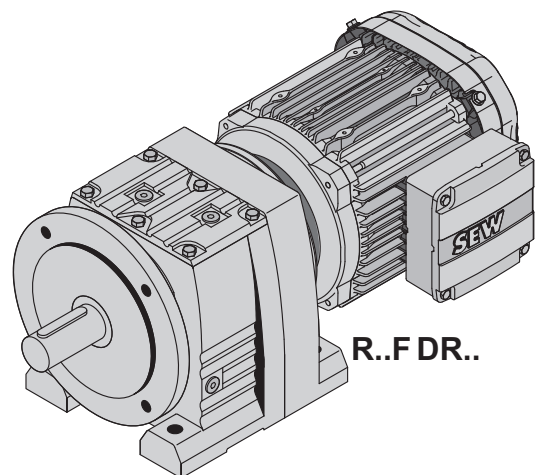
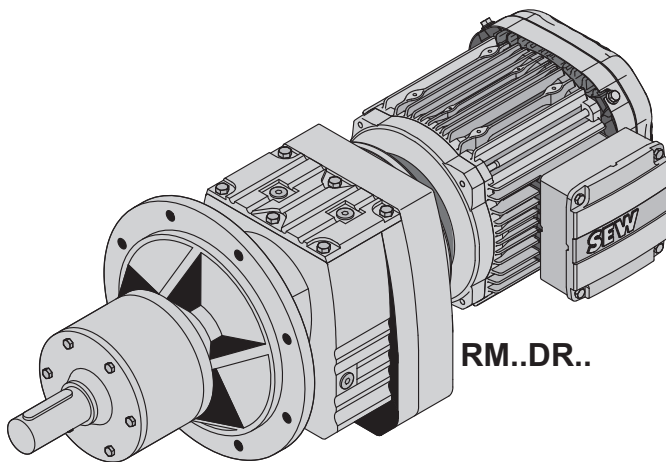
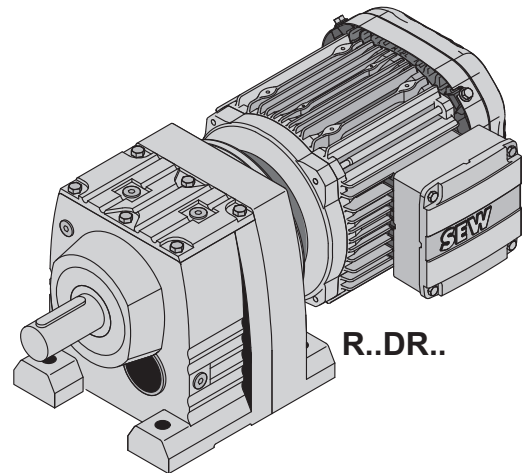
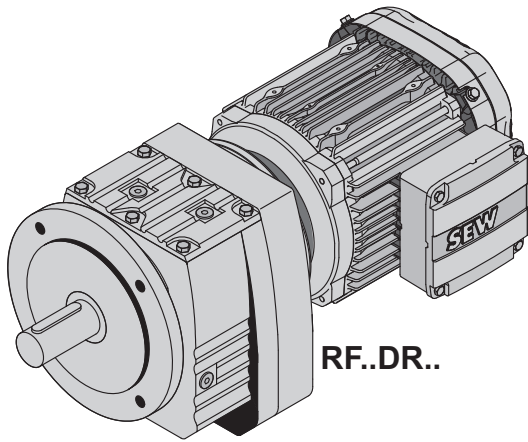


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8.1 R..DRN.. designs

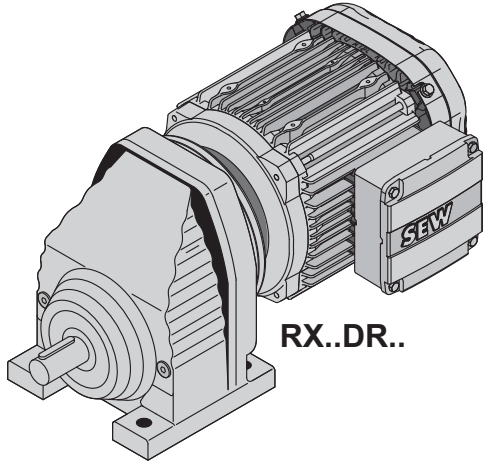


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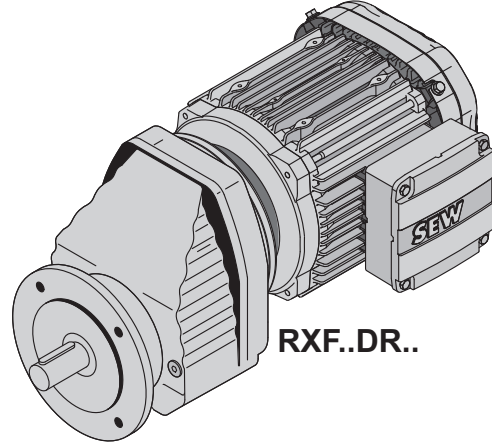
8

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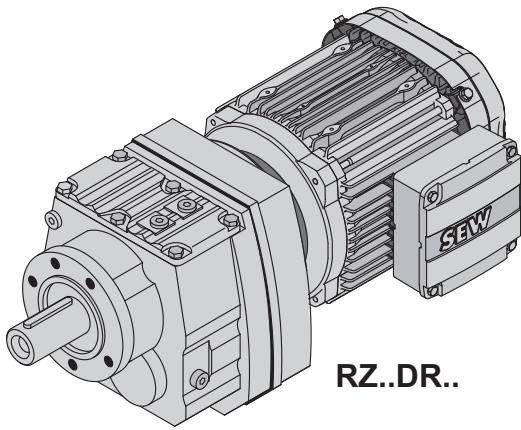
R..DRN.. designs



RX..DR..



RXF..DR..





RZ..DR..


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8.2 Possible geometrical combinations of R..DRN..


RX57, $n_e=1400$ 1/min										69 Nm
n_a 1/min	M_{amax} Nm	F_{Ra} N	$\varphi_{(R)}$ °	i	DR63S DR63M DR63L DRS71S DRS71M	DRN80M DRN90S	DRN90L	DRN100LS DRN100L	DRN112M	DRN132S DRN132M
 1										
255	39	3100	-	5.50*						
276	36	3030	-	5.07						
322	68	2640	-	4.35						
369	69	2480	-	3.79						
394	69	2420	-	3.55*						
446	65	2320	-	3.14						
481	67	2170	-	2.91						
530	69	1810	-	2.64*						
591	69	1500	-	2.37						
686	69	1070	-	2.04						
729	69	880	-	1.92*						
848	69	430	-	1.65						
946	68	112	-	1.48						
1075	63	132	-	1.30						

RX67, $n_e=1400$ 1/min										134 Nm
n_a 1/min	M_{amax} Nm	F_{Ra} N	$\varphi_{(R)}$ °	i	DR63S DR63M DR63L DRS71S DRS71M	DRN80M DRN90S	DRN90L	DRN100LS DRN100L	DRN112M	DRN132S DRN132M
 1										
231	43	4000	-	6.07						
270	75	3580	-	5.18						
309	82	3350	-	4.53						
326	80	3300	-	4.30*						
371	87	3090	-	3.77						
438	100	2800	-	3.20*						
484	106	2640	-	2.89						
551	118	2000	-	2.54						
583	123	1530	-	2.40*						
686	134	230	-	2.04						
753	126	225	-	1.86						
870	114	245	-	1.61						
1000	104	205	-	1.40*						


RX77, $n_e=1400$ 1/min										215 Nm	
n_a 1/min	M_{amax} Nm	F_{Ra} N	$\varphi_{(R)}$ °	i	DR63S DR63M DR63L DRS71S DRS71M	DRN80M DRN90S	DRN90L	DRN100LS DRN100L	DRN112M	DRN132S DRN132M	DRN132L DRN160M DRN160L
 1											
175	57	6330	-	8.00*							
187	53	6200	-	7.47							
218	103	5600	-	6.41							
249	110	5300	-	5.63							



RX77, $n_e=1400$ 1/min										215 Nm	
n_a 1/min	M_{amax} Nm	F_{Ra} N	$\Phi_{(R)}$ '	i	DR63S DR63M DR63L DRS71S DRS71M	DRN80M DRN90S	DRN90L	DRN100LS DRN100L	DRN112M	DRN132S DRN132M	DRN132L DRN160M DRN160L
262	103	5240	-	5.35*							
296	123	4890	-	4.73							
347	143	4490	-	4.04*							
378	153	4280	-	3.70							
431	182	3140	-	3.25*							
455	193	2490	-	3.08*							
519	215	1030	-	2.70							
576	215	425	-	2.43							
657	200	360	-	2.13							
745	187	255	-	1.88*							
838	173	240	-	1.67							
986	155	240	-	1.42							

RX87, $n_e=1400$ 1/min										405 Nm			
n_a 1/min	M_{amax} Nm	F_{Ra} N	$\Phi_{(R)}$ '	i	DRS71M	DRN80M DRN90S	DRN90L	DRN100LS DRN100L	DRN112M	DRN132S DRN132M	DRN132L DRN160M DRN160L	DRN180M DRN180L	DRN200L
 1													
162	139	7890	-	8.65									
183	149	7500	-	7.63									
194	140	7380	-	7.20*									
217	192	6860	-	6.45									
252	225	6330	-	5.56*									
276	250	5990	-	5.07									
311	290	5520	-	4.50*									
370	305	5050	-	3.78									
402	405	2810	-	3.48									
453	405	2030	-	3.09									
507	405	1200	-	2.76*									
565	405	470	-	2.48									
651	385	42	-	2.15									
725	355	185	-	1.93									
875	315	74	-	1.60*									
1005	290	74	-	1.39									

RX97, $n_e=1400$ 1/min										595 Nm			
n_a 1/min	M_{amax} Nm	F_{Ra} N	$\Phi_{(R)}$ '	i	DRS71M	DRN80M DRN90S	DRN90L	DRN100LS DRN100L	DRN112M	DRN132S DRN132M	DRN132L DRN160M DRN160L	DRN180M DRN180L	DRN200L DRN225S
 1													
170	225	9570	-	8.23									
196	260	8960	-	7.16*									
213	300	8510	-	6.56									
242	420	7650	-	5.79									
285	395	7240	-	4.91									
310	595	6210	-	4.52									
347	595	5450	-	4.04									
385	595	4610	-	3.64*									
424	595	3820	-	3.30									

RX97, n _e =1400 1/min						595 Nm							
n _a 1/ min	M _{amax} Nm	F _{Ra} N	φ _(R) '	i	DRS71M	DRN80M DRN90S	DRN90L	DRN100LS DRN100L	DRN112M	DRN132S DRN132M	DRN132L DRN160M DRN160L	DRN180M DRN180L	DRN200L DRN225S
479	595	2890	-	2.92									
530	595	2020	-	2.64									
625	595	545	-	2.24*									
714	570	19	-	1.96									
854	505	51	-	1.64									
986	455	132	-	1.42									

RX107, n _e =1400 1/min						830 Nm					
n _a 1/min	M _{amax} Nm	F _{Ra} N	φ _(R) '	i	DRN100LS DRN100L	DRN112M	DRN132S DRN132M	DRN132L DRN160M DRN160L	DRN180M DRN180L	DRN200L DRN225S DRN225M	
 1											
211	460	9660	-	6.63*							
250	455	9040	-	5.61							
270	695	7780	-	5.19							
301	695	7380	-	4.65							
333	830	6140	-	4.20*							
367	830	5260	-	3.81							
414	830	4190	-	3.38							
456	830	3300	-	3.07							
530	830	1850	-	2.64*							
609	830	760	-	2.30							
718	765	420	-	1.95							
819	705	345	-	1.71							
972	645	315	-	1.44							

R07, n _e =1400 1/min						50 Nm					
n _a 1/min	M _{amax} Nm	F _{Ra} N	φ _(R) '	i	DT56M DT56L DR63S DR63M DR63L DRS71S DRS71M						
 3											
18	50	1510	-	78.24							
20	50	1510	-	71.47							
23	50	1510	-	60.32							
27	50	1510	-	51.52							
29	50	1470	-	47.78							
32	50	1420	-	44.16							
34	50	1380	-	41.31							
35	50	1370	-	40.34							
36	50	1340	-	38.51							
41	50	1270	-	34.05							
48	50	1190	-	29.08							
52	50	1150	-	26.97							
60	50	1080	-	23.32							
64	50	1040	-	21.73							
 2											
76	50	960	-	18.31							



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Possible geometrical combinations of R..DRN..

R07, $n_e=1400$ 1/min					50 Nm
n_a 1/min	M_{amax} Nm	F_{Ra} N	$\Phi_{(R)}$ '	i	DT56M DT56L DR63S DR63M DR63L DRS71S DRS71M
84	50	920	-	16.73	
99	50	850	-	14.12	
116	50	790	-	12.06	
125	50	760	-	11.18	
145	50	710	-	9.67	
155	50	685	-	9.01	
178	49	645	-	7.85	
187	43	595	-	7.48	
205	43	535	-	6.83	
243	40	530	-	5.76	
285	37	530	-	4.92	
306	36	520	-	4.57	
354	34	505	-	3.95	
380	33	500	-	3.68	
436	31	495	-	3.21	

R17, $n_e=1400$ 1/min					85 Nm
n_a 1/min	M_{amax} Nm	F_{Ra} N	$\Phi_{(R)}$ '	i	DR63S DR63M DR63L DRS71S DRS71M DRN80M
 3					
17	85	1770	-	81.64	
20	85	1770	-	70.39	
21	85	1770	-	65.61	
24	85	1770	-	57.35	
26	85	1770	-	53.76	
30	85	1770	-	47.44	
32	85	1770	-	44.18	
36	85	1770	-	38.61	
39	85	1770	-	36.20	
44	85	1770	-	31.94	
49	85	1770	-	28.32	
58	85	1650	-	24.07	
 2					
55	85	1680	-	25.23	
60	85	1620	-	23.15	
71	85	1500	-	19.71	
82	85	1400	-	16.99	
88	85	1350	-	15.84	
101	85	1270	-	13.84	
108	85	1230	-	12.98	
122	81	1180	-	11.45	
138	77	1140	-	10.15	
162	72	1090	-	8.63	
185	56	1040	-	7.55	
199	55	1010	-	7.04	

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R17, n _e =1400 1/min					85 Nm	
n _a 1/min	M _{amax} Nm	F _{Ra} N	φ _(R) °	i	DR63S DR63M DR63L DRS71S DRS71M	DRN80M
228	54	950	-	6.15		
243	53	930	-	5.76		
275	51	890	-	5.09		
310	48	870	-	4.51		
366	45	820	-	3.83		







R27, n _e =1400 1/min					130 Nm			
n _a 1/min	M _{amax} Nm	F _{Ra} N	φ _(R) °	i	DR63S DR63M DR63L DRS71S DRS71M	DRN80M DRN90S	DRN90L	DRN100LS DRN100L
 3								
10	130	4230	-	135.09				
11	130	4230	-	123.91				
13	130	4230	-	105.49				
15	130	4230	-	90.96				
17	130	4230	-	84.78				
19	130	4230	-	74.11				
20	130	4180	-	69.47				
23	130	3980	-	61.30				
25	130	3840	-	55.87				
29	130	3630	-	48.17				
31	130	3530	-	44.90				
36	130	3350	-	39.25				
38	130	3260	-	36.79				
43	130	3100	-	32.47				
49	130	2950	-	28.78				
57	130	2760	-	24.47				
 2								
49	130	2940	-	28.37				
54	130	2840	-	26.09				
63	130	2660	-	22.32				
72	130	2510	-	19.35				
77	130	2440	-	18.08				
90	130	2290	-	15.63				
105	130	2140	-	13.28*				
118	129	1980	-	11.86				
138	122	1890	-	10.13				
149	122	900	-	9.41				
172	116	870	-	8.16				
183	112	900	-	7.63*				
212	106	880	-	6.59				
250	99	880	-	5.60*				
280	95	860	-	5.00*				
328	87	920	-	4.27				
350	85	900	-	4.00*				
415	79	900	-	3.37				

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Possible geometrical combinations of R..DRN..

R27R17, $n_e=1400$ 1/min					130 Nm	
n_a 1/min	M_{amax} Nm	F_{Ra} N	$\Phi_{(R)}$ '	i	DR63S DR63M DR63L DRS71S DRS71M	DRN80M
 3  3						
0.16	130	4230	-	8612		
0.19	130	3320	-	7425		
0.20	130	4230	-	6921		
0.23	130	4230	-	6050		
0.27	130	3320	-	5217		
0.30	130	4230	-	4661		
0.34	130	3320	-	4073		
0.40	130	4230	-	3516		
0.44	130	4230	-	3160		
0.51	130	4230	-	2763		
0.58	130	4230	-	2414		
0.66	130	4230	-	2110		
0.75	130	4230	-	1862		
0.86	130	3320	-	1625		
0.98	130	4230	-	1434		
1.1	130	4230	-	1254		
 2  3						
0.77	130	4230	-	1822		
0.89	130	4230	-	1580		
0.96	130	4230	-	1464		
1.1	130	4230	-	1270		
1.3	130	4230	-	1100		
1.4	130	4230	-	972		
1.7	130	4230	-	840		
1.9	130	4230	-	741		
2.1	130	4230	-	654		
2.5	130	4230	-	566		
2.8	130	4230	-	499		
 3  2						
1.3	130	4230	-	1101		
1.5	130	4230	-	962		
1.7	130	3320	-	848		
1.9	130	3320	-	743		
2.2	130	4230	-	649		
2.5	130	4230	-	567		
2.8	130	4230	-	509		
3.2	130	4230	-	432		
3.6	130	4230	-	387		
4.1	130	3320	-	339		
4.7	130	3320	-	296		
5.4	130	4230	-	259		
6.1	130	4230	-	229		
7.0	130	4230	-	200		
7.9	130	3320	-	177		
8.4	130	4230	-	166		
9.3	130	4230	-	150		
9.9	130	4230	-	141		
11	130	3320	-	124		

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R27R17, $n_e=1400$ 1/min					130 Nm	
n_a 1/min	M_{amax} Nm	F_{Ra} N	$\Phi_{(R)}$ '	i	DR63S DR63M DR63L DRS71S DRS71M	DRN80M
13	130	4230	-	110		
15	130	4230	-	94		
 2  2						
3.2	130	4230	-	440		
3.7	130	4230	-	381		
4.3	130	4230	-	329		
4.8	130	4230	-	290		
5.5	130	4230	-	256		
6.2	130	4230	-	227		
6.9	130	4230	-	203		
7.8	130	4230	-	179		
9.0	130	4230	-	156		
10	130	4230	-	135		
12	130	4230	-	118		
13	130	4230	-	104		
16	130	4230	-	90		

R37, $n_e=1400$ 1/min					200 Nm			
n_a 1/min	M_{amax} Nm	F_{Ra} N	$\Phi_{(R)}$ '	i	DR63S DR63M DR63L DRS71S DRS71M	DRN80M DRN90S	DRN90L	DRN100LS DRN100L
 3								
10	200	4940	7.9	134.82				
11	200	4940	8	123.66				
13	200	4940	8	105.28				
15	200	4940	8	90.77				
17	200	4940	8	84.61				
19	200	4940	8	73.96				
20	200	4940	8	69.33				
23	200	4940	8.1	61.18				
25	200	4940	8.7	55.76				
29	200	4940	8.7	48.08				
31	200	4940	8.8	44.81				
36	200	4760	8.8	39.17				
38	200	4540	8.9	36.72				
43	200	4120	8.9	32.40				
49	200	3740	9	28.73				
57	200	3240	9	24.42				
 2								
49	200	3690	7.3	28.32				
54	185	3860	7.4	26.03				
63	200	2970	7.4	22.27				
73	200	2570	7.5	19.31				
78	200	2390	7.5	18.05				
90	200	2010	7.7	15.60				
106	190	1880	7.9	13.25				
118	183	1810	8	11.83				







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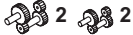

Helical gearmotors


Possible geometrical combinations of R..DRN..

