	✓	✓
0.24	230	3810	7	5756	✓	✓
0.28	230	3810	7	4963	✓	✓
0.31	230	3810	7	4434	✓	✓
0.36	230	3810	7	3875	✓	✓
0.41	230	3810	7	3392	✓	✓
0.47	230	3810	7	2965	✓	✓
0.54	230	3810	8	2587	✓	✓
0.61	230	3810	7	2284	✓	✓
0.7	230	3810	7	1997	✓	✓
0.8	230	3810	8	1742	✓	✓
0.9	230	3810	8	1545	✓	✓
🌀 2 🌀 3						
0.72	230	3810	7	1929	✓	✓
0.83	230	3810	7	1679	✓	✓
0.9	230	3810	7	1550	✓	✓
1	230	3810	8	1356	✓	✓
1.1	230	3810	7	1180	✓	✓
1.3	230	3810	7	1044	✓	✓
1.5	230	3810	8	914	✓	✓
1.7	230	3810	8	808	✓	✓
2	220	3980	8	698	✓	✓
2.2	230	3810	8	616	✓	✓
2.5	230	3810	8	544	✓	✓
3	205	4220	9	466	✓	✓
3.4	205	4220	9	411	✓	✓
3.8	205	4220	9	364	✓	✓
🌀 3 🌀 2						
1	230	3810	7	1370	✓	✓

F37R17, $n_e = 1400 \text{ min}^{-1}$						230 Nm	
n_a min^{-1}	M_{amax} Nm	F_{Ra} N	$\varphi_{(R)}$	i	DRN 63M 63MS 71M 71MS 80MK 80MS	DRN 80M	
1.1	230	3810	7	1198	✓	✓	
1.3	230	3810	7	1047	✓	✓	
1.5	230	3810	7	915	✓	✓	
1.7	230	3810	7	807	✓	✓	
1.9	230	3810	7	707	✓	✓	
2.2	230	3810	7	617	✓	✓	
2.6	230	3810	8	538	✓	✓	
2.9	230	3810	8	477	✓	✓	
3.3	230	3810	8	412	✓	✓	
3.8	230	3810	8	365	✓	✓	
4.3	230	3810	9	322	✓	✓	
5	230	3810	8	278	✓	✓	
5.7	230	3810	9	242	✓	✓	
6.3	230	3810	9	221	✓	✓	
7.1	230	3810	9	195	✓	✓	
8.3	230	3810	9	168	✓	✓	
9.5	230	3810	9	147	✓	✓	
11	230	3810	9	127	✓	✓	
11	230	3810	9	121	✓	✓	
12	230	3810	9	108	✓	✓	
15	230	3810	9	91	✓	✓	
 2 							
4.2	230	3810	7	326	✓	✓	
4.9	230	3810	7	285	✓	✓	
5.6	230	3810	8	250	✓	✓	
6.3	220	3980	8	219	✓	✓	
7.5	215	4070	8	186	✓	✓	
8.3	205	4220	9	167	✓	✓	
9.6	230	3810	8	145	✓	✓	
10	230	3810	8	129	✓	✓	
11	230	3810	8	118	✓	✓	
14	230	3810	8	98	✓	✓	
16	230	3810	8	87	✓	✓	
F47, $n_e = 1400 \text{ min}^{-1}$						450 Nm	
n_a min^{-1}	M_{amax} Nm	F_{Ra} N	$\varphi_{(R)}$	i	DRN 63M 63MS 71M 71MS 80MK 80MS	DRN 80M 90S	DRN 90L DRN 100L 100LM 100LS
 3							
7.3	450	8590	6	190.76	✓		
7.9	450	8590	6	175.38	✓		
9.3	450	8590	6	150.06	✓	✓	
10	450	8590	6	130.07	✓	✓	✓
11	450	8590	6	121.57	✓	✓	✓
13	450	8590	6	105.09	✓	✓	✓

F47, $n_e = 1400 \text{ min}^{-1}$								450 Nm
n_a min^{-1}	M_{amax} Nm	F_{Ra} N	$\varphi_{(R)}$	i	DRN 63M 63MS 71M 71MS 80MK 80MS	DRN 80M 90S	DRN 90L	DRN 100L 100LM 100LS
15	450	8590	6	89.29	✓	✓	✓	✓
17	450	8590	6	79.72	✓	✓	✓	✓
20	450	8010	6	68.09	✓	✓	✓	✓
21	450	7860	7	65.36	✓	✓	✓	
24	450	7340	7	56.49	✓	✓	✓	✓
29	450	6800	7	48.00*	✓	✓	✓	✓
32	450	6440	7	42.86	✓	✓	✓	✓
38	450	5950	7	36.61	✓	✓	✓	✓
40	450	5760	7	34.29	✓	✓	✓	✓
48	450	5280	7	28.88	✓	✓	✓	✓



45	450	5460	6	30.86	✓	✓	✓	
47	450	5320	6	29.32	✓	✓	✓	
54	450	4960	6	25.72	✓	✓	✓	✓
64	450	4540	6	21.82	✓	✓	✓	✓
71	450	4290	6	19.70	✓	✓	✓	✓
80	450	3980	6	17.33	✓	✓	✓	✓
85	450	3850	6	16.36	✓	✓	✓	✓
100	450	3500	6	13.93	✓	✓	✓	✓
110	450	3290	6	12.66	✓	✓	✓	✓
127	450	3000	6	10.97	✓	✓	✓	✓
156	330	3150	8	8.96	✓	✓	✓	✓
177	380	2550	8	7.88	✓	✓	✓	✓
188	380	2450	8	7.44*	✓	✓	✓	✓
220	350	2390	8	6.34	✓	✓	✓	✓
243	340	2310	9	5.76	✓	✓	✓	✓
280	320	2230	9	4.99	✓	✓	✓	✓

F47R17, $n_e = 1400 \text{ min}^{-1}$						450 Nm
n_a min^{-1}	M_{amax} Nm	F_{Ra} N	$\varphi_{(R)}$	i	DRN 63M 63MS 71M 71MS 80MK 80MS	DRN 80M
0.11	450	8590	6	12251	✓	✓
0.13	450	8590	6	10619	✓	✓
0.14	450	8590	6	9846	✓	✓
0.16	450	8590	6	8534	✓	✓
0.18	450	8590	6	7460	✓	✓
0.21	450	8590	6	6536	✓	✓
0.24	450	8590	6	5746	✓	✓
0.27	450	8590	6	5022	✓	✓
0.31	450	8590	6	4401	✓	✓
0.36	450	8590	6	3883	✓	✓
0.4	450	8590	6	3443	✓	✓
0.47	450	8590	6	2976	✓	✓



F47R17, $n_e = 1400 \text{ min}^{-1}$						450 Nm
n_a min^{-1}	M_{amax} Nm	F_{Ra} N	$\varphi_{(R)}$	i	DRN 63M 63MS 71M 71MS 80MK 80MS	DRN 80M
0.53	450	8590	7	2629	✓	✓
0.6	450	8590	7	2304	✓	✓
0.68	450	8590	7	2033	✓	✓
 2  3						
0.55	450	8590	7	2519	✓	✓
0.58	450	8590	7	2394	✓	✓
0.64	450	8590	7	2172	✓	✓
0.69	450	8590	7	2025	✓	✓
0.79	450	8590	7	1770	✓	✓
0.88	450	8590	7	1576	✓	✓
1	450	8590	7	1363	✓	✓
1.1	450	8590	7	1192	✓	✓
1.3	450	8590	7	1061	✓	✓
1.5	450	8590	7	931	✓	✓
1.7	450	8590	7	822	✓	✓
1.9	450	8590	7	706	✓	✓
2.2	450	8590	7	619	✓	✓
 3  2						
0.78	450	8590	6	1785	✓	✓
0.88	450	8590	6	1578	✓	✓
1	450	8590	6	1364	✓	✓
1.1	450	8590	6	1203	✓	✓
1.3	450	8590	6	1049	✓	✓
1.5	450	8590	6	918	✓	✓
1.7	450	8590	7	809	✓	✓
2	450	8590	6	700	✓	✓
2.2	450	8590	8	622	✓	✓
2.5	450	8590	8	543	✓	✓
2.9	450	8590	8	475	✓	✓
3.3	450	8590	8	419	✓	✓
3.7	450	8590	7	370	✓	✓
4.3	450	8590	8	324	✓	✓
4.8	450	8590	7	288	✓	✓
5.6	450	8590	8	249	✓	✓
6.4	450	8590	8	218	✓	✓
7.2	450	8590	8	193	✓	✓
8	450	8590	8	175	✓	✓
9.5	450	8590	8	147	✓	✓
10	450	8590	8	130	✓	✓
 2  2						
2.6	450	8590	7	524	✓	✓
2.8	450	8590	7	489	✓	✓
3.2	450	8590	7	427	✓	✓
3.6	450	8590	7	381	✓	✓
4.1	450	8590	7	334	✓	✓
4.7	450	8590	7	295	✓	✓
5.5	450	8590	7	253	✓	✓
6.4	450	8590	7	217	✓	✓
7.3	450	8590	7	190	✓	✓

F47R17, $n_e = 1400 \text{ min}^{-1}$						450 Nm				
n_a min^{-1}	M_{amax} Nm	F_{Ra} N	$\varphi_{(R)}$	i	DRN 63M 63MS 71M 71MS 80MK 80MS	DRN 80M				
7.8	450	8590	7	178	✓	✓				
9.3	450	8590	7	149	✓	✓				
10	450	8590	7	131	✓	✓				

F57, $n_e = 1400 \text{ min}^{-1}$										630 Nm
n_a min^{-1}	M_{amax} Nm	F_{Ra} N	$\varphi_{(R)}$	i	DRN 63M 63MS 71M 71MS 80MK 80MS	DRN 80M 90S	DRN 90L	DRN 100L 100LM 100LS	DRN 112M	DRN 132M 132S
 3										
7	630	8180	6	199.70	✓					
7.6	630	8180	6	183.60	✓					
8.9	630	8180	6	157.09	✓	✓				
10	630	8180	6	136.16	✓	✓	✓			
11	630	8180	6	127.27	✓	✓	✓			
12	630	8180	6	110.01	✓	✓	✓	✓		
14	630	8180	6	93.47	✓	✓	✓	✓	✓	
16	630	8180	6	83.46	✓	✓	✓	✓	✓	
19	630	8180	6	72.98	✓	✓	✓			
20	630	8180	6	68.22	✓	✓	✓			
23	630	8180	7	58.97	✓	✓	✓	✓		
27	630	8180	7	50.10	✓	✓	✓	✓	✓	
31	630	8180	7	44.73	✓	✓	✓	✓	✓	
36	630	8180	7	38.21	✓	✓	✓	✓	✓	✓
39	630	8070	7	35.79	✓	✓	✓	✓	✓	✓
46	590	7650	7	30.15	✓	✓	✓	✓	✓	✓

 2										
34	290	10500	6	40.13	✓					
40	500	8670	6	34.24	✓	✓				
46	545	7890	6	29.94	✓	✓	✓			
49	535	7760	6	28.45	✓	✓	✓			
56	575	7060	6	24.96	✓	✓	✓	✓		
66	630	6180	6	21.17	✓	✓	✓	✓	✓	
73	630	5840	6	19.11	✓	✓	✓	✓	✓	
83	630	5440	6	16.81	✓	✓	✓	✓	✓	✓
88	630	5270	6	15.88	✓	✓	✓	✓	✓	✓
103	630	4800	6	13.52	✓	✓	✓	✓	✓	✓
113	630	4530	6	12.29	✓	✓	✓	✓	✓	✓
131	630	4140	6	10.64	✓	✓	✓	✓	✓	✓
150	420	4760	8	9.31	✓	✓	✓	✓	✓	
170	420	4450	8	8.19	✓	✓	✓	✓	✓	✓
181	420	4310	8	7.73	✓	✓	✓	✓	✓	✓
212	420	3940	8	6.58	✓	✓	✓	✓	✓	✓
234	420	3730	9	5.98	✓	✓	✓	✓	✓	✓
270	415	3460	9	5.18	✓	✓	✓	✓	✓	✓

F57R37, n _e = 1400 min ⁻¹									630 Nm
n _a min ⁻¹	M _{amax} Nm	F _{Ra} N	φ _(/R)	i	DRN 63M 63MS 71M 71MS 80MK 80MS	DRN 80M 90S	DRN 90L	DRN 100L 100LM 100LS	
 3  3									
0.09	630	8180	6	14832	✓				
0.1	630	8180	6	13604	✓				
0.11	630	8180	6	12602	✓				
0.12	630	8180	6	11252	✓				
0.14	630	8180	6	9986	✓	✓	✓		
0.15	630	8180	6	8787	✓	✓			
0.17	630	8180	6	7908	✓	✓	✓		
0.2	630	8180	6	6913	✓	✓	✓	✓	
0.23	630	8180	7	6030	✓				
0.26	630	8180	6	5289	✓	✓	✓		
0.3	630	8180	6	4654	✓	✓			
0.34	630	8180	7	4060	✓	✓	✓		
0.39	630	8180	6	3564	✓	✓	✓	✓	
0.44	630	8180	6	3161	✓	✓	✓	✓	
0.51	630	8180	7	2737	✓	✓	✓	✓	
0.58	630	8180	7	2409	✓	✓	✓		
0.65	630	8180	7	2131	✓	✓			
0.76	630	8180	7	1840	✓	✓	✓		
0.86	630	8180	7	1623	✓	✓	✓	✓	
0.97	630	8180	7	1439	✓	✓	✓	✓	
1.1	630	8180	7	1238	✓	✓	✓	✓	
 2  3									
0.49	630	8180	7	2854	✓				
0.54	630	8180	7	2576	✓				
0.61	630	8180	7	2266	✓				
0.69	630	8180	7	2012	✓	✓			
0.78	630	8180	7	1791	✓	✓	✓		
0.86	630	8180	7	1617	✓	✓	✓		
0.98	630	8180	7	1422	✓	✓	✓		
1.1	630	8180	7	1243	✓	✓	✓	✓	
1.3	630	8180	7	1066	✓	✓			
1.4	630	8180	7	949	✓	✓	✓		
1.6	630	8180	7	856	✓	✓	✓		
1.8	630	8180	7	749	✓	✓	✓	✓	
2.1	630	8180	7	658	✓	✓	✓	✓	
2.5	630	8180	7	549	✓	✓	✓	✓	
2.8	630	8180	7	483	✓	✓	✓	✓	
 3  2									
1.2	630	8180	6	1106	✓	✓	✓	✓	
1.4	630	8180	7	967	✓	✓	✓		
1.6	630	8180	7	851	✓	✓			
1.8	630	8180	7	738	✓	✓	✓		
2.1	630	8180	7	646	✓	✓	✓		
2.5	630	8180	7	558	✓	✓	✓	✓	
2.7	630	8180	7	506	✓	✓	✓	✓	
3	630	8180	7	452	✓	✓	✓	✓	
3.6	630	8180	7	386	✓	✓	✓	✓	
4.1	630	8180	7	338	✓	✓	✓	✓	

F57R37, $n_e = 1400 \text{ min}^{-1}$										630 Nm
n_a min^{-1}	M_{amax} Nm	F_{Ra} N	$\varphi_{(R)}$	i	DRN 63M 63MS 71M 71MS 80MK 80MS	DRN 80M 90S	DRN 90L	DRN 100L 100LM 100LS	DRN 100L 100LM 100LS	
5.4	630	8180	7	255	✓	✓	✓	✓	✓	
6.9	630	8180	7	201	✓	✓	✓	✓	✓	
7.7	630	8180	7	181	✓	✓	✓	✓	✓	
9	630	8180	7	155	✓	✓	✓	✓	✓	
 2 										
3.2	630	8180	7	426	✓	✓				
3.6	630	8180	7	382	✓	✓	✓			
4.2	630	8180	7	330	✓	✓	✓		✓	
4.6	630	8180	7	298	✓	✓	✓		✓	
5.3	630	8180	7	262	✓	✓	✓		✓	
6.1	630	8180	7	226	✓	✓	✓		✓	
7	630	8180	7	200	✓	✓	✓		✓	
8.2	630	8180	7	170	✓	✓	✓		✓	
9.2	630	8180	7	152	✓	✓	✓		✓	
10	630	8180	7	134	✓	✓	✓		✓	
F67, $n_e = 1400 \text{ min}^{-1}$										870 Nm
n_a min^{-1}	M_{amax} Nm	F_{Ra} N	$\varphi_{(R)}$	i	DRN 63M 63MS 71M 71MS 80MK 80MS	DRN 80M 90S	DRN 90L	DRN 100L 100LM 100LS	DRN 112M	DRN 132M 132S
 3										
6.1	870	9840	6	228.99	✓					
7.1	870	9840	6	195.39	✓	✓				
8.1	870	9840	6	170.85	✓	✓	✓			
8.6	870	9840	6	162.31	✓	✓	✓			
9.8	870	9840	6	142.40	✓	✓	✓	✓		
11	870	9840	6	120.79	✓	✓	✓	✓	✓	
12	870	9840	6	109.04	✓	✓	✓	✓	✓	
14	870	9840	6	95.94	✓	✓	✓	✓	✓	✓
15	870	9840	6	90.59	✓	✓	✓	✓	✓	✓
17	870	9840	6	79.76	✓	✓	✓	✓		
20	870	9840	6	67.65	✓	✓	✓	✓	✓	
22	870	9840	6	61.07	✓	✓	✓	✓	✓	
26	870	9840	6	53.73	✓	✓	✓	✓	✓	✓
27	870	9840	6	50.74	✓	✓	✓	✓	✓	✓
32	870	9840	6	43.20	✓	✓	✓	✓	✓	✓
35	780	10700	6	39.26	✓	✓	✓	✓	✓	✓
41	740	11000	6	34.01	✓	✓	✓	✓	✓	✓
 2										
38	870	9840	5	36.30	✓	✓	✓			
43	870	9840	5	32.08	✓	✓	✓	✓		
51	870	9840	5	27.41	✓	✓	✓	✓	✓	
55	870	9840	5	25.13	✓	✓	✓	✓	✓	
63	870	9840	5	22.05	✓	✓	✓	✓	✓	✓

F67, $n_e = 1400 \text{ min}^{-1}$

n_a min^{-1}	M_{amax} Nm	F_{Ra} N	$\varphi_{(R)}$	i	DRN 63M 63MS 71M 71MS 80MK 80MS	DRN 80M 90S	DRN 90L	DRN 100L 100LM 100LS	DRN 112M	870 Nm DRN 132M 132S
66	870	9840	5	20.90*	✓	✓	✓	✓	✓	✓
76	870	9840	6	18.29	✓	✓	✓	✓	✓	✓
84	870	9840	6	16.48	✓	✓	✓	✓	✓	✓
96	870	9840	6	14.46	✓	✓	✓	✓	✓	✓
109	870	9840	6	12.76		✓	✓	✓	✓	✓
123	870	9840	6	11.31		✓	✓	✓	✓	✓
144	870	9840	6	9.66		✓	✓	✓	✓	✓
154	610	10900	8	9.08	✓	✓	✓	✓	✓	✓
162	610	10700	8	8.60	✓	✓	✓	✓	✓	✓
185	610	10100	8	7.53	✓	✓	✓	✓	✓	✓
206	620	9660	9	6.78	✓	✓	✓	✓	✓	✓
235	610	9200	9	5.95	✓	✓	✓	✓	✓	✓
266	590	8850	9	5.25		✓	✓	✓	✓	✓
300	560	8590	9	4.66		✓	✓	✓	✓	✓
352	500	8390	10	3.97		✓	✓	✓	✓	✓

F67R37, $n_e = 1400 \text{ min}^{-1}$

n_a min^{-1}	M_{amax} Nm	F_{Ra} N	$\varphi_{(R)}$	i	DRN 63M 63MS 71M 71MS 80MK 80MS	DRN 80M 90S	DRN 90L	870 Nm DRN 100L 100LM 100LS
0.07	870	9840	6	19199	✓			
0.07	870	9840	6	17610	✓			
0.09	870	9840	6	14992	✓	✓		
0.1	870	9840	6	12926	✓	✓	✓	
0.12	870	9840	6	11480	✓	✓		
0.13	870	9840	6	10220	✓	✓	✓	
0.15	870	9840	6	8933	✓	✓	✓	✓
0.17	870	9840	6	7940	✓	✓		
0.19	870	9840	6	7096	✓	✓	✓	✓
0.23	870	9840	6	6080	✓	✓		
0.26	870	9840	7	5341	✓	✓		
0.29	870	9840	7	4690	✓	✓	✓	
0.34	870	9840	6	4091	✓	✓	✓	✓
0.39	870	9840	7	3574	✓	✓	✓	
0.44	870	9840	6	3133	✓	✓	✓	✓
0.5	870	9840	6	2756	✓	✓	✓	✓
0.57	870	9840	7	2439	✓	✓	✓	
0.41	870	9840	6	3377	✓	✓		
0.48	870	9840	6	2912	✓	✓	✓	
0.51	870	9840	6	2714	✓	✓	✓	
0.59	870	9840	6	2372	✓	✓	✓	✓
0.65	870	9840	6	2126	✓	✓	✓	
0.75	870	9840	6	1859	✓	✓	✓	✓