R37, $n_e=1400$ 1/min					200 Nm			
n_a 1/min	M_{amax} Nm	F_{Ra} N	$\Phi_{(R)}$ '	i	DR63S DR63M DR63L DRS71S DRS71M	DRN80M DRN90S	DRN90L	DRN100LS DRN100L
138	170	1820	8.1	10.11				
148	167	1760	8.2	9.47				
176	156	1720	8.4	7.97				
210	144	1000	12.1	6.67				
247	142	760	12.4	5.67				
277	135	790	12.7	5.06				
324	126	820	13	4.32				
346	122	840	13.2	4.05				
411	112	900	13.7	3.41				


R37R17, $n_e=1400$ 1/min					200 Nm			
n_a 1/min	M_{amax} Nm	F_{Ra} N	$\Phi_{(R)}$ '	i	DR63S DR63M DR63L DRS71S DRS71M	DRN80M		
					 3  3			
0.16	200	4940	-	8595				
0.19	200	4940	-	7411				
0.20	200	4940	-	6907				
0.23	200	4940	-	6038				
0.27	200	4940	-	5206				
0.30	200	4940	-	4651				
0.34	200	4940	-	4065				
0.38	200	4940	-	3658				
0.44	200	4940	-	3154				
0.51	200	4940	-	2757				
0.58	200	4940	-	2409				
0.66	200	4940	-	2106				
0.75	200	4940	-	1856				
0.86	200	4940	-	1622				
0.98	200	4940	-	1431				
1.1	200	4940	-	1251				
					 2  3			
0.77	200	4940	-	1818				
0.89	200	4940	-	1576				
1.0	200	4940	-	1359				
1.1	200	4940	-	1267				
1.3	200	4940	-	1098				
1.4	200	4940	-	970				
1.7	200	4940	-	839				
1.9	200	4940	-	740				
2.1	200	4940	-	653				
2.4	200	4940	-	577				
2.8	200	4940	-	498				
					 3  2			
1.3	200	4940	-	1099				
1.5	200	4940	-	960				
1.7	200	4940	-	847				

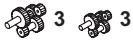

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R37R17, n _e =1400 1/min					200 Nm	
n _a 1/min	M _{amax} Nm	F _{Ra} N	φ _(R) °	i	DR63S DR63M DR63L DRS71S DRS71M	DRN80M
1.9	200	4940	-	741		
2.2	200	4940	-	647		
2.5	200	4940	-	566		
2.8	200	4940	-	508		
3.2	200	4940	-	431		
3.6	200	4940	-	387		
4.1	200	4940	-	338		
4.7	200	4940	-	296		
5.4	200	4940	-	259		
6.1	200	4940	-	228		
7.0	200	4940	-	199		
8.1	200	4940	-	172		
9.3	200	4940	-	150		
11	200	4940	-	130		
11	200	4940	-	124		
13	200	4940	-	110		
15	200	4940	-	94		
 2  2						
3.2	200	4940	-	439		
3.7	200	4940	-	378		
4.3	200	4940	-	328		
4.8	200	4940	-	289		
5.3	200	4940	-	265		
6.2	200	4940	-	226		
6.9	200	4940	-	202		
7.8	200	4940	-	179		
9.0	200	4940	-	156		
10	200	4940	-	135		
11	200	4940	-	127		
13	200	4940	-	104		
16	200	4940	-	90		

R47, n _e =1400 1/min					300 Nm					
n _a 1/min	M _{amax} Nm	F _{Ra} N	φ _(R) °	i	DR63S DR63M DR63L DRS71S DRS71M	DRN80M DRN90S	DRN90L	DRN100LS DRN100L	DRN112M	DRN132S
 3										
7.9	300	5420	6.9	176.88						
8.6	300	5420	6.9	162.94						
10	300	5420	6.9	139.99						
11	300	5420	6.9	121.87						
12	300	5420	6.9	114.17						
14	300	5420	7	100.86						
15	300	5420	7	93.68						
16	300	5420	7	84.90						
18	300	5420	7	76.23						
20	300	5420	7.6	68.54						
22	300	5420	7.6	64.21						

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R47, $n_e=1400$ 1/min					300 Nm					
n_a 1/min	M_{amax} Nm	F_{Ra} N	$\Phi_{(R)}$ °	i	DR63S DR63M DR63L DRS71S DRS71M	DRN80M DRN90S	DRN90L	DRN100LS DRN100L	DRN112M	DRN132S
25	300	5420	7.6	56.73						
27	300	5350	7.6	52.69						
29	300	5140	7.7	47.75						
33	300	4930	7.7	42.87						
38	300	4630	7.7	36.93						
40	300	4520	7.7	34.73						
47	300	4240	7.8	29.88						
52	300	4050	7.9	26.70						
59	300	3840	8	23.59						
 2										
41	240	4680	6.5	33.79						
45	220	4610	6.5	31.12						
52	300	4050	6.6	26.74						
60	300	3820	6.6	23.28						
64	300	3710	6.7	21.81						
73	295	3530	6.8	19.27						
78	290	3390	6.8	17.89						
86	275	3350	6.9	16.22						
96	265	3230	7	14.56						
112	250	3080	7.1	12.54						
119	245	3020	7.1	11.79						
138	230	2880	7.3	10.15						
154	220	2780	7.7	9.07						
175	205	2690	7.8	8.01						
180	163	2720	9.5	7.76*						
201	159	2620	9.7	6.96						
233	156	2470	9.9	6.00						
248	155	2410	10	5.64*						
289	150	2280	10.3	4.85						
323	146	2190	11.1	4.34						
366	144	2080	11.4	3.83						

R47R37, $n_e=1400$ 1/min					300 Nm					
n_a 1/min	M_{amax} Nm	F_{Ra} N	$\Phi_{(R)}$ °	i	DR63S DR63M DR63L DRS71S DRS71M	DRN80M DRN90S	DRN90L	DRN100LS DRN100L	DRN112M	DRN132S
 3  3										
0.10	300	5420	-	13598						
0.11	300	5420	-	12472						
0.13	300	5420	-	10619						
0.15	300	5420	-	9155						
0.16	300	5420	-	8534						
0.19	300	5420	-	7460						
0.20	300	5420	-	6993						
0.23	300	5420	-	6171						
0.25	300	5420	-	5624						
0.29	300	5420	-	4849						
0.31	300	5420	-	4520						

R47R37, n _e =1400 1/min					300 Nm			
n _a 1/min	M _{amax} Nm	F _{Ra} N	φ _(R) '	i	DR63S DR63M DR63L DRS71S DRS71M	DRN80M DRN90S	DRN90L	DRN100LS DRN100L
0.35	300	5420	-	3951				
0.38	300	5420	-	3704				
0.43	300	5420	-	3268				
0.48	300	5420	-	2898				
0.57	300	5420	-	2463				
 2  3								
0.54	300	5420	-	2598				
0.59	300	5420	-	2383				
0.69	300	5420	-	2029				
0.80	300	5420	-	1749				
0.86	300	5420	-	1630				
0.98	300	5420	-	1425				
1.0	300	5420	-	1336*				
1.2	300	5420	-	1179				
1.3	300	5420	-	1074				
1.5	300	5420	-	927				
1.6	300	5420	-	863				
1.9	300	5420	-	755				
2.0	300	5420	-	708				
2.2	300	5420	-	624				
2.5	300	5420	-	554				
3.0	300	5420	-	471				
 3  2								
0.49	300	5420	-	2856				
0.53	300	5420	-	2625				
0.62	300	5420	-	2246				
0.72	300	5420	-	1948				
0.77	300	5420	-	1821				
0.89	300	5420	-	1573				
1.2	300	5420	-	1193				
1.4	300	5420	-	1020				
1.5	300	5420	-	955				
1.7	300	5420	-	804				
2.1	300	5420	-	673				
2.4	300	5420	-	572				
2.7	300	5420	-	510				
3.2	300	5420	-	436				
3.4	300	5420	-	408				
4.1	300	5420	-	344				
 2  2								
2.6	300	5420	-	546				
2.8	300	5420	-	502				
3.3	300	5420	-	429				
3.8	300	5420	-	372				
4.0	300	5420	-	348				
4.7	300	5420	-	301				
5.5	300	5420	-	255				
6.1	300	5420	-	228				
7.2	300	5420	-	195				



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Possible geometrical combinations of R..DRN..

R47R37, $n_e=1400$ 1/min					300 Nm			
n_a 1/min	M_{amax} Nm	F_{Ra} N	$\Phi_{(R)}$ °	i	DR63S DR63M DR63L DRS71S DRS71M	DRN80M DRN90S	DRN90L	DRN100LS DRN100L
7.7	300	5420	-	182				
9.1	300	5420	-	154				
11	300	5420	-	129				
13	300	5420	-	109				
14	300	5420	-	98				

R57, $n_e=1400$ 1/min					450 Nm					
n_a 1/min	M_{amax} Nm	F_{Ra} N	$\Phi_{(R)}$ °	i	DR63S DR63M DR63L DRS71S DRS71M	DRN80M DRN90S	DRN90L	DRN100LS DRN100L	DRN112M	DRN132S DRN132M
 3										
7.5	450	7100	6.9	186.89						
8.1	450	7100	6.9	172.17						
9.5	450	7100	6.9	147.92						
11	450	7100	6.9	128.77						
12	450	7100	6.9	120.63						
13	450	7100	7	106.58						
14	450	7100	7	98.99						
16	450	7100	7	89.71						
17	450	7100	7	80.55						
20	450	7100	7.5	69.23						
22	450	6980	7.5	64.85						
24	450	6630	7.6	57.29						
26	450	6430	7.6	53.22						
29	450	6170	7.6	48.23						
32	450	5900	7.6	43.30						
38	450	5530	7.6	37.30*						
40	450	5390	7.7	35.07						
46	450	5040	7.7	30.18						
52	450	4800	7.8	26.97						
 2										
53	450	4750	6.4	26.31						
56	450	4640	6.5	24.99*						
64	450	4370	6.6	21.93						
75	450	4050	6.7	18.60*						
83	450	3860	6.7	16.79						
95	435	3690	6.8	14.77*						
100	430	3610	6.8	13.95*						
118	405	3430	6.9	11.88						
130	390	3330	7.2	10.79						
150	370	3180	7.4	9.35						
155	375	2010	8.7	9.06						
176	355	2020	8.8	7.97						
186	350	1950	8.8	7.53						
218	335	1770	9	6.41						
241	320	1820	9.6	5.82						
277	305	1730	9.9	5.05						
319	280	1900	10.1	4.39						

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R57R37, n _e =1400 1/min					450 Nm			
n _a 1/min	M _{amax} Nm	F _{Ra} N	φ _(R) '	i	DR63S DR63M DR63L DRS71S DRS71M	DRN80M DRN90S	DRN90L	DRN100LS DRN100L
 3  3								
0.10	450	7100	-	14369				
0.12	450	7100	-	12095				
0.13	450	7100	-	10860				
0.15	450	7100	-	9445				
0.17	450	7100	-	8480				
0.19	450	7100	-	7312				
0.21	450	7100	-	6521				
0.25	450	7100	-	5585				
0.28	450	7100	-	4928				
0.32	450	7100	-	4378				
0.36	450	7100	-	3873				
0.42	450	7100	-	3344				
0.48	450	7100	-	2907				
0.55	450	7100	-	2567				
0.62	450	7100	-	2244				
0.71	450	7100	-	1967				
 2  3								
0.47	450	7100	-	2957				
0.56	450	7100	-	2508				
0.61	450	7100	-	2309				
0.70	450	7100	-	1991				
0.79	450	7100	-	1768				
0.92	450	7100	-	1520				
1.0	450	7100	-	1342*				
1.2	450	7100	-	1164				
1.4	450	7100	-	1027				
1.6	450	7100	-	894				
1.7	450	7100	-	805				
2.0	450	7100	-	683				
2.3	450	7100	-	603				
2.6	450	7100	-	534				
3.1	450	7100	-	454				
3.4	450	7100	-	410				
 3  2								
0.81	450	7100	-	1732				
0.90	450	7100	-	1555				
1.0	450	7100	-	1399				
1.2	450	7100	-	1189				
1.4	450	7100	-	1034				
1.8	450	7100	-	782				
2.1	450	7100	-	678				
2.3	450	7100	-	604				
2.6	450	7100	-	537				
3.0	450	7100	-	471				
3.9	450	7100	-	357				
4.4	450	7100	-	319				
5.1	450	7100	-	273				
5.8	450	7100	-	241				



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Possible geometrical combinations of R..DRN..

R57R37, n_e=1400 1/min					450 Nm			
n _a 1/min	M _{amax} Nm	F _{Ra} N	φ _(R) °	i	DR63S DR63M DR63L DRS71S DRS71M	DRN80M DRN90S	DRN90L	DRN100LS DRN100L
6.5	450	7100	-	215				
7.5	450	7100	-	187				
8.5	450	7100	-	164				
9.9	450	7100	-	142				
 2  2								
3.9	450	7100	-	359				
4.3	450	7100	-	324				
4.8	450	7100	-	290				
5.3	450	7100	-	262				
5.7	450	7100	-	246*				
6.4	450	7100	-	220*				
7.4	450	7100	-	188				
8.8	450	7100	-	159				
9.6	450	7100	-	146				
10	450	7100	-	134				

R67, n_e=1400 1/min					600 Nm					
n _a 1/min	M _{amax} Nm	F _{Ra} N	φ _(R) °	i	DR63S DR63M DR63L DRS71S DRS71M	DRN80M DRN90S	DRN90L	DRN100LS DRN100L	DRN112M	DRN132S DRN132M
 3										
7.0	600	7560	6.4	199.81						
7.6	600	7560	6.4	184.07						
8.9	600	7560	6.4	158.14						
10	600	7560	6.4	137.67						
11	600	7560	6.4	128.97						
12	600	7560	6.5	113.94						
13	600	7560	6.5	105.83						
15	600	7560	6.5	95.91						
16	600	7560	6.5	86.11						
19	600	7560	6.5	74.17						
20	600	7560	6.5	69.75						
23	600	7560	7	61.26						
25	600	7560	7	56.89						
27	600	7560	7.1	51.56						
30	600	7560	7.1	46.29						
35	580	7790	7.1	39.88*						
37	570	7900	7.1	37.50						
43	540	8210	7.2	32.27						
49	520	8400	7.3	28.83						
 2										
50	540	8210	6	28.13						
52	540	8210	6	26.72						
60	560	8010	6.1	23.44						
70	600	7560	6.2	19.89						
78	590	7330	6.2	17.95						
89	560	7130	6.3	15.79						

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R67, n _e =1400 1/min					600 Nm					
n _a 1/min	M _{amax} Nm	F _{Ra} N	φ _(R) °	i	DR63S DR63M DR63L DRS71S DRS71M	DRN80M DRN90S	DRN90L	DRN100LS DRN100L	DRN112M	DRN132S DRN132M
94	550	6980	6.3	14.91						
110	520	6640	6.4	12.70						
121	500	6500	6.7	11.54						
140	470	6220	6.8	10.00						
161	440	5960	7	8.70*						
180	380	5830	8.3	7.79						
190	370	5790	8.3	7.36*						
223	330	5590	8.5	6.27						
246	310	5450	9.1	5.70						
284	290	5210	9.4	4.93						
326	270	5000	9.7	4.29						





R67R37, n _e =1400 1/min					600 Nm			
n _a 1/min	M _{amax} Nm	F _{Ra} N	φ _(R) °	i	DR63S DR63M DR63L DRS71S DRS71M	DRN80M DRN90S	DRN90L	DRN100LS DRN100L
					 3  3			
0.09	600	7560	-	15361				
0.11	600	7560	-	12931				
0.12	600	7560	-	11996				
0.14	600	7560	-	10097				
0.15	600	7560	-	9066				
0.18	600	7560	-	7816				
0.21	600	7560	-	6732				
0.23	600	7560	-	5970				
0.27	600	7560	-	5268				
0.30	600	7560	-	4680				
0.34	600	7560	-	4136				
0.39	600	7560	-	3566				
0.45	600	7560	-	3125				
0.51	600	7560	-	2745				
0.58	600	7560	-	2403				
					 2  3			
0.52	600	7560	-	2682				
0.57	600	7560	-	2460				
0.67	600	7560	-	2094				
0.78	600	7560	-	1805				
0.86	600	7560	-	1629				
0.95	600	7560	-	1471				
1.0	600	7560	-	1379				
1.3	600	7560	-	1109				
1.5	600	7560	-	956				
1.6	600	7560	-	891				
1.9	600	7560	-	730				
2.2	600	7560	-	644				
2.5	600	7560	-	571				
2.9	600	7560	-	486				


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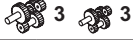



Possible geometrical combinations of R..DRN..

R67R37, n_e=1400 1/min					600 Nm			
n _a 1/min	M _{amax} Nm	F _{Ra} N	φ _(R) °	i	DR63S DR63M DR63L DRS71S DRS71M	DRN80M DRN90S	DRN90L	DRN100LS DRN100L
 3  2								
0.66	600	7560	-	2136				
0.76	600	7560	-	1852				
0.85	600	7560	-	1652				
0.98	600	7560	-	1432				
1.1	600	7560	-	1259				
1.3	600	7560	-	1106				
1.7	600	7560	-	836				
1.9	600	7560	-	750				
2.2	600	7560	-	646				
2.4	600	7560	-	574				
2.8	600	7560	-	495				
3.2	600	7560	-	438				
3.6	600	7560	-	388				
4.1	600	7560	-	344				
4.8	600	7560	-	294				
5.4	600	7560	-	261				
6.0	600	7560	-	234				
7.0	600	7560	-	200				
8.0	600	7560	-	176				
8.9	600	7560	-	158				
 2  2								
3.2	600	7560	-	443				
3.6	600	7560	-	384				
3.9	600	7560	-	359				
4.5	600	7560	-	310				
5.3	600	7560	-	264*				
6.0	600	7560	-	235				
7.0	600	7560	-	201				
7.7	600	7560	-	181				
8.8	600	7560	-	159				

R77, n_e=1400 1/min					820 Nm						
n _a 1/min	M _{amax} Nm	F _{Ra} N	φ _(R) °	i	DR63S DR63M DR63L DRS71S DRS71M	DRN80M DRN90S	DRN90L	DRN100LS DRN100L	DRN112M	DRN132S DRN132M	DRN132L DRN160M DRN160L
 3											
7.2	820	9920	6.4	195.24*							
8.4	820	9920	6.5	166.59							
9.6	820	9920	6.4	145.67							
10	820	9920	6.4	138.39							
12	820	9920	6.5	121.42							
14	820	9920	6.5	102.99							
15	820	9920	6.5	92.97							
17	820	9920	6.5	81.80							
18	820	9920	6.5	77.24							
21	820	9920	6.5	65.77							

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R77, n _e =1400 1/min					820 Nm						
n _a 1/min	M _{amax} Nm	F _{Ra} N	φ _(R) °	i	DR63S DR63M DR63L DRS71S DRS71M	DRN80M DRN90S	DRN90L	DRN100LS DRN100L	DRN112M	DRN132S DRN132M	DRN132L DRN160M DRN160L
24	820	9920	7.1	57.68							
27	820	9920	7.1	52.07							
31	820	9920	7.1	45.81							
32	820	9920	7.1	43.26							
38	820	9920	7.1	36.83							
42	820	9920	7.2	33.47							
48	820	9920	7.3	29.00							
55	780	10100	7.3	25.23							
 2											
60	820	8870	6.1	23.37							
65	820	8250	6.1	21.43							
74	780	7980	6.1	18.80							
79	780	7620	6.2	17.82*							
90	740	7390	6.2	15.60							
100	720	7050	6.5	14.05							
114	690	6740	6.4	12.33							
129	660	6490	6.5	10.88							
145	630	6300	6.7	9.64							
163	630	4110	7.5	8.59							
181	610	3940	7.9	7.74							
206	580	3850	7.8	6.79							
234	540	3990	8	5.99*							
264	510	3990	8.4	5.31*							





R77R37, n _e =1400 1/min					820 Nm			
n _a 1/min	M _{amax} Nm	F _{Ra} N	φ _(R) °	i	DR63S DR63M DR63L DRS71S DRS71M	DRN80M DRN90S	DRN90L	DRN100LS DRN100L
 3  3								
0.09	820	9920	-	16370				
0.09	820	9920	-	15015				
0.10	820	9920	-	13885				
0.11	820	9920	-	12783				
0.13	820	9920	-	11021				
0.14	820	9920	-	9788				
0.16	820	9920	-	8714				
0.18	820	9920	-	7617				
0.21	820	9920	-	6770				
0.24	820	9920	-	5838				
0.27	820	9920	-	5184				
0.31	820	9920	-	4470				
0.35	820	9920	-	3999				
0.40	820	9920	-	3488				
0.46	820	9920	-	3053				
0.52	820	9920	-	2671				
 2  3								
0.44	820	9920	-	3151				

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Possible geometrical combinations of R..DRN..

R77R37, $n_e=1400$ 1/min					820 Nm			
n_a 1/min	M_{amax} Nm	F_{Ra} N	$\Phi_{(R)}$ '	i	DR63S DR63M DR63L DRS71S DRS71M	DRN80M DRN90S	DRN90L	DRN100LS DRN100L
0.48	820	9920	-	2890				
0.57	820	9920	-	2460				
0.66	820	9920	-	2121				
0.71	820	9920	-	1977				
0.81	820	9920	-	1728				
0.86	820	9920	-	1620				
0.98	820	9920	-	1430				
1.1	820	9920	-	1303				
1.2	820	9920	-	1124				
1.3	820	9920	-	1047				
1.5	820	9920	-	915				
1.6	820	9920	-	858				
1.8	820	9920	-	757				
2.1	820	9920	-	671				
2.5	820	9920	-	571				
 3  2								
0.60	820	9920	-	2345				
0.68	820	9920	-	2070				
0.77	820	9920	-	1822				
0.89	820	9920	-	1580				
1.0	820	9920	-	1394				
1.1	820	9920	-	1218				
1.3	820	9920	-	1084*				
1.5	820	9920	-	940				
1.7	820	9920	-	821				
1.9	820	9920	-	731				
2.2	820	9920	-	646				
2.5	820	9920	-	560				
2.9	820	9920	-	488				
3.2	820	9920	-	436				
3.8	820	9920	-	373				
4.3	820	9920	-	327				
4.8	820	9920	-	289				
5.4	820	9920	-	260				
6.2	820	9920	-	224				
7.1	820	9920	-	197				
8.3	820	9920	-	169				
9.4	820	9920	-	149				
 2  2								
2.7	820	9920	-	520				
3.1	820	9920	-	451				
3.3	820	9920	-	422				
3.8	820	9920	-	365				
4.5	820	9920	-	310*				
5.1	820	9920	-	276				
5.9	820	9920	-	236				
6.3	820	9920	-	221				
7.5	820	9920	-	186				

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R87, n _e =1400 1/min						1550 Nm							
n _a 1/min	M _{amax} Nm	F _{Ra} N	φ _(/R) °	i	DRS71M	DRN80M DRN90S	DRN90L	DRN100LS DRN100L	DRN112M	DRN132S DRN132M	DRN132L DRN160M DRN160L	DRN180M DRN180L	DRN200L
 3													
5.7	1550	16900	6	246.54									
6.5	1550	16900	6	216.54									
6.8	1550	16900	6	205.71									
7.7	1550	16900	6	181.77									
9.0	1550	16900	6	155.34									
9.8	1550	16900	6	142.41									
11	1550	16900	6	124.97									
12	1550	16900	6	118.43*									
14	1550	16900	6	103.65									
15	1550	16900	6	93.38									
17	1550	16900	6	81.92									
19	1550	16900	6.4	72.57									
22	1550	15800	6.4	63.68*									
23	1550	15200	6.4	60.35*									
27	1550	13500	6.5	52.82									
29	1550	12300	6.5	47.58									
34	1550	10800	6.5	41.74									
38	1550	9470	6.5	36.84*									
43	1550	8220	6.6	32.66*									
50	1500	7370	6.6	27.88									
 2													
41	1500	9480	5.5	34.40*									
45	1550	7820	5.5	31.40									
50	1550	6640	5.5	27.84*									
60	1550	5000	5.5	23.40									
65	1500	4970	5.7	21.51									
73	1440	4800	5.7	19.10									
82	1390	4580	5.8	17.08*									
91	1340	4450	5.9	15.35									
105	1280	4220	6	13.33									
117	1230	4120	6	11.93									
141	1180	3520	6.1	9.90*									
153	1210	99	6.3	9.14*									
170	1160	225	6.6	8.22									
196	1070	820	6.7	7.13									
219	1020	970	6.8	6.39									
264	910	1710	7	5.30*									





R87R57, n _e =1400 1/min						1550 Nm				
n _a 1/min	M _{amax} Nm	F _{Ra} N	φ _(/R) °	i	DR63S DR63M DR63L DRS71S DRS71M	DRN80M DRN90S	DRN90L	DRN100LS DRN100L	DRN112M	DRN132S DRN132M
 3  3										
0.08	1550	16900	-	17452						
0.09	1550	16900	-	15310						
0.10	1550	16900	-	13813						
0.12	1550	16900	-	12025						

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Helical gearmotors

Possible geometrical combinations of R..DRN..

R87R57, $n_e=1400$ 1/min					1550 Nm					
n_a 1/min	M_{amax} Nm	F_{Ra} N	$\Phi_{(R)}$ '	i	DR63S DR63M DR63L DRS71S DRS71M	DRN80M DRN90S	DRN90L	DRN100LS DRN100L	DRN112M	DRN132S DRN132M
0.13	1550	16900	-	10549						
0.15	1550	16900	-	9244						
0.17	1550	16900	-	8109						
0.20	1550	16900	-	7038						
0.23	1550	16900	-	6174						
0.26	1550	16900	-	5449						
0.29	1550	16900	-	4831						
0.33	1550	16900	-	4206						
0.37	1550	16900	-	3744						
0.43	1550	16900	-	3233						
0.49	1550	16900	-	2873						
0.56	1550	16900	-	2518						
0.63	1550	16900	-	2209						
0.71	1550	16900	-	1961						
1.4	1550	16900	-	994						
1.6	1550	16900	-	881						
 2  3										
0.35	1550	16900	-	4020						
0.38	1550	16900	-	3703						
0.44	1550	16900	-	3182						
0.51	1550	16900	-	2770						
0.54	1550	16900	-	2595						
0.66	1550	16900	-	2129						
0.73	1550	16900	-	1930						
0.81	1550	16900	-	1733						
0.94	1550	16900	-	1489						
1.0	1550	16900	-	1395						
1.1	1550	16900	-	1232						
1.2	1550	16900	-	1145						
1.4	1550	16900	-	1037						
1.5	1550	16900	-	931						
1.7	1550	16900	-	802*						
1.9	1550	16900	-	754						
2.2	1550	16900	-	649						
2.4	1550	16900	-	580						
 3  2										
0.81	1550	16900	-	1737						
0.92	1550	16900	-	1524						
1.1	1550	16900	-	1303						
1.2	1550	16900	-	1143						
1.4	1550	16900	-	1008						
1.6	1550	16900	-	885						
1.8	1550	16900	-	776						
2.0	1550	16900	-	685*						
2.3	1550	16900	-	599						
2.7	1550	16900	-	525						
3.1	1550	16900	-	456*						
3.5	1550	16900	-	398						
4.0	1550	16900	-	352						

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R87R57, n _e =1400 1/min					1550 Nm					
n _a 1/min	M _{amax} Nm	F _{Ra} N	φ _(R) °	i	DR63S DR63M DR63L DRS71S DRS71M	DRN80M DRN90S	DRN90L	DRN100LS DRN100L	DRN112M	DRN132S DRN132M
4.6	1550	16900	-	305						
5.2	1550	16900	-	268						
5.9	1550	16900	-	236*						
6.7	1550	16900	-	209*						
 2  2										
2.6	1550	16900	-	538						
3.0	1550	16900	-	472						
3.5	1550	16900	-	400						
3.9	1550	16900	-	361						
4.7	1550	16900	-	300						
5.5	1550	16900	-	256						
6.0	1550	16900	-	232						
7.2	1550	16900	-	195						

R97, n _e =1400 1/min					3000 Nm								
n _a 1/min	M _{amax} Nm	F _{Ra} N	φ _(R) °	i	DRS71M	DRN80M DRN90S	DRN90L	DRN100LS DRN100L	DRN112M	DRN132S DRN132M	DRN132L DRN160M DRN160L	DRN180M DRN180L	DRN200L DRN225S
 3													
4.8	3000	19800	5.7	289.74									
5.5	3000	19800	5.7	255.71									
5.8	3000	19800	5.7	241.25									
6.5	3000	19800	5.7	216.28									
7.5	3000	19800	5.7	186.30									
8.2	3000	19800	5.7	170.02									
9.3	3000	19800	5.7	150.78									
11	3000	19800	5.7	126.75									
12	3000	19800	5.7	116.48									
14	3000	19800	5.7	103.44									
15	3000	19800	5.7	92.48									
17	3000	19800	5.8	83.15									
19	3000	18000	5.8	72.17									
21	3000	16300	6.1	65.21									
23	3000	14800	6.2	59.92									
26	3000	12900	6.2	53.21									
29	3000	11100	6.2	47.58									
33	3000	9480	6.2	42.78									
38	3000	7410	6.3	37.13									
42	2890	7160	6.3	33.25									
51	2670	7260	6.3	27.58									
 2													
44	2560	10600	5.3	32.05									
51	2560	8380	5.3	27.19									
56	2830	4140	5.4	25.03									
63	2720	4060	5.5	22.37									
70	2610	4110	5.5	20.14									
77	2500	4270	5.6	18.24									
87	2400	4130	5.6	16.17									







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Helical gearmotors


Possible geometrical combinations of R..DRN..

R97, $n_e=1400$ 1/min						3000 Nm							
n_a 1/ min	M_{amax} Nm	F_{Ra} N	$\varphi_{(R)}$ '	i	DRS71M	DRN80M DRN90S	DRN90L	DRN100LS DRN100L	DRN112M	DRN132S DRN132M	DRN132L DRN160M DRN160L	DRN180M DRN180L	DRN200L DRN225S
96	2300	4240	5.6	14.62									
113	2190	3850	5.7	12.39									
129	2090	3720	5.8	10.83									
151	2030	-	5.6	9.29									
167	2030	-	5.7	8.39									
197	2000	-	5.8	7.12									
225	1890	-	5.9	6.21									
269	1780	-	6.1	5.20									
311	1630	-	6.2	4.50*									


R97R57, $n_e=1400$ 1/min						3000 Nm				
n_a 1/ min	M_{amax} Nm	F_{Ra} N	$\varphi_{(R)}$ '	i	DR63S DR63M DR63L DRS71S DRS71M	DRN80M DRN90S	DRN90L	DRN100LS DRN100L	DRN112M	DRN132S DRN132M
 3  3										
0.06	3000	19800	-	21769						
0.07	3000	19800	-	19332						
0.08	3000	19800	-	17230						
0.09	3000	19800	-	14999						
0.11	3000	19800	-	13320						
0.13	3000	19800	-	11156						
0.14	3000	19800	-	10030						
0.16	3000	19800	-	8706						
0.18	3000	19800	-	7692						
0.21	3000	19800	-	6708						
0.24	3000	19800	-	5931						
0.27	3000	19800	-	5161						
0.31	3000	19800	-	4559						
0.35	3000	19800	-	4004						
0.40	3000	19800	-	3481						
 2  3										
0.30	3000	19800	-	4678						
0.32	3000	19800	-	4309						
0.38	3000	19800	-	3702						
0.46	3000	19800	-	3019						
0.52	3000	19800	-	2668						
0.62	3000	19800	-	2245						
0.69	3000	19800	-	2016						
0.81	3000	19800	-	1733						
0.86	3000	19800	-	1623						
0.98	3000	19800	-	1434						
1.2	3000	19800	-	1207						
1.3	3000	19800	-	1084						
1.5	3000	19800	-	934						
1.6	3000	19800	-	878						
1.9	3000	19800	-	755						
 3  2										
0.46	3000	19800	-	3065						





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R97R57, n _e =1400 1/min					3000 Nm					
n _a 1/min	M _{amax} Nm	F _{Ra} N	φ _(R) °	i	DR63S DR63M DR63L DRS71S DRS71M	DRN80M DRN90S	DRN90L	DRN100LS DRN100L	DRN112M	DRN132S DRN132M
0.51	3000	19800	-	2722						
0.61	3000	19800	-	2311						
0.67	3000	19800	-	2078						
0.77	3000	19800	-	1823						
0.88	3000	19800	-	1583						
1.0	3000	19800	-	1396						
1.1	3000	19800	-	1228						
1.3	3000	19800	-	1069						
1.5	3000	19800	-	938						
1.7	3000	19800	-	824						
1.9	3000	19800	-	737						
2.2	3000	19800	-	632						
2.5	3000	19800	-	560						
2.9	3000	19800	-	484						
3.2	3000	19800	-	431						
3.7	3000	19800	-	379						
4.2	3000	19800	-	336						
4.7	3000	19800	-	296						
5.6	3000	19800	-	249						
6.0	3000	19800	-	234						
6.7	3000	19800	-	209						
 2  2										
2.2	3000	19800	-	625						
2.6	3000	19800	-	549						
3.0	3000	19800	-	466						
3.3	3000	19800	-	420						
3.8	3000	19800	-	370						
4.0	3000	19800	-	349						
4.7	3000	19800	-	297						
5.2	3000	19800	-	270						
6.2	3000	19800	-	227						

R107, n _e =1400 1/min					4300 Nm					
n _a 1/min	M _{amax} Nm	F _{Ra} N	φ _(R) °	i	DRN100LS DRN100L	DRN112M	DRN132S DRN132M	DRN132L DRN160M DRN160L	DRN180M DRN180L	DRN200L DRN225S DRN225M
 3										
5.6	4300	29500	7	251.15						
6.1	4300	29500	7	229.95						
6.9	4300	29500	7	203.16						
8.1	4300	29500	7	172.34						
8.8	4300	29500	7	158.68						
9.9	4300	29500	7	141.83						
11	4300	29500	7	127.68						
12	4300	29500	7	115.63						
14	4300	29500	7	102.53						
15	4300	29500	7	92.70						
18	4300	29500	7.1	78.57						
19	4300	29500	7.3	72.88						



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R107, $n_e=1400$ 1/min										4300 Nm
n_a 1/min	M_{amax} Nm	F_{Ra} N	$\Phi_{(R)}$ °	i	DRN100LS DRN100L	DRN112M	DRN132S DRN132M	DRN132L DRN160M DRN160L	DRN180M DRN180L	DRN200L DRN225S DRN225M
21	4300	29200	7.3	65.60*						
24	4300	28000	7.4	59.41						
27	4300	26600	7.4	52.68						
29	4300	25500	7.4	47.63						
35	4300	23800	7.4	40.37*						
40	4300	22400	7.4	35.26						
47	4300	20700	7.5	29.49						
 2										
45	4300	21100	6.7	30.77						
51	4300	20100	6.8	27.58						
56	4300	19200	6.8	24.90*						
62	4300	18300	6.9	22.62						
70	4300	17300	6.9	20.07						
77	4300	16600	6.8	18.21						
89	4300	15400	6.9	15.65						
102	4300	14400	6.9	13.66						
121	4300	13300	7	11.59						
138	4300	12400	7.1	10.13						
164	4300	11300	7.2	8.56						
178	2970	13800	8.8	7.86						
210	2970	12800	8.9	6.66						
241	2970	12100	9	5.82						
285	2900	11300	9.3	4.92						







R107R77, $n_e=1400$ 1/min										4300 Nm	
n_a 1/min	M_{amax} Nm	F_{Ra} N	$\Phi_{(R)}$ °	i	DR63S DR63M DR63L DRS71S DRS71M	DRN80M DRN90S	DRN90L	DRN100LS DRN100L	DRN112M	DRN132S DRN132M	DRN132L DRN160M DRN160L
 3  3											
0.07	4300	29500	-	20018							
0.08	4300	29500	-	17080							
0.09	4300	29500	-	14936							
0.11	4300	29500	-	12829							
0.12	4300	29500	-	11256							
0.15	4300	29500	-	9547							
0.16	4300	29500	-	8618							
0.18	4300	29500	-	7583							
0.21	4300	29500	-	6743							
0.24	4300	29500	-	5914							
0.27	4300	29500	-	5168							
0.32	4300	29500	-	4435							
0.36	4300	29500	-	3896							
0.41	4300	29500	-	3432							
0.46	4300	29500	-	3039							
0.52	4300	29500	-	2688							
0.60	4300	29500	-	2339							
 2  3											
0.36	4300	29500	-	3918							
0.42	4300	29500	-	3343							

R107R77, n _e =1400 1/min					4300 Nm						
n _a 1/min	M _{amax} Nm	F _{Ra} N	φ _(/R) '	i	DR63S DR63M DR63L DRS71S DRS71M	DRN80M DRN90S	DRN90L	DRN100LS DRN100L	DRN112M	DRN132S DRN132M	DRN132L DRN160M DRN160L
0.46	4300	29500	-	3034							
0.53	4300	29500	-	2653							
0.61	4300	29500	-	2280							
0.68	4300	29500	-	2067							
0.83	4300	29500	-	1693							
0.90	4300	29500	-	1550							
1.00	4300	29500	-	1407							
1.2	4300	29500	-	1209							
1.3	4300	29500	-	1055							
1.5	4300	29500	-	919							
1.7	4300	29500	-	815							
2.0	4300	29500	-	717							
2.2	4300	29500	-	626							
2.7	4300	29500	-	528							
 3  2											
0.70	4300	29500	-	1987							
0.77	4300	29500	-	1827							
0.88	4300	29500	-	1599							
1.0	4300	29500	-	1400*							
1.1	4300	29500	-	1226							
1.3	4300	29500	-	1104							
1.5	4300	29500	-	939							
1.7	4300	29500	-	822							
2.3	4300	29500	-	614							
2.6	4300	29500	-	544							
2.8	4300	29500	-	492							
3.4	4300	29500	-	417							
3.8	4300	29500	-	369							
4.3	4300	29500	-	323							
4.9	4300	29500	-	285							
5.5	4300	29500	-	253							
6.5	4300	29500	-	214*							
7.5	4300	29500	-	187							
 2  2											
3.0	4300	29500	-	469							
3.3	4300	29500	-	426							
3.7	4300	29500	-	377							
4.3	4300	29500	-	325							
4.9	4300	29500	-	284							
5.5	4300	29500	-	256							
6.4	4300	29500	-	220							
7.3	4300	29500	-	193							
8.1	4300	29500	-	172							