F67R37, $n_e = 1400 \text{ min}^{-1}$								870 Nm
n_a min^{-1}	M_{amax} Nm	F_{Ra} N	$\varphi_{(r)}$	i	DRN 63M 63MS 71M 71MS 80MK 80MS	DRN 80M 90S	DRN 90L	DRN 100L 100LM 100LS
0.85	870	9840	6	1631	✓	✓	✓	✓
0.97	870	9840	6	1437	✓	✓	✓	
1.1	870	9840	6	1256	✓	✓	✓	✓
1.2	870	9840	6	1126	✓	✓	✓	
1.4	870	9840	6	984	✓	✓	✓	✓
1.6	870	9840	6	864	✓	✓	✓	✓
1.9	870	9840	6	722	✓	✓	✓	✓
2.2	870	9840	6	634	✓	✓	✓	✓
2.5	870	9840	6	539	✓	✓	✓	✓
 3  2								
0.66	870	9840	6	2106	✓	✓	✓	
0.74	870	9840	6	1884	✓	✓	✓	✓
0.85	870	9840	6	1635	✓	✓	✓	
0.97	870	9840	6	1429	✓	✓	✓	✓
1.1	870	9840	6	1271	✓	✓	✓	✓
1.2	870	9840	6	1102	✓	✓	✓	✓
1.4	870	9840	6	970	✓	✓	✓	✓
1.6	870	9840	6	858	✓	✓	✓	✓
1.8	870	9840	6	755	✓	✓	✓	✓
2.1	870	9840	7	641	✓	✓	✓	✓
2.4	870	9840	7	572	✓	✓	✓	✓
2.7	870	9840	7	509	✓	✓	✓	✓
3.2	870	9840	7	437	✓	✓	✓	✓
3.6	870	9840	7	384	✓	✓	✓	✓
4.1	870	9840	7	338	✓	✓	✓	✓
4.5	870	9840	7	305	✓	✓	✓	✓
5.4	870	9840	7	257	✓	✓	✓	✓
6	870	9840	7	231	✓	✓	✓	✓
6.8	870	9840	7	205	✓	✓	✓	✓
8	870	9840	7	175	✓	✓	✓	✓
 2  2								
2.8	870	9840	6	500	✓	✓	✓	✓
3	870	9840	6	454	✓	✓	✓	
3.5	870	9840	6	392	✓	✓	✓	✓
4.2	870	9840	6	333	✓	✓	✓	✓
4.7	870	9840	6	297	✓	✓	✓	✓
5.3	870	9840	6	261	✓	✓	✓	✓
5.8	870	9840	6	238	✓	✓	✓	✓
7	870	9840	6	200	✓	✓	✓	✓
7.9	870	9840	6	176	✓	✓	✓	✓

F77, $n_g = 1400 \text{ min}^{-1}$

n_a min^{-1}	M_{amax} Nm	F_{Ra} N	$\varphi_{(R)}$	i	DRN 63M 63MS 71M 71MS 80MK 80MS	DRN 80M 90S	DRN 90L	DRN 100L 100LM 100LS	DRN 112M	DRN 132M 132S	1500 Nm DRN 132L 160L 160M
											
4.9	1500	15700	5	281.71	✓						
5.3	1500	15700	5	262.93	✓						
6.2	1500	15700	5	225.79	✓	✓					
7	1500	15700	5	198.31	✓	✓	✓				
7.4	1500	15700	5	188.40	✓	✓	✓				
8.4	1500	15700	5	166.47	✓	✓	✓	✓			
9.8	1500	15700	5	142.27	✓	✓	✓	✓	✓		
10	1500	15700	5	130.42	✓	✓	✓	✓	✓		
12	1500	15700	5	114.45	✓	✓	✓	✓	✓	✓	
12	1500	15700	5	108.46*	✓	✓	✓	✓	✓	✓	
14	1500	15700	5	94.93	✓	✓	✓	✓	✓	✓	
16	1500	15700	6	85.52	✓	✓	✓	✓	✓	✓	
18	1500	15700	6	75.02	✓	✓	✓	✓	✓	✓	
19	1500	15700	6	72.50	✓	✓	✓	✓	✓		
21	1500	15700	6	66.46	✓	✓	✓	✓	✓		
24	1500	15700	6	58.32	✓	✓	✓	✓	✓	✓	
25	1500	15700	6	55.27	✓	✓	✓	✓	✓	✓	
28	1500	15700	6	48.37	✓	✓	✓	✓	✓	✓	
32	1500	15700	6	43.58	✓	✓	✓	✓	✓	✓	✓
36	1500	15700	6	38.23	✓	✓	✓	✓	✓	✓	✓
41	1500	15700	6	33.74		✓	✓	✓	✓	✓	✓
46	1500	15700	6	29.91		✓	✓	✓	✓	✓	✓
54	1450	16100	6	25.54		✓	✓	✓	✓	✓	✓
											
38	1110	17900	5	36.58	✓	✓	✓	✓			
44	1380	16500	5	31.51	✓	✓	✓	✓	✓		
48	1430	16200	5	28.75	✓	✓	✓	✓	✓		
54	1500	15700	5	25.50*	✓	✓	✓	✓	✓	✓	
65	1500	15700	5	21.43	✓	✓	✓	✓	✓	✓	
71	1500	15700	5	19.70	✓	✓	✓	✓	✓	✓	✓
80	1500	15700	5	17.49	✓	✓	✓	✓	✓	✓	✓
89	1500	15700	5	15.64*		✓	✓	✓	✓	✓	✓
99	1500	15700	5	14.06		✓	✓	✓	✓	✓	✓
114	1500	14900	5	12.20		✓	✓	✓	✓	✓	✓
128	1500	14200	6	10.93				✓	✓	✓	✓
150	1080	13800	7	9.30	✓	✓	✓	✓	✓	✓	✓
169	1080	13100	7	8.26	✓	✓	✓	✓	✓	✓	✓
189	1080	12500	7	7.39		✓	✓	✓	✓	✓	✓
210	1080	12000	8	6.64		✓	✓	✓	✓	✓	✓
243	1080	11300	8	5.76		✓	✓	✓	✓	✓	✓
271	1080	10700	8	5.16				✓	✓	✓	✓
327	1010	10200	8	4.28				✓	✓	✓	✓

F77R37, $n_e = 1400 \text{ min}^{-1}$								1500 Nm
n_a min^{-1}	M_{amax} Nm	F_{Ra} N	$\varphi_{(r)}$	i	DRN 63M 63MS 71M 71MS 80MK 80MS	DRN 80M 90S	DRN 90L	DRN 100L 100LM 100LS
 3  3								
0.07	1500	15700	6	19180	✓			
0.07	1500	15700	6	17593	✓			
0.08	1500	15700	6	16128	✓			
0.09	1500	15700	6	14978	✓	✓		
0.1	1500	15700	6	13731	✓	✓		
0.11	1500	15700	6	12049	✓	✓		
0.12	1500	15700	6	11035	✓	✓	✓	
0.14	1500	15700	6	9683	✓	✓	✓	
0.16	1500	15700	6	8464	✓	✓	✓	✓
0.18	1500	15700	6	7520	✓	✓	✓	
0.21	1500	15700	6	6580	✓	✓	✓	
0.24	1500	15700	6	5808	✓	✓	✓	✓
0.27	1500	15700	6	5026	✓	✓	✓	
0.31	1500	15700	6	4435	✓	✓	✓	✓
0.36	1500	15700	6	3832	✓	✓	✓	
0.41	1500	15700	6	3381	✓	✓	✓	✓
0.47	1500	15700	6	2978	✓	✓	✓	
0.53	1500	15700	6	2613	✓	✓	✓	
0.61	1500	15700	6	2284	✓	✓	✓	✓
0.68	1500	15700	6	2029	✓	✓	✓	
 2  3								
0.28	1110	17900	5	4931	✓			
0.3	1110	17900	5	4523	✓			
0.36	1110	17900	5	3851	✓	✓		
0.42	1110	17900	5	3320	✓	✓	✓	
0.45	1110	17900	5	3095	✓	✓	✓	
0.51	1110	17900	5	2705	✓	✓	✓	✓
0.55	1110	17900	5	2536	✓	✓	✓	
0.62	1110	17900	5	2238	✓	✓	✓	✓
0.68	1110	17900	5	2039	✓	✓		
0.79	1110	17900	5	1759	✓	✓	✓	
0.85	1110	17900	5	1639	✓	✓	✓	
0.97	1110	17900	5	1433	✓	✓	✓	✓
1	1110	17900	5	1343	✓	✓	✓	
1.1	1110	17900	5	1185	✓	✓	✓	✓
1.3	1110	17900	5	1051	✓	✓	✓	✓
1.5	1110	17900	5	893	✓	✓	✓	✓
 3  2								
0.81	1500	15700	6	1728	✓	✓	✓	✓
0.9	1500	15700	6	1544	✓	✓	✓	
1	1500	15700	6	1354	✓	✓	✓	
1.1	1500	15700	6	1200	✓	✓	✓	
1.3	1500	15700	6	1053	✓	✓	✓	
1.5	1500	15700	6	910	✓	✓	✓	✓
1.7	1500	15700	6	810	✓	✓	✓	✓
1.9	1500	15700	6	710	✓	✓	✓	✓
2.2	1500	15700	6	615	✓	✓	✓	✓
2.6	1500	15700	6	538	✓	✓	✓	✓

F77R37, n _e = 1400 min ⁻¹													1500 Nm
n _a min ⁻¹	M _{amax} Nm	F _{Ra} N	φ _(/R)	i	DRN 63M 63MS 71M 71MS 80MK 80MS	DRN 80M 90S	DRN 90L	DRN 100L 100LM 100LS					
2.9	1500	15700	6	480	✓	✓	✓	✓					
3.3	1500	15700	6	413	✓	✓	✓	✓					
3.8	1500	15700	6	367	✓	✓	✓	✓					
4.3	1500	15700	7	323	✓	✓	✓	✓					
5	1500	15700	6	280	✓	✓	✓	✓					
5.6	1500	15700	7	247	✓	✓	✓	✓					
6.3	1500	15700	7	221	✓	✓	✓	✓					
7	1500	15700	6	199	✓	✓	✓	✓					
 2  2													
1.7	1110	17900	5	815	✓	✓							
1.9	1110	17900	5	706	✓	✓	✓						
2.1	1110	17900	5	660	✓	✓	✓						
2.4	1110	17900	5	571	✓	✓	✓	✓					
2.8	1110	17900	5	485	✓	✓	✓	✓					
3.2	1110	17900	5	433	✓	✓	✓	✓					
3.7	1110	17900	5	370	✓	✓	✓	✓					
4	1110	17900	5	346	✓	✓	✓	✓					
4.7	1110	17900	5	292	✓	✓	✓	✓					

F87, n _e = 1400 min ⁻¹													3000 Nm
n _a min ⁻¹	M _{amax} Nm	F _{Ra} N	φ _(/R)	i	DRN 71M 80MK 80MS	DRN 80M 90S	DRN 90L	DRN 100L 100LM 100LS	DRN 112M	DRN 132M 132S	DRN 132L 160L 160M	DRN 180L 180M	DRN 200L
 3													
5.1	3000	19800	7	270.68	✓	✓	✓						
5.4	3000	19800	7	255.37	✓	✓	✓						
6.1	3000	19800	7	228.93	✓	✓	✓	✓					
7	3000	19800	7	197.20	✓	✓	✓	✓	✓				
7.7	3000	19800	7	179.97	✓	✓	✓	✓	✓				
8.7	3000	19800	7	159.61	✓	✓	✓	✓	✓	✓			
10	3000	19800	7	134.16	✓	✓	✓	✓	✓	✓			
11	3000	19800	7	123.29	✓	✓	✓	✓	✓	✓	✓		
12	3000	19800	7	109.49	✓	✓	✓	✓	✓	✓	✓		
14	3000	19800	7	97.89		✓	✓	✓	✓	✓	✓		
15	3000	19800	7	88.01		✓	✓	✓	✓	✓	✓		
18	3000	19800	7	76.39		✓	✓	✓	✓	✓	✓		
20	3000	19600	7	68.40				✓	✓	✓	✓		
24	3000	17700	7	56.75				✓	✓	✓	✓		
27	2940	16800	7	50.36		✓	✓	✓	✓	✓	✓	✓	
30	2820	16200	8	45.28		✓	✓	✓	✓	✓	✓	✓	
35	2720	15400	8	39.30		✓	✓	✓	✓	✓	✓	✓	✓
39	2610	14900	8	35.19				✓	✓	✓	✓	✓	✓
47	2510	13800	8	29.20				✓	✓	✓	✓	✓	✓
 2													
41	2610	14600	7	33.92	✓	✓	✓	✓	✓	✓			
48	2450	13900	7	28.78	✓	✓	✓	✓	✓	✓			

F87, $n_e = 1400 \text{ min}^{-1}$													3000 Nm
n_a min^{-1}	M_{amax} Nm	F_{Ra} N	$\varphi_{(r)}$	i	DRN 71M 80MK 80MS	DRN 80M 90S	DRN 90L	DRN 100L 100LM 100LS	DRN 112M	DRN 132M 132S	DRN 132L 160L 160M	DRN 180L 180M	DRN 200L
52	3000	11100	7	26.50	✓	✓	✓	✓	✓	✓	✓		
59	3000	10300	7	23.68	✓	✓	✓	✓	✓	✓	✓		
65	3000	9530	7	21.32*		✓	✓	✓	✓	✓	✓	✓	
72	3000	8840	7	19.31		✓	✓	✓	✓	✓	✓	✓	
81	3000	8040	7	17.12		✓	✓	✓	✓	✓	✓	✓	✓
90	3000	7390	7	15.48				✓	✓	✓	✓	✓	✓
106	3000	6370	7	13.12*				✓	✓	✓	✓	✓	✓
122	3000	5580	7	11.46						✓	✓	✓	✓
146	2880	5050	7	9.58						✓	✓	✓	✓
168	1530	8890	7	8.29		✓	✓	✓	✓	✓	✓	✓	
190	1530	8280	7	7.35		✓	✓	✓	✓	✓	✓	✓	✓
210	1530	7790	7	6.65				✓	✓	✓	✓	✓	✓
248	1530	7020	7	5.63				✓	✓	✓	✓	✓	✓
284	1530	6430	7	4.92						✓	✓	✓	✓
339	1460	5980	7	4.12						✓	✓	✓	✓

F87R57, $n_e = 1400 \text{ min}^{-1}$											3000 Nm
n_a min^{-1}	M_{amax} Nm	F_{Ra} N	$\varphi_{(r)}$	i	DRN 63M 63MS 71M 71MS 80MK 80MS	DRN 80M 90S	DRN 90L	DRN 100L 100LM 100LS	DRN 112M	DRN 132M 132S	DRN 132M 132S
 3  3											
0.06	3000	19800	7	23042	✓						
0.06	3000	19800	7	20462	✓						
0.07	3000	19800	7	18238	✓	✓					
0.08	3000	19800	7	15877	✓	✓	✓				
0.09	3000	19800	7	14099	✓	✓	✓				
0.11	3000	19800	7	12205	✓	✓	✓				
0.13	3000	19800	7	10433	✓	✓	✓	✓			
0.14	3000	19800	7	9381	✓	✓	✓	✓			
0.17	3000	19800	7	8142	✓	✓	✓	✓			
0.19	3000	19800	7	7100	✓	✓	✓				
0.22	3000	19800	7	6273	✓	✓	✓	✓			
0.25	3000	19800	7	5510	✓	✓	✓	✓	✓		
0.28	3000	19800	7	4954	✓	✓	✓				
0.32	3000	19800	7	4245	✓	✓	✓	✓	✓		
0.37	3000	19800	7	3721	✓	✓	✓	✓	✓	✓	✓
 2  3											
0.28	3000	19800	7	4952	✓						
0.3	3000	19800	7	4562	✓						
0.35	3000	19800	7	3919	✓	✓					
0.39	3000	19800	7	3503	✓	✓					
0.43	3000	19800	7	3196	✓	✓	✓				
0.49	3000	19800	7	2857	✓	✓	✓				
0.55	3000	19800	7	2524	✓	✓	✓	✓			
0.65	3000	19800	7	2134	✓	✓	✓	✓	✓		
0.73	3000	19800	8	1913	✓	✓	✓	✓	✓		
0.81	3000	19800	8	1717	✓	✓	✓	✓	✓		

F87R57, n _e = 1400 min ⁻¹											3000 Nm
n _a min ⁻¹	M _{amax} Nm	F _{Ra} N	Φ _(/R)	i	DRN 63M 63MS 71M 71MS 80MK 80MS	DRN 80M 90S	DRN 90L	DRN 100L 100LM 100LS	DRN 112M	DRN 132M 132S	
0.94	3000	19800	8	1476	✓	✓	✓				
1	3000	19800	7	1278	✓	✓	✓	✓	✓		
1.2	3000	19800	8	1142	✓	✓	✓	✓	✓		
1.4	3000	19800	7	988	✓	✓	✓	✓	✓	✓	
1.5	3000	19800	8	883	✓	✓	✓	✓	✓	✓	
1.8	3000	19800	8	748	✓	✓	✓	✓	✓	✓	
 3  2											
0.43	3000	19800	7	3244	✓	✓	✓				
0.48	3000	19800	7	2881	✓	✓	✓				
0.54	3000	19800	7	2576	✓	✓	✓				
0.63	3000	19800	7	2199	✓	✓	✓				
0.72	3000	19800	7	1930	✓	✓	✓	✓			
0.81	3000	19800	7	1709	✓	✓	✓				
0.93	3000	19800	7	1493	✓	✓	✓				
1	3000	19800	7	1300	✓	✓	✓	✓	✓	✓	
1.2	3000	19800	7	1148	✓	✓	✓	✓	✓		
1.3	3000	19800	7	1010	✓	✓	✓	✓	✓	✓	
1.5	3000	19800	7	887	✓	✓	✓	✓	✓		
1.7	3000	19800	7	780	✓	✓	✓	✓	✓	✓	
2	3000	19800	7	674	✓	✓	✓	✓	✓	✓	
2.2	3000	19800	7	609	✓	✓	✓	✓	✓	✓	
2.7	3000	19800	7	515	✓	✓	✓	✓	✓	✓	
3	3000	19800	7	452	✓	✓	✓	✓	✓	✓	
4	3000	19800	7	345	✓	✓	✓	✓	✓	✓	
4.6	3000	19800	7	300		✓	✓	✓	✓	✓	
5.6	3000	19800	8	249		✓	✓	✓	✓	✓	
 2  2											
2.1	3000	19800	7	662	✓	✓	✓				
2.3	3000	19800	7	592	✓	✓	✓				
2.6	3000	19800	7	519	✓	✓	✓	✓			
2.9	3000	19800	8	468	✓	✓	✓	✓			
3.5	3000	19800	7	398	✓	✓	✓	✓	✓		
4	3000	19800	7	350	✓	✓	✓	✓	✓	✓	
4.4	3000	19800	8	315	✓	✓	✓	✓	✓	✓	
4.9	3000	19800	7	281	✓	✓	✓	✓	✓	✓	
5.8	3000	19800	8	240	✓	✓	✓	✓	✓		
6.6	3000	19800	8	211	✓	✓	✓	✓	✓	✓	
7.2	3000	19800	8	193	✓	✓	✓	✓	✓		

F97, n _e = 1400 min ⁻¹												4300 Nm
n _a min ⁻¹	M _{amax} Nm	F _{Ra} N	Φ _(/R)	i	DRN 80M 90S	DRN 90L	DRN 100L 100LM 100LS	DRN 112M	DRN 132M 132S	DRN 132L 160L 160M	DRN 180L 180M	DRN 200L 225S
 3												
5	4300	29900	6	276.77	✓	✓	✓	✓				
5.5	4300	29900	6	253.41	✓	✓	✓	✓				
6.2	4300	29900	6	223.88	✓	✓	✓	✓	✓			