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R137, $n_e=1400$ 1/min					8000 Nm				
n_a 1/min	M_{amax} Nm	F_{Ra} N	$\Phi_{(R)}$ '	i	DRN132S DRN132M	DRN132L DRN160M DRN160L	DRN180M DRN180L	DRN200L DRN225S DRN225M	DRN250M DRN280S DRN280M
 3									
6.3	8000	53400	6	222.60*					
7.4	8000	53400	6	188.45					
8.0	8000	53400	6.1	174.40*					
9.0	8000	53400	6.1	156.31					
9.9	8000	53400	6.1	141.12*					
11	8000	53400	6.1	128.18					
12	8000	53400	6.1	113.72					
14	8000	53400	6.1	103.20*					
16	8000	53400	6.1	88.70*					
17	8000	53400	6.4	80.91*					
19	8000	53400	6.4	73.49					
21	8000	53400	6.4	65.20					
24	8000	53400	6.4	59.17*					
28	8000	53400	6.4	50.86*					
32	8000	53400	6.4	44.39					
37	8000	53400	6.4	37.65					
43	8000	53400	6.5	32.91					
50	7680	54100	6.5	27.83					
 2									
47	7780	53900	5.7	29.57*					
58	8000	49400	5.8	24.12					
64	8000	47100	5.8	22.00*					
74	8000	43500	5.9	19.04*					
83	8000	40600	5.9	16.80*					
96	8000	37300	5.9	14.51					
109	8000	34700	6	12.83					
130	8000	31100	6.1	10.79					
161	7840	27600	6.1	8.71					
184	5110	39000	8	7.59					
219	5110	35900	8.2	6.38					
272	4600	34500	8.2	5.15					



R137R77, $n_e=1400$ 1/min					8000 Nm						
n_a 1/min	M_{amax} Nm	F_{Ra} N	$\Phi_{(R)}$ '	i	DR63S DR63M DR63L DRS71S DRS71M	DRN80M DRN90S	DRN90L	DRN100LS DRN100L	DRN112M	DRN132S DRN132M	DRN132L DRN160M DRN160L
 3  3											
0.06	8000	53400	-	22203*							
0.07	8000	53400	-	18945							
0.08	8000	53400	-	16566							
0.09	8000	53400	-	14777							
0.11	8000	53400	-	12921							
0.12	8000	53400	-	11712							
0.13	8000	53400	-	10573*							
0.16	8000	53400	-	8784							
0.19	8000	53400	-	7479							



R137R77, n _e =1400 1/min					8000 Nm						
n _a 1/min	M _{amax} Nm	F _{Ra} N	φ _(R) °	i	DR63S DR63M DR63L DRS71S DRS71M	DRN80M DRN90S	DRN90L	DRN100LS DRN100L	DRN112M	DRN132S DRN132M	DRN132L DRN160M DRN160L
0.21	8000	53400	-	6559							
0.24	8000	53400	-	5834							
0.27	8000	53400	-	5116							
0.31	8000	53400	-	4464							
0.36	8000	53400	-	3928*							
0.41	8000	53400	-	3454							
0.47	8000	53400	-	2993							
 2  3											
0.30	8000	53400	-	4709*							
0.35	8000	53400	-	4018							
0.40	8000	53400	-	3514							
0.42	8000	53400	-	3338							
0.48	8000	53400	-	2929							
0.56	8000	53400	-	2484							
0.62	8000	53400	-	2242*							
0.75	8000	53400	-	1863							
0.88	8000	53400	-	1586							
1.0	8000	53400	-	1391							
1.1	8000	53400	-	1256							
1.3	8000	53400	-	1105							
1.3	8000	53400	-	1043							
1.6	8000	53400	-	888							
2.0	8000	53400	-	699							
2.3	8000	53400	-	609							
 3  2											
0.53	8000	53400	-	2658							
0.58	8000	53400	-	2412							
0.68	8000	53400	-	2073*							
0.76	8000	53400	-	1839*							
0.88	8000	53400	-	1598							
1.0	8000	53400	-	1397							
1.1	8000	53400	-	1226*							
1.3	8000	53400	-	1090*							
1.5	8000	53400	-	951							
1.7	8000	53400	-	831							
1.9	8000	53400	-	730							
2.2	8000	53400	-	629							
2.5	8000	53400	-	560							
2.9	8000	53400	-	490*							
3.3	8000	53400	-	428							
3.7	8000	53400	-	381							
4.3	8000	53400	-	323							
4.8	8000	53400	-	291							
5.5	8000	53400	-	255*							
6.3	8000	53400	-	223							
7.1	8000	53400	-	197*							
8.0	8000	53400	-	175							
 2  2											
2.5	8000	53400	-	564							



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R137R77, $n_e=1400$ 1/min					8000 Nm						
n_a 1/min	M_{amax} Nm	F_{Ra} N	$\Phi_{(R)}$ °	i	DR63S DR63M DR63L DRS71S DRS71M	DRN80M DRN90S	DRN90L	DRN100LS DRN100L	DRN112M	DRN132S DRN132M	DRN132L DRN160M DRN160L
2.7	8000	53400	-	517							
3.1	8000	53400	-	453*							
3.7	8000	53400	-	376							
4.1	8000	53400	-	339							
4.7	8000	53400	-	297							

R147, $n_e=1400$ 1/min					13000 Nm			
n_a 1/min	M_{amax} Nm	F_{Ra} N	$\Phi_{(R)}$ °	i	DRN132L DRN160M DRN160L	DRN180M DRN180L	DRN200L DRN225S DRN225M	DRN250M DRN280S DRN280M
 3								
8.6	13000	62700	5.5	163.31				
9.5	13000	62700	5.5	146.91				
12	13000	62700	5.5	119.86				
13	13000	62700	5.5	109.31				
15	13000	62700	5.5	94.60*				
17	13000	62700	5.5	83.47				
19	13000	62700	5.5	72.09				
21	13000	62700	5.8	66.99				
23	13000	62700	5.8	61.09				
26	13000	62700	5.8	52.87				
30	13000	62700	5.8	46.65				
35	13000	62700	5.8	40.29				
39	13000	62700	5.9	35.64				
47	13000	62700	5.9	29.95				
58	11900	64700	5.9	24.19				
 2								
68	12000	64600	5.2	20.44				
78	10500	67000	5.3	18.04				
90	13000	62700	5.3	15.64				
101	12600	63400	5.3	13.91				
117	13000	60400	5.4	11.99				
144	13000	54400	5.5	9.74				
169	13000	49900	5.6	8.26				
193	8670	58400	7.5	7.25				
238	8670	53200	7.6	5.89				
280	8670	49300	7.8	5.00				

R147R77, $n_e=1400$ 1/min					13000 Nm						
n_a 1/min	M_{amax} Nm	F_{Ra} N	$\Phi_{(R)}$ °	i	DR63S DR63M DR63L DRS71S DRS71M	DRN80M DRN90S	DRN90L	DRN100LS DRN100L	DRN112M	DRN132S DRN132M	DRN132L DRN160M DRN160L
 3  3											
0.06	13000	62700	-	23401							
0.07	13000	62700	-	21342							
0.08	13000	62700	-	18210							

R147R77, n _e =1400 1/min					13000 Nm						
n _a 1/min	M _{amax} Nm	F _{Ra} N	φ _(/R) '	i	DR63S DR63M DR63L DRS71S DRS71M	DRN80M DRN90S	DRN90L	DRN100LS DRN100L	DRN112M	DRN132S DRN132M	DRN132L DRN160M DRN160L
0.09	13000	62700	-	15923							
0.10	13000	62700	-	14075							
0.11	13000	62700	-	12344							
0.13	13000	62700	-	11143							
0.14	13000	62700	-	9743							
0.17	13000	62700	-	8443							
0.19	13000	62700	-	7307							
0.22	13000	62700	-	6447							
0.25	13000	62700	-	5568							
0.28	13000	62700	-	4926							
0.32	13000	62700	-	4325							
0.37	13000	62700	-	3754							
0.42	13000	62700	-	3302							
0.48	13000	62700	-	2898							
 3  2											
0.55	13000	62700	-	2555							
0.63	13000	62700	-	2211							
0.72	13000	62700	-	1951							
0.82	13000	62700	-	1705							
0.91	13000	62700	-	1536							
1.1	13000	62700	-	1329							
1.2	13000	62700	-	1166							
1.4	13000	62700	-	1029							
1.6	13000	62700	-	889							
1.8	13000	62700	-	784							
2.0	13000	62700	-	695							
2.3	13000	62700	-	619							
2.5	13000	62700	-	558							
2.9	13000	62700	-	489							
3.4	13000	62700	-	415							



R147R87, n _e =1400 1/min					13000 Nm							
n _a 1/min	M _{amax} Nm	F _{Ra} N	φ _(/R) '	i	DRN80M DRN90S	DRN90L	DRN100LS DRN100L	DRN112M	DRN132S DRN132M	DRN132L DRN160M DRN160L	DRN180M DRN180L	DRN200L
 3  2												
2.6	13000	62700	-	533								
3.0	13000	62700	-	462								
3.3	13000	62700	-	426								
3.8	13000	62700	-	368								
4.3	13000	62700	-	326								
5.0	13000	62700	-	280								
5.7	13000	62700	-	247								
6.5	13000	62700	-	214								
7.4	13000	62700	-	189								
8.8	13000	62700	-	159								



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Helical gearmotors





Possible geometrical combinations of R..DRN..

R167, $n_e=1400$ 1/min					18000 Nm					
n_a 1/min	M_{amax} Nm	F_{Ra} N	$\Phi_{(R)}$ °	i	DRN132L DRN160M DRN160L	DRN180M DRN180L	DRN200L DRN225S DRN225M	DRN250M DRN280S DRN280M	DRN315S DRN315M	DRN315L DRN315H
 3										
6.1	18000	120000	5.2	229.71						
7.5	18000	120000	5.2	186.93*						
9.1	18000	120000	5.2	153.07						
10	18000	120000	5.2	139.98						
11	18000	120000	5.2	121.81*						
13	18000	120000	5.2	107.49						
15	18000	120000	5.2	93.19						
17	18000	120000	5.2	82.91*						
19	18000	120000	5.6	73.70*						
21	18000	120000	5.6	67.40						
24	18000	120000	5.6	58.65						
27	18000	120000	5.6	51.76						
31	18000	120000	5.6	44.87						
35	18000	120000	5.6	39.92						
41	18000	120000	5.6	34.41						
50	18000	120000	5.7	27.96						
59	18000	116500	5.7	23.71						
 2										
30	7000	120000	5	46.00						
37	9000	120000	5	37.74						
46	10000	120000	5	30.71						
57	14000	120000	5.1	24.57						
64	13000	120000	5.1	21.85						
74	16000	111400	5.1	19.03						
82	15000	108900	5.1	16.98						
97	18000	93800	5.2	14.48						
117	17000	88700	5.3	11.99						
137	17000	82500	5.3	10.24						

R167R97, $n_e=1400$ 1/min					18000 Nm								
n_a 1/min	M_{amax} Nm	F_{Ra} N	$\Phi_{(R)}$ °	i	DRS71M	DRN80M DRN90S	DRN90L	DRN100LS DRN100L	DRN112M	DRN132S DRN132M	DRN132L DRN160M DRN160L	DRN180M DRN180L	DRN200L DRN225S
 3  3													
0.05	18000	120000	-	27001									
0.06	18000	120000	-	22482									
0.07	18000	120000	-	20002*									
0.08	18000	120000	-	17361									
0.09	18000	120000	-	15446									
0.10	18000	120000	-	14051									
0.12	18000	120000	-	11812									
0.13	18000	120000	-	10509									
0.15	18000	120000	-	9631									
0.18	18000	120000	-	7749									
0.20	18000	120000	-	6894									
0.23	18000	120000	-	6077									
0.26	18000	120000	-	5407									
0.30	18000	120000	-	4650									
0.34	18000	120000	-	4129									

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R167R97, n _e =1400 1/min						18000 Nm							
n _a 1/ min	M _{amax} Nm	F _{Ra} N	φ _(R) °	i	DRS71M	DRN80M DRN90S	DRN90L	DRN100LS DRN100L	DRN112M	DRN132S DRN132M	DRN132L DRN160M DRN160L	DRN180M DRN180L	DRN200L DRN225S
0.38	18000	120000	-	3692									
0.45	18000	120000	-	3099									
 3  2													
0.53	18000	120000	-	2657*									
0.60	18000	120000	-	2333									
0.67	18000	120000	-	2085									
0.75	18000	120000	-	1877									
0.84	18000	120000	-	1670*									
0.97	18000	120000	-	1438									
1.1	18000	120000	-	1279									
1.2	18000	120000	-	1123									
1.4	18000	120000	-	999									
1.6	18000	120000	-	861									
1.8	18000	120000	-	760									
2.1	18000	120000	-	656									
2.4	18000	120000	-	579									
2.8	18000	120000	-	503									
3.2	18000	120000	-	432									
3.7	18000	120000	-	376									
4.2	18000	120000	-	335									
4.6	18000	120000	-	303									
5.0	18000	120000	-	279									



R167R107, n _e =1400 1/min						18000 Nm					
n _a 1/ min	M _{amax} Nm	F _{Ra} N	φ _(R) °	i	DRN100LS DRN100L	DRN112M	DRN132S DRN132M	DRN132L DRN160M DRN160L	DRN180M DRN180L	DRN200L DRN225S DRN225M	
 2  3											
0.38	18000	120000	-	3637							
0.42	18000	120000	-	3330							
0.51	18000	120000	-	2757							
0.57	18000	120000	-	2436							
0.61	18000	120000	-	2298							
0.68	18000	120000	-	2066							
0.76	18000	120000	-	1849							
0.84	18000	120000	-	1674							
0.94	18000	120000	-	1485							
1.0	18000	120000	-	1342							
1.1	18000	120000	-	1229							
1.3	18000	120000	-	1111							
1.5	18000	120000	-	950							
1.6	18000	120000	-	860							
1.8	18000	120000	-	763							
2.0	18000	120000	-	690							
2.4	18000	120000	-	585							
2.7	18000	120000	-	511							
 3  2											
4.0	18000	120000	-	349							
4.7	18000	120000	-	295							
5.2	18000	120000	-	270							

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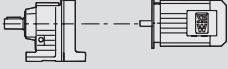

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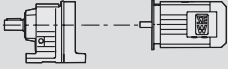

Helical gearmotors

Possible geometrical combinations of R..DRN..

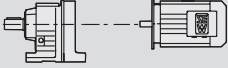

R167R107, $n_e=1400$ 1/min					18000 Nm					
n_a 1/min	M_{amax} Nm	F_{Ra} N	$\phi_{(R)}$ '	i	DRN100LS DRN100L	DRN112M	DRN132S DRN132M	DRN132L DRN160M DRN160L	DRN180M DRN180L	DRN200L DRN225S DRN225M
6.1	18000	120000	-	229						
7.0	18000	120000	-	200						
8.3	18000	120000	-	169						
 2  2										
3.1	18000	120000	-	446						
3.5	18000	120000	-	399						
3.9	18000	120000	-	361						
4.3	18000	120000	-	328						
4.8	18000	120000	-	291						
5.3	18000	120000	-	264						
6.2	18000	120000	-	227						
7.1	18000	120000	-	198						
8.3	18000	120000	-	168						


8.3 R..DRN.. selection tables in kW

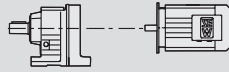
P_m = 0.09 kW										
n _a 1/min	M _a Nm	i	F _{Ra} ¹⁾ N	SEW f _B					m kg	
17	52	78.24	1490	0.95						
18	47	71.47	1520	1.05						
22	40	60.32	1560	1.25						
25	34	51.52	1590	1.45						
27	32	47.78	1600	1.60						
29	29	44.16	1610	1.70						
31	27	41.31	1600	1.85	R	07	DT	56M4	5.8	277
32	27	40.34	1590	1.85	RF	07	DT	56M4	5.8	278
34	26	38.51	1570	1.95						
38	22	34.05	1520	2.2						
45	19	29.08	1460	2.6						
48	18	26.97	1430	2.8						
56	15	23.32	1370	3.2						
60	14	21.73	1350	3.5						
71	12	18.31	1280	4.1						
78	11	16.73	1250	4.5						
92	9.3	14.12	1190	5.4						
108	8.0	12.06	1140	6.2						
116	7.4	11.18	1110	6.8						
134	6.4	9.67	1060	7.8						
144	6.0	9.01	1040	8.3						
166	5.2	7.85	1000	9.4	R	07	DT	56M4	5.7	277
174	4.9	7.48	980	8.8	RF	07	DT	56M4	5.7	278
190	4.5	6.83	960	9.6						
226	3.8	5.76	910	11						
264	3.3	4.92	860	11						
285	3.0	4.57	840	12						
329	2.6	3.95	800	13						
353	2.4	3.68	790	14						
405	2.1	3.21	755	15						

P_m = 0.12 kW										
n _a 1/min	M _a Nm	i	F _{Ra} ¹⁾ N	SEW f _B					m kg	
0.06	13300	21342	62000	1.00	R	147R77	DR	63S4	420	314
0.08	11300	18210	65700	1.15	RF	147R77	DR	63S4	430	314
0.09	9920	15923	67900	1.30	RM	147R77	DR	63S4	600	314
0.10	8770	14075	69400	1.50						
0.11	7640	12344	70700	1.70						
0.12	6730	11143	71600	1.95						
0.14	6030	9743	72200	2.2	R	147R77	DR	63S4	420	314
0.16	4830	8443	73100	2.7	RF	147R77	DR	63S4	430	314
0.19	4180	7307	73400	3.1	RM	147R77	DR	63S4	600	314
0.21	3690	6447	73700	3.5						
0.25	3180	5568	73900	4.1						
0.11	8050	12921	53300	1.00						
0.12	7250	11712	54900	1.10						
0.13	6390	10573	56400	1.25						
0.16	5020	8784	58400	1.60	R	137R77	DR	63S4	290	314
0.18	4090	7479	59400	1.95	RF	137R77	DR	63S4	310	314
0.21	4060	6559	59400	1.95	RM	137R77	DR	63S4	425	314
0.24	3190	5834	60200	2.5						
0.27	3160	5116	60200	2.5						
0.18	4410	7583	28800	0.95						
0.20	3690	6743	32400	1.15						
0.23	3660	5914	32500	1.15	R	107R77	DR	63S4	200	314
0.27	2820	5168	35500	1.50	RF	107R77	DR	63S4	210	314
0.31	2530	4435	36100	1.70	RM	107R77	DR	63S4	295	314
0.35	2260	3896	36500	1.90						
0.45	1880	3039	36900	2.3						

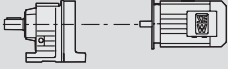

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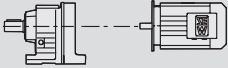