F97, $n_e = 1400 \text{ min}^{-1}$												4300 Nm
n_a min^{-1}	M_{amax} Nm	F_{Ra} N	$\Phi_{(R)}$	i	DRN 80M 90S	DRN 90L	DRN 100L 100LM 100LS	DRN 112M	DRN 132M 132S	DRN 132L 160L 160M	DRN 180L 180M	DRN 200L 225S
7.3	4300	29900	6	189.92	✓	✓	✓	✓	✓			
8	4300	29900	6	174.87	✓	✓	✓	✓	✓	✓		
8.9	4300	29900	6	156.30	✓	✓	✓	✓	✓	✓		
9.9	4300	29900	6	140.71	✓	✓	✓	✓	✓	✓	✓	
10	4300	29900	6	127.42	✓	✓	✓	✓	✓	✓	✓	
12	4300	29900	6	112.99	✓	✓	✓	✓	✓	✓	✓	✓
13	4300	29900	6	102.16			✓	✓	✓	✓	✓	✓
14	4300	29900	6	97.58	✓	✓	✓	✓	✓			
15	4300	29900	6	89.85	✓	✓	✓	✓	✓	✓		
16	4300	29900	6	86.59			✓	✓	✓	✓	✓	✓
17	4300	29900	6	80.31	✓	✓	✓	✓	✓	✓		
18	4300	29900	6	75.63					✓	✓	✓	✓
19	4300	29900	6	72.29	✓	✓	✓	✓	✓	✓	✓	
21	4300	29000	6	65.47	✓	✓	✓	✓	✓	✓	✓	
24	4300	27200	6	58.06	✓	✓	✓	✓	✓	✓	✓	✓
26	4300	25800	6	52.49			✓	✓	✓	✓	✓	✓
31	4300	23600	6	44.49			✓	✓	✓	✓	✓	✓
36	4300	21900	6	38.86					✓	✓	✓	✓
43	4300	19800	6	32.50					✓	✓	✓	✓



32	3070	27600	6	43.28	✓	✓	✓	✓	✓			
38	3070	25500	6	36.64	✓	✓	✓	✓	✓			
41	4300	20300	6	33.91	✓	✓	✓	✓	✓	✓		
46	4300	19000	6	30.39	✓	✓	✓	✓	✓	✓		
51	4300	17900	6	27.44*	✓	✓	✓	✓	✓	✓	✓	
56	4300	16800	6	24.92	✓	✓	✓	✓	✓	✓	✓	
63	4300	15600	6	22.11	✓	✓	✓	✓	✓	✓	✓	✓
69	4300	14600	6	20.07			✓	✓	✓	✓	✓	✓
81	4300	13200	6	17.25*			✓	✓	✓	✓	✓	✓
92	4300	11900	6	15.06					✓	✓	✓	✓
109	4300	10500	6	12.77					✓	✓	✓	✓
125	4100	10000	6	11.16					✓	✓	✓	✓
154	2360	13400	9	9.06	✓	✓	✓	✓	✓	✓	✓	✓
170	2360	12600	9	8.22			✓	✓	✓	✓	✓	✓
198	2360	11500	9	7.07			✓	✓	✓	✓	✓	✓
226	2250	11100	9	6.17					✓	✓	✓	✓
267	2150	10400	9	5.23					✓	✓	✓	✓
306	2050	9950	9	4.57					✓	✓	✓	✓
361	1800	9970	9	3.87						✓	✓	✓

F97R57, n _e = 1400 min ⁻¹										4300 Nm
n _a min ⁻¹	M _{amax} Nm	F _{Ra} N	Φ _(/R)	i	DRN 63M 63MS 71M 71MS 80MK 80MS	DRN 80M 90S	DRN 90L	DRN 100L 100LM 100LS	DRN 112M	DRN 132M 132S
 3  3										
0.04	4300	29900	6	29211	✓					
0.05	4300	29900	6	26911	✓					
0.05	4300	29900	6	23814	✓					

F97R57, $n_e = 1400 \text{ min}^{-1}$

n_a min^{-1}	M_{amax} Nm	F_{Ra} N	$\varphi_{(R)}$	i	DRN 63M 63MS 71M 71MS 80MK 80MS	DRN 80M 90S	DRN 90L	DRN 100L 100LM 100LS	DRN 112M	4300 Nm DRN 132M 132S
0.06	4300	29900	6	20813	✓	✓				
0.07	4300	29900	6	18119	✓	✓	✓			
0.09	4300	29900	6	15472	✓	✓	✓			
0.09	4300	29900	6	14022	✓	✓	✓	✓	✓	
0.11	4300	29900	6	12324	✓	✓	✓			
0.12	4300	29900	6	10838	✓	✓	✓			
0.14	4300	29900	6	9576	✓	✓	✓	✓		
0.16	4300	29900	6	8318	✓	✓	✓			
0.19	4300	29900	6	7328	✓	✓	✓			
0.21	4300	29900	6	6469	✓	✓	✓	✓	✓	
0.24	4300	29900	6	5615	✓	✓	✓			
0.28	4300	29900	6	4961	✓	✓	✓	✓		
0.32	4300	29900	6	4333	✓	✓	✓	✓		
 2  3										
0.22	4300	29900	6	6338	✓					
0.24	4300	29900	6	5680	✓					
0.27	4300	29900	6	5016	✓	✓				
0.32	4300	29900	6	4367	✓	✓	✓			
0.35	4300	29900	6	3914	✓	✓	✓			
0.41	4300	29900	6	3357	✓	✓	✓			
0.46	4300	29900	6	3009	✓	✓	✓			
0.57	4300	29900	6	2448	✓	✓	✓	✓	✓	
0.63	4300	29900	6	2199	✓	✓	✓			
0.71	4300	29900	6	1971	✓	✓	✓			
0.8	4300	29900	6	1741	✓	✓	✓	✓		
0.95	4300	29900	6	1468	✓	✓	✓	✓	✓	
1	4300	29900	6	1316	✓	✓	✓	✓	✓	
1.1	4300	29900	6	1189	✓	✓	✓	✓	✓	✓
1.3	4300	29900	6	1023	✓	✓	✓	✓	✓	✓
 3  2										
0.35	4300	29900	6	3906	✓	✓	✓			
0.41	4300	29900	6	3352	✓	✓	✓			
0.48	4300	29900	6	2907	✓	✓	✓	✓	✓	
0.54	4300	29900	6	2553	✓	✓	✓			
0.62	4300	29900	6	2245	✓	✓	✓			
0.71	4300	29900	6	1970	✓	✓	✓	✓		
0.81	4300	29900	7	1722	✓	✓	✓			
0.91	4300	29900	7	1527	✓	✓	✓			
1	4300	29900	6	1327	✓	✓	✓	✓	✓	✓
1.1	4300	29900	7	1171	✓	✓	✓			
1.3	4300	29900	7	1022	✓	✓	✓			
1.5	4300	29900	6	898	✓	✓	✓	✓	✓	✓
1.7	4300	29900	6	784	✓	✓	✓	✓	✓	
2	4300	29900	7	690	✓	✓	✓	✓	✓	✓
2.3	4300	29900	7	605	✓	✓	✓	✓	✓	✓
2.6	4300	29900	7	529	✓	✓	✓	✓	✓	✓
2.9	4300	29900	7	467	✓	✓	✓	✓	✓	✓
3.4	4300	29900	7	406	✓	✓	✓	✓	✓	✓
3.8	4300	29900	7	363	✓	✓	✓	✓	✓	✓

F97R57, n _e = 1400 min ⁻¹											4300 Nm
n _a min ⁻¹	M _{amax} Nm	F _{Ra} N	Φ _(/R)	i	DRN 63M 63MS 71M 71MS 80MK 80MS	DRN 80M 90S	DRN 90L	DRN 100L 100LM 100LS	DRN 112M	DRN 132M 132S	
4.9	4300	29900	7	285	✓	✓	✓	✓	✓	✓	
5.7	4300	29900	7	245	✓	✓	✓	✓	✓	✓	
6.7	4300	29900	7	208	✓	✓	✓	✓	✓	✓	
7.1	4300	29900	7	195		✓	✓	✓	✓	✓	
 2  2											
1.5	4300	29900	6	892	✓	✓	✓				
1.8	4300	29900	6	760	✓	✓	✓				
2	4300	29900	6	667	✓	✓	✓	✓			
2.4	4300	29900	6	569	✓	✓	✓	✓	✓		
2.7	4300	29900	6	510	✓	✓	✓	✓	✓		
2.9	4300	29900	6	473	✓	✓	✓	✓	✓	✓	
3.4	4300	29900	6	403	✓	✓	✓	✓	✓	✓	
3.8	4300	29900	6	361	✓	✓	✓	✓	✓	✓	
4.4	4300	29900	6	317	✓	✓	✓	✓	✓	✓	
5	4300	29900	6	275	✓	✓	✓	✓	✓		
5.7	4300	29900	6	242	✓	✓	✓	✓	✓	✓	

F107, n _e = 1400 min ⁻¹											7840 Nm
n _a min ⁻¹	M _{amax} Nm	F _{Ra} N	Φ _(/R)	i	DRN 100L 100LM 100LS	DRN 112M	DRN 132M 132S	DRN 132L 160L 160M	DRN 180L 180M	DRN 200L 225M 225S	DRN 250M 280M 280S
 3											
5.5	7680	49800	5	254.40*	✓	✓	✓				
6.5	7680	49800	5	215.37	✓	✓	✓				
7	7680	49800	5	199.31	✓	✓	✓	✓			
7.8	7680	49800	5	178.64	✓	✓	✓	✓			
8.6	7680	49800	5	161.28*	✓	✓	✓	✓	✓		
9.5	7680	49800	5	146.49	✓	✓	✓	✓	✓		
10	7680	49800	5	129.97	✓	✓	✓	✓	✓	✓	
11	7680	49800	5	117.94	✓	✓	✓	✓	✓	✓	
13	7680	49800	5	101.38*	✓	✓	✓	✓	✓	✓	✓
15	7680	49800	6	92.47*	✓	✓	✓	✓	✓		
15	7680	49800	5	88.49			✓	✓	✓	✓	✓
16	7680	49800	6	83.99	✓	✓	✓	✓	✓		
18	7680	49800	6	74.52	✓	✓	✓	✓	✓	✓	
20	7680	49800	6	67.62	✓	✓	✓	✓	✓	✓	
24	7680	47800	6	58.12*	✓	✓	✓	✓	✓	✓	✓
27	7680	45100	6	50.73			✓	✓	✓	✓	✓
32	7680	42000	6	43.03			✓	✓	✓	✓	✓
37	7680	39500	6	37.61			✓	✓	✓	✓	✓
44	7680	36500	6	31.80				✓	✓	✓	✓
 2											
41	7400	38300	5	33.79*	✓	✓	✓	✓	✓		
50	7840	33300	5	27.57	✓	✓	✓	✓	✓	✓	
55	7840	31500	5	25.14	✓	✓	✓	✓	✓	✓	
64	7840	28800	5	21.76*	✓	✓	✓	✓	✓	✓	✓
72	7840	26500	5	19.20*			✓	✓	✓	✓	✓

F107, $n_e = 1400 \text{ min}^{-1}$											7840 Nm
n_a min^{-1}	M_{amax} Nm	F_{Ra} N	$\varphi_{(R)}$	i	DRN 100L 100LM 100LS	DRN 112M	DRN 132M 132S	DRN 132L 160L 160M	DRN 180L 180M	DRN 200L 225M 225S	DRN 250M 280M 280S
84	7840	23900	5	16.58			✓	✓	✓	✓	✓
95	7680	22400	5	14.67			✓	✓	✓	✓	✓
113	7000	22600	5	12.33				✓	✓	✓	✓
140	6500	21500	5	9.96					✓	✓	✓
144	4910	23500	7	9.69			✓	✓	✓	✓	✓
167	4800	22000	7	8.37			✓	✓	✓	✓	✓
189	4600	21300	7	7.40			✓	✓	✓	✓	✓
225	4600	19000	7	6.22				✓	✓	✓	✓
278	4600	16400	7	5.03					✓	✓	✓
F107R77, $n_e = 1400 \text{ min}^{-1}$											7840 Nm
n_a min^{-1}	M_{amax} Nm	F_{Ra} N	$\varphi_{(R)}$	i	DRN 63M 63MS 71M 71MS 80MK 80MS	DRN 80M 90S	DRN 90L	DRN 100L 100LM 100LS	DRN 112M	DRN 132M 132S	DRN 132L 160L 160M
 3  3											
0.05	7680	49800	6	25375	✓						
0.06	7680	49800	6	21652	✓	✓					
0.07	7680	49800	6	18933	✓	✓	✓				
0.08	7680	49800	6	16888	✓	✓					
0.09	7680	49800	6	14767	✓	✓	✓				
0.12	7680	49800	6	11348	✓						
0.13	7680	49800	6	10039	✓	✓	✓	✓	✓	✓	
0.16	7680	49800	6	8548	✓	✓	✓	✓	✓	✓	
0.18	7680	49800	6	7674	✓	✓	✓	✓	✓		
0.2	7680	49800	6	6767	✓	✓	✓	✓	✓		
0.23	7680	49800	6	5954	✓	✓	✓	✓	✓	✓	
0.26	7680	49800	6	5223	✓	✓	✓	✓	✓	✓	
0.3	7680	49800	6	4567	✓	✓	✓	✓			
0.35	7680	49800	6	3948	✓	✓	✓	✓	✓	✓	✓
0.39	7680	49800	6	3521	✓	✓	✓	✓	✓		
 2  3											
0.26	7840	49400	6	5383	✓						
0.3	7840	49400	6	4593	✓	✓					
0.34	7840	49400	6	4016	✓	✓	✓				
0.36	7840	49400	6	3815	✓	✓	✓				
0.41	7840	49400	6	3347	✓	✓	✓	✓			
0.49	7840	49400	6	2839	✓	✓	✓	✓	✓		
0.54	7840	49400	6	2563	✓	✓	✓	✓	✓		
0.62	7840	49400	6	2255	✓	✓	✓	✓	✓	✓	
0.77	7840	49400	6	1813	✓	✓	✓	✓	✓	✓	
0.88	7840	49400	6	1590	✓	✓	✓	✓	✓		
0.97	7840	49400	6	1436	✓	✓	✓	✓	✓		
1.1	7840	49400	6	1263	✓	✓	✓	✓	✓	✓	
1.1	7840	49400	6	1193	✓	✓	✓	✓	✓	✓	
1.3	7840	49400	6	1015	✓	✓	✓	✓	✓	✓	
1.5	7840	49400	6	923	✓	✓	✓	✓	✓	✓	✓
1.7	7840	49400	6	800	✓	✓	✓	✓	✓	✓	✓
2	7840	49400	6	696		✓	✓	✓	✓	✓	✓

F107R77, n _e = 1400 min ⁻¹											7840 Nm
n _a min ⁻¹	M _{amax} Nm	F _{Ra} N	Φ _(/R)	i	DRN 63M 63MS 71M 71MS 80MK 80MS	DRN 80M 90S	DRN 90L	DRN 100L 100LM 100LS	DRN 112M	DRN 132M 132S	DRN 132L 160L 160M
 3  2											
0.46	7680	49800	6	3037	✓	✓	✓	✓	✓		
0.5	7680	49800	6	2756	✓	✓	✓	✓	✓		
0.59	7680	49800	6	2369	✓	✓	✓	✓	✓		
0.67	7680	49800	6	2068	✓	✓	✓	✓	✓		
0.76	7680	49800	6	1826	✓	✓	✓	✓	✓	✓	✓
0.87	7680	49800	6	1597	✓	✓	✓	✓	✓		
0.99	7680	49800	6	1401	✓	✓	✓	✓	✓	✓	
1.1	7680	49800	6	1243	✓	✓	✓	✓	✓	✓	✓
1.2	7680	49800	6	1087	✓	✓	✓	✓	✓		
1.4	7680	49800	6	950	✓	✓	✓	✓	✓	✓	✓
1.6	7680	49800	6	834	✓	✓	✓	✓	✓	✓	✓
1.9	7680	49800	6	736		✓	✓	✓	✓	✓	✓
2.1	7680	49800	6	640	✓	✓	✓	✓	✓	✓	
2.5	7680	49800	6	560		✓	✓	✓	✓	✓	✓
2.8	7680	49800	6	489		✓	✓	✓	✓	✓	✓
3.2	7680	49800	6	436	✓	✓	✓	✓	✓	✓	
3.7	7680	49800	6	370	✓	✓	✓	✓	✓	✓	
4.2	7680	49800	6	333	✓	✓	✓	✓	✓	✓	✓
4.8	7680	49800	6	291	✓	✓	✓	✓	✓	✓	✓
5.4	7680	49800	6	255	✓	✓	✓	✓	✓	✓	✓
6.2	7680	49800	6	225		✓	✓	✓	✓	✓	✓
7.3	7680	49800	6	190		✓	✓	✓	✓	✓	✓
 2  2											
2.1	7840	49400	6	644	✓	✓	✓	✓	✓		
2.3	7840	49400	6	591	✓	✓	✓	✓	✓		
2.7	7840	49400	6	518	✓	✓	✓	✓	✓	✓	
2.8	7840	49400	6	491	✓	✓	✓	✓	✓	✓	
3.2	7840	49400	6	430	✓	✓	✓	✓	✓	✓	
3.6	7840	49400	6	387	✓	✓	✓	✓	✓	✓	✓
4.1	7840	49400	6	340	✓	✓	✓	✓	✓	✓	✓
4.6	7840	49400	6	300		✓	✓	✓	✓	✓	✓
5.2	7840	49400	6	266		✓	✓	✓	✓	✓	✓
F127, n _e = 1400 min ⁻¹											12000 Nm
n _a min ⁻¹	M _{amax} Nm	F _{Ra} N	Φ _(/R)	i	DRN 132M 132S	DRN 132L 160L 160M	DRN 180L 180M	DRN 200L 225M 225S	DRN 250M 280M 280S	DRN 315S	
 3											
8.1	12000	90000	5	170.83	✓	✓					
9.1	12000	90000	5	153.67*	✓	✓	✓				
11	12000	90000	5	125.37	✓	✓	✓	✓			
12	12000	88000	5	114.34	✓	✓	✓	✓			
14	12000	83000	5	98.95	✓	✓	✓	✓	✓		
16	12000	79000	5	87.31*	✓	✓	✓	✓	✓		
18	12000	74300	5	75.41*	✓	✓	✓	✓	✓	✓	
19	12000	72100	5	70.07	✓	✓	✓	✓			

F127, $n_e = 1400 \text{ min}^{-1}$

n_a min^{-1}	M_{amax} Nm	F_{Ra} N	$\varphi_{(R)}$	i	DRN 132M 132S	DRN 132L 160L 160M	DRN 180L 180M	DRN 200L 225M 225S	DRN 250M 280M 280S	12000 Nm DRN 315S
21	12000	69400	5	63.91	✓	✓	✓	✓		
25	12000	65200	5	55.31	✓	✓	✓	✓	✓	
28	12000	61300	5	48.80	✓	✓	✓	✓	✓	
33	12000	56800	5	42.15	✓	✓	✓	✓	✓	✓
37	12000	53200	5	37.28	✓	✓	✓	✓	✓	✓
44	12000	48300	5	31.33		✓	✓	✓	✓	✓
55	12000	42400	5	25.30			✓	✓	✓	✓
 2										
52	8500	55300	5	26.86	✓	✓	✓	✓		
56	8500	53300	5	24.57	✓	✓	✓	✓		
65	12000	38000	5	21.38	✓	✓	✓	✓	✓	
74	11000	38800	5	18.87	✓	✓	✓	✓	✓	
85	11000	35400	5	16.36	✓	✓	✓	✓	✓	✓
96	11000	32600	5	14.55	✓	✓	✓	✓	✓	✓
111	10000	33300	5	12.54		✓	✓	✓	✓	✓
137	9500	30900	5	10.19			✓	✓	✓	✓
158	7000	36400	6	8.86	✓	✓	✓	✓	✓	✓
177	6000	37000	6	7.88	✓	✓	✓	✓	✓	✓
205	7000	32200	7	6.80		✓	✓	✓	✓	✓
253	6000	31700	7	5.52			✓	✓	✓	✓
299	6000	29500	7	4.68				✓	✓	✓

F127R77, $n_e = 1400 \text{ min}^{-1}$

n_a min^{-1}	M_{amax} Nm	F_{Ra} N	$\varphi_{(R)}$	i	DRN 63M 63MS 71M 71MS 80MK 80MS	DRN 80M 90S	DRN 90L	DRN 100L 100LM 100LS	DRN 112M	DRN 132M 132S	12000 Nm DRN 132L 160L 160M
 3  3											
0.05	12000	90000	5	24478	✓						
0.06	12000	90000	5	22323	✓						
0.07	12000	90000	5	19048	✓	✓					
0.08	12000	90000	5	16656	✓	✓	✓				
0.09	12000	90000	5	14722	✓						
0.1	12000	90000	5	12912	✓	✓	✓	✓	✓		
0.12	12000	90000	5	11656	✓	✓	✓	✓	✓		
0.13	12000	90000	5	10191	✓	✓	✓	✓	✓		
0.15	12000	90000	5	8831	✓	✓	✓	✓	✓	✓	
0.18	12000	90000	5	7643	✓	✓	✓	✓	✓	✓	
0.2	12000	90000	5	6715	✓	✓	✓	✓			
0.23	12000	90000	6	5925	✓	✓	✓	✓			
0.27	12000	90000	5	5153	✓	✓	✓	✓	✓		
0.3	12000	90000	5	4533	✓	✓	✓	✓	✓	✓	
0.35	12000	90000	5	3926	✓	✓	✓	✓	✓		
0.4	12000	90000	5	3454	✓	✓	✓	✓	✓	✓	
0.46	12000	90000	5	3031	✓	✓	✓	✓	✓	✓	
 3  2											
0.52	12000	90000	5	2672	✓	✓	✓	✓	✓		
0.59	12000	90000	5	2357	✓	✓	✓	✓	✓	✓	

F127R77, n _e = 1400 min ⁻¹											12000 Nm
n _a min ⁻¹	M _{amax} Nm	F _{Ra} N	φ _(/R)	i	DRN 63M 63MS 71M 71MS 80MK 80MS	DRN 80M 90S	DRN 90L	DRN 100L 100LM 100LS	DRN 112M	DRN 132M 132S	DRN 132L 160L 160M
0.68	12000	90000	5	2038	✓	✓	✓	✓	✓	✓	
0.78	12000	90000	5	1784	✓	✓	✓	✓	✓	✓	
0.87	12000	90000	5	1606	✓	✓	✓	✓	✓	✓	✓
1	12000	90000	5	1390	✓	✓	✓	✓	✓	✓	✓
1.1	12000	90000	5	1220	✓	✓	✓	✓	✓	✓	✓
1.2	12000	90000	5	1077	✓	✓	✓	✓	✓	✓	
1.5	12000	90000	5	930	✓	✓	✓	✓	✓	✓	✓
1.7	12000	90000	5	820		✓	✓	✓	✓	✓	✓
1.9	12000	90000	5	727		✓	✓	✓	✓	✓	✓
2.1	12000	90000	5	648	✓	✓	✓	✓	✓	✓	
2.5	12000	90000	5	549	✓	✓	✓	✓	✓	✓	
2.8	12000	90000	5	495	✓	✓	✓	✓	✓	✓	✓
3.2	12000	90000	6	428	✓	✓	✓	✓	✓	✓	✓
3.7	12000	90000	6	376	✓	✓	✓	✓	✓	✓	✓

F127R87, $n_e = 1400 \text{ min}^{-1}$												12000 Nm
n_a min^{-1}	M_{amax} Nm	F_{Ra} N	$\varphi_{(r)}$	i	DRN 80M 90S	DRN 90L	DRN 100L 100LM 100LS	DRN 112M	DRN 132M 132S	DRN 132L 160L 160M	DRN 180L 180M	DRN 200L
 3  2												
2.8	12000	90000	5	483			✓	✓	✓	✓	✓	✓
3.3	12000	90000	6	418	✓	✓	✓	✓	✓	✓	✓	✓
3.7	12000	90000	6	374			✓	✓	✓	✓	✓	✓
4.4	12000	90000	6	312			✓	✓	✓	✓	✓	✓
4.7	12000	90000	5	293			✓	✓	✓	✓	✓	✓
5.4	12000	90000	6	259			✓	✓	✓	✓	✓	✓
7	12000	90000	6	198			✓	✓	✓	✓	✓	✓
8.4	12000	90000	6	166			✓	✓	✓	✓	✓	✓

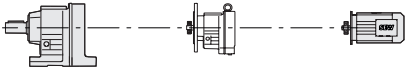
F157, n _e = 1400 min ⁻¹										20000 Nm
n _a min ⁻¹	M _{amax} Nm	F _{Ra} N	φ _(/R)	i	DRN 132L 160L 160M	DRN 180L 180M	DRN 200L 225M 225S	DRN 250M 280M 280S	DRN 315M 315S	DRN 315H 315L
 3										
5.2	20000	93800	5	267.43	✓					
6.4	20000	93800	5	217.62*	✓	✓				
7.8	20000	93800	5	178.20*	✓	✓	✓			
8.5	20000	93800	5	162.96	✓	✓	✓			
9.8	20000	93800	5	141.80*	✓	✓	✓	✓		
11	20000	93800	5	125.14	✓	✓	✓	✓		
12	20000	93800	5	108.49	✓	✓	✓	✓	✓	
14	20000	93800	5	96.53*	✓	✓	✓	✓	✓	
16	20000	91800	5	85.80*	✓	✓	✓			
17	20000	88300	5	78.46	✓	✓	✓			
20	20000	83000	5	68.28*	✓	✓	✓	✓		
23	20000	78500	5	60.25	✓	✓	✓	✓		
26	20000	73600	5	52.24	✓	✓	✓	✓	✓	

F157, n _e = 1400 min ⁻¹											20000 Nm	
n _a min ⁻¹	M _{amax} Nm	F _{Ra} N	Φ _(/R)	i	DRN 132L 160L 160M	DRN 180L 180M	DRN 200L 225M 225S	DRN 250M 280M 280S	DRN 315M 315S	DRN 315H 315L		
30	20000	69600	5	46.48*	✓	✓	✓	✓	✓			
34	20000	64900	5	40.06	✓	✓	✓	✓	✓	✓		
43	20000	58500	5	32.55		✓	✓	✓	✓	✓		
50	20000	53800	5	27.60			✓	✓	✓	✓		
 2												
26	11000	92400	4	53.55	✓							
31	11900	84000	4	43.94*	✓	✓						
39	13600	74100	4	35.75*	✓	✓	✓					
48	19100	56600	4	28.60*	✓	✓	✓	✓				
55	20000	51500	4	25.43	✓	✓	✓	✓				
63	19900	48000	4	22.16	✓	✓	✓	✓	✓			
70	19400	46100	4	19.77	✓	✓	✓	✓	✓			
83	18700	43500	5	16.85	✓	✓	✓	✓	✓	✓		
100	17900	40700	5	13.96		✓	✓	✓	✓	✓		
117	17300	38300	5	11.92			✓	✓	✓	✓		

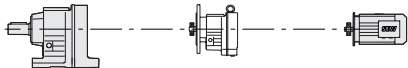
F157R97, n _e = 1400 min ⁻¹													20000 Nm	
n _a min ⁻¹	M _{amax} Nm	F _{Ra} N	Φ _(/R)	i	DRN 71M 71MS 80MK 80MS	DRN 80M 90S	DRN 90L	DRN 100L 100LM 100LS	DRN 112M	DRN 132M 132S	DRN 132L 160L 160M	DRN 180L 180M	DRN 200L 225S	
 3  3														
0.04	20000	93800	5	31434	✓	✓								
0.05	20000	93800	5	26173	✓	✓	✓							
0.05	20000	93800	5	23464	✓	✓	✓	✓						
0.06	20000	93800	5	20212	✓	✓	✓	✓	✓					
0.07	20000	93800	5	17984	✓	✓	✓	✓	✓					
0.08	20000	93800	5	16358	✓	✓	✓	✓	✓	✓				
0.1	20000	93800	5	13751	✓	✓	✓	✓	✓	✓				
0.11	20000	93800	5	12235	✓	✓	✓	✓	✓	✓				
0.13	20000	93800	5	10033		✓	✓	✓	✓	✓	✓	✓		
0.15	20000	93800	5	9021		✓	✓	✓	✓	✓	✓	✓		
0.17	20000	93800	5	8026		✓	✓	✓	✓	✓	✓	✓		
0.19	20000	93800	5	7075	✓	✓	✓	✓	✓	✓				
0.22	20000	93800	5	6295	✓	✓	✓	✓	✓	✓				
0.25	20000	93800	5	5404	✓	✓	✓	✓	✓	✓	✓			
0.28	20000	93800	5	4831		✓	✓	✓	✓	✓	✓	✓		
0.33	20000	93800	5	4130		✓	✓	✓	✓	✓	✓	✓		
0.38	20000	93800	5	3607				✓	✓	✓	✓	✓	✓	
0.43	20000	93800	5	3210				✓	✓	✓	✓	✓	✓	
0.5	20000	93800	5	2780	✓	✓	✓	✓	✓	✓	✓			
0.97	20000	93800	5	1441				✓	✓	✓	✓	✓	✓	
 3  2														
0.57	20000	93800	5	2427	✓	✓	✓	✓	✓	✓	✓			
0.64	20000	93800	5	2185		✓	✓	✓	✓	✓	✓	✓		
0.72	20000	93800	5	1944		✓	✓	✓	✓	✓	✓	✓		
0.83	20000	93800	5	1674	✓	✓	✓	✓	✓	✓				
1	20000	93800	5	1308	✓	✓	✓	✓	✓	✓	✓			
1.1	20000	93800	5	1169	✓	✓	✓	✓	✓	✓	✓			

F157R97, n _e = 1400 min ⁻¹													20000 Nm
n _a min ⁻¹	M _{amax} Nm	F _{Ra} N	φ _(/R)	i	DRN 71M 71MS 80MK 80MS	DRN 80M 90S	DRN 90L	DRN 100L 100LM 100LS	DRN 112M	DRN 132M 132S	DRN 132L 160L 160M	DRN 180L 180M	DRN 200L 225S
1.4	20000	93800	5	953		✓	✓	✓	✓	✓	✓	✓	
1.6	20000	93800	5	845		✓	✓	✓	✓	✓	✓	✓	✓
1.8	20000	93800	5	764				✓	✓	✓	✓	✓	✓
2	20000	93800	5	680				✓	✓	✓	✓	✓	✓
2.4	20000	93800	5	576				✓	✓	✓	✓	✓	✓
2.7	20000	93800	5	503						✓	✓	✓	✓
3.1	20000	93800	5	446		✓	✓	✓	✓	✓	✓	✓	✓
3.9	20000	93800	5	353						✓	✓	✓	✓
4.6	20000	93800	5	302		✓	✓	✓	✓	✓	✓	✓	✓
5.1	20000	93800	5	273				✓	✓	✓	✓	✓	✓
6	20000	93800	5	232				✓	✓	✓	✓	✓	✓
6.9	20000	93800	5	202						✓	✓	✓	✓
7.1	20000	93800	5	197				✓	✓	✓	✓	✓	✓

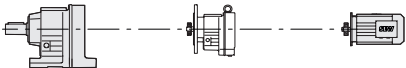
4.3.2 Selection tables F..DRN.. in kW

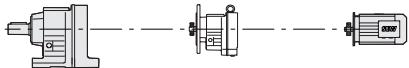
P_N = 0.12 kW								
n_a min⁻¹	M_a Nm	i	F_{Ra} N	SEW f_B				m kg
0.06	13900	22323	86700	0.85	FA127 FAF127 F127 FF127	R77	DRN63MS4	
0.07	11900	19048	90000	1.00				425
0.08	10400	16656	90000	1.15				465
0.09	9180	14722	90000	1.30				460
0.11	8000	12912	90000	1.50				510
0.12	7050	11656	90000	1.70				
0.14	6310	10191	90000	1.90				
0.09	9210	14767	45500	0.85	FA107 FAF107 F107 FF107	R77	DRN63MS4	
0.12	7080	11348	51400	1.10				
0.14	5750	10039	54600	1.35				
0.16	4680	8548	57000	1.65				275
0.18	4750	7674	56800	1.60				295
0.20	4090	6767	58200	1.90				290
0.23	3470	5954	59500	2.2				320
0.26	2990	5223	60400	2.6				
0.30	2850	4567	60700	2.7				
0.39	2130	3521	62000	3.6				
0.21	4150	6469	30300	1.05	FA97 FAF97 F97 FF97	R57	DRN63MS4	185
0.25	3820	5615	31300	1.15				205
0.28	3320	4961	32500	1.30				190
0.32	2900	4333	33500	1.50				225
0.35	2690	3906	34000	1.60	FA97 FAF97 F97 FF97	R57	DRN63MS4	185
0.41	2320	3352	34800	1.85				205
0.47	1920	2907	35500	2.2				190
0.54	1760	2553	35800	2.4				225
0.33	2770	4245	23800	1.10	FA87 FAF87 F87 FF87	R57	DRN63MS4	120
0.37	2220	3721	25800	1.35				130
0.43	2250	3244	25700	1.35	FA87 FAF87 F87 FF87	R57	DRN63MS4	
0.48	1990	2881	26500	1.50				
0.54	1780	2576	27100	1.70				115
0.63	1520	2199	27800	2.0				130
0.72	1310	1930	28300	2.3				125
0.81	1180	1709	28600	2.6				140
0.92	1030	1493	28900	2.9				
1.1	820	1300	29300	3.7				
1.2	745	1148	29500	4.0				
0.53	1820	2613	13000	0.80	FA77 FAF77 F77 FF77	R37	DRN63MS4	66
0.60	1570	2284	15200	0.95				72
0.68	1390	2029	16400	1.10				69
0.80	1180	1728	17500	1.25	FA77 FAF77 F77 FF77	R37	DRN63MS4	
0.89	1090	1544	17900	1.40				
1.0	960	1354	18500	1.55				65
1.2	850	1200	18800	1.75				72
1.3	745	1053	19100	2.0				69
1.5	635	910	19400	2.4				80
1.7	530	810	19600	2.8				
1.9	465	710	19800	3.2				

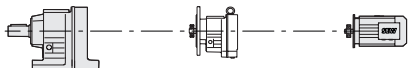
P_N = 0.12 kW

n_a min⁻¹	M_a Nm	i	F_{Ra} N	SEW f_B				m kg
1.7	555	809	7910	0.80	FA47 FAF47 F47 FF47	R17	DRN63MS4	24 27 25 28
6.3 8.0 9.1 11	155 119 104 87	221 172 153 130	4500 4500 4500 4500	0.85 1.10 1.25 1.50	FA27 FAF27 F27 FF27	R17	DRN63MS4	13 14 14 15
6.5 7.4 9.7 11 13 14	150 131 102 88 77 67	211 186 142 124 109 96	4500 4500 4500 4500 4500 4500	0.85 1.00 1.25 1.45 1.70 1.95	FA27 FAF27 F27 FF27	R17	DRN63MS4	13 14 14 14 14
7.9 9.2 9.9 11	145 125 116 102	109.90 94.76 88.32 77.21	4500 4500 4500 4500	0.90 1.05 1.10 1.30	FA27 FAF27 F27 FF27	-	DRN63M6	11 12 11 12
9.8 11 13 15 16 18 19 22 24 28 30 34 36 41	117 107 91 79 73 64 60 53 47 42 39 34 32 28	140.74 129.09 109.90 94.76 88.32 77.21 72.37 63.86 56.62 50.19 46.78 40.89 38.33 33.83	4500 4500 4500 4500 4500 4500 4500 4500 4500 4500 4500 4500 4430 4270	1.10 1.20 1.40 1.65 1.75 2.0 2.2 2.5 2.8 3.1 3.4 3.8 4.1 4.6	FA27 FAF27 F27 FF27	-	DRN63MS4	10 11 11 11
47 51 59 68 73 85 100 112 131 140 147 170 200 224 262 280 332	25 23 19 17 16 14 11 10 8.8 8.2 7.8 6.8 5.7 5.1 4.4 4.1 3.5	29.56 27.18 23.25 20.15 18.84 16.28 13.84 12.35 10.55 9.88 9.40 8.13 6.91 6.17 5.27 4.93 4.16	4100 4000 3820 3650 3580 3420 3250 3140 2990 2930 2870 2740 2600 2510 2390 2340 2210	5.3 5.8 6.7 7.8 8.3 9.6 11 12 14 15 16 18 19 21 22 23 25	FA27 FAF27 F27 FF27	-	DRN63MS4	9.8 11 10 11

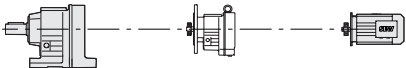
P_N = 0.18 kW

n_a min⁻¹	M_a Nm	i	F_{Ra} N	SEW f_B				m kg
0.11	13000	12912	88400	0.90	FA127 FAF127 F127 FF127	R77	DRN63M4	
0.12	11600	11656	90000	1.05				425
0.13	10300	10191	90000	1.15				465
0.16	8510	8831	90000	1.40				465
0.18	7360	7643	90000	1.65				510
0.20	6810	6715	90000	1.75				
0.16	8020	8548	48900	0.95	FA107 FAF107 F107 FF107	R77	DRN63M4	
0.18	7750	7674	49600	1.00				275
0.20	6740	6767	52200	1.15				295
0.23	5790	5954	54500	1.35				290
0.26	5030	5223	56200	1.55				320
0.30	4630	4567	57100	1.65				
0.39	3500	3521	59400	2.2				
0.45	3110	3037	60200	2.5	FA107 FAF107 F107 FF107	R77	DRN63M4	275
0.50	2820	2756	60700	2.7				295
0.58	2420	2369	61400	3.2				290
0.66	2110	2068	62000	3.6				320
0.32	4590	4333	29000	0.95	FA97 FAF97 F97 FF97	R57	DRN63M4	185
								205
								190
								225
0.35	4230	3906	30100	1.00	FA97 FAF97 F97 FF97	R57	DRN63M4	
0.41	3650	3352	31700	1.20				
0.47	3070	2907	33200	1.40				
0.54	2770	2553	33800	1.55				185
0.61	2430	2245	34500	1.75				205
0.70	2110	1970	35200	2.0				190
0.80	1870	1722	35600	2.3				225
0.90	1660	1527	36000	2.6				
1.0	1360	1327	36500	3.2				
1.2	1270	1171	36600	3.4				
0.53	2800	2576	23700	1.05	FA87 FAF87 F87 FF87	R57	DRN63M4	
0.63	2380	2199	25200	1.25				
0.71	2070	1930	26200	1.45				
0.80	1850	1709	26900	1.60				120
0.92	1620	1493	27500	1.85				130
1.1	1330	1300	28200	2.3				125
1.2	1200	1148	28500	2.5				140
1.4	1040	1010	28900	2.9				
1.6	930	887	29100	3.2				
1.8	800	780	29400	3.8				
0.89	1700	1544	14200	0.90	FA77 FAF77 F77 FF77	R37	DRN63M4	
1.0	1490	1354	15800	1.00				
1.2	1320	1200	16800	1.15				66
1.3	1160	1053	17600	1.30				73
1.5	990	910	18300	1.50				70
1.7	850	810	18800	1.75				81
1.9	745	710	19100	2.0				
2.2	665	615	19400	2.3				
2.9	520	475	8130	0.85	FA47 FAF47 F47 FF47	R17	DRN63M4	25
								28
								26
								29

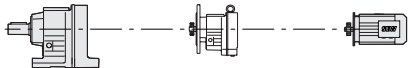
P_N = 0.18 kW								
n_a min⁻¹	M_a Nm	i	F_{Ra} N	SEW f_B				m kg
2.8	550	489	7950	0.80	FA47	R17	DRN63M4	24
					FAF47			27
					F47			25
					FF47			28
9.7	159	142	4500	0.80	FA27	R17	DRN63M4	14
11	138	124	4500	0.95	FAF27			15
13	120	109	4500	1.10	F27			14
14	105	96	4500	1.25	FF27			15
3.3	530	281.71	19600	2.8	FA77	-	DRN71MS6	57
3.5	495	262.93	19700	3.0	FAF77			64
4.1	425	225.79	19800	3.5	F77			61
					FF77			72
13	137	109.90	4500	0.95	FA27 FAF27 F27 FF27	-	DRN63M4	11
15	118	94.76	4500	1.10				
16	110	88.32	4500	1.20				
18	97	77.21	4500	1.35				
19	90	72.37	4500	1.45				
22	80	63.86	4500	1.65				
24	71	56.62	4500	1.85				
27	63	50.19	4500	2.1				
29	58	46.78	4500	2.2				
34	51	40.89	4370	2.5				
36	48	38.33	4290	2.7				
41	42	33.83	4150	3.1				
47	37	29.56	4000	3.5	FA27 FAF27 F27 FF27	-	DRN63M4	11
51	34	27.18	3900	3.8				
59	29	23.25	3730	4.5				
68	25	20.15	3580	5.2				
73	24	18.84	3510	5.5				
84	20	16.28	3370	6.4				
99	17	13.84	3200	7.5				
111	15	12.35	3100	8.4				
130	13	10.55	2950	9.9				
139	12	9.88	2890	10				
146	12	9.40	2840	11				
169	10	8.13	2710	12				
199	8.6	6.91	2580	13				
223	7.7	6.17	2490	14				
261	6.6	5.27	2370	15				
279	6.2	4.93	2320	15				
331	5.2	4.16	2200	16				