P_m = 0.12 kW										
n_a 1/min	M_a Nm	i	F_{Ra}¹⁾ N	SEW f_B					m kg	
0.35	2470	3918	36200	1.75						
0.41	2100	3343	36700	2.0						
0.45	1910	3034	36900	2.2	R	107R77	DR	63S4	195	314
0.52	1670	2653	37100	2.6	RF	107R77	DR	63S4	200	314
0.61	1430	2280	37300	3.0	RM	107R77	DR	63S4	290	314
0.67	1290	2067	37400	3.3						
0.30	3050	4559	17700	1.00	R	97R57	DR	63S4	130	314
0.34	2560	4004	23700	1.15	RF	97R57	DR	63S4	145	314
0.40	2270	3481	25200	1.30	RM	97R57	DR	63S4	195	314
0.29	3230	4678	4840	0.95						
0.32	2980	4309	20400	1.00						
0.37	2560	3702	23700	1.15						
0.46	2080	3019	26100	1.45	R	97R57	DR	63S4	125	314
0.52	1800	2668	27100	1.65	RF	97R57	DR	63S4	140	314
0.61	1480	2245	27700	2.0	RM	97R57	DR	63S4	195	314
0.68	1300	2016	27900	2.3						
0.80	1190	1733	28000	2.5						
0.45	2120	3065	25900	1.40						
0.51	1880	2722	26800	1.60						
0.60	1590	2311	27500	1.90						
0.66	1430	2078	27700	2.1	R	97R57	DR	63S4	130	314
0.76	1230	1823	28000	2.4	RF	97R57	DR	63S4	145	314
0.87	1070	1583	28200	2.8	RM	97R57	DR	63S4	195	314
0.99	900	1396	28300	3.3						
1.1	770	1228	28400	3.9						
0.48	1760	2873	15200	0.90	R	87R57	DR	63S4	86	314
0.70	1300	1961	18500	1.20	RF	87R57	DR	63S4	93	314
					RM	87R57	DR	63S4	125	314
0.53	1780	2595	15000	0.85						
0.65	1430	2129	17700	1.10	R	87R57	DR	63S4	85	314
0.72	1270	1930	18600	1.20	RF	87R57	DR	63S4	92	314
0.80	1120	1733	19300	1.40	RM	87R57	DR	63S4	120	314
0.79	1140	1737	19200	1.35						
0.91	1000	1524	19800	1.55						
1.1	810	1303	20000	1.90						
1.2	710	1143	20000	2.2	R	87R57	DR	63S4	85	314
1.6	580	885	20000	2.6	RF	87R57	DR	63S4	92	314
1.8	510	776	20000	3.0	RM	87R57	DR	63S4	120	314
2.0	450	685	20000	3.4						
2.3	360	599	20000	4.3						
1.1	930	1303	8660	0.85	R	77R37	DR	63S4	45	314
1.2	795	1124	10100	1.05	RF	77R37	DR	63S4	51	314
1.3	740	1047	10600	1.10	RM	77R37	DR	63S4	76	314
1.5	635	915	11300	1.30						
1.1	820	1218	9910	1.00						
1.3	740	1084	10600	1.10						
1.5	660	940	11200	1.25	R	77R37	DR	63S4	46	314
1.7	520	821	12000	1.55	RF	77R37	DR	63S4	52	314
1.9	475	731	12200	1.70	RM	77R37	DR	63S4	77	314
2.1	455	646	12300	1.80						
2.6	375	520	12600	2.2						
3.1	320	451	12700	2.5	R	77R37	DR	63S4	45	314
3.3	300	422	12800	2.7	RF	77R37	DR	63S4	51	314
3.8	255	365	12900	3.2	RM	77R37	DR	63S4	76	314
1.6	625	891	7190	0.95						
1.9	505	730	8530	1.20	R	67R37	DR	63S4	40	314
2.1	440	644	9060	1.35	RF	67R37	DR	63S4	43	314
2.4	385	571	9430	1.55	RM	67R37	DR	63S4	59	314
2.8	320	486	9790	1.85						
1.6	590	836	7670	1.00						
1.8	490	750	8630	1.20						
2.1	440	646	9050	1.35	R	67R37	DR	63S4	41	314
2.4	400	574	9330	1.50	RF	67R37	DR	63S4	44	314
2.8	345	495	9660	1.75	RM	67R37	DR	63S4	60	314
3.2	285	438	9940	2.1						

P_m = 0.12 kW										
n _a 1/min	M _a Nm	i	F _{Ra} ¹⁾ N	SEW f _B					m kg	
1.8	550	782	4650	0.80						
2.0	455	678	7070	1.00						
2.3	410	604	7260	1.10	R	57R37	DR	63S4	34	314
2.6	370	537	7400	1.20	RF	57R37	DR	63S4	38	314
2.9	325	471	7550	1.35	RM	57R37	DR	63S4	50	314
3.9	240	357	7760	1.85						
4.3	215	319	7820	2.1						
3.8	255	359	7730	1.75						
4.3	230	324	7790	1.95	R	57R37	DR	63S4	33	314
4.8	200	290	7840	2.2	RF	57R37	DR	63S4	37	314
5.3	185	262	7880	2.4	RM	57R37	DR	63S4	49	314
5.6	170	246	7900	2.6						
6.3	150	220	7930	3.0						
2.7	340	510	4360	0.85						
3.2	285	436	5480	1.05	R	47R37	DR	63S4	28	314
3.4	265	408	5590	1.10	RF	47R37	DR	63S4	28	314
4.0	215	344	5780	1.35						
2.8	365	502	3020	0.80						
3.2	310	429	5350	0.95						
3.7	265	372	5580	1.10						
4.0	245	348	5670	1.20	R	47R37	DR	63S4	28	314
4.6	210	301	5810	1.40	RF	47R37	DR	63S4	28	314
5.4	177	255	5920	1.70						
6.0	156	228	5980	1.95						
7.1	130	195	6040	2.3						
4.1	225	338	4570	0.90						
4.7	210	296	4780	0.95						
5.3	184	259	5130	1.10	R	37R17	DR	63S4	17	314
6.0	163	228	5360	1.25	RF	37R17	DR	63S4	19	314
6.9	140	199	5550	1.40						
8.0	122	172	5680	1.65						
4.2	235	328	3730	0.85						
4.8	205	289	4880	1.00						
5.2	192	265	5040	1.05	R	37R17	DR	63S4	17	314
6.1	156	226	5410	1.30	RF	37R17	DR	63S4	18	314
6.8	144	202	5520	1.40						
7.7	125	179	5660	1.60						
6.0	158	229	4090	0.80						
6.9	138	200	4200	0.95	R	27R17	DR	63S4	11	314
7.8	121	177	4270	1.05	RF	27R17	DR	63S4	11	314
8.3	116	166	4290	1.10						
6.1	157	227	4100	0.85						
6.8	144	203	4170	0.90	R	27R17	DR	63S4	11	314
7.7	125	179	4260	1.05	RF	27R17	DR	63S4	11	314
8.8	106	156	4330	1.25						
4.6	245	195.24*	12900	3.3	R	77	DR	63M6	37	298
5.4	210	166.59	13000	3.9	RF	77	DR	63M6	43	299
6.2	186	145.67	13000	4.4	RM	77	DR	63M6	68	299
4.5	250	199.81	10100	2.4						
4.9	230	184.07	10100	2.6						
5.7	200	158.14	10300	3.0	R	67	DR	63M6	30	295
6.5	175	137.67	10300	3.4	RF	67	DR	63M6	33	296
7.0	164	128.97	10400	3.6	RM	67	DR	63M6	49	296
7.9	145	113.94	10400	4.1						
6.9	166	199.81	10300	3.6	R	67	DR	63S4	30	295
7.5	153	184.07	10400	3.9	RF	67	DR	63S4	33	296
					RM	67	DR	63S4	49	296
4.8	235	186.89	7780	1.90						
5.2	215	172.17	7820	2.0						
6.1	188	147.92	7870	2.4	R	57	DR	63M6	23	292
7.0	164	128.77	7910	2.7	RF	57	DR	63M6	27	293
7.5	154	120.63	7920	2.9	RM	57	DR	63M6	39	293
8.4	136	106.58	7950	3.3						
9.1	126	98.99	7960	3.6						

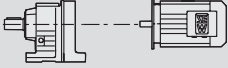



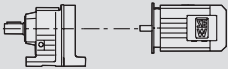

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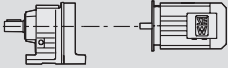

P_m = 0.12 kW										
n_a 1/min	M_a Nm	i	F_{Ra}¹⁾ N	SEW f_B					m kg	
7.4	155	186.89	7920	2.9	R RF RM	57	DR	63S4	23	292
8.0	143	172.17	7940	3.2		57	DR	63S4	27	293
9.3	123	147.92	7960	3.7		57	DR	63S4	39	293
11	107	128.77	7980	4.2						
5.1	225	176.88	5760	1.35	R RF	47	DR	63M6	18	289
5.5	205	162.94	5830	1.45		47	DR	63M6	18	290
6.4	178	139.99	5920	1.70						
7.4	155	121.87	5980	1.95						
7.8	147	176.88	6000	2.0	R RF	47	DR	63S4	18	289
8.5	135	162.94	6030	2.2		47	DR	63S4	18	290
9.9	116	139.99	6070	2.6						
11	101	121.87	6100	3.0						
12	95	114.17	6100	3.2						
14	84	100.86	6120	3.6						
15	78	93.68	6130	3.9						
6.7	172	134.82	5270	1.15	R RF	37	DR	63M6	14	286
7.3	157	123.66	5400	1.25		37	DR	63M6	16	287
8.6	134	105.28	5600	1.50						
9.9	116	90.77	5730	1.75						
11	108	84.61	5770	1.85						
12	94	73.96	5850	2.1						
10	112	134.82	5750	1.80	R RF	37	DR	63S4	14	286
11	103	123.66	5800	1.95		37	DR	63S4	16	287
13	87	105.28	5880	2.3						
15	75	90.77	5930	2.6						
16	70	84.61	5950	2.8						
19	61	73.96	5980	3.3						
7.3	158	123.91	4090	0.80	R RF	27	DR	63M6	8.3	283
8.5	134	105.49	4210	0.95		27	DR	63M6	8.2	284
9.9	116	90.96	4300	1.10						
11	108	84.78	4320	1.20						
12	94	74.11	4370	1.40						
10	112	135.09	4310	1.15	R RF	27	DR	63S4	8.3	283
11	103	123.91	4340	1.25		27	DR	63S4	8.2	284
13	88	105.49	4390	1.50						
15	76	90.96	4420	1.70						
16	70	84.78	4440	1.85						
19	62	74.11	4460	2.1						
20	58	69.47	4460	2.2						
23	51	61.30	4400	2.6						
25	46	55.87	4280	2.8						
29	40	48.17	4090	3.2						
31	37	44.90	4000	3.5						
11	104	81.64	300	0.80	R RF	17	DR	63M6	7.6	280
13	90	70.39	1470	0.95		17	DR	63M6	7.5	281
14	84	65.61	1860	1.00						
16	73	57.35	2440	1.15						
17	68	53.76	2500	1.25						
19	60	47.44	2500	1.40						
17	68	81.64	2500	1.25	R RF	17	DR	63S4	7.6	280
20	58	70.39	2500	1.45		17	DR	63S4	7.5	281
21	54	65.61	2500	1.55						
24	48	57.35	2500	1.80						
26	45	53.76	2500	1.90						
29	39	47.44	2500	2.2						
31	37	44.18	2500	2.3						
36	32	38.61	2430	2.6						
38	30	36.20	2390	2.8						
43	26	31.94	2310	3.2						
49	24	28.32	2230	3.6						
57	20	24.07	2130	4.2						

P_m = 0.12 kW									m	
n_a 1/min	M_a Nm	i	F_{Ra}¹⁾ N	SEW f_B				kg		
23	50	60.32	1500	1.00						
27	43	51.52	1550	1.15						
29	40	47.78	1560	1.25						
31	37	44.16	1530	1.35						
33	34	41.31	1510	1.45						
34	34	40.34	1500	1.50	R	07	DR	63S4	6.4	277
36	32	38.51	1490	1.55	RF	07	DR	63S4	6.4	278
41	28	34.05	1440	1.75						
47	24	29.08	1390	2.1						
51	22	26.97	1360	2.2						
59	19	23.32	1320	2.6						
63	18	21.73	1290	2.8						
22	53	60.32	1480	0.95						
25	45	51.52	1540	1.10						
27	42	47.78	1550	1.20						
29	39	44.16	1550	1.30						
31	36	41.31	1530	1.35						
32	36	40.34	1520	1.40	R	07	DT	56L4	5.8	277
34	34	38.51	1510	1.45	RF	07	DT	56L4	5.8	278
38	30	34.05	1460	1.65						
45	26	29.08	1410	1.95						
48	24	26.97	1380	2.1						
56	21	23.32	1340	2.4						
60	19	21.73	1310	2.6						
75	15	18.31	1230	3.3						
82	14	16.73	1200	3.6						
98	12	14.12	1150	4.3						
114	10	12.06	1100	5.0						
123	9.3	11.18	1070	5.4						
143	8.0	9.67	1030	6.2						
153	7.5	9.01	1010	6.7						
176	6.5	7.85	970	7.5	R	07	DR	63S4	6.3	277
185	6.2	7.48	950	6.9	RF	07	DR	63S4	6.3	278
202	5.7	6.83	930	7.5						
239	4.8	5.76	880	8.3						
280	4.1	4.92	840	9.0						
302	3.8	4.57	820	9.5						
350	3.3	3.95	785	10						
375	3.1	3.68	765	11						
430	2.7	3.21	735	11						
71	16	18.31	1250	3.1						
78	15	16.73	1220	3.4						
92	12	14.12	1170	4.0						
108	11	12.06	1120	4.7						
116	9.9	11.18	1090	5.0						
134	8.5	9.67	1050	5.9						
144	7.9	9.01	1030	6.3						
166	6.9	7.85	980	7.1	R	07	DT	56L4	5.7	277
174	6.6	7.48	970	6.5	RF	07	DT	56L4	5.7	278
190	6.0	6.83	950	7.2						
226	5.1	5.76	900	7.8						
264	4.3	4.92	860	8.6						
285	4.0	4.57	840	9.0						
329	3.5	3.95	800	9.7						
353	3.2	3.68	780	10						
405	2.8	3.21	750	11						
227	5.0	6.07	4260	8.6						
267	4.3	5.18	4050	17	RX	67	DR	63S4	16	267
305	3.8	4.53	3870	22	RXF	67	DR	63S4	20	268
321	3.6	4.30*	3810	22						

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P_m = 0.12 kW										
n _a 1/min	M _a Nm	i	F _{Ra} ¹⁾ N	SEW f _B					m kg	
251	4.6	5.50*	3360	8.5						
272	4.2	5.07	3270	8.6						
317	3.6	4.35	3120	19						
364	3.1	3.79	2980	22						
389	2.9	3.55*	2910	24						
440	2.6	3.14	2800	25	RX	57	DR	63S4	14	265
474	2.4	2.91	2730	28	RXF	57	DR	63S4	16	266
523	2.2	2.64*	2640	31						
582	2.0	2.37	2550	34						
676	1.7	2.04	2430	41						
719	1.6	1.92*	2380	43						
835	1.4	1.65	2260	49						

P_m = 0.18 kW										
n _a 1/min	M _a Nm	i	F _{Ra} ¹⁾ N	SEW f _B					m kg	
0.09	14900	14075	50900	0.85	R	147R77	DR	63M4	420	314
0.11	13000	12344	62500	1.00	RF	147R77	DR	63M4	430	314
0.12	11600	11143	65200	1.10	RM	147R77	DR	63M4	600	314
0.14	10300	9743	67300	1.25						
0.16	8550	8443	69700	1.50						
0.18	7400	7307	70900	1.75						
0.20	6530	6447	71800	2.00	R	147R77	DR	63M4	420	314
0.24	5640	5568	72500	2.3	RF	147R77	DR	63M4	430	314
0.27	5140	4926	72800	2.5	RM	147R77	DR	63M4	600	314
0.31	4420	4325	73300	2.9						
0.35	3920	3754	73600	3.3						
0.40	3370	3302	73800	3.8						
0.15	8900	8784	50100	0.90						
0.18	7390	7479	54600	1.10						
0.20	6950	6559	55500	1.15	R	137R77	DR	63M4	290	314
0.23	5760	5834	57400	1.40	RF	137R77	DR	63M4	310	314
0.26	5420	5116	57900	1.50	RM	137R77	DR	63M4	425	314
0.30	4520	4464	59000	1.75						
0.34	3980	3928	59500	2.0						
0.28	5060	4709	58300	1.60						
0.33	4320	4018	59200	1.85	R	137R77	DR	63M4	280	314
0.38	3770	3514	59700	2.1	RF	137R77	DR	63M4	300	314
0.40	3580	3338	59900	2.2	RM	137R77	DR	63M4	415	314
0.45	3140	2929	60200	2.5						
0.30	4490	4435	28400	0.95	R	107R77	DR	63M4	200	314
0.34	3980	3896	31100	1.10	RF	107R77	DR	63M4	210	314
0.43	3220	3039	34200	1.35	RM	107R77	DR	63M4	295	314
0.34	4210	3918	29900	1.00						
0.39	3590	3343	32800	1.20	R	107R77	DR	63M4	195	314
0.44	3260	3034	34100	1.30	RF	107R77	DR	63M4	200	314
0.50	2850	2653	35400	1.50	RM	107R77	DR	63M4	290	314
0.58	2450	2280	36200	1.75						
0.64	2210	2067	36500	1.95						
0.66	2100	1987	36700	2.0						
0.72	1870	1827	36900	2.3	R	107R77	DR	63M4	200	314
0.83	1590	1599	37200	2.7	RF	107R77	DR	63M4	205	314
0.94	1430	1400	37300	3.0	RM	107R77	DR	63M4	295	314
1.1	1220	1226	37400	3.5						

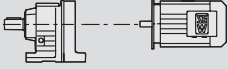

P_m = 0.18 kW										
n_a 1/min	M_a Nm	i	F_{Ra}¹⁾ N	SEW f_B					m kg	
0.49	2990	2668	20000	1.00						
0.59	2480	2245	24200	1.20						
0.65	2200	2016	25500	1.35						
0.76	1960	1733	26500	1.50						
0.81	1840	1623	27000	1.65	R	97R57	DR	63M4	125	314
0.92	1610	1434	27500	1.85	RF	97R57	DR	63M4	140	314
1.1	1330	1207	27900	2.2	RM	97R57	DR	63M4	195	314
1.2	1180	1084	28000	2.5						
1.4	1000	934	28200	3.0						
1.5	930	878	28300	3.2						
1.8	790	755	28400	3.8						
0.49	3090	2722	15900	0.95	R	97R57	DR	63M4	130	314
0.57	2620	2311	23400	1.15	RF	97R57	DR	63M4	145	314
0.64	2350	2078	24800	1.25	RM	97R57	DR	63M4	195	314
0.89	1690	1489	15900	0.90						
0.95	1580	1395	16700	1.00						
1.1	1380	1232	18000	1.10	R	87R57	DR	63M4	85	314
1.2	1270	1145	18600	1.20	RF	87R57	DR	63M4	92	314
1.3	1140	1037	19200	1.35	RM	87R57	DR	63M4	120	314
1.4	1010	931	19800	1.50						
1.6	860	802	20000	1.80						
0.87	1680	1524	15900	0.90						
1.0	1390	1303	17900	1.10	R	87R57	DR	63M4	85	314
1.2	1220	1143	18900	1.25	RF	87R57	DR	63M4	92	314
1.5	970	885	19900	1.60	RM	87R57	DR	63M4	120	314
1.7	850	776	20000	1.80						
1.5	970	858	5830	0.85	R	77R37	DR	63M4	45	314
1.7	850	757	9590	0.95	RF	77R37	DR	63M4	51	314
2.0	750	671	10500	1.10	RM	77R37	DR	63M4	76	314
2.3	630	571	11400	1.30						
1.6	880	821	9230	0.90						
1.8	800	731	10100	1.00						
2.0	745	646	10500	1.10						
2.4	645	560	11300	1.25	R	77R37	DR	63M4	46	314
2.7	550	488	11800	1.50	RF	77R37	DR	63M4	52	314
3.0	485	436	12100	1.70	RM	77R37	DR	63M4	77	314
3.5	420	373	12400	1.95						
4.0	365	327	12600	2.2						
4.6	325	289	12700	2.5						
2.3	635	571	7060	0.95	R	67R37	DR	63M4	40	314
2.7	535	486	8250	1.10	RF	67R37	DR	63M4	43	314
					RM	67R37	DR	63M4	59	314
2.3	655	574	5820	0.90						
2.7	565	495	7950	1.05						
3.0	480	438	8740	1.25	R	67R37	DR	63M4	41	314
3.4	425	388	9160	1.40	RF	67R37	DR	63M4	44	314
3.8	390	344	9380	1.55	RM	67R37	DR	63M4	60	314
4.5	315	294	9800	1.90						
5.1	290	261	9920	2.1						
2.9	500	454	6650	0.90	R	57R37	DR	63M4	33	314
3.2	450	410	7090	1.00	RF	57R37	DR	63M4	37	314
					RM	57R37	DR	63M4	49	314
2.8	535	471	5250	0.85						
3.7	400	357	7300	1.10						
4.1	355	319	7460	1.25	R	57R37	DR	63M4	34	314
4.8	300	273	7630	1.50	RF	57R37	DR	63M4	38	314
5.5	260	241	7730	1.75	RM	57R37	DR	63M4	50	314
6.1	230	215	7790	1.95						

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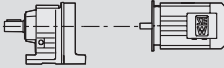

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Helical gearmotors

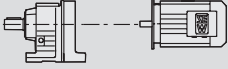

R..DRN.. selection tables in kW

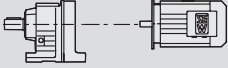

P_m = 0.18 kW										
n_a 1/min	M_a Nm	i	F_{Ra}¹⁾ N	SEW f_B					m kg	
3.7	420	359	7230	1.05						
4.1	375	324	7380	1.20						
4.6	335	290	7530	1.35						
5.0	300	262	7620	1.50	R	57R37	DR	63M4	33	314
5.4	280	246	7680	1.60	RF	57R37	DR	63M4	37	314
6.0	245	220	7750	1.80	RM	57R37	DR	63M4	49	314
7.0	210	188	7830	2.1						
8.3	177	159	7890	2.6						
4.4	345	301	4150	0.85						
5.2	290	255	5460	1.05	R	47R37	DR	63M4	28	314
5.8	255	228	5620	1.15	RF	47R37	DR	63M4	28	314
6.8	215	195	5790	1.40						
6.6	225	199	4510	0.85						
7.7	199	172	4960	1.00	R	37R17	DR	63M4	17	314
8.8	173	150	5260	1.15	RF	37R17	DR	63M4	19	314
6.5	230	202	4050	0.85						
7.4	205	179	4870	0.95	R	37R17	DR	63M4	17	314
8.5	176	156	5220	1.15	RF	37R17	DR	63M4	18	314
9.4	157	141	4100	0.85						
11	139	124	4190	0.95	R	27R17	DR	63M4	11	314
12	124	110	4260	1.05	RF	27R17	DR	63M4	11	314
14	105	94	4340	1.25						
9.8	152	135	4120	0.85						
11	139	118	4190	0.95	R	27R17	DR	63M4	11	314
13	121	104	4270	1.10	RF	27R17	DR	63M4	11	314
15	104	90	4340	1.25						
4.5	385	195.24*	12500	2.1	R	77	DR	63L6	38	298
5.2	325	166.59	12700	2.5	RF	77	DR	63L6	43	299
					RM	77	DR	63L6	68	299
6.0	285	145.67	12800	2.8	R	77	DR	63L6	38	298
6.3	270	138.39	12900	3.0	RF	77	DR	63L6	43	299
7.2	235	121.42	12900	3.4	RM	77	DR	63L6	68	299
6.8	250	195.24*	12900	3.2						
7.9	215	166.59	13000	3.8	R	77	DR	63M4	37	298
9.1	190	145.67	13000	4.3	RF	77	DR	63M4	43	299
9.5	180	138.39	13000	4.6	RM	77	DR	63M4	68	299
4.4	390	199.81	9370	1.50						
4.7	360	184.07	9560	1.65						
5.5	310	158.14	9830	1.90						
6.3	270	137.67	10000	2.2						
6.8	250	128.97	10100	2.4	R	67	DR	63L6	30	295
7.6	225	113.94	10200	2.7	RF	67	DR	63L6	34	296
8.2	205	105.83	10200	2.9	RM	67	DR	63L6	49	296
9.1	190	95.91	10300	3.2						
10	170	86.11	10300	3.5						
12	146	74.17	10400	4.1						
12	138	69.75	10400	4.4						
6.6	260	199.81	10100	2.3						
7.2	235	184.07	10100	2.5						
8.4	205	158.14	10200	2.9	R	67	DR	63M4	30	295
9.6	179	137.67	10300	3.4	RF	67	DR	63M4	33	296
10	168	128.97	10300	3.6	RM	67	DR	63M4	49	296
12	148	113.94	10400	4.0						
12	138	105.83	10400	4.4						
4.7	365	186.89	7420	1.20						
5.0	340	172.17	7510	1.30	R	57	DR	63L6	24	292
5.9	290	147.92	7650	1.55	RF	57	DR	63L6	27	293
6.8	250	128.77	7740	1.75	RM	57	DR	63L6	39	293
7.2	235	120.63	7780	1.90						

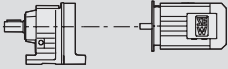

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P_m = 0.18 kW										
n_a 1/min	M_a Nm	i	F_{Ra}¹⁾ N	SEW f_B					m kg	
7.1	240	186.89	7770	1.85						
7.7	220	172.17	7810	2.0						
8.9	193	147.92	7860	2.3	R	57	DR	63M4	23	292
10	168	128.77	7900	2.7	RF	57	DR	63M4	27	293
11	157	120.63	7920	2.9	RM	57	DR	63M4	39	293
12	139	106.58	7940	3.2						
13	129	98.99	7950	3.5						
15	117	89.71	7970	3.8						
7.5	230	176.88	5740	1.30						
8.1	210	162.94	5810	1.40						
9.4	182	139.99	5910	1.65	R	47	DR	63M4	18	289
11	159	121.87	5980	1.90	RF	47	DR	63M4	18	290
12	149	114.17	6000	2.0						
13	131	100.86	6040	2.3						
14	122	93.68	6060	2.5						
16	111	84.90	6080	2.7						
17	99	76.23	6100	3.0						
7.0	240	123.66	3060	0.80	R	37	DR	63L6	15	286
8.3	205	105.28	4840	0.95	RF	37	DR	63L6	16	287
9.6	179	90.77	5190	1.10						
10	167	84.61	5310	1.20						
9.8	176	134.82	5230	1.15						
11	161	123.66	5370	1.25						
13	137	105.28	5580	1.45						
15	118	90.77	5710	1.70	R	37	DR	63M4	14	286
16	110	84.61	5760	1.80	RF	37	DR	63M4	16	287
18	96	73.96	5840	2.1						
19	90	69.33	5870	2.2						
22	80	61.18	5920	2.5						
24	73	55.76	5940	2.8						
27	63	48.08	5960	3.2						
11	161	123.91	4070	0.80						
13	137	105.49	4200	0.95						
15	118	90.96	4280	1.10						
16	110	84.78	4320	1.20						
18	96	74.11	4360	1.35						
19	90	69.47	4380	1.45						
22	80	61.30	4320	1.65	R	27	DR	63M4	8.3	283
24	73	55.87	4210	1.80	RF	27	DR	63M4	8.2	284
27	63	48.17	4040	2.1						
29	58	44.90	3960	2.2						
34	51	39.25	3810	2.5						
36	48	36.79	3740	2.7						
41	42	32.47	3610	3.1						
46	38	28.78	3480	3.5						
54	32	24.47	3310	4.1						
47	37	28.37	3460	3.5						
51	34	26.09	3380	3.8						
59	29	22.32	3220	4.5	R	27	DR	63M4	8.0	283
68	25	19.35	3090	5.2	RF	27	DR	63M4	8.0	284
73	24	18.08	3020	5.5						
84	20	15.63	2890	6.4						
99	17	13.28*	2750	7.5						
16	106	81.64	47	0.80						
19	92	70.39	1330	0.95						
20	85	65.61	1740	1.00						
23	75	57.35	2350	1.15						
25	70	53.76	2500	1.20						
28	62	47.44	2450	1.40	R	17	DR	63M4	7.6	280
30	58	44.18	2410	1.50	RF	17	DR	63M4	7.5	281
34	50	38.61	2340	1.70						
36	47	36.20	2300	1.80						
41	42	31.94	2240	2.0						
47	37	28.32	2170	2.3						
55	31	24.07	2080	2.7						

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P_m = 0.18 kW										
n_a 1/min	M_a Nm	i	F_{Ra}¹⁾ N	SEW f_B					m kg	
52	33	25.23	2110	2.6						
57	30	23.15	2060	2.8	R	17	DR	63M4	7.3	280
67	26	19.71	1970	3.3	RF	17	DR	63M4	7.2	281
78	22	16.99	1890	3.8						
28	62	47.78	1100	0.80						
30	58	44.16	1340	0.85						
32	54	41.31	1390	0.95						
33	52	40.34	1380	0.95						
34	50	38.51	1380	1.00	R	07	DR	63M4	6.4	277
39	44	34.05	1350	1.15	RF	07	DR	63M4	6.4	278
45	38	29.08	1310	1.30						
49	35	26.97	1290	1.40						
57	30	23.32	1250	1.65						
61	28	21.73	1240	1.75						
72	24	18.31	1190	2.1						
79	22	16.73	1160	2.3						
94	18	14.12	1120	2.7						
109	16	12.06	1070	3.2						
118	15	11.18	1050	3.4						
137	13	9.67	1010	4.0						
146	12	9.01	990	4.3						
168	10	7.85	960	4.8	R	07	DR	63M4	6.3	277
177	9.7	7.48	940	4.4	RF	07	DR	63M4	6.3	278
193	8.9	6.83	920	4.8						
229	7.5	5.76	880	5.3						
268	6.4	4.92	840	5.8						
289	5.9	4.57	820	6.1						
334	5.1	3.95	785	6.7						
359	4.8	3.68	765	6.9						
412	4.2	3.21	735	7.4						
243	7.1	11.18	860	7.0						
281	6.1	9.67	820	8.2						
302	5.7	9.01	810	8.8						
346	5.0	7.85	775	9.8						
364	4.7	7.48	765	9.2						
398	4.3	6.83	740	10	R	07	DR	63S2	6.3	277
472	3.6	5.76	705	11	RF	07	DR	63S2	6.3	278
552	3.1	4.92	670	12						
596	2.9	4.57	655	12						
689	2.5	3.95	625	14						
739	2.3	3.68	615	14						
848	2.0	3.21	585	16						
143	12	6.07	4940	3.6	RX	67	DR	63L6	17	267
168	10	5.18	4690	7.4	RXF	67	DR	63L6	21	268
192	8.9	4.53	4490	9.2						
202	8.5	4.30*	4410	9.4						
218	7.9	6.07	4310	5.4						
255	6.7	5.18	4090	11						
292	5.9	4.53	3920	14						
307	5.6	4.30*	3850	14						
350	4.9	3.77	3690	18	RX	67	DR	63M4	16	267
412	4.2	3.20*	3500	24	RXF	67	DR	63M4	20	268
457	3.8	2.89	3380	28						
519	3.3	2.54	3240	36						
550	3.1	2.40*	3180	40						
646	2.7	2.04	3020	50						
158	11	5.50*	3880	3.6	RX	57	DR	63L6	14	265
172	10	5.07	3780	3.6	RXF	57	DR	63L6	16	266
200	8.6	4.35	3600	7.9						
230	7.5	3.79	3440	9.2						

P_m = 0.18 kW										
n _a 1/min	M _a Nm	i	F _{Ra} ¹⁾ N	SEW f _B					m kg	
240	7.2	5.50*	3400	5.4						
261	6.6	5.07	3310	5.4						
303	5.7	4.35	3150	12						
348	4.9	3.79	3010	14						
372	4.6	3.55*	2940	15						
421	4.1	3.14	2830	16	RX	57	DR	63M4	14	265
453	3.8	2.91	2760	18	RXF	57	DR	63M4	16	266
500	3.4	2.64*	2670	20						
557	3.1	2.37	2580	22						
647	2.7	2.04	2460	26						
688	2.5	1.92*	2410	28						
799	2.2	1.65	2290	31						

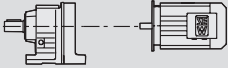

P_m = 0.25 kW										
n _a 1/min	M _a Nm	i	F _{Ra} ¹⁾ N	SEW f _B					m kg	
0.13	15100	9743	48200	0.85						
0.15	12700	8443	63100	1.00						
0.18	11000	7307	66200	1.20						
0.20	9740	6447	68100	1.35	R	147R77	DR	63L4	420	314
0.23	8410	5568	69800	1.55	RF	147R77	DR	63L4	430	314
0.26	7590	4926	70700	1.70	RM	147R77	DR	63L4	600	314
0.30	6570	4325	71700	2.00						
0.35	5790	3754	72400	2.2						
0.39	5020	3302	72900	2.6						
0.45	4370	2898	73300	3.0						
0.22	8660	5834	51100	0.90	R	137R77	DR	63L4	290	314
0.25	7960	5116	53500	1.00	RF	137R77	DR	63L4	310	314
0.29	6740	4464	55800	1.20	RM	137R77	DR	63L4	425	314
0.33	5930	3928	57100	1.35						
0.28	7430	4709	54600	1.10	R	137R77	DR	63L4	280	314
0.32	6340	4018	56500	1.25	RF	137R77	DR	63L4	300	314
0.37	5540	3514	57700	1.45	RM	137R77	DR	63L4	415	314
0.39	5260	3338	58100	1.50						
0.44	4620	2929	58900	1.75						
0.49	4180	2658	59300	1.90	R	137R77	DR	63L4	290	314
0.54	3800	2412	59700	2.1	RF	137R77	DR	63L4	310	314
0.63	3260	2073	60100	2.4	RM	137R77	DR	63L4	420	314
0.71	2810	1839	60500	2.8						
0.93	2180	1397	60800	3.7						
1.1	1880	1226	61000	4.2						
0.43	4730	3039	25600	0.90	R	107R77	DR	63L4	205	314
					RF	107R77	DR	63L4	210	314
					RM	107R77	DR	63L4	295	314
0.43	4780	3034	23600	0.90	R	107R77	DR	63L4	195	314
					RF	107R77	DR	63L4	200	314
					RM	107R77	DR	63L4	290	314
0.65	3100	1987	34600	1.40						
0.71	2790	1827	35600	1.55						
0.81	2400	1599	36300	1.80	R	107R77	DR	63L4	200	314
0.93	2140	1400	36600	2.0	RF	107R77	DR	63L4	205	314
1.1	1840	1226	36900	2.3	RM	107R77	DR	63L4	295	314
1.4	1430	939	37300	3.0						
1.6	1230	822	37400	3.5						
0.75	2840	1733	22000	1.05	R	97R57	DR	63L4	125	314
0.80	2650	1623	23200	1.15	RF	97R57	DR	63L4	145	314
					RM	97R57	DR	63L4	195	314

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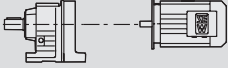

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Helical gearmotors

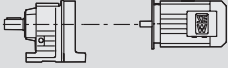

R..DRN.. selection tables in kW

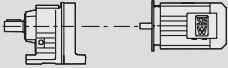

P_m = 0.25 kW										
n_a 1/min	M_a Nm	i	F_{Ra}¹⁾ N	SEW f_B					m kg	
0.71	2960	1823	21100	1.00						
0.82	2570	1583	23700	1.15						
0.93	2230	1396	25400	1.35						
1.1	1940	1228	26600	1.55	R	97R57	DR	63L4	130	314
1.2	1750	1069	27300	1.70	RF	97R57	DR	63L4	145	314
1.4	1520	938	27600	1.95	RM	97R57	DR	63L4	195	314
1.6	1300	824	27900	2.3						
1.8	1160	737	28100	2.6						
2.1	990	632	28200	3.0						
1.1	1850	1145	10700	0.85	R	87R57	DR	63L4	85	314
1.2	1660	1037	16000	0.95	RF	87R57	DR	63L4	93	314
1.4	1480	931	17400	1.05	RM	87R57	DR	63L4	120	314
1.6	1260	802	18600	1.20						
1.1	1790	1143	14700	0.85						
1.5	1420	885	17800	1.10						
1.7	1240	776	18700	1.25	R	87R57	DR	63L4	86	314
1.9	1100	685	19400	1.40	RF	87R57	DR	63L4	93	314
2.2	920	599	20000	1.65	RM	87R57	DR	63L4	125	314
2.5	810	525	20000	1.90						
2.8	715	456	20000	2.2						
4.9	415	268	20000	3.7						
2.3	910	571	8910	0.90	R	77R37	DR	63L4	46	314
					RF	77R37	DR	63L4	52	314
					RM	77R37	DR	63L4	77	314
2.3	920	560	8780	0.90						
2.7	795	488	10100	1.05						
3.0	705	436	10900	1.15	R	77R37	DR	63L4	47	314
3.5	605	373	11500	1.35	RF	77R37	DR	63L4	53	314
4.0	530	327	11900	1.55	RM	77R37	DR	63L4	78	314
4.5	470	289	12200	1.75						
5.0	420	260	12400	1.95						
5.8	355	224	12600	2.3						
3.4	620	388	7290	0.95						
3.8	565	344	7950	1.05						
4.4	465	294	8870	1.30	R	67R37	DR	63L4	41	314
5.0	420	261	9180	1.40	RF	67R37	DR	63L4	45	314
5.6	380	234	9460	1.60	RM	67R37	DR	63L4	60	314
6.5	320	200	9780	1.85						
7.4	275	176	9980	2.2						
8.2	250	158	10100	2.4						
3.4	640	384	6960	0.95						
3.6	600	359	7550	1.00						
4.2	515	310	8430	1.15	R	67R37	DR	63L4	41	314
4.9	435	264	9100	1.40	RF	67R37	DR	63L4	44	314
5.5	385	235	9420	1.55	RM	67R37	DR	63L4	59	314
6.5	325	201	9750	1.85						
7.2	295	181	9900	2.0						
4.1	515	319	6050	0.85						
4.8	435	273	7160	1.05						
5.4	380	241	7380	1.20	R	57R37	DR	63L4	35	314
6.0	340	215	7510	1.30	RF	57R37	DR	63L4	38	314
7.0	300	187	7630	1.50	RM	57R37	DR	63L4	50	314
7.9	260	164	7730	1.75						
9.2	225	142	7800	2.00						
4.0	540	324	4980	0.85						
4.5	480	290	6950	0.95	R	57R37	DR	63L4	34	314
5.0	435	262	7160	1.05	RF	57R37	DR	63L4	37	314
5.3	405	246	7280	1.10	RM	57R37	DR	63L4	49	314
5.9	360	220	7440	1.25						
5.7	370	228	2440	0.80						
6.7	315	195	5320	0.95	R	47R37	DR	63L4	29	314
7.1	295	182	5440	1.00	RF	47R37	DR	63L4	29	314
8.5	245	154	5680	1.20						

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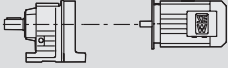