P_N = 0.25 kW								
n_a min⁻¹	M_a Nm	i	F_{Ra} N	SEW f_B				m kg
0.08 0.09	22600 20500	17984 16358	74600 91900	0.90 0.95	FA157	R97	DRN71MS4	770
					FAF157			820
					F157			790
					FF157			890
0.16	12200	8831	90000	1.00	FA127 FAF127 F127 FF127	R77	DRN71MS4	425
0.18	10500	7643	90000	1.15				465
0.21	9610	6715	90000	1.25				465
0.24	8480	5925	90000	1.40				510
0.27	7280	5153	90000	1.65				
0.31	6300	4533	90000	1.90				

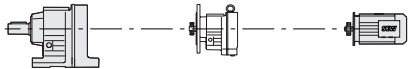
P_N = 0.25 kW

n_a min⁻¹	M_a Nm	i	F_{Ra} N	SEW f_B				m kg
0.24	8270	5954	48200	0.95	FA107	R77	DRN71MS4	275
0.27	7210	5223	51000	1.05	FAF107			295
0.31	6540	4567	52700	1.15	F107			295
0.40	4970	3521	56400	1.55	FF107			320
0.46	4390	3037	57600	1.75	FA107 FAF107 F107 FF107	R77	DRN71MS4	275
0.51	3980	2756	58500	1.95				295
0.59	3420	2369	59600	2.2				290
0.68	2990	2068	60400	2.6				320
0.88	2280	1597	61700	3.4				
1.0	1970	1401	62200	3.9				
0.48	4300	2907	29900	1.00	FA97 FAF97 F97 FF97	R57	DRN71MS4	185
0.55	3850	2553	31200	1.10				205
0.63	3380	2245	32400	1.25				190
0.71	2950	1970	33400	1.45				225
0.82	2600	1722	34200	1.65				
0.92	2310	1527	34800	1.85				
1.1	1920	1327	35500	2.2				
1.2	1770	1171	35800	2.4				
1.4	1540	1022	36200	2.8				
0.73	2890	1930	23400	1.05	FA87 FAF87 F87 FF87	R57	DRN71MS4	120
0.82	2580	1709	24500	1.15				130
0.94	2250	1493	25600	1.35				125
1.1	1880	1300	26800	1.60				140
1.2	1680	1148	27300	1.80				
1.4	1460	1010	27900	2.1				
1.6	1300	887	28300	2.3				
1.8	1130	780	28700	2.7				
2.1	960	674	29100	3.1				
1.3	1600	1053	15000	0.95	FA77 FAF77 F77 FF77	R37	DRN71MS4	67
1.5	1380	910	16500	1.10				73
1.7	1190	810	17500	1.25				71
2.0	1040	710	18100	1.45				81
2.3	920	615	18600	1.65				
2.6	810	538	19000	1.85				
2.9	715	480	19200	2.1				
3.4	605	413	19500	2.5				
3.3	735	281.71	19200	2.0	FA77 FAF77 F77 FF77	-	DRN71M6	59
3.5	685	262.93	19300	2.2				65
4.1	590	225.79	19500	2.6				63
4.6	515	198.31	19700	2.9				73
4.9	490	188.40	19700	3.1				
18	131	77.21	4500	1.00	FA27 FAF27 F27 FF27	-	DRN71MS4	11
19	123	72.37	4500	1.05				12
22	109	63.86	4500	1.20				12
25	96	56.62	4480	1.35				13
28	85	50.19	4370	1.50				
30	79	46.78	4300	1.65				
34	69	40.89	4170	1.85				
37	65	38.33	4100	2.0				
42	57	33.83	3980	2.3				

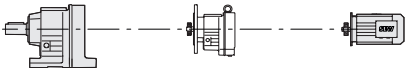
P_N = 0.25 kW

n_a min⁻¹	M_a Nm	i	F_{Ra} N	SEW f_B				m kg
48	50	29.56	3850	2.6	FA27 FAF27 F27 FF27	-	DRN71MS4	11 12 12 13
52	46	27.18	3770	2.8				
60	40	23.25	3610	3.3				
70	34	20.15	3480	3.8				
75	32	18.84	3410	4.1				
86	28	16.28	3270	4.7				
102	24	13.84	3130	5.5				
114	21	12.35	3020	6.2				
133	18	10.55	2890	7.3				
142	17	9.88	2830	7.7				
149	16	9.40	2770	8.1				
173	14	8.13	2660	8.9				
203	12	6.91	2530	9.7				
228	10	6.17	2440	10				
267	9	5.27	2330	11				
285	8.4	4.93	2280	11				
338	7.1	4.16	2160	12				

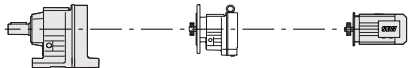
P_N = 0.37 kW

n_a min⁻¹	M_a Nm	i	F_{Ra} N	SEW f_B				m kg
0.21	14600	6715	85400	0.80	FA127 FAF127 F127 FF127	R77	DRN71M4	430 465 465 510
0.24	12900	5925	88700	0.95				
0.27	11100	5153	90000	1.10				
0.31	9660	4533	90000	1.25				
0.36	8460	3926	90000	1.40				
0.41	7360	3454	90000	1.65				
0.47	6430	3031	90000	1.85	FA107 FAF107 F107 FF107	R77	DRN71M4	275 295 295 320
0.47	6670	3037	52400	1.15				
0.51	6050	2756	53900	1.25				
0.60	5200	2369	55900	1.50				
0.68	4540	2068	57300	1.70				
0.89	3480	1597	59500	2.2				
0.72	4430	1970	29500	0.95	FA97 FAF97 F97 FF97	R57	DRN71M4	185 205 195 225
0.82	3890	1722	31100	1.10				
0.93	3450	1527	32200	1.25				
1.1	2920	1327	33500	1.45				
1.2	2650	1171	34100	1.60				
1.4	2310	1022	34800	1.85				
1.6	1950	898	35500	2.2	FA87 FAF87 F87 FF87	R57	DRN71M4	120 135 125 140
1.1	2860	1300	23500	1.05				
1.2	2550	1148	24600	1.20				
1.4	2220	1010	25700	1.35				
1.6	1970	887	26500	1.55				
1.8	1720	780	27300	1.75				
2.1	1460	674	27900	2.1				
2.3	1340	609	28200	2.2				
2.8	1130	515	28700	2.7				
3.1	990	452	29000	3.0				

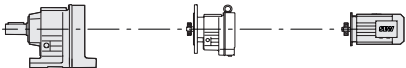
P_N = 0.37 kW

n_a min⁻¹	M_a Nm	i	F_{Ra} N	SEW f_B				m kg
1.8	1800	810	13300	0.85	FA77 FAF77 F77 FF77	R37	DRN71M4	68 75 72 82
2.0	1580	710	15200	0.95				
2.3	1380	615	16500	1.10				
2.6	1210	538	17400	1.25				
3.0	1080	480	18000	1.40				
3.4	920	413	18600	1.65				
3.9	820	367	18900	1.80				
4.4	730	323	19200	2.1				
5.7	560	249	7880	0.80	FA47 FAF47 F47 FF47	R17	DRN71M4	27 30 28 31
3.5	1020	270.68	28900	2.9	FA87 FAF87 F87 FF87	-	DRN80MK6	100
3.7	970	255.37	29000	3.1				115
4.1	870	228.93	29200	3.5				105 120
4.1	850	225.79	18800	1.75	FA77 FAF77 F77 FF77	-	DRN80MK6	61
4.7	750	198.31	19100	2.0				68
5.0	710	188.40	19200	2.1				65
5.6	630	166.47	19400	2.4				76
6.6	540	142.27	19600	2.8				
5.0	705	281.71	19300	2.1	FA77 FAF77 F77 FF77	-	DRN71M4	59
5.4	655	262.93	19400	2.3				65
6.3	565	225.79	19600	2.7				63
7.1	495	198.31	19700	3.0				73
25	141	56.62	4070	0.90	FA27 FAF27 F27 FF27	-	DRN71M4	13
28	125	50.19	4000	1.05				13
30	117	46.78	3960	1.10				13
35	102	40.89	3870	1.25				14
37	96	38.33	3820	1.35				
42	84	33.83	3730	1.55				
48	74	29.56	3630	1.75	FA27 FAF27 F27 FF27	-	DRN71M4	12
52	68	27.18	3560	1.90				13
61	58	23.25	3440	2.2				13
70	50	20.15	3320	2.6				14
75	47	18.84	3270	2.8				
87	41	16.28	3150	3.2				
102	35	13.84	3020	3.8				
115	31	12.35	2930	4.2				
134	26	10.55	2810	4.9				
143	25	9.88	2750	5.3				
150	23	9.40	2690	5.5				
174	20	8.13	2590	6.1				
205	17	6.91	2470	6.6				
229	15	6.17	2390	7.1				
269	13	5.27	2280	7.6				
287	12	4.93	2240	7.8				
340	10	4.16	2130	8.4				

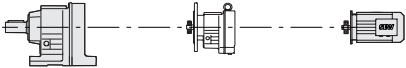
P_N = 0.55 kW

n_a min⁻¹	M_a Nm	i	F_{Ra} N	SEW f_B				m kg
0.20	21700	7075	87400	0.90	FA157	R97	DRN80MK4	770
0.23	19300	6295	96200	1.05	FAF157			830
0.27	16100	5404	105500	1.25	F157			790
0.52	8270	2780	119500	2.4	FF157			900
0.59	7310	2427	120000	2.7	FA157	R97	DRN80MK4	770
0.86	5220	1674	120000	3.8	FAF157			820
1.1	4010	1308	120000	5.0	F157			790
1.2	3520	1169	120000	5.7	FF157			890
0.37	12700	3926	89100	0.95	FA127	R77	DRN80MK4	430
0.42	11100	3454	90000	1.10	FAF127			470
0.47	9710	3031	90000	1.25	F127			465
					FF127			510
0.61	7800	2369	49500	1.00	FA107 FAF107 F107 FF107	R77	DRN80MK4	280 300 295 325
0.69	6800	2068	52100	1.15				
0.79	5840	1826	54400	1.30				
0.90	5230	1597	55800	1.45				
1.0	4560	1401	57300	1.70				
1.2	3980	1243	58500	1.95				
1.3	3560	1087	59300	2.2				
1.5	3040	950	60300	2.5				
1.7	2640	834	61000	2.9				
2.2	2060	640	62100	3.7				
1.1	4370	1327	29700	1.00	FA97 FAF97 F97 FF97	R57	DRN80MK4	190 210 195 230
1.2	3930	1171	31000	1.10				
1.4	3430	1022	32300	1.25				
1.6	2930	898	33500	1.45				
1.8	2600	784	34200	1.65				
2.1	2250	690	34900	1.90				
2.4	1990	605	35400	2.2				
2.7	1730	529	35900	2.5				
3.1	1520	467	36200	2.8				
3.5	1310	406	36600	3.3				
4.0	1170	363	36800	3.7				
1.6	2940	887	22000	1.00	FA87 FAF87 F87 FF87	R57	DRN80MK4	120 135 130 145
1.8	2570	780	24600	1.15				
2.1	2200	674	25800	1.35				
2.4	2010	609	26400	1.50				
2.8	1690	515	27300	1.75				
3.2	1490	452	27800	2.0				
4.2	1110	345	28700	2.7				
3.0	1600	480	15000	0.95	FA77	R37	DRN80MK4	70
3.5	1370	413	16500	1.10	FAF77			77
3.9	1220	367	17300	1.25	F77			74
4.5	1080	323	18000	1.40	FF77			85
8.2	585	175	7700	0.75	FA47	R17	DRN80MK4	29
9.8	495	147	8310	0.90	FAF47			32
11	435	130	8690	1.05	F47			30
					FF47			33
9.6	505	149	8220	0.90	FA47	R17	DRN80MK4	28
11	445	131	8630	1.00	FAF47			31
					F47			29
					FF47			32

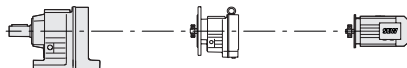
P_N = 0.55 kW

n_a min⁻¹	M_a Nm	i	F_{Ra} N	SEW f_B				m kg
3.6	1470	270.68	27900	2.0	FA87 FAF87 F87 FF87	-	DRN90S6	110
3.8	1390	255.37	28100	2.2				120
4.2	1240	228.93	28400	2.4				115
4.9	1070	197.20	28800	2.8				130
5.4	980	179.97	29000	3.1				
4.3	1230	225.79	17300	1.20	FA77 FAF77 F77 FF77	-	DRN90S6	69
4.9	1080	198.31	18000	1.40				76
5.1	1020	188.40	18200	1.45				73
5.8	910	166.47	18700	1.65				84
6.8	775	142.27	19100	1.95				
7.4	710	130.42	19200	2.1	FA77 FAF77 F77 FF77	-	DRN80MK4	
6.4	830	225.79	18900	1.80				61
7.2	725	198.31	19200	2.1				68
7.6	690	188.40	19300	2.2				65
8.6	610	166.47	19500	2.5				76
10	520	142.27	19700	2.9				
11	475	130.42	19700	3.1				
13	395	108.46*	19900	3.8				
13	420	114.45	19800	3.6				
15	345	94.93	19900	4.3	FA27 FAF27 F27 FF27	-	DRN80MK4	
62	85	23.25	3180	1.55				15
71	74	20.15	3100	1.75				15
76	69	18.84	3060	1.90				15
88	60	16.28	2970	2.2				16
104	51	13.84	2860	2.6				
116	45	12.35	2790	2.9				
136	39	10.55	2680	3.4				
145	36	9.88	2640	3.6				
153	34	9.40	2570	3.8				
177	30	8.13	2480	4.1				
208	25	6.91	2380	4.5				
233	23	6.17	2310	4.8				
272	19	5.27	2210	5.2				
291	18	4.93	2170	5.3				
345	15	4.16	2070	5.7				

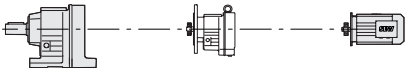
P_N = 0.75 kW

n_a min⁻¹	M_a Nm	i	F_{Ra} N	SEW f_B				m kg
0.27	22700	5404	72400	0.90	FA157 FAF157 F157 FF157	R97	DRN80M4	770
0.30	20000	4831	93900	1.00				830
0.35	16800	4130	103600	1.20				790
0.52	11700	2780	114700	1.70				900
0.59	10300	2427	116800	1.95	FA157 FAF157 F157 FF157	R97	DRN80M4	
0.66	9140	2185	118400	2.2				770
0.74	8130	1944	119600	2.5				830
0.86	7290	1674	120000	2.7				790
1.1	5630	1308	120000	3.6				900
1.2	4960	1169	120000	4.0				
1.5	3930	953	120000	5.1				
1.7	3400	845	120000	5.9				
3.2	1800	446	120000	11				
4.8	1220	302	120000	16				

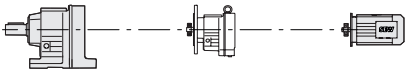
P_N = 0.75 kW

n_a min ⁻¹	M_a Nm	i	F_{Ra} N	SEW f_B				m kg		
0.48	13400	3031	87700	0.90	FA127	R77	DRN80M4	435		
					FAF127			470		
					F127			470		
					FF127			520		
0.54	12100	2672	90000	1.00	FA127 FAF127 F127 FF127	R77	DRN80M4	435		
0.61	10600	2357	90000	1.15				470		
0.71	9120	2038	90000	1.30				470		
0.81	7940	1784	90000	1.50				510		
0.90	7120	1606	90000	1.70						
0.79	8100	1826	48700	0.95	FA107 FAF107 F107 FF107	R77	DRN80M4			
0.90	7200	1597	51100	1.05						
1.0	6290	1401	53300	1.20				280		
1.2	5510	1243	55200	1.40				305		
1.3	4900	1087	56500	1.55				300		
1.5	4210	950	58000	1.80				325		
1.7	3670	834	59100	2.1						
2.3	2850	640	60700	2.7						
3.3	1940	436	62300	4.0						
1.4	4700	1022	26900	0.90	FA97 FAF97 F97 FF97	R57	DRN80M4			
1.6	4040	898	30600	1.05						
1.8	3570	784	31900	1.20				190		
2.1	3100	690	33100	1.40				215		
2.4	2730	605	33900	1.55				200		
2.7	2380	529	34700	1.80				230		
3.1	2100	467	35200	2.1						
3.6	1810	406	35700	2.4						
4.0	1620	363	36100	2.7						
2.1	3030	674	18400	1.00	FA87 FAF87 F87 FF87	R57	DRN80M4	125		
2.4	2760	609	23900	1.10				140		
2.8	2330	515	25400	1.30				130		
3.2	2050	452	26300	1.45				145		
4.2	1540	345	27700	1.95						
3.9	1680	367	14400	0.90	FA77 FAF77 F77 FF77	R37	DRN80M4	74		
4.5	1480	323	15800	1.00				80		
5.2	1280	280	17000	1.15				77		
								88		
3.5	2070	276.77	35300	2.1	FA97 FAF97 F97 FF97	-	DRN90S6	175		
3.8	1900	253.41	35600	2.3				195		
4.3	1680	223.88	36000	2.6				180		
								215		
3.5	2030	270.68	26400	1.50	FA87 FAF87 F87 FF87	-	DRN90S6			
3.8	1910	255.37	26700	1.55				110		
4.2	1710	228.93	27300	1.75				120		
4.9	1480	197.20	27900	2.0				115		
5.3	1350	179.97	28200	2.2				130		
6.0	1190	159.61	28600	2.5						
5.3	1350	270.68	28200	2.2	FA87 FAF87 F87 FF87	-	DRN80M4	105		
5.6	1270	255.37	28400	2.4				115		
6.3	1140	228.93	28700	2.6				110		
								125		
4.8	1480	198.31	15800	1.00	FA77 FAF77 F77 FF77	-	DRN90S6	69		
5.1	1410	188.40	16300	1.05				76		
5.8	1250	166.47	17200	1.20				73		
6.7	1060	142.27	18000	1.40				84		
7.3	980	130.42	18400	1.55						

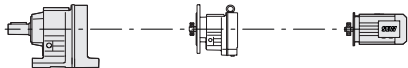
P_N = 0.75 kW

n_a min⁻¹	M_a Nm	i	F_{Ra} N	SEW f_B				m kg
6.4	1120	225.79	17800	1.35	FA77 FAF77 F77 FF77	-	DRN80M4	65 71 68 79
7.3	990	198.31	18400	1.50				
7.6	940	188.40	18500	1.60				
8.7	830	166.47	18900	1.80				
10	710	142.27	19200	2.1				
11	650	130.42	19400	2.3				
13	540	108.46*	19600	2.8				
13	570	114.45	19600	2.6	FA27 FAF27 F27 FF27	-	DRN80M4	18 19 19 19
62	116	23.25	2910	1.10				
71	100	20.15	2860	1.30				
76	94	18.84	2830	1.40				
88	81	16.28	2770	1.60				
104	69	13.84	2700	1.90				
117	61	12.35	2640	2.1				
136	52	10.55	2560	2.5				
146	49	9.88	2520	2.6				
153	47	9.40	2450	2.8				
177	40	8.13	2370	3.0				
208	34	6.91	2290	3.3				
234	31	6.17	2220	3.6				
273	26	5.27	2140	3.8				
292	25	4.93	2100	3.9				
347	21	4.16	2010	4.2				

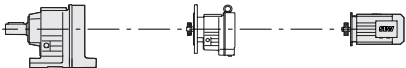
P_N = 1.1 kW

n_a min⁻¹	M_a Nm	i	F_{Ra} N	SEW f_B				m kg
0.52	17500	2780	101800	1.15	FA157 FAF157 F157 FF157	R97	DRN90S4	780 840 800 900
0.60	15400	2427	107100	1.30	FA157 FAF157 F157 FF157	R97	DRN90S4	770 830 790 900
0.67	13800	2185	110800	1.45				
0.75	12200	1944	113700	1.65				
0.87	10800	1674	116000	1.85				
1.1	8390	1308	119300	2.4				
1.2	7430	1169	120000	2.7				
1.5	5940	953	120000	3.4				
1.7	5190	845	120000	3.9				
3.3	2740	446	120000	7.3				
4.8	1860	302	120000	10	FA127 FAF127 F127 FF127	R77	DRN90S4	440 475 475 520
0.71	13400	2038	87700	0.90				
0.82	11700	1784	90000	1.00				
0.91	10500	1606	90000	1.15				
1.1	9100	1390	90000	1.30				
1.2	7950	1220	90000	1.50				
1.4	7070	1077	90000	1.70	FA107 FAF107 F107 FF107	R77	DRN90S4	285 310 305 330
1.2	8140	1243	48600	0.95				
1.3	7200	1087	51100	1.05				
1.5	6220	950	53500	1.25				
1.8	5430	834	55300	1.40				
2.0	4770	736	56800	1.60				
2.3	4200	640	58000	1.85				

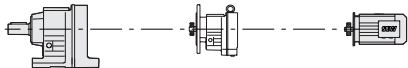
P_N = 1.1 kW

n_a min⁻¹	M_a Nm	i	F_{Ra} N	SEW f_B				m kg
2.1	4560	690	29100	0.95	FA97 FAF97 F97 FF97	R57	DRN90S4	
2.4	4010	605	30700	1.05				195
2.8	3500	529	32100	1.25				220
3.1	3090	467	33100	1.40				205
3.6	2670	406	34100	1.60				240
4.0	2390	363	34600	1.80				
3.2	3010	452	19600	1.00	FA87 FAF87 F87 FF87	R57	DRN90S4	130
4.2	2270	345	25600	1.30				145
4.8	1970	300	26500	1.50				140
5.8	1630	249	27500	1.85				155
3.5	3040	276.77	33200	1.40	FA97 FAF97 F97 FF97	-	DRN90L6	175
3.8	2780	253.41	33800	1.55				200
4.3	2460	223.88	34500	1.75				185
5.0	2080	189.92	35200	2.1				215
5.5	1920	174.87	35500	2.2				
5.3	2000	276.77	35400	2.2	FA97 FAF97 F97 FF97	-	DRN90S4	175
5.7	1830	253.41	35700	2.4				195
6.5	1620	223.88	36100	2.7				180
4.2	2510	228.93	24800	1.20	FA87 FAF87 F87 FF87	-	DRN90L6	110
4.9	2160	197.20	25900	1.40				125
5.3	1980	179.97	26500	1.50				120
6.0	1750	159.61	27200	1.70				135
5.4	1950	270.68	26600	1.55	FA87 FAF87 F87 FF87	-	DRN90S4	
5.7	1840	255.37	26900	1.65				110
6.4	1650	228.93	27400	1.80				120
7.4	1420	197.20	28000	2.1				115
8.1	1300	179.97	28300	2.3				130
9.1	1150	159.61	28600	2.6				
11	970	134.16	29000	3.1				
12	890	123.29	29200	3.4				
7.3	1430	198.31	16200	1.05	FA77 FAF77 F77 FF77	-	DRN90S4	
7.7	1360	188.40	16600	1.10				69
8.7	1200	166.47	17400	1.25				76
10	1030	142.27	18200	1.45				73
11	940	130.42	18500	1.60				84
13	785	108.46*	19000	1.90				
13	830	114.45	18900	1.80				
15	685	94.93	19300	2.2				
17	615	85.52	19500	2.4				
19	540	75.02	19600	2.8				
72	146	20.15	2440	0.90	FA27 FAF27 F27 FF27	-	DRN90S4	
77	136	18.84	2450	0.95				24
89	118	16.28	2440	1.10				25
105	100	13.84	2410	1.30				24
118	89	12.35	2380	1.45				25
138	76	10.55	2330	1.70				
147	71	9.88	2310	1.80				
155	68	9.40	2230	1.90				
179	59	8.13	2180	2.1				
211	50	6.91	2120	2.3				
236	45	6.17	2080	2.5				
276	38	5.27	2010	2.6				
295	36	4.93	1990	2.7				
350	30	4.16	1910	2.9				

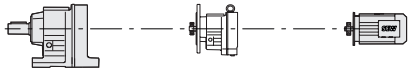
P_N = 1.5 kW

n_a min⁻¹	M_a Nm	i	F_{Ra} N	SEW f_B				m kg
0.53	24100	2780	10800	0.85	FA157 FAF157 F157 FF157	R97	DRN90L4	780 840 800 910
0.60	21300	2427	88800	0.95	FA157 FAF157 F157 FF157	R97	DRN90L4	780 840 800 900
0.67	19100	2185	96900	1.05				
0.75	17000	1944	103200	1.20				
0.87	14900	1674	108300	1.35				
1.1	11600	1308	114800	1.75				
1.3	10300	1169	116900	1.95				
1.5	8250	953	119500	2.4				
1.7	7240	845	120000	2.8				
3.3	3830	446	120000	5.2				
4.8	2590	302	120000	7.7				
0.91	14400	1606	85700	0.85	FA127 FAF127 F127 FF127	R77	DRN90L4	440 480 480 520
1.1	12500	1390	89500	0.95				
1.2	10900	1220	90000	1.10				
1.4	9690	1077	90000	1.25				
1.6	8320	930	90000	1.45				
1.8	7320	820	90000	1.65				
2.0	6470	727	90000	1.85				
2.3	5830	648	90000	2.1				
1.5	8530	950	47500	0.90	FA107 FAF107 F107 FF107	R77	DRN90L4	290 310 305 335
1.8	7460	834	50400	1.05				
2.0	6560	736	52700	1.15				
2.3	5760	640	54600	1.35				
2.6	4980	560	56300	1.55				
3.0	4350	489	57700	1.75				
3.4	3920	436	58600	1.95				
4.0	3330	370	59800	2.3				
2.8	4780	529	23800	0.90	FA97 FAF97 F97 FF97	R57	DRN90L4	200 220 210 240
3.1	4230	467	30100	1.00				
3.6	3650	406	31700	1.20				
4.0	3270	363	32700	1.30				
4.9	2700	300	24100	1.10	FA87 FAF87 F87 FF87	R57	DRN90L4	135 150 140 155
5.9	2240	249	25700	1.35				
3.8	3790	254.40*	58800	2.0	FA107 FAF107 F107 FF107	-	DRN100L6	265 285 280 305
4.5	3210	215.37	60000	2.4				
4.8	2970	199.31	60400	2.6				
5.4	2660	178.64	61000	2.9				
3.5	4130	276.77	30400	1.05	FA97 FAF97 F97 FF97	-	DRN100L6	190 210 195 230
3.8	3780	253.41	31400	1.15				
4.3	3340	223.88	32500	1.30				
5.1	2830	189.92	33700	1.50				
5.5	2610	174.87	34200	1.65				
5.3	2710	276.77	34000	1.60	FA97 FAF97 F97 FF97	-	DRN90L4	175 200 185 215
5.8	2480	253.41	34400	1.75				
6.5	2190	223.88	35000	1.95				
7.7	1860	189.92	35600	2.3				
8.4	1710	174.87	35900	2.5				

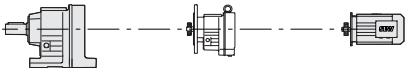
P_N = 1.5 kW

n_a min⁻¹	M_a Nm	i	F_{Ra} N	SEW f_B				m kg
5.4	2650	270.68	24300	1.15	FA87 FAF87 F87 FF87	-	DRN90L4	110 125 120 135
5.7	2500	255.37	24800	1.20				
6.4	2240	228.93	25700	1.35				
7.4	1930	197.20	26600	1.55				
8.1	1760	179.97	27100	1.70				
9.2	1560	159.61	27700	1.90				
11	1320	134.16	28300	2.3				
13	1070	109.49	28800	2.8				
15	960	97.89	29100	3.1				
8.8	1630	166.47	14800	0.90	FA77 FAF77 F77 FF77	-	DRN90L4	73 79 76 87
10	1390	142.27	16400	1.10				
11	1280	130.42	17000	1.15				
13	1060	108.46*	18100	1.40				
13	1120	114.45	17800	1.35				
15	930	94.93	18600	1.60				
17	840	85.52	18900	1.80				
19	735	75.02	19200	2.0				
20	710	72.50	19200	2.1				
22	650	66.46	19400	2.3				
25	570	58.32	19600	2.6				
26	540	55.27	19600	2.8				
30	475	48.37	19700	3.2				
34	425	43.58	19800	3.5				
38	375	38.23	19900	4.0				
40	360	36.58	19900	3.1	FA77 FAF77 F77 FF77	-	DRN90L4	71 78
46	310	31.51	20000	4.5				
106	136	13.84	2090	0.95	FA27 FAF27 F27 FF27	-	DRN90L4	27 28 28 28
118	121	12.35	2090	1.05				
138	103	10.55	2090	1.25				
148	97	9.88	2080	1.35				
155	92	9.40	1990	1.40				
180	80	8.13	1970	1.55				
212	68	6.91	1940	1.70				
237	60	6.17	1920	1.80				
277	52	5.27	1880	1.95				
296	48	4.93	1860	2.0				
352	41	4.16	1800	2.1				

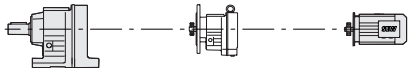
P_N = 2.2 kW

n_a min⁻¹	M_a Nm	i	F_{Ra} N	SEW f_B				m kg
1.0	18200	1441	99700	1.10	FA157 FAF157 F157 FF157	R97	DRN100LS4	780 840 810 910

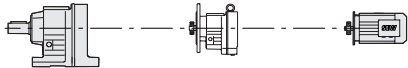
P_N = 2.2 kW

n_a min⁻¹	M_a Nm	i	F_{Ra} N	SEW f_B				m kg
0.87	22300	1674	80700	0.90	FA157 FAF157 F157 FF157	R97	DRN100LS4	780 840 800 910
1.1	17300	1308	102200	1.15				
1.2	15400	1169	107100	1.30				
1.5	12500	953	113300	1.60				
1.7	11000	845	115800	1.80				
1.9	9860	764	117400	2.0				
2.1	8770	680	118900	2.3				
2.5	7350	576	120000	2.7				
3.3	5800	446	120000	3.5				
4.8	3920	302	120000	5.1				
5.3	3530	273	120000	5.7				
6.3	2960	232	120000	6.8				
7.4	2510	197	120000	8.0				
1.4	14400	1077	85700	0.85	FA127 FAF127 F127 FF127	R77	DRN100LS4	445 485 480 530
1.6	12400	930	89600	0.95				
1.8	10900	820	90000	1.10				
2.0	9670	727	90000	1.25				
2.2	8690	648	90000	1.40				
2.6	7360	549	90000	1.65				
2.9	6620	495	90000	1.80				
3.4	5730	428	90000	2.1				
2.3	8590	640	47300	0.90	FA107 FAF107 F107 FF107	R77	DRN100LS4	295 315 310 340
2.6	7460	560	50400	1.05				
3.0	6510	489	52800	1.20				
3.3	5850	436	54400	1.30				
3.9	4960	370	56400	1.55				
4.4	4460	333	57500	1.70				
5.1	3840	285	31200	1.10	FA97 FAF97 F97 FF97	R57	DRN100LS4	205 225 210 245
5.9	3300	245	32600	1.30				
3.8	5490	254.40*	55200	1.40	FA107 FAF107 F107 FF107	-	DRN112M6	270 290 290 315
4.5	4650	215.37	57100	1.65				
4.9	4300	199.31	57800	1.80				
5.5	3860	178.64	58700	2.0				
5.7	3690	254.40*	59100	2.1	FA107 FAF107 F107 FF107	-	DRN100LS4	255 275 275 300
6.7	3120	215.37	60200	2.5				
7.3	2890	199.31	60600	2.7				
8.1	2590	178.64	61100	3.0				
4.4	4830	223.88	21700	0.90	FA97 FAF97 F97 FF97	-	DRN112M6	195 220 205 235
5.1	4100	189.92	30500	1.05				
5.6	3780	174.87	31400	1.15				
6.2	3370	156.30	32400	1.25				
5.2	4010	276.77	30700	1.05	FA97 FAF97 F97 FF97	-	DRN100LS4	180 200 190 220
5.7	3670	253.41	31700	1.15				
6.5	3240	223.88	32700	1.35				
7.6	2750	189.92	33900	1.55				
8.3	2530	174.87	34300	1.70				
9.3	2260	156.30	34900	1.90				
10	2040	140.71	35300	2.1				
11	1850	127.42	35700	2.3				

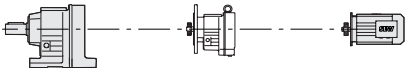
P_N = 2.2 kW

n_a min⁻¹	M_a Nm	i	F_{Ra} N	SEW f_B				m kg
7.4	2860	197.20	23500	1.05	FA87 FAF87 F87 FF87	-	DRN100LS4	115 130 120 140
8.1	2610	179.97	24400	1.15				
9.1	2310	159.61	25500	1.30				
11	1940	134.16	26600	1.55				
12	1790	123.29	27100	1.70				
13	1590	109.49	27600	1.90				
15	1420	97.89	28000	2.1				
16	1280	88.01	28400	2.4				
19	1110	76.39	27700	2.7				
21	990	68.40	27000	3.0				
26	820	56.75	25700	3.7				
29	730	50.36	25000	4.0				
32	655	45.28	24300	4.3				
13	1570	108.46*	15200	0.95	FA77 FAF77 F77 FF77	-	DRN100LS4	77 83 81 91
13	1660	114.45	14600	0.90				
15	1380	94.93	16500	1.10				
17	1240	85.52	17300	1.20				
19	1090	75.02	18000	1.40				
22	960	66.46	18400	1.55				
25	840	58.32	18900	1.80				
26	800	55.27	19000	1.85				
30	700	48.37	19300	2.1				
33	630	43.58	19400	2.4				
40	530	36.58	19600	2.1	FA77 FAF77 F77 FF77	-	DRN100LS4	75 82 79 90
46	455	31.51	19800	3.0				
50	415	28.75	19800	3.4				
57	370	25.50*	19900	4.1				

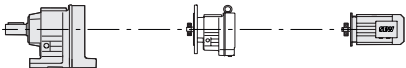
P_N = 3 kW

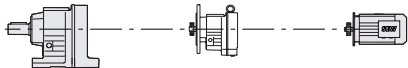
n_a min⁻¹	M_a Nm	i	F_{Ra} N	SEW f_B				m kg
1.1	23700	1308	39900	0.85	FA157 FAF157 F157 FF157	R97	DRN100L4	790 850 810 920
1.3	21100	1169	89600	0.95				
1.5	17100	953	102800	1.15				
1.7	15100	845	107900	1.30				
1.9	13600	764	111100	1.45				
2.1	12100	680	114000	1.65				
2.5	10200	576	117000	1.95				
3.3	7980	446	119800	2.5				
4.8	5400	302	120000	3.7				
5.3	4860	273	120000	4.1				
6.3	4090	232	120000	4.9	FA127 FAF127 F127 FF127	R77	DRN100L4	455 490 490 530
7.4	3470	197	120000	5.8				
2.0	13200	727	88100	0.90				
2.3	11900	648	90000	1.00				
2.7	10000	549	90000	1.20	FA107 FAF107 F107 FF107	R77	DRN100L4	300 325 320 345
2.9	9040	495	90000	1.35				
3.3	7970	436	49000	0.95				
3.9	6760	370	52200	1.15				
4.4	6090	333	53800	1.25	FA107 FAF107 F107 FF107	-	DRN132S6	285 305 300 325
5.0	5320	291	55600	1.45				
3.8	7480	254.40*	50300	1.05				
4.5	6330	215.37	53200	1.20				
4.9	5860	199.31	54300	1.30				
5.5	5250	178.64	55700	1.45				

P_N = 3 kW

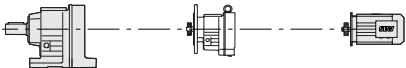
n_a min⁻¹	M_a Nm	i	F_{Ra} N	SEW f_B				m kg
5.7	5010	254.40*	56300	1.55	FA107 FAF107 F107 FF107	-	DRN100L4	265
6.8	4240	215.37	57900	1.80				285
7.3	3920	199.31	58600	1.95				280
8.2	3510	178.64	59400	2.2				305
9.0	3170	161.28*	60100	2.4				
6.5	4410	223.88	29600	1.00	FA97 FAF97 F97 FF97	-	DRN100L4	
7.7	3740	189.92	31500	1.15				190
8.3	3440	174.87	32300	1.25				210
9.3	3080	156.30	33100	1.40				195
10	2770	140.71	33800	1.55				230
11	2510	127.42	34400	1.70				
13	2220	112.99	35000	1.95				
14	2010	102.16	35400	2.1				
16	1770	89.85	35800	2.4				
11	2640	134.16	24300	1.15	FA87 FAF87 F87 FF87	-	DRN100L4	
12	2430	123.29	25100	1.25				125
13	2150	109.49	26000	1.40				135
15	1930	97.89	26700	1.55				130
17	1730	88.01	26700	1.75				145
19	1500	76.39	26100	2.0				
21	1350	68.40	25500	2.2				
26	1120	56.75	24600	2.7				
29	990	50.36	23900	3.0				
17	1680	85.52	14400	0.90	FA77 FAF77 F77 FF77	-	DRN100L4	
19	1480	75.02	15900	1.00				84
22	1310	66.46	16900	1.15				91
25	1150	58.32	17700	1.30				88
26	1090	55.27	18000	1.40				98
30	950	48.37	18500	1.60				
33	860	43.58	18800	1.75				
38	750	38.23	19100	2.0				
40	720	36.58	19200	1.55	FA77 FAF77 F77 FF77	-	DRN100L4	83
46	620	31.51	19500	2.2				89
51	565	28.75	19600	2.5				86
57	500	25.50*	19700	3.0				97
68	420	21.43	19800	3.6				

P_N = 4 kW

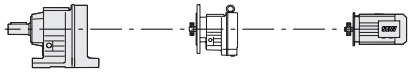
n_a min⁻¹	M_a Nm	i	F_{Ra} N	SEW f_B				m kg
1.5	22900	953	67600	0.85	FA157 FAF157 F157 FF157	R97	DRN112M4	800
1.7	20200	845	93100	1.00				860
1.9	18200	764	99700	1.10				820
2.2	16200	680	105200	1.25				920
2.5	13600	576	111000	1.45				
3.3	10700	446	116300	1.85				
4.8	7220	302	120000	2.8				
5.4	6510	273	120000	3.1				
6.3	5480	232	120000	3.7				
7.5	4650	197	120000	4.3				
2.7	13400	549	87800	0.90	FA127 FAF127 F127 FF127	R77	DRN112M4	460
3.0	12000	495	90000	1.00				500
3.4	10400	428	90000	1.15				500
3.9	9120	376	90000	1.30				540

P_N = 4 kW								
n_a min⁻¹	M_a Nm	i	F_{Ra} N	SEW f_B				m kg
4.4	8100	333	48700	0.95	FA107 FAF107 F107 FF107	R77	DRN112M4	310
5.0	7080	291	51400	1.10				330
5.7	6200	255	53500	1.25				325
								355
5.8	6640	254.40*	52500	1.15	FA107 FAF107 F107 FF107	-	DRN112M4	270 290 290 315
6.8	5620	215.37	54900	1.35				
7.4	5200	199.31	55900	1.50				
8.2	4660	178.64	57000	1.65				
9.1	4210	161.28*	58000	1.85				
10	3820	146.49	58800	2.0				
11	3390	129.97	59600	2.3				
12	3080	117.94	60200	2.5				
14	2650	101.38*	61000	2.9				
8.4	4560	174.87	29100	0.95	FA97 FAF97 F97 FF97	-	DRN112M4	195 220 205 235
9.4	4080	156.30	30500	1.05				
10	3670	140.71	31700	1.15				
11	3320	127.42	32500	1.30				
13	2950	112.99	33400	1.45				
14	2670	102.16	34100	1.60				
15	2550	97.58	34300	1.70				
16	2340	89.85	34700	1.85				
18	2100	80.31	35200	2.1				
20	1890	72.29	35600	2.3				
22	1710	65.47	35900	2.5				
13	2860	109.49	23500	1.05	FA87 FAF87 F87 FF87	-	DRN112M4	135 145 140 155
15	2550	97.89	24600	1.15				
17	2300	88.01	24500	1.30				
19	1990	76.39	24100	1.50				
21	1780	68.40	23800	1.70				
26	1480	56.75	23100	2.0				
29	1310	50.36	22600	2.2				
32	1180	45.28	22200	2.4				
22	1730	66.46	13900	0.85	FA77 FAF77 F77 FF77	-	DRN112M4	93 100 97 110
25	1520	58.32	15600	1.00				
26	1440	55.27	16100	1.05				
30	1260	48.37	17100	1.20				
34	1140	43.58	17700	1.30				
38	1000	38.23	18300	1.50				
43	880	33.74	18700	1.70				
49	780	29.91	19000	1.90				
57	665	25.54	19300	2.2				
46	820	31.51	18900	1.70	FA77 FAF77 F77 FF77	-	DRN112M4	92 98 96 105
51	750	28.75	19100	1.90				
57	665	25.50*	19300	2.3				
68	560	21.43	19600	2.7				
74	515	19.70	19700	2.9				