P_m = 0.25 kW										
n_a 1/min	M_a Nm	i	F_{Ra}¹⁾ N	SEW f_B					m kg	
8.7	245	150	2540	0.80						
10	210	130	4790	0.95	R	37R17	DR	63L4	18	314
10	200	124	4930	1.00	RF	37R17	DR	63L4	19	314
12	178	110	5200	1.10						
14	152	94	5460	1.30						
9.7	220	135	4660	0.90						
10	210	127	4770	0.95	R	37R17	DR	63L4	18	314
12	174	104	5250	1.15	RF	37R17	DR	63L4	19	314
14	150	90	5470	1.35						
4.6	520	195.24*	12000	1.55	R	77	DRS	71S6	39	298
5.4	440	166.59	12300	1.85	RF	77	DRS	71S6	45	299
6.1	385	145.67	12500	2.1	RM	77	DRS	71S6	70	299
6.7	355	195.24*	12600	2.3						
7.8	305	166.59	12800	2.7	R	77	DR	63L4	38	298
8.9	265	145.67	12900	3.1	RF	77	DR	63L4	43	299
9.4	250	138.39	12900	3.2	RM	77	DR	63L4	68	299
11	220	121.42	13000	3.7						
4.5	530	199.81	8280	1.15						
4.9	490	184.07	8660	1.20						
5.7	420	158.14	9190	1.40	R	67	DRS	71S6	32	295
6.5	365	137.67	9540	1.65	RF	67	DRS	71S6	35	296
6.9	340	128.97	9670	1.75	RM	67	DRS	71S6	51	296
7.8	300	113.94	9870	1.95						
8.5	280	105.83	9960	2.1						
6.5	365	199.81	9540	1.65						
7.1	335	184.07	9700	1.80						
8.2	290	158.14	9930	2.1						
9.4	250	137.67	10100	2.4	R	67	DR	63L4	30	295
10	235	128.97	10100	2.5	RF	67	DR	63L4	34	296
11	205	113.94	10200	2.9	RM	67	DR	63L4	49	296
12	194	105.83	10300	3.1						
14	176	95.91	10300	3.4						
15	158	86.11	10400	3.8						
4.8	495	186.89	6760	0.90						
5.2	455	172.17	7060	1.00						
6.0	390	147.92	7330	1.15	R	57	DRS	71S6	26	292
7.0	340	128.77	7500	1.30	RF	57	DRS	71S6	29	293
7.4	320	120.63	7570	1.40	RM	57	DRS	71S6	41	293
8.4	280	106.58	7670	1.60						
9.0	260	98.99	7720	1.70						
7.0	340	186.89	7500	1.30						
7.6	315	172.17	7580	1.40						
8.8	270	147.92	7700	1.65						
10	235	128.77	7780	1.90						
11	220	120.63	7810	2.0	R	57	DR	63L4	24	292
12	196	106.58	7860	2.3	RF	57	DR	63L4	27	293
13	182	98.99	7880	2.5	RM	57	DR	63L4	39	293
14	165	89.71	7910	2.7						
16	148	80.55	7930	3.0						
19	127	69.23	7960	3.5						
7.4	320	176.88	5280	0.90						
8.0	295	162.94	5420	1.00						
9.3	255	139.99	5630	1.15						
11	220	121.87	5770	1.35						
11	205	114.17	5820	1.45						
13	185	100.86	5900	1.60						
14	172	93.68	5940	1.75	R	47	DR	63L4	19	289
15	156	84.90	5980	1.90	RF	47	DR	63L4	19	290
17	140	76.23	6020	2.1						
19	126	68.54	6050	2.4						
20	118	64.21	6070	2.5						
23	104	56.73	6090	2.9						
25	97	52.69	6100	3.1						
27	88	47.75	6080	3.4						

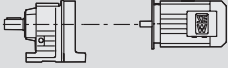

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P_m = 0.25 kW										
n_a 1/min	M_a Nm	i	F_{Ra}¹⁾ N	SEW f_B					m kg	
9.6	245	134.82	2630	0.80						
11	225	123.66	4560	0.90						
12	193	105.28	5030	1.05						
14	167	90.77	5320	1.20						
15	155	84.61	5420	1.30						
18	136	73.96	5580	1.45						
19	127	69.33	5650	1.55	R	37	DR	63L4	15	286
21	112	61.18	5750	1.80	RF	37	DR	63L4	16	287
23	102	55.76	5800	1.95						
27	88	48.08	5870	2.3						
29	82	44.81	5760	2.4						
33	72	39.17	5540	2.8						
35	67	36.72	5430	3.0						
40	60	32.40	5230	3.4						
15	156	84.78	4100	0.85						
18	136	74.11	4210	0.95						
19	128	69.47	4240	1.00						
21	113	61.30	4180	1.15						
23	103	55.87	4090	1.25						
27	88	48.17	3940	1.45	R	27	DR	63L4	9.0	283
29	82	44.90	3870	1.60	RF	27	DR	63L4	8.9	284
33	72	39.25	3730	1.80						
35	68	36.79	3660	1.90						
40	60	32.47	3540	2.2						
45	53	28.78	3420	2.5						
53	45	24.47	3270	2.9						
46	52	28.37	3410	2.5						
50	48	26.09	3330	2.7						
58	41	22.32	3180	3.2						
67	36	19.35	3050	3.7						
72	33	18.08	2990	3.9						
83	29	15.63	2860	4.5						
98	24	13.28*	2730	5.3						
110	22	11.86	2630	5.9						
128	19	10.13	2510	6.6	R	27	DR	63L4	8.7	283
138	17	9.41	2440	7.0	RF	27	DR	63L4	8.6	284
159	15	8.16	2330	7.7						
170	14	7.63*	2280	8.0						
197	12	6.59	2180	8.8						
232	10	5.60*	2080	9.6						
260	9.2	5.00*	2000	10						
304	7.8	4.27	1900	11						
325	7.3	4.00*	1870	12						
386	6.2	3.37	1770	13						
23	105	57.35	156	0.80						
24	99	53.76	785	0.85						
27	87	47.44	1630	1.00						
29	81	44.18	2000	1.05	R	17	DR	63L4	8.3	280
34	71	38.61	2200	1.20	RF	17	DR	63L4	8.2	281
36	66	36.20	2180	1.30						
41	59	31.94	2120	1.45						
46	52	28.32	2070	1.65						
54	44	24.07	2000	1.90						
52	46	25.23	2020	1.85						
56	42	23.15	1980	2.0						
66	36	19.71	1910	2.4						
77	31	16.99	1840	2.7	R	17	DR	63L4	8.0	280
82	29	15.84	1810	2.9	RF	17	DR	63L4	7.9	281
94	25	13.84	1740	3.4						
100	24	12.98	1720	3.6						
114	21	11.45	1660	3.9						
38	62	34.05	1090	0.80						
45	53	29.08	1200	0.95	R	07	DR	63L4	7.2	277
48	50	26.97	1190	1.00	RF	07	DR	63L4	7.2	278
56	43	23.32	1170	1.15						
60	40	21.73	1160	1.25						

P_m = 0.25 kW										
n _a 1/min	M _a Nm	i	F _{Ra} ¹⁾ N	SEW f _B					m kg	
71	34	18.31	1120	1.50						
78	31	16.73	1100	1.65						
92	26	14.12	1070	1.95						
108	22	12.06	1030	2.3						
116	20	11.18	1010	2.4						
134	18	9.67	980	2.8						
144	16	9.01	960	3.0						
166	14	7.85	930	3.4	R	07	DR	63L4	7.0	277
174	14	7.48	920	3.1	RF	07	DR	63L4	7.0	278
190	12	6.83	900	3.4						
226	11	5.76	860	3.8						
264	9.0	4.92	820	4.1						
285	8.4	4.57	800	4.3						
329	7.3	3.95	770	4.7						
353	6.8	3.68	755	4.8						
405	5.9	3.21	725	5.2						
238	10	11.18	840	5.0						
275	8.7	9.67	810	5.8						
295	8.1	9.01	795	6.2						
339	7.0	7.85	765	7.0						
356	6.7	7.48	755	6.4						
389	6.1	6.83	735	7.0	R	07	DR	63M2	6.3	277
461	5.2	5.76	700	7.7	RF	07	DR	63M2	6.3	278
540	4.4	4.92	665	8.4						
583	4.1	4.57	650	8.8						
674	3.5	3.95	625	9.7						
723	3.3	3.68	610	10						
829	2.9	3.21	585	11						
148	16	6.07	4860	2.6						
173	14	5.18	4620	5.4	RX	67	DRS	71S6	19	267
198	12	4.53	4420	6.8	RXF	67	DRS	71S6	23	268
208	12	4.30*	4350	7.0						
214	11	6.07	4310	3.9						
251	9.5	5.18	4100	7.9						
287	8.3	4.53	3920	9.9						
302	7.9	4.30*	3860	10						
345	6.9	3.77	3700	13	RX	67	DR	63L4	17	267
406	5.9	3.20*	3500	17	RXF	67	DR	63L4	21	268
450	5.3	2.89	3390	20						
511	4.7	2.54	3250	25						
542	4.4	2.40*	3190	28						
636	3.8	2.04	3020	35						
163	15	5.50*	3820	2.6						
177	14	5.07	3720	2.7	RX	57	DRS	71S6	16	265
206	12	4.35	3540	5.9	RXF	57	DRS	71S6	18	266
236	10	3.79	3390	6.8						
236	10	5.50*	3390	3.9						
257	9.3	5.07	3300	3.9						
299	8.0	4.35	3150	8.5						
343	7.0	3.79	3010	9.9						
366	6.5	3.55*	2950	11						
414	5.8	3.14	2830	11	RX	57	DR	63L4	14	265
446	5.3	2.91	2760	13	RXF	57	DR	63L4	16	266
492	4.8	2.64*	2680	14						
548	4.4	2.37	2580	16						
637	3.7	2.04	2460	19						
677	3.5	1.92*	2410	20						
787	3.0	1.65	2300	23						

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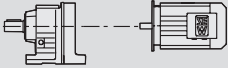

P_m = 0.37 kW										
n_a 1/min	M_a Nm	i	F_{Ra}¹⁾ N	SEW f_B					m kg	
0.19	15900	7307	37500	0.80						
0.21	14000	6447	60400	0.90						
0.25	12100	5568	64300	1.05						
0.28	10900	4926	66400	1.20	R	147R77	DRS	71S4	425	314
0.32	9470	4325	68500	1.35	RF	147R77	DRS	71S4	430	314
0.37	8310	3754	70000	1.55	RM	147R77	DRS	71S4	600	314
0.42	7230	3302	71100	1.80						
0.48	6320	2898	71900	2.1						
0.31	9730	4464	36000	0.80	R	137R77	DRS	71S4	290	314
0.35	8570	3928	51500	0.95	RF	137R77	DRS	71S4	315	314
					RM	137R77	DRS	71S4	425	314
0.34	9080	4018	48100	0.90						
0.39	7940	3514	53500	1.00	R	137R77	DRS	71S4	280	314
0.41	7540	3338	54300	1.05	RF	137R77	DRS	71S4	305	314
0.47	6610	2929	56000	1.20	RM	137R77	DRS	71S4	415	314
0.56	5600	2484	57600	1.45						
0.62	5020	2242	58400	1.60						
0.52	5990	2658	57000	1.35						
0.57	5440	2412	57800	1.45						
0.67	4670	2073	58800	1.70	R	137R77	DRS	71S4	290	314
0.75	4060	1839	59400	1.95	RF	137R77	DRS	71S4	315	314
0.99	3130	1397	60200	2.6	RM	137R77	DRS	71S4	425	314
1.1	2710	1226	60500	2.9						
1.3	2440	1090	60700	3.3						
1.4	2130	951	60900	3.8						
0.67	4660	2067	27300	0.90						
0.82	3790	1693	31900	1.15	R	107R77	DRS	71S4	200	314
0.89	3420	1550	33500	1.25	RF	107R77	DRS	71S4	205	314
0.98	3100	1407	34600	1.40	RM	107R77	DRS	71S4	290	314
1.1	2660	1209	35900	1.60						
1.3	2330	1055	36400	1.85						
0.69	4450	1987	28600	0.95						
0.76	4030	1827	30800	1.05						
0.86	3490	1599	33200	1.25	R	107R77	DRS	71S4	205	314
0.99	3090	1400	34600	1.40	RF	107R77	DRS	71S4	210	314
1.1	2670	1226	35900	1.60	RM	107R77	DRS	71S4	295	314
1.5	2070	939	36700	2.1						
1.7	1790	822	37000	2.4						
1.1	2760	1207	22500	1.10	R	97R57	DRS	71S4	130	314
1.3	2460	1084	24300	1.20	RF	97R57	DRS	71S4	145	314
					RM	97R57	DRS	71S4	195	314
0.99	3170	1396	10800	0.95						
1.1	2770	1228	22500	1.10						
1.3	2470	1069	24200	1.20						
1.5	2160	938	25700	1.40						
1.7	1860	824	26900	1.60	R	97R57	DRS	71S4	130	314
1.9	1660	737	27400	1.80	RF	97R57	DRS	71S4	145	314
2.2	1420	632	27700	2.1	RM	97R57	DRS	71S4	200	314
3.2	980	431	28200	3.1						
3.6	850	379	28300	3.5						
4.1	765	336	28400	3.9						
1.7	1810	802	13800	0.85	R	87R57	DRS	71S4	87	314
1.8	1690	754	15800	0.90	RF	87R57	DRS	71S4	94	314
2.1	1440	649	17600	1.05	RM	87R57	DRS	71S4	125	314
1.8	1770	776	15100	0.85						
2.0	1560	685	16800	1.00						
2.3	1330	599	18300	1.15	R	87R57	DRS	71S4	88	314
2.6	1170	525	19100	1.30	RF	87R57	DRS	71S4	95	314
3.0	1020	456	19700	1.50	RM	87R57	DRS	71S4	125	314
5.2	595	268	20000	2.6						
5.8	525	236	20000	2.9						
2.6	1260	538	18700	1.25	R	87R57	DRS	71S4	86	314
2.9	1100	472	19400	1.40	RF	87R57	DRS	71S4	93	314
3.4	920	400	20000	1.65	RM	87R57	DRS	71S4	125	314
3.8	830	361	20000	1.85						

P_m = 0.37 kW										
n_a 1/min	M_a Nm	i	F_{Ra}¹⁾ N	SEW f_B					m kg	
3.7	860	373	9520	0.95						
4.2	755	327	10500	1.10						
4.8	670	289	11100	1.20						
5.3	600	260	11600	1.35	R	77R37	DRS	71S4	49	314
6.2	505	224	12000	1.60	RF	77R37	DRS	71S4	55	314
7.0	445	197	12300	1.85	RM	77R37	DRS	71S4	80	314
8.2	385	169	12500	2.1						
9.3	340	149	12700	2.4						
4.7	665	294	4670	0.90	R	67R37	DRS	71S4	43	314
5.3	600	261	7550	1.00	RF	67R37	DRS	71S4	47	314
5.9	535	234	8220	1.10	RM	67R37	DRS	71S4	62	314
6.9	455	200	8930	1.30						
3.1	1130	289.74	28100	2.6	R	97	DRS	71M6	110	304
3.5	990	255.71	28200	3.0	RF	97	DRS	71M6	125	305
3.8	940	241.25	28300	3.2	RM	97	DRS	71M6	175	305
4.2	840	216.28	28400	3.6						
3.7	960	246.54	20000	1.60						
4.2	840	216.54	20000	1.85	R	87	DRS	71M6	67	301
4.4	800	205.71	20000	1.95	RF	87	DRS	71M6	74	302
5.0	705	181.77	20000	2.2	RM	87	DRS	71M6	105	302
5.8	605	155.34	20000	2.6						
6.4	555	142.41	20000	2.8						
5.4	650	166.59	11200	1.25	R	77	DRS	71M6	41	298
6.2	565	145.67	11700	1.45	RF	77	DRS	71M6	46	299
6.5	540	138.39	11900	1.50	RM	77	DRS	71M6	71	299
7.1	495	195.24*	12100	1.65						
8.3	425	166.59	12400	1.90						
9.5	370	145.67	12600	2.2	R	77	DRS	71S4	39	298
10.0	350	138.39	12600	2.3	RF	77	DRS	71S4	45	299
11	310	121.42	12800	2.6	RM	77	DRS	71S4	70	299
13	260	102.99	12900	3.1						
15	235	92.97	12900	3.4						
5.7	615	158.14	7350	0.95	R	67	DRS	71M6	34	295
6.6	535	137.67	8240	1.10	RF	67	DRS	71M6	37	296
7.0	500	128.97	8550	1.20	RM	67	DRS	71M6	52	296
7.9	440	113.94	9030	1.35						
6.9	510	199.81	8480	1.15						
7.5	470	184.07	8820	1.25						
8.7	400	158.14	9300	1.50						
10	350	137.67	9620	1.70						
11	330	128.97	9740	1.80						
12	290	113.94	9920	2.1	R	67	DRS	71S4	32	295
13	270	105.83	10000	2.2	RF	67	DRS	71S4	35	296
14	245	95.91	10100	2.4	RM	67	DRS	71S4	51	296
16	220	86.11	10200	2.7						
19	190	74.17	10300	3.2						
20	179	69.75	10300	3.4						
23	157	61.26	10400	3.8						
24	146	56.89	10400	4.1						
7.0	500	128.77	6610	0.90	R	57	DRS	71M6	27	292
7.5	470	120.63	7010	0.95	RF	57	DRS	71M6	30	293
8.5	415	106.58	7250	1.10	RM	57	DRS	71M6	42	293
9.1	385	98.99	7360	1.15						

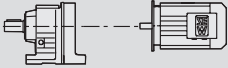

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Helical gearmotors

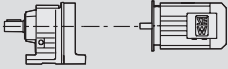

R..DRN.. selection tables in kW

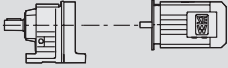

P_m = 0.37 kW										
n_a 1/min	M_a Nm	i	F_{Ra}¹⁾ N	SEW f_B					m kg	
7.4	475	186.89	6980	0.95						
8.0	440	172.17	7140	1.00						
9.3	375	147.92	7380	1.20						
11	325	128.77	7540	1.35						
11	305	120.63	7610	1.45						
13	270	106.58	7700	1.65						
14	250	98.99	7740	1.80	R	57	DRS	71S4	26	292
15	225	89.71	7800	1.95	RF	57	DRS	71S4	29	293
17	205	80.55	7840	2.2	RM	57	DRS	71S4	41	293
20	177	69.23	7890	2.5						
21	166	64.85	7910	2.7						
24	147	57.29	7760	3.1						
26	136	53.22	7600	3.3						
29	124	48.23	7380	3.6						
9.9	355	139.99	3490	0.85						
11	310	121.87	5350	0.95						
12	290	114.17	5460	1.05						
14	255	100.86	5620	1.15						
15	235	93.68	5700	1.25						
16	215	84.90	5790	1.40						
18	195	76.23	5870	1.55						
20	176	68.54	5930	1.70	R	47	DRS	71S4	20	289
21	164	64.21	5960	1.80	RF	47	DRS	71S4	20	290
24	145	56.73	6010	2.1						
26	135	52.69	5990	2.2						
29	122	47.75	5820	2.4						
32	110	42.87	5650	2.7						
37	94	36.93	5410	3.2						
40	89	34.73	5310	3.4						
41	86	33.79	5270	2.8						
44	80	31.12	5140	2.8	R	47	DRS	71S4	20	289
52	68	26.74	4920	4.4	RF	47	DRS	71S4	20	290
59	60	23.28	4720	5.0						
63	56	21.81	4620	5.4						
15	230	90.77	4250	0.85	R	37	DRS	71S4	17	286
16	215	84.61	4720	0.90	RF	37	DRS	71S4	18	287
19	189	73.96	5070	1.05						
20	178	69.33	5210	1.15						
23	157	61.18	5410	1.30						
25	143	55.76	5530	1.40						
29	123	48.08	5580	1.60						
31	115	44.81	5480	1.75	R	37	DRS	71S4	17	286
35	100	39.17	5280	2.00	RF	37	DRS	71S4	18	287
38	94	36.72	5190	2.1						
43	83	32.40	5010	2.4						
48	74	28.73	4850	2.7						
57	62	24.42	4620	3.2						
49	72	28.32	4830	2.8						
53	67	26.03	4710	2.8	R	37	DRS	71S4	17	286
62	57	22.27	4500	3.5	RF	37	DRS	71S4	18	287
71	49	19.31	4320	4.0						
76	46	18.05	4230	4.3						
88	40	15.60	4050	5.0	R	37	DRS	71S4	17	286
104	34	13.25	3850	5.6	RF	37	DRS	71S4	18	287
117	30	11.83	3720	6.0						
23	157	61.30	3870	0.85						
25	143	55.87	3800	0.90						
29	123	48.17	3680	1.05						
31	115	44.90	3620	1.15	R	27	DRS	71S4	11	283
35	100	39.25	3510	1.30	RF	27	DRS	71S4	11	284
38	94	36.79	3460	1.40						
42	83	32.47	3350	1.55						
48	74	28.78	3250	1.75						
56	63	24.47	3110	2.1						