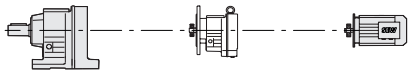
P_N = 5.5 kW

n_a min⁻¹	M_a Nm	i	F_{Ra} N	SEW f_B				m kg
2.2	22500	680	76100	0.90	FA157 FAF157 F157 FF157	R97	DRN132S4	810 870 830 940
2.5	19000	576	97200	1.05				
2.9	16500	503	104400	1.20				
3.3	14800	446	108500	1.35				
4.2	11600	353	114900	1.75				
4.8	10000	302	117200	2.0				
5.4	9050	273	118500	2.2				
6.3	7630	232	120000	2.6				
7.2	6640	202	120000	3.0				
7.4	6470	197	120000	3.1				
3.5	13900	418	86700	0.85	FA127 FAF127 F127 FF127	R87	DRN132S4	495 530 530 570
3.9	12500	374	89600	0.95				
4.7	10400	312	90000	1.15				
5.0	9740	293	90000	1.25				
5.7	8590	259	90000	1.40				
6.5	7420	223	90000	1.60				
3.4	14400	428	85800	0.85	FA127 FAF127 F127 FF127	R77	DRN132S4	475 510 510 550
3.9	12600	376	89300	0.95				
6.8	7740	215.37	49600	1.00	FA107 FAF107 F107 FF107	-	DRN132S4	285 305 300 325
7.3	7170	199.31	51200	1.05				
8.2	6420	178.64	53000	1.20				
9.1	5800	161.28*	54500	1.30				
10	5270	146.49	55700	1.45				
11	4670	129.97	57000	1.65				
12	4240	117.94	57900	1.80				
14	3640	101.38*	59100	2.1				
16	3320	92.47*	59800	2.3				
17	3020	83.99	60400	2.5				
17	3180	88.49	60000	2.4				
11	4580	127.42	29000	0.95	FA97 FAF97 F97 FF97	-	DRN132S4	210 230 215 250
13	4060	112.99	30600	1.05				
14	3670	102.16	31700	1.15				
15	3510	97.58	32100	1.25				
16	3230	89.85	32800	1.35				
17	3110	86.59	33100	1.40				
18	2890	80.31	33600	1.50				
19	2720	75.63	33900	1.60				
20	2600	72.29	34200	1.65				
22	2350	65.47	34700	1.85				
25	2090	58.06	34400	2.1				
28	1890	52.49	33700	2.3				
17	3160	88.01	11900	0.95	FA87 FAF87 F87 FF87	-	DRN132S4	145 155 150 165
19	2750	76.39	21200	1.10				
21	2460	68.40	21200	1.20				
26	2040	56.75	21000	1.45				
29	1810	50.36	20700	1.60				
32	1630	45.28	20500	1.75				
37	1410	39.30	20100	1.95				
42	1270	35.19	19700	2.1				
50	1050	29.20	19100	2.4				
43	1220	33.92	19600	2.1	FA87 FAF87 F87 FF87	-	DRN132S4	140 155 145 160
51	1030	28.78	19000	2.4				
55	950	26.50	18700	3.2				
62	850	23.68	18300	3.5				

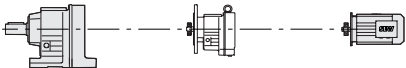
P_N = 5.5 kW

n_a min⁻¹	M_a Nm	i	F_{Ra} N	SEW f_B				m kg
30	1740	48.37	13900	0.85	FA77 FAF77 F77 FF77	-	DRN132S4	
34	1570	43.58	15300	0.95				105
38	1370	38.23	16500	1.10				110
43	1210	33.74	17400	1.25				110
49	1080	29.91	18000	1.40				120
57	920	25.54	18600	1.60				
57	920	25.50*	18600	1.65	FA77 FAF77 F77 FF77	-	DRN132S4	105
68	770	21.43	19100	1.95				110
74	710	19.70	19200	2.1				105
84	630	17.49	19400	2.4				120
93	560	15.64*	19600	2.7				
104	505	14.06	19200	3.0				
120	440	12.20	18500	3.4				

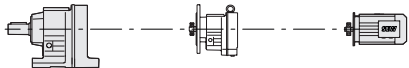
P_N = 7.5 kW

n_a min⁻¹	M_a Nm	i	F_{Ra} N	SEW f_B				m kg
2.9	22600	503	74000	0.90	FA157 FAF157 F157 FF157	R97	DRN132M4	830
3.3	20200	446	93000	1.00				890
4.2	15800	353	106100	1.25				850
4.9	13700	302	110900	1.45				950
5.4	12300	273	113500	1.60				
6.3	10400	232	116600	1.90				
7.3	9080	202	118500	2.2				
7.5	8850	197	118800	2.3	FA127 FAF127 F127 FF127	R87	DRN132M4	510
4.7	14200	312	86300	0.85				550
5.0	13300	293	88000	0.90				550
5.7	11700	259	90000	1.00				590
6.6	10100	223	90000	1.20				
7.4	8950	198	90000	1.35	FA157 FAF157 F157 FF157	-	DRN160M6	740
3.7	19600	267.43	95300	1.00				800
4.5	15900	217.62*	105900	1.25				760
5.5	13000	178.20*	112200	1.55				870
6.0	11900	162.96	114200	1.70				
6.9	10400	141.80*	116700	1.95				
7.8	9150	125.14	118400	2.2				
9.0	7940	108.49	119800	2.5				
10	7060	96.53*	120000	2.8				
11	6280	85.80*	120000	3.2				
12	5740	78.46	120000	3.5				
14	4990	68.28*	120000	4.0				
16	4410	60.25	120000	4.5				
19	3820	52.24	118700	5.2				
5.7	12500	170.83	89500	0.95	FA127 FAF127 F127 FF127	-	DRN160M6	485
6.4	11200	153.67*	90000	1.05				520
7.8	9170	125.37	90000	1.30				520
8.6	8360	114.34	90000	1.45				570
8.6	8330	170.83	90000	1.45	FA127 FAF127 F127 FF127	-	DRN132M4	445
9.6	7500	153.67*	90000	1.60				485
12	6120	125.37	90000	1.95				480
								530

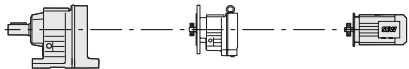
P_N = 7.5 kW

n_a min⁻¹	M_a Nm	i	F_{Ra} N	SEW f_B				m kg
8.2	8720	178.64	47000	0.90	FA107 FAF107 F107 FF107	-	DRN132M4	300 320 320 345
9.1	7870	161.28*	49300	1.00				
10	7150	146.49	51200	1.05				
11	6340	129.97	53200	1.20				
12	5750	117.94	54600	1.35				
14	4950	101.38*	56400	1.55				
16	4510	92.47*	57400	1.70				
17	4100	83.99	58200	1.85				
17	4320	88.49	57800	1.80				
20	3640	74.52	59200	2.1				
22	3300	67.62	59800	2.3				
15	4760	97.58	24600	0.90	FA97 FAF97 F97 FF97	-	DRN132M4	225 245 235 265
16	4380	89.85	29600	1.00				
17	4220	86.59	30100	1.00				
18	3920	80.31	31000	1.10				
19	3690	75.63	31600	1.15				
20	3530	72.29	32000	1.20				
22	3190	65.47	32200	1.35				
25	2830	58.06	31700	1.50				
28	2560	52.49	31300	1.70				
33	2170	44.49	30500	2.0				
38	1900	38.86	29800	2.3				
45	1590	32.50	28800	2.7				
34	2110	43.28	30400	1.45	FA97 FAF97 F97 FF97	-	DRN132M4	220 240 225 260
40	1790	36.64	29500	1.70				
43	1650	33.91	29000	2.6				
48	1480	30.39	28400	2.9				
26	2770	56.75	18100	1.10	FA87 FAF87 F87 FF87	-	DRN132M4	160 175 165 185
29	2460	50.36	18200	1.20				
32	2210	45.28	18200	1.30				
37	1920	39.30	18100	1.40				
42	1720	35.19	17900	1.50				
50	1420	29.20	17600	1.75				
51	1400	28.78	17500	1.75	FA87 FAF87 F87 FF87	-	DRN132M4	160 170 165 180
55	1290	26.50	17400	2.3				
62	1160	23.68	17100	2.6				
69	1040	21.32*	16800	2.9				
76	940	19.31	16500	3.2				
86	840	17.12	16100	3.6				
95	755	15.48	15800	4.0				
44	1650	33.74	14700	0.90	FA77 FAF77 F77 FF77	-	DRN132M4	125 130 125 135
49	1460	29.91	16000	1.05				
57	1250	25.54	17200	1.15				

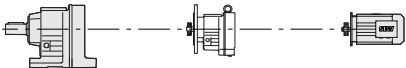
P_N = 7.5 kW

n_a min⁻¹	M_a Nm	i	F_{Ra} N	SEW f_B				m kg
58	1240	25.50*	17200	1.20	FA77 FAF77 F77 FF77	-	DRN132M4	
68	1050	21.43	18100	1.45				
75	960	19.70	18500	1.55				
84	850	17.49	18800	1.75				
94	765	15.64*	18900	1.95				
104	685	14.06	18500	2.2				120
120	595	12.20	17900	2.5				130
134	535	10.93	17500	2.8				125
158	455	9.30	16400	2.4				135
178	405	8.26	16000	2.7				
199	360	7.39	15600	3.0				
221	325	6.64	15300	3.3				
255	280	5.76	14800	3.8				
284	250	5.16	14400	4.3				
343	210	4.28	13700	4.8				

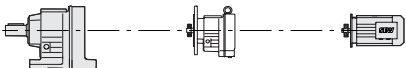
P_N = 9.2 kW

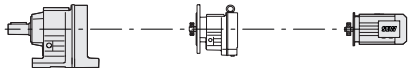
n_a min⁻¹	M_a Nm	i	F_{Ra} N	SEW f_B				m kg
4.2	19500	353	95600	1.05	FA157 FAF157 F157 FF157	R97	DRN132L4	840
4.9	16800	302	103600	1.20				890
5.4	15200	273	107700	1.30				860
6.4	12800	232	112600	1.55				960
7.3	11200	202	115500	1.80				
7.5	10900	197	116000	1.85				
5.7	14400	259	85800	0.85	FA127 FAF127 F127 FF127	R87	DRN132L4	520
6.6	12400	223	89600	0.95				560
7.4	11000	198	90000	1.10				600
8.6	10200	170.83	90000	1.20	FA127 FAF127 F127 FF127	-	DRN132L4	455
9.6	9180	153.67*	90000	1.30				490
12	7490	125.37	90000	1.60				490
13	6830	114.34	90000	1.75				540
15	5910	98.95	90000	2.0				
10	8750	146.49	46800	0.90	FA107 FAF107 F107 FF107	-	DRN132L4	310
11	7770	129.97	49600	1.00				330
12	7050	117.94	51500	1.10				325
15	6060	101.38*	53900	1.25				355
16	5530	92.47*	55100	1.40				
18	5020	83.99	56300	1.55				
20	4450	74.52	57500	1.70				
22	4040	67.62	58300	1.90				
25	3470	58.12*	58000	2.2				
29	3030	50.73	56500	2.5				
18	4800	80.31	23100	0.90	FA97 FAF97 F97 FF97	-	DRN132L4	235
19	4520	75.63	29200	0.95				255
20	4320	72.29	29600	1.00				240
22	3910	65.47	29600	1.10				275
25	3470	58.06	29500	1.25				
28	3140	52.49	29300	1.35				
33	2660	44.49	28800	1.60				
38	2320	38.86	28300	1.85				
45	1940	32.50	27500	2.2				

P_N = 9.2 kW

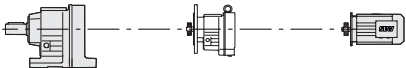
n_a min⁻¹	M_a Nm	i	F_{Ra} N	SEW f_B				m kg
43	2030	33.91	27700	2.1	FA97	-	DRN132L4	230
48	1820	30.39	27200	2.4	FAF97			250
54	1640	27.44*	26700	2.6	F97			235
59	1490	24.92	26200	2.9	FF97			270
29	3010	50.36	16000	1.00	FA87	-	DRN132L4	170
32	2710	45.28	16300	1.05	FAF87			185
37	2350	39.30	16400	1.15	F87			175
42	2100	35.19	16400	1.25	FF87			190
50	1740	29.20	16300	1.45				
55	1580	26.50	16200	1.90	FA87 FAF87 F87 FF87	-	DRN132L4	165
62	1420	23.68	16000	2.1				180
69	1270	21.32*	15900	2.4				175
76	1150	19.31	15600	2.6				190
86	1020	17.12	15400	2.9				
95	930	15.48	15100	3.2				
112	785	13.12*	14600	3.8				
75	1180	19.70	17600	1.25	FA77 FAF77 F77 FF77	-	DRN132L4	130
84	1050	17.49	18100	1.45				135
94	930	15.64*	18200	1.60				135
105	840	14.06	17900	1.80				145
120	730	12.20	17400	2.1				
135	655	10.93	17100	2.3				
158	555	9.30	15900	1.95				
178	495	8.26	15600	2.2				
199	440	7.39	15200	2.5				
221	395	6.64	14900	2.7				
255	345	5.76	14500	3.1				
285	310	5.16	14100	3.5				
343	255	4.28	13500	4.0				

P_N = 11 kW

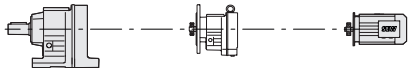
n_a min⁻¹	M_a Nm	i	F_{Ra} N	SEW f_B				m kg
4.2	23300	353	55600	0.85	FA157 FAF157 F157 FF157	R97	DRN160M4	870
4.9	20100	302	93500	1.00				930
5.4	18100	273	99800	1.10				890
6.4	15300	232	107300	1.30				1000
7.3	13400	202	111600	1.50				
7.5	13000	197	112300	1.55				
6.6	14900	223	84800	0.80	FA127 FAF127 F127 FF127	R87	DRN160M4	550
7.5	13100	198	88300	0.90				590
8.9	11000	166	90000	1.10				630
5.5	19100	267.43	96900	1.05	FA157 FAF157 F157 FF157	-	DRN160M4	740
6.8	15500	217.62*	106900	1.30				800
8.3	12700	178.20*	112800	1.55				760
9.0	11600	162.96	114800	1.70				870
10	10100	141.80*	117100	2.0				
12	8920	125.14	118700	2.2				
14	7740	108.49	120000	2.6				
15	6880	96.53*	120000	2.9				
17	6120	85.80*	117500	3.3				
19	5600	78.46	115100	3.6				
22	4870	68.28*	111400	4.1				

P_N = 11 kW								
n_a min⁻¹	M_a Nm	i	F_{Ra} N	SEW f_B				m kg
8.6	12200	170.83	90000	1.00	FA127 FAF127 F127 FF127	-	DRN160M4	485 520 520 570
9.6	11000	153.67*	90000	1.10				
12	8940	125.37	90000	1.35				
13	8150	114.34	90000	1.45				
15	7060	98.95	90000	1.70				
17	6230	87.31*	90000	1.95				
20	5380	75.41*	88300	2.2				
12	8410	117.94	47800	0.90	FA107 FAF107 F107 FF107	-	DRN160M4	340 365 360 385
15	7230	101.38*	51000	1.05				
16	6590	92.47*	52600	1.15				
18	5990	83.99	54100	1.30				
20	5310	74.52	55600	1.45				
22	4820	67.62	56700	1.60				
25	4140	58.12*	56200	1.85				
29	3620	50.73	54900	2.1				
34	3070	43.03	53300	2.5				
44	2410	33.79*	50700	3.1	FA107 FAF107 F107 FF107	-	DRN160M4	330 355 350 375
53	1970	27.57	48500	4.0				
59	1790	25.14	47500	4.4				
23	4670	65.47	26900	0.90	FA97 FAF97 F97 FF97	-	DRN160M4	265 290 275 305
25	4140	58.06	27100	1.05				
28	3740	52.49	27100	1.15				
33	3170	44.49	26900	1.35				
38	2770	38.86	26700	1.55				
45	2320	32.50	26200	1.85				
43	2420	33.91	26300	1.80	FA97 FAF97 F97 FF97	-	DRN160M4	260 285 270 300
48	2170	30.39	25900	2.0				
54	1960	27.44*	25500	2.2				
59	1780	24.92	25200	2.4				
67	1580	22.11	24600	2.7				
37	2800	39.30	14600	0.95	FA87 FAF87 F87 FF87	-	DRN160M4	200 215 210 225
42	2510	35.19	14800	1.05				
50	2080	29.20	15000	1.20				
56	1890	26.50	15000	1.60	FA87 FAF87 F87 FF87	-	DRN160M4	200 210 205 220
62	1690	23.68	15000	1.80				
69	1520	21.32*	14900	1.95				
76	1380	19.31	14800	2.2				
86	1220	17.12	14600	2.5				
95	1100	15.48	14400	2.7				
112	940	13.12*	14000	3.2				
75	1400	19.70	16300	1.05	FA77 FAF77 F77 FF77	-	DRN160M4	160 170 165 175
84	1250	17.49	17200	1.20				
94	1120	15.64*	17600	1.35				
105	1000	14.06	17300	1.50				
121	870	12.20	16900	1.70				
135	780	10.93	16600	1.90				
158	665	9.30	15400	1.65				
178	590	8.26	15100	1.85				
199	525	7.39	14800	2.1				
222	475	6.64	14500	2.3				
256	410	5.76	14100	2.6				
285	370	5.16	13800	2.9				
344	305	4.28	13300	3.3				

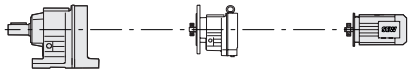
P_N = 15 kW

n_a min⁻¹	M_a Nm	i	F_{Ra} N	SEW f_B				m kg
6.4	21000	232	90200	0.95	FA157 FAF157 F157 FF157	R97	DRN160L4	880
7.3	18300	202	99400	1.10				940
7.5	17800	197	100900	1.10				900
								1010
6.8	21100	217.62*	89500	0.95	FA157 FAF157 F157 FF157	-	DRN160L4	760
8.3	17300	178.20*	102200	1.15				
9.0	15800	162.96	106100	1.25				
10	13800	141.80*	110700	1.45				
12	12200	125.14	113800	1.65				
14	10500	108.49	116500	1.90				
15	9380	96.53*	115600	2.1				
17	8340	85.80*	113000	2.4				
19	7620	78.46	111000	2.6				
22	6630	68.28*	107800	3.0				
24	5860	60.25	104900	3.4				
12	12200	125.37	88900	1.00	FA127 FAF127 F127 FF127	-	DRN160L4	500
13	11100	114.34	88300	1.10				540
15	9620	98.95	86900	1.25				540
17	8480	87.31*	85500	1.40				580
20	7330	75.41*	83700	1.65				
21	6810	70.07	82700	1.75				
16	8990	92.47*	46200	0.85	FA107 FAF107 F107 FF107	-	DRN160L4	360
17	8600	88.49	47300	0.90				380
18	8160	83.99	48500	0.95				375
20	7240	74.52	51000	1.05				400
22	6570	67.62	52700	1.15				
25	5650	58.12*	52200	1.35				
29	4930	50.73	51400	1.55				
34	4180	43.03	50300	1.85				
39	3650	37.61	49300	2.1				
46	3090	31.80	47900	2.5				
44	3280	33.79*	48400	2.3	FA107 FAF107 F107 FF107	-	DRN160L4	350
53	2680	27.57	46600	2.9				370
59	2440	25.14	45800	3.2				365
68	2110	21.76*	44400	3.7				390
33	4320	44.49	22900	1.00	FA97 FAF97 F97 FF97	-	DRN160L4	285
38	3780	38.86	23100	1.15				305
45	3160	32.50	23200	1.35				290
								325
43	3300	33.91	23200	1.30	FA97 FAF97 F97 FF97	-	DRN160L4	275
49	2950	30.39	23200	1.45				300
54	2670	27.44*	23000	1.60				285
59	2420	24.92	22900	1.80				315
67	2150	22.11	22600	2.0				
73	1950	20.07	22400	2.2				
85	1680	17.25*	21900	2.6				
98	1460	15.06	21400	2.9				
115	1240	12.77	20800	3.5				
132	1080	11.16	20200	3.8				

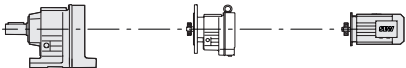
P_N = 15 kW

n_a min ⁻¹	M_a Nm	i	F_{Ra} N	SEW f_B				m kg
56	2570	26.50	12400	1.15	FA87 FAF87 F87 FF87	-	DRN160L4	215 230 220 235
62	2300	23.68	12600	1.30				
69	2070	21.32*	12800	1.45				
76	1880	19.31	12800	1.60				
86	1660	17.12	12900	1.80				
95	1500	15.48	12800	2.0				
112	1270	13.12*	12700	2.4				
129	1110	11.46	12600	2.7				
154	930	9.58	12300	3.1				
178	810	8.29	11700	1.90				
200	715	7.35	11500	2.1				
222	645	6.65	11300	2.4				
262	545	5.63	11000	2.8				
300	480	4.92	10700	3.2				
358	400	4.12	10300	3.7				

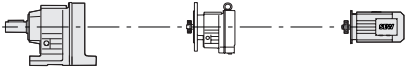
P_N = 18.5 kW

n_a min ⁻¹	M_a Nm	i	F_{Ra} N	SEW f_B				m kg
7.3	22600	202	74900	0.90	FA157 FAF157 F157 FF157	R97	DRN180M4	910
7.5	21900	197	86400	0.90				960
								930
								1030
8.3	21300	178.20*	88900	0.95	FA157 FAF157 F157 FF157	-	DRN180M4	780 840 800 910
9.1	19500	162.96	95600	1.05				
10	16900	141.80*	103200	1.20				
12	15000	125.14	108200	1.35				
14	13000	108.49	112300	1.55				
15	11500	96.53*	111200	1.75				
17	10300	85.80*	109100	1.95				
19	9380	78.46	107400	2.1				
22	8160	68.28*	104700	2.5				
25	7200	60.25	102100	2.8				
28	6240	52.24	99200	3.2				
45	3890	32.55	89100	5.1				
13	13700	114.34	82200	0.90	FA127 FAF127 F127 FF127	-	DRN180M4	520 560 560 600
15	11800	98.95	81600	1.00				
17	10400	87.31*	80900	1.15				
20	9010	75.41*	79700	1.35				
21	8380	70.07	79000	1.45				
23	7640	63.91	78000	1.55				
27	6610	55.31	76300	1.80				
30	5830	48.80	74800	2.1				
20	8910	74.52	46400	0.85	FA107 FAF107 F107 FF107	-	DRN180M4	380 400 395 425
22	8080	67.62	48700	0.95				
25	6950	58.12*	48700	1.10				
29	6060	50.73	48400	1.25				
34	5140	43.03	47700	1.50				
39	4500	37.61	47000	1.70				
46	3800	31.80	45900	2.0				
44	4040	33.79*	46300	1.85	FA107 FAF107 F107 FF107	-	DRN180M4	370 390 385 415
54	3300	27.57	44900	2.4				
59	3010	25.14	44200	2.6				
68	2600	21.76*	43100	3.0				

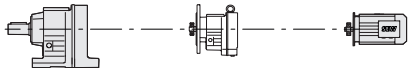
P_N = 18.5 kW

n_a min⁻¹	M_a Nm	i	F_{Ra} N	SEW f_B				m kg
38	4640	38.86	20100	0.95	FA97 FAF97 F97 FF97	-	DRN180M4	305
45	3880	32.50	20600	1.10				325
								310
								345
54	3280	27.44*	20900	1.30	FA97 FAF97 F97 FF97	-	DRN180M4	300
59	2980	24.92	20900	1.45				
67	2640	22.11	20900	1.65				
74	2400	20.07	20800	1.80				
86	2060	17.25*	20500	2.1				
98	1800	15.06	20200	2.4				
116	1530	12.77	19700	2.8				
132	1330	11.16	19300	3.1				
69	2550	21.32*	10900	1.20	FA87 FAF87 F87 FF87	-	DRN180M4	235
77	2310	19.31	11100	1.30				
86	2050	17.12	11400	1.45				
95	1850	15.48	11500	1.60				
113	1570	13.12*	11600	1.90				
129	1370	11.46	11600	2.2				
154	1150	9.58	11500	2.5				
178	990	8.29	10900	1.55				
201	880	7.35	10800	1.75				
222	795	6.65	10700	1.95				
262	675	5.63	10400	2.3				
300	590	4.92	10200	2.6				
359	490	4.12	9890	3.0				

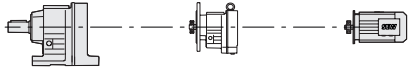
P_N = 22 kW

n_a min⁻¹	M_a Nm	i	F_{Ra} N	SEW f_B				m kg
9.1	23200	162.96	59000	0.85	FA157 FAF157 F157 FF157	-	DRN180L4	790
10	20200	141.80*	93200	1.00				
12	17800	125.14	100800	1.10				
14	15400	108.49	107100	1.30				
15	13700	96.53*	106800	1.45				
17	12200	85.80*	105200	1.65				
19	11200	78.46	103900	1.80				
22	9710	68.28*	101600	2.1				
25	8570	60.25	99400	2.3				
28	7430	52.24	96800	2.7				
32	6610	46.48*	94600	3.0				
37	5700	40.06	91700	3.5				
45	4630	32.55	87600	4.3				
15	14100	98.95	76400	0.85	FA127 FAF127 F127 FF127	-	DRN180L4	540
17	12400	87.31*	76300	0.95				
20	10700	75.41*	75700	1.10				
21	9970	70.07	75300	1.20				
23	9090	63.91	74600	1.30				
27	7870	55.31	73400	1.55				
30	6940	48.80	72200	1.75				
35	5990	42.15	70600	2.0				
25	8270	58.12*	45200	0.95	FA107 FAF107 F107 FF107	-	DRN180L4	395
29	7220	50.73	45300	1.05				
34	6120	43.03	45100	1.25				
39	5350	37.61	44700	1.45				
46	4520	31.80	44000	1.70				440

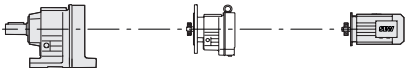
P_N = 22 kW

n_a min ⁻¹	M_a Nm	i	F_{Ra} N	SEW f_B				m kg
44	4810	33.79*	44300	1.55	FA107 FAF107 F107 FF107	-	DRN180L4	385
54	3920	27.57	43300	2.0				405
59	3580	25.14	42700	2.2				400
68	3100	21.76*	41800	2.5				430
77	2730	19.20*	40900	2.9				
54	3900	27.44*	18700	1.10	FA97 FAF97 F97 FF97	-	DRN180L4	315
59	3550	24.92	18900	1.20				335
67	3150	22.11	19100	1.35				320
74	2850	20.07	19200	1.50				355
86	2450	17.25*	19100	1.75				
98	2140	15.06	19000	2.0				
116	1820	12.77	18700	2.4				
132	1590	11.16	18400	2.6				
69	3030	21.32*	9030	1.00	FA87 FAF87 F87 FF87	-	DRN180L4	255
77	2750	19.31	9460	1.10				265
86	2440	17.12	9870	1.25				260
95	2200	15.48	10100	1.35				275
113	1870	13.12*	10400	1.60				
129	1630	11.46	10600	1.85				
154	1360	9.58	10600	2.1				
178	1180	8.29	10100	1.30				
201	1050	7.35	10100	1.45				
222	950	6.65	10000	1.60				
262	800	5.63	9890	1.90				
300	700	4.92	9740	2.2				
359	585	4.12	9490	2.5				

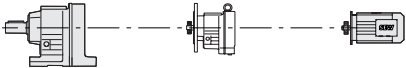
P_N = 30 kW

n_a min ⁻¹	M_a Nm	i	F_{Ra} N	SEW f_B				m kg
14	21000	108.49	90100	0.95	FA157 FAF157 F157 FF157	-	DRN200L4	900
15	18700	96.53*	96900	1.05				960
17	16600	85.80*	96400	1.20				920
19	15200	78.46	95800	1.30				1030
22	13200	68.28*	94500	1.50				
25	11700	60.25	93200	1.70				
28	10100	52.24	91400	2.0				
32	9000	46.48*	89800	2.2				
37	7750	40.06	87600	2.6				
45	6300	32.55	84200	3.2				
54	5340	27.60	81500	3.7				
20	14600	75.41*	64600	0.80	FA127 FAF127 F127 FF127	-	DRN200L4	650
21	13600	70.07	65700	0.90				690
23	12400	63.91	66800	0.95				680
27	10700	55.31	66700	1.10				730
30	9450	48.80	66300	1.25				
35	8160	42.15	65500	1.45				
40	7220	37.28	64600	1.65				
47	6060	31.33	63200	2.0				
58	4900	25.30	61100	2.5				
55	5200	26.86	61700	1.65	FA127 FAF127 F127 FF127	-	DRN200L4	640
60	4760	24.57	60800	1.80				670
69	4140	21.38	59300	2.9				670
78	3650	18.87	57900	3.0				720

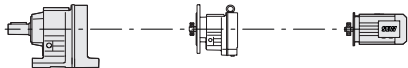
P_N = 30 kW

n_a min ⁻¹	M_a Nm	i	F_{Ra} N	SEW f_B				m kg
34	8330	43.03	39200	0.90	FA107 FAF107 F107 FF107	-	DRN200L4	500
39	7280	37.61	39600	1.05				530
47	6160	31.80	39700	1.25				520
								550
54	5340	27.57	39500	1.45	FA107 FAF107 F107 FF107	-	DRN200L4	495
59	4870	25.14	39300	1.60				
68	4210	21.76*	38800	1.85				
77	3720	19.20*	38300	2.1				
89	3210	16.58	37500	2.4				
101	2840	14.67	36900	2.7				
120	2390	12.33	35800	2.9				
149	1930	9.96	34400	3.4				
67	4280	22.11	15100	1.00	FA97 FAF97 F97 FF97	-	DRN200L4	425
74	3880	20.07	15500	1.10				
86	3340	17.25*	16000	1.30				
98	2910	15.06	16300	1.50				
116	2470	12.77	16400	1.75				
133	2160	11.16	16400	1.90				
163	1750	9.06	15400	1.35				
180	1590	8.22	15300	1.50				
209	1370	7.07	15100	1.70				
240	1190	6.17	14900	1.90				
283	1010	5.23	14600	2.1				
324	890	4.57	14300	2.3				

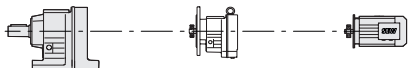
P_N = 37 kW

n_a min ⁻¹	M_a Nm	i	F_{Ra} N	SEW f_B				m kg
15	23000	96.53*	63700	0.85	FA157 FAF157 F157 FF157	-	DRN225S4	930
17	20500	85.80*	88600	1.00				
19	18700	78.46	88700	1.05				
22	16300	68.28*	88400	1.25				
25	14400	60.25	87800	1.40				
28	12500	52.24	86700	1.60				
32	11100	46.48*	85600	1.80				
37	9550	40.06	83900	2.1				
46	7760	32.55	81300	2.6				
54	6580	27.60	79000	3.0				
27	13200	55.31	59200	0.90	FA127 FAF127 F127 FF127	-	DRN225S4	680
30	11600	48.80	60800	1.05				
35	10000	42.15	61100	1.20				
40	8890	37.28	60700	1.35				
47	7470	31.33	59900	1.60				
59	6030	25.30	58400	2.0				
55	6400	26.86	58900	1.35	FA127 FAF127 F127 FF127	-	DRN225S4	670
60	5860	24.57	58200	1.45				
69	5100	21.38	57000	2.4				
79	4500	18.87	55900	2.5				
91	3900	16.36	54500	2.8				
102	3470	14.55	53300	3.2				
118	2990	12.54	51800	3.3				
145	2430	10.19	49500	3.9				
167	2110	8.86	47700	3.3				
188	1880	7.88	46400	3.2				

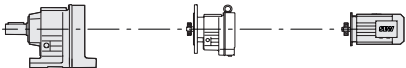
P_N = 37 kW

n_a min ⁻¹	M_a Nm	i	F_{Ra} N	SEW f_B				m kg
54	6570	27.57	36200	1.20	FA107 FAF107 F107 FF107	-	DRN225S4	530 550 540 570
59	5990	25.14	36300	1.30				
68	5190	21.76*	36200	1.50				
77	4580	19.20*	36000	1.70				
89	3950	16.58	35600	2.0				
101	3500	14.67	35100	2.2				
120	2940	12.33	34300	2.4				
149	2370	9.96	33200	2.7				
153	2310	9.69	32400	2.1				
177	2000	8.37	31600	2.4				
200	1770	7.40	31000	2.6				
238	1480	6.22	30000	3.1				

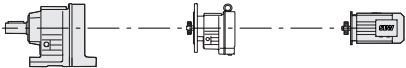
P_N = 45 kW

n_a min ⁻¹	M_a Nm	i	F_{Ra} N	SEW f_B				m kg
19	22800	78.46	70300	0.90	FA157 FAF157 F157 FF157	-	DRN225M4	930 990 950 1060
22	19800	68.28*	81400	1.00				
25	17500	60.25	81600	1.15				
28	15100	52.24	81300	1.30				
32	13500	46.48*	80800	1.50				
37	11600	40.06	79800	1.70				
46	9440	32.55	78000	2.1				
54	8000	27.60	76100	2.5				
30	14200	48.80	51600	0.85	FA127 FAF127 F127 FF127	-	DRN225M4	680 720 720 760
35	12200	42.15	54300	1.00				
40	10800	37.28	55800	1.10				
47	9080	31.33	56100	1.30				
59	7340	25.30	55400	1.65				
55	7790	26.86	55600	1.10	FA127 FAF127 F127 FF127	-	DRN225M4	670 710 700 750
60	7120	24.57	55200	1.20				
69	6200	21.38	54500	1.95				
79	5470	18.87	53600	2.0				
91	4740	16.36	52500	2.3				
102	4220	14.55	51600	2.6				
118	3640	12.54	50300	2.8				
145	2960	10.19	48300	3.2				
167	2570	8.86	46500	2.7				
188	2290	7.88	45400	2.6				
218	1970	6.80	44000	3.6				
268	1600	5.52	41900	3.8				
54	7990	27.57	31500	1.00	FA107 FAF107 F107 FF107	-	DRN225M4	530 550 540 570
59	7290	25.14	32600	1.10				
68	6310	21.76*	33200	1.25				
77	5570	19.20*	33300	1.40				
89	4810	16.58	33300	1.65				
101	4250	14.67	33100	1.80				
120	3570	12.33	32600	1.95				
149	2890	9.96	31900	2.3				
153	2810	9.69	30900	1.75				
177	2430	8.37	30400	2.0				
200	2150	7.40	29800	2.1				
238	1800	6.22	29000	2.6				

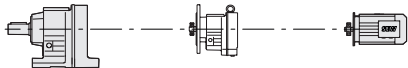
P_N = 55 kW

n_a min⁻¹	M_a Nm	i	F_{Ra} N	SEW f_B				m kg
25	21400	60.25	73800	0.95	FA157 FAF157 F157 FF157	-	DRN250M4	1080
28	18500	52.24	74600	1.10				1140
32	16500	46.48*	74800	1.20				1110
37	14200	40.06	74700	1.40				1210
46	11500	32.55	73800	1.75				
54	9780	27.60	72600	2.0				
52	10100	28.60*	72900	1.90	FA157 FAF157 F157 FF157	-	DRN250M4	1080
58	9010	25.43	71900	2.2				1140
67	7850	22.16	70600	2.5				1100
75	7010	19.77	69400	2.8				1210
88	5970	16.85	67500	3.1				
40	13200	37.28	47000	0.90	FA127 FAF127 F127 FF127	-	DRN250M4	830
47	11100	31.33	50000	1.10				870
59	8970	25.30	51600	1.35				870
69	7580	21.38	51300	1.60				910
79	6690	18.87	50800	1.65				
91	5800	16.36	50100	1.90				
102	5160	14.55	49400	2.1	FA127 FAF127 F127 FF127	-	DRN250M4	820
118	4450	12.54	48400	2.3				850
145	3610	10.19	46800	2.6				850
167	3140	8.86	45100	2.2				900
188	2790	7.88	44100	2.2				
218	2410	6.80	42900	2.9				
268	1960	5.52	41000	3.1				
317	1660	4.68	39600	3.6				

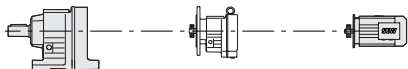
P_N = 75 kW

n_a min⁻¹	M_a Nm	i	F_{Ra} N	SEW f_B				m kg
32	22500	46.48*	62900	0.90	FA157 FAF157 F157 FF157	-	DRN280S4	1130
37	19400	40.06	64400	1.05				1190
46	15700	32.55	65400	1.25				1150
54	13300	27.60	65500	1.50				1260
52	13800	28.60*	65500	1.40	FA157 FAF157 F157 FF157	-	DRN280S4	1130
58	12300	25.43	65400	1.65				1190
67	10700	22.16	64900	1.85				1150
75	9550	19.77	64300	2.0				1260
88	8140	16.85	63200	2.3				
106	6750	13.96	61600	2.7				
124	5760	11.92	60100	3.0				
59	12200	25.30	40000	1.00	FA127 FAF127 F127 FF127	-	DRN280S4	880
								920
								910
								960

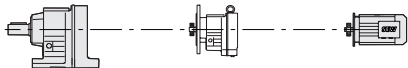
P_N = 75 kW

n_a min ⁻¹	M_a Nm	i	F_{Ra} N	SEW f_B			m kg
69	10300	21.38	43000	1.15	FA127 FAF127 F127 FF127	-	DRN280S4
79	9120	18.87	44400	1.20			
91	7900	16.36	45200	1.40			
102	7030	14.55	45000	1.55			
118	6060	12.54	44600	1.65			
145	4930	10.19	43700	1.95			
167	4280	8.86	42200	1.65			
188	3810	7.88	41600	1.55			
218	3280	6.80	40700	2.1			
268	2670	5.52	39300	2.3			
317	2260	4.68	38100	2.7			
							870 900 900 950

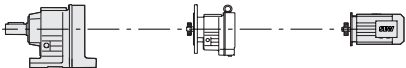
P_N = 90 kW

n_a min ⁻¹	M_a Nm	i	F_{Ra} N	SEW f_B			m kg
37	23200	40.06	56600	0.85	FA157 FAF157 F157 FF157	-	DRN280M4
46	18900	32.55	59100	1.05			
54	16000	27.60	60200	1.25			
67	12900	22.16	60600	1.55	FA157 FAF157 F157 FF157	-	DRN280M4
75	11500	19.77	60500	1.70			
88	9780	16.85	59900	1.90			
106	8100	13.96	58900	2.2			
124	6920	11.92	57800	2.5			
59	14700	25.30	29600	0.80	FA127 FAF127 F127 FF127	-	DRN280M4
91	9490	16.36	39900	1.15	FA127 FAF127 F127 FF127	-	DRN280M4
102	8440	14.55	41100	1.30			
118	7280	12.54	41800	1.35			
145	5910	10.19	41400	1.60			
167	5140	8.86	40100	1.35			
188	4570	7.88	39700	1.30			
218	3940	6.80	39000	1.80			
268	3200	5.52	37900	1.85			
316	2720	4.68	36900	2.2			
							1250 1310 1270 1380 1240 1300 1260 1370 990 1030 1030 1070 980 1020 1020 1060

P_N = 110 kW

n_a min ⁻¹	M_a Nm	i	F_{Ra} N	SEW f_B			m kg
46	23000	32.55	50800	0.85	FA157 FAF157 F157 FF157	-	DRN315S4
54	19500	27.60	53100	1.05			
67	15600	22.16	54900	1.25	FA157 FAF157 F157 FF157	-	DRN315S4
75	14000	19.77	55400	1.40			
88	11900	16.85	55600	1.55			
107	9860	13.96	55300	1.80			
125	8410	11.92	54700	2.1			
							1490 1550 1510 1620 1490 1550 1510 1610

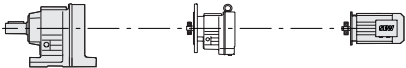
P_N = 132 kW

n_a min ⁻¹	M_a Nm	i	F_{Ra} N	SEW f_B				m kg
67	18800	22.16	48700	1.05	FA157 FAF157 F157 FF157	-	DRN315M4	1510
75	16700	19.77	49800	1.15				1570
88	14300	16.85	50900	1.30				1530
107	11800	13.96	51400	1.50				1630
125	10100	11.92	51400	1.70				

P_N = 160 kW

n_a min^{-1}	M_a Nm	i	F_{Ra} N	SEW f_B				m kg
88	17300	16.85	44800	1.10	FA157	-	DRN315L4	1640
106	14400	13.96	46400	1.25	FAF157			1700
125	12300	11.92	47100	1.40	F157			1660
					FF157			1770

P_N = 200 kW

n_a min ⁻¹	M_a Nm	i	F_{Ra} N	SEW f_B				m kg
88	21600	16.85	36200	0.85	FA157 FAF157 F157 FF157	-	DRN315H4	1760
107	17900	13.96	39200	1.00				1820
125	15300	11.92	41000	1.15				1780
								1880