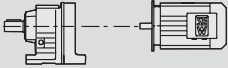

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P_m = 0.37 kW										
n _a 1/min	M _a Nm	i	F _{Ra} ¹⁾ N	SEW f _B					m kg	
49	73	28.37	3240	1.80						
53	67	26.09	3170	1.95						
62	57	22.32	3040	2.3						
71	50	19.35	2920	2.6	R	27	DRS	71S4	11	283
76	46	18.08	2860	2.8	RF	27	DRS	71S4	11	284
88	40	15.63	2750	3.2						
104	34	13.28*	2620	3.8						
36	99	38.61	770	0.85						
38	93	36.20	1260	0.90						
43	82	31.94	1910	1.05	R	17	DRS	71S4	10	280
49	72	28.32	1880	1.15	RF	17	DRS	71S4	10.0	281
57	62	24.07	1830	1.40						
55	65	25.23	1840	1.30						
60	59	23.15	1820	1.45						
70	50	19.71	1760	1.70						
81	44	16.99	1710	1.95						
87	40	15.84	1680	2.1						
100	35	13.84	1630	2.4						
106	33	12.98	1610	2.6						
121	29	11.45	1560	2.8	R	17	DRS	71S4	9.8	280
136	26	10.15	1520	3.0	RF	17	DRS	71S4	9.7	281
160	22	8.63	1460	3.3						
183	19	7.55	1370	2.9						
196	18	7.04	1350	3.1						
224	16	6.15	1300	3.4						
239	15	5.76	1280	3.6						
271	13	5.09	1240	3.9						
306	12	4.51	1200	4.2						
360	9.8	3.83	1140	4.6						
75	47	18.31	1000	1.05						
82	43	16.73	980	1.15						
98	36	14.12	960	1.40						
114	31	12.06	940	1.60						
123	29	11.18	930	1.75						
143	25	9.67	900	2.0						
153	23	9.01	890	2.2						
176	20	7.85	860	2.4	R	07	DRS	71S4	8.8	277
185	19	7.48	860	2.2	RF	07	DRS	71S4	8.8	278
202	18	6.83	840	2.5						
239	15	5.76	810	2.7						
280	13	4.92	780	2.9						
302	12	4.57	765	3.1						
350	10	3.95	735	3.4						
375	9.4	3.68	720	3.5						
430	8.2	3.21	695	3.8						
274	13	9.67	780	3.9						
294	12	9.01	765	4.2						
337	10	7.85	740	4.7						
354	10	7.48	730	4.3						
388	9.1	6.83	715	4.7						
460	7.7	5.76	680	5.2	R	07	DR	63L2	7.0	277
538	6.6	4.92	650	5.6	RF	07	DR	63L2	7.0	278
580	6.1	4.57	640	5.9						
671	5.3	3.95	610	6.4						
720	4.9	3.68	600	6.7						
826	4.3	3.21	575	7.2						
175	20	5.18	4560	3.7						
200	18	4.53	4370	4.6	RX	67	DRS	71M6	20	267
210	17	4.30*	4300	4.8	RXF	67	DRS	71M6	24	268
240	15	3.77	4130	5.9						

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P_m = 0.37 kW										
n _a 1/min	M _a Nm	i	F _{Ra} ¹⁾ N	SEW f _B					m kg	
227	16	6.07	4200	2.8						
267	13	5.18	3990	5.6						
305	12	4.53	3820	7.1						
321	11	4.30*	3760	7.3						
366	9.7	3.77	3600	9.0	RX	67	DRS	71S4	19	267
431	8.2	3.20*	3420	12	RXF	67	DRS	71S4	23	268
478	7.4	2.89	3310	14						
543	6.5	2.54	3170	18						
575	6.1	2.40*	3110	20						
675	5.2	2.04	2950	26						
208	17	4.35	3490	4.0	RX	57	DRS	71M6	17	265
239	15	3.79	3340	4.7	RXF	57	DRS	71M6	19	266
255	14	3.55*	3280	5.0						
251	14	5.50*	3300	2.8						
272	13	5.07	3210	2.8						
317	11	4.35	3060	6.1						
364	9.7	3.79	2930	7.1						
389	9.1	3.55*	2870	7.6						
440	8.0	3.14	2760	8.1	RX	57	DRS	71S4	16	265
474	7.5	2.91	2690	8.9	RXF	57	DRS	71S4	18	266
523	6.8	2.64*	2610	10						
582	6.1	2.37	2520	11						
676	5.2	2.04	2400	13						
719	4.9	1.92*	2350	14						
835	4.2	1.65	2240	16						

P_m = 0.55 kW										
n _a 1/min	M _a Nm	i	F _{Ra} ¹⁾ N	SEW f _B					m kg	
0.22	19800	6077	120000	0.90	R	167R97	DRS	71M4	760	315
0.25	17600	5407	120000	1.00	RF	167R97	DRS	71M4	760	315
0.29	15000	4650	120000	1.20	RM	167R97	DRS	71M4	960	315
0.33	13100	4129	120000	1.35						
0.28	16800	4926	22000	0.75						
0.31	14700	4325	53800	0.90	R	147R77	DRS	71M4	425	314
0.36	12800	3754	62900	1.00	RF	147R77	DRS	71M4	430	314
0.41	11200	3302	65900	1.15	RM	147R77	DRS	71M4	600	314
0.47	9830	2898	68000	1.30						
0.53	8890	2555	69300	1.45						
0.62	7690	2211	70600	1.70						
0.70	6790	1951	71500	1.90	R	147R77	DRS	71M4	425	314
0.80	5810	1705	72400	2.2	RF	147R77	DRS	71M4	430	314
0.89	5200	1536	72800	2.5	RM	147R77	DRS	71M4	600	314
1.0	4500	1329	73300	2.9						
1.2	3920	1166	73600	3.3						
0.55	8640	2484	51200	0.90	R	137R77	DRS	71M4	280	314
					RF	137R77	DRS	71M4	305	314
					RM	137R77	DRS	71M4	415	314
0.51	9250	2658	45300	0.85						
0.56	8390	2412	52300	0.95						
0.66	7210	2073	55000	1.10						
0.74	6310	1839	56500	1.25						
0.85	5410	1598	57900	1.50	R	137R77	DRS	71M4	290	314
0.97	4840	1397	58600	1.65	RF	137R77	DRS	71M4	315	314
1.1	4220	1226	59300	1.90	RM	137R77	DRS	71M4	425	314
1.2	3770	1090	59700	2.1						
1.4	3290	951	60100	2.4						
1.6	2810	831	60500	2.8						

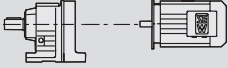

P_m = 0.55 kW										
n_a 1/min	M_a Nm	i	F_{Ra}¹⁾ N	SEW f_B					m kg	
0.97	4820	1407	21900	0.90						
1.1	4150	1209	30200	1.05						
1.3	3620	1055	32700	1.20	R	107R77	DRS	71M4	200	314
1.5	3160	919	34400	1.35	RF	107R77	DRS	71M4	205	314
1.7	2820	815	35500	1.50	RM	107R77	DRS	71M4	295	314
1.9	2460	717	36200	1.75						
2.2	2150	626	36600	2.0						
0.97	4800	1400	22800	0.90						
1.1	4170	1226	30100	1.05	R	107R77	DRS	71M4	205	314
1.2	3740	1104	32200	1.15	RF	107R77	DRS	71M4	210	314
1.4	3220	939	34200	1.35	RM	107R77	DRS	71M4	300	314
1.7	2800	822	35600	1.55						
1.6	2870	824	21800	1.05						
1.8	2560	737	23700	1.15						
2.2	2200	632	25500	1.35						
2.4	1910	560	26700	1.55	R	97R57	DRS	71M4	130	314
2.8	1660	484	27400	1.80	RF	97R57	DRS	71M4	150	314
3.2	1510	431	27600	2.00	RM	97R57	DRS	71M4	200	314
3.6	1320	379	27900	2.3						
4.0	1170	336	28000	2.6						
4.6	1030	296	28200	2.9						
5.5	850	249	28300	3.5						
2.6	1810	525	13600	0.85						
3.0	1580	456	16700	1.00	R	87R57	DRS	71M4	89	314
3.4	1360	398	18100	1.15	RF	87R57	DRS	71M4	96	314
3.9	1210	352	18900	1.30	RM	87R57	DRS	71M4	125	314
4.4	1040	305	19700	1.50						
2.9	1680	472	15900	0.90	R	87R57	DRS	71M4	87	314
3.4	1420	400	17800	1.10	RF	87R57	DRS	71M4	95	314
3.8	1280	361	18600	1.20	RM	87R57	DRS	71M4	125	314
4.9	980	276	4510	0.85	R	77R37	DRS	71M4	49	314
5.8	840	236	9730	1.00	RF	77R37	DRS	71M4	55	314
6.2	785	221	10200	1.05	RM	77R37	DRS	71M4	80	314
7.3	655	186	11200	1.25						
3.2	1660	289.74	27400	1.80	R	97	DRS	80S6	110	304
3.6	1460	255.71	27700	2.0	RF	97	DRS	80S6	130	305
3.8	1380	241.25	27800	2.2	RM	97	DRS	80S6	180	305
4.2	1240	216.28	28000	2.4						
4.7	1110	289.74	28100	2.7	R	97	DRS	71M4	110	304
5.3	980	255.71	28200	3.0	RF	97	DRS	71M4	125	305
5.6	930	241.25	28300	3.2	RM	97	DRS	71M4	175	305
6.3	830	216.28	28400	3.6						
3.7	1410	246.54	17800	1.10						
4.2	1240	216.54	18800	1.25	R	87	DRS	80S6	69	301
4.4	1180	205.71	19100	1.30	RF	87	DRS	80S6	76	302
5.0	1040	181.77	19700	1.50	RM	87	DRS	80S6	105	302
5.9	890	155.34	20000	1.75						
5.5	950	246.54	20000	1.65						
6.3	830	216.54	20000	1.85						
6.6	790	205.71	20000	1.95						
7.5	700	181.77	20000	2.2	R	87	DRS	71M4	67	301
8.8	595	155.34	20000	2.6	RF	87	DRS	71M4	74	302
9.6	545	142.41	20000	2.8	RM	87	DRS	71M4	105	302
11	480	124.97	20000	3.2						
11	455	118.43*	20000	3.4						
13	400	103.65	20000	3.9						
8.2	640	166.59	11300	1.25						
9.3	560	145.67	11800	1.45						
9.8	530	138.39	11900	1.55						
11	465	121.42	12200	1.75	R	77	DRS	71M4	41	298
13	395	102.99	12500	2.1	RF	77	DRS	71M4	46	299
15	355	92.97	12600	2.3	RM	77	DRS	71M4	71	299
17	315	81.80	12800	2.6						
18	295	77.24	12800	2.8						
21	250	65.77	12900	3.2						

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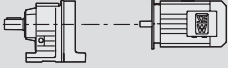

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Helical gearmotors

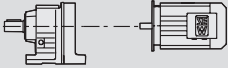

R..DRN.. selection tables in kW

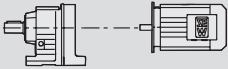

P_m = 0.55 kW										
n_a 1/min	M_a Nm	i	F_{Ra}¹⁾ N	SEW f_B					m kg	
8.6	610	158.14	7430	1.00						
9.9	530	137.67	8290	1.15						
11	495	128.97	8600	1.20						
12	440	113.94	9060	1.35						
13	405	105.83	9280	1.45	R	67	DRS	71M4	34	295
14	370	95.91	9520	1.60	RF	67	DRS	71M4	37	296
16	330	86.11	9730	1.80	RM	67	DRS	71M4	52	296
18	285	74.17	9940	2.1						
20	265	69.75	10000	2.2						
22	235	61.26	10100	2.5						
24	215	56.89	10200	2.7						
11	465	120.63	7030	0.95						
13	410	106.58	7260	1.10						
14	380	98.99	7370	1.20						
15	345	89.71	7490	1.30						
17	310	80.55	7600	1.45						
20	265	69.23	7710	1.70	R	57	DRS	71M4	27	292
21	250	64.85	7750	1.80	RF	57	DRS	71M4	30	293
24	220	57.29	7530	2.0	RM	57	DRS	71M4	42	293
26	205	53.22	7380	2.2						
28	186	48.23	7190	2.4						
31	167	43.30	6980	2.7						
36	144	37.30*	6700	3.1						
39	135	35.07	6580	3.3						
52	102	26.31	6060	4.4	R	57	DRS	71M4	26	292
54	97	24.99*	5970	4.7	RF	57	DRS	71M4	29	293
62	85	21.93	5740	5.3	RM	57	DRS	71M4	41	293
73	72	18.60*	5460	6.3						
15	360	93.68	3280	0.85						
16	325	84.90	5230	0.90						
18	290	76.23	5450	1.00						
20	260	68.54	5600	1.15						
21	245	64.21	5670	1.20						
24	215	56.73	5780	1.35	R	47	DRS	71M4	22	289
26	200	52.69	5770	1.45	RF	47	DRS	71M4	22	290
28	184	47.75	5630	1.65						
32	166	42.87	5470	1.80						
37	143	36.93	5260	2.1						
39	134	34.73	5180	2.2						
46	115	29.88	4970	2.6						
51	103	26.74	4820	2.9						
58	90	23.28	4630	3.3	R	47	DRS	71M4	21	289
62	84	21.81	4540	3.6	RF	47	DRS	71M4	21	290
22	235	61.18	3910	0.85						
24	215	55.76	4740	0.95						
28	186	48.08	5120	1.10						
30	173	44.81	5230	1.15	R	37	DRS	71M4	18	286
35	151	39.17	5070	1.30	RF	37	DRS	71M4	19	287
37	142	36.72	4990	1.40						
42	125	32.40	4840	1.60						
47	111	28.73	4700	1.80						
56	94	24.42	4500	2.1						
61	86	22.27	4390	2.3						
70	75	19.31	4220	2.7						
75	70	18.05	4140	2.9	R	37	DRS	71M4	18	286
87	60	15.60	3970	3.3	RF	37	DRS	71M4	19	287
103	51	13.25	3790	3.7						
115	46	11.83	3670	4.0						
35	152	39.25	3280	0.85						
37	142	36.79	3240	0.90						
42	125	32.47	3160	1.05	R	27	DRS	71M4	12	283
47	111	28.78	3080	1.15	RF	27	DRS	71M4	12	284
56	94	24.47	2970	1.40						

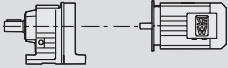

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P_m = 0.55 kW										
n_a 1/min	M_a Nm	i	F_{Ra}¹⁾ N	SEW f_B					m kg	
61	86	22.32	2910	1.50						
70	75	19.35	2810	1.75						
75	70	18.08	2760	1.85						
87	60	15.63	2660	2.2						
102	51	13.28*	2550	2.5						
115	46	11.86	2470	2.8						
134	39	10.13	2370	3.1						
144	36	9.41	2290	3.4	R	27	DRS	71M4	12	283
167	32	8.16	2200	3.7	RF	27	DRS	71M4	12	284
178	29	7.63*	2160	3.8						
206	25	6.59	2070	4.2						
243	22	5.60*	1980	4.6						
272	19	5.00*	1910	4.9						
318	16	4.27	1830	5.3						
340	15	4.00*	1790	5.5						
404	13	3.37	1700	6.1						
52	100	53.76	630	0.85	R	17	DRS	71M2	11	280
59	89	47.44	1530	0.95	RF	17	DRS	71M2	11	281
64	83	44.18	1600	1.05						
73	72	38.61	1580	1.20						
69	76	19.71	1590	1.10						
80	66	16.99	1560	1.30						
86	61	15.84	1540	1.40						
98	53	13.84	1510	1.60						
105	50	12.98	1500	1.70						
119	44	11.45	1460	1.85						
134	39	10.15	1430	1.95	R	17	DRS	71M4	11	280
158	33	8.63	1380	2.2	RF	17	DRS	71M4	11	281
180	29	7.55	1290	1.90						
193	27	7.04	1270	2.0						
221	24	6.15	1240	2.3						
236	22	5.76	1220	2.4						
267	20	5.09	1180	2.6						
302	17	4.51	1150	2.8						
355	15	3.83	1110	3.0						
326	16	8.63	1160	4.5	R	17	DRS	71M2	11	280
372	14	7.55	1090	4.0	RF	17	DRS	71M2	11	281
399	13	7.04	1070	4.2						
457	12	6.15	1040	4.7						
153	34	18.31	810	1.45						
168	31	16.73	795	1.60						
199	26	14.12	775	1.90						
233	22	12.06	755	2.2						
251	21	11.18	745	2.4						
291	18	9.67	725	2.8						
312	17	9.01	715	3.0						
358	15	7.85	690	3.3	R	07	DRS	71M2	10	277
376	14	7.48	685	3.1	RF	07	DRS	71M2	10	278
411	13	6.83	670	3.4						
487	11	5.76	645	3.7						
571	9.2	4.92	620	4.0						
615	8.5	4.57	605	4.2						
712	7.4	3.95	585	4.6						
764	6.9	3.68	570	4.8						
876	6.0	3.21	550	5.2						
177	30	5.18	4480	2.5	RX	67	DRS	80S6	22	267
202	26	4.53	4300	3.2	RXF	67	DRS	80S6	26	268
213	25	4.30*	4230	3.2						
243	22	3.77	4060	4.0						

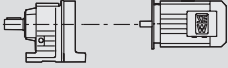

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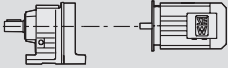

P_m = 0.55 kW										
n _a 1/min	M _a Nm	i	F _{Ra} ¹⁾ N	SEW f _B					m kg	
263	20	5.18	3970	3.8						
300	17	4.53	3800	4.7						
316	17	4.30*	3740	4.8						
360	15	3.77	3590	6.0						
425	12	3.20*	3410	8.1						
471	11	2.89	3300	9.5	RX	67	DRS	71M4	20	267
535	9.8	2.54	3160	12	RXF	67	DRS	71M4	24	268
567	9.3	2.40*	3110	13						
666	7.9	2.04	2950	17						
732	7.2	1.86	2860	18						
845	6.2	1.61	2730	18						
210	25	4.35	3420	2.7						
241	22	3.79	3280	3.2	RX	57	DRS	80S6	20	265
258	20	3.55*	3220	3.4	RXF	57	DRS	80S6	22	266
292	18	3.14	3100	3.6						
314	17	2.91	3030	4.0						
312	17	4.35	3040	4.0						
359	15	3.79	2910	4.7						
383	14	3.55*	2850	5.0						
434	12	3.14	2740	5.4						
467	11	2.91	2680	6.0						
515	10	2.64*	2600	6.8	RX	57	DRS	71M4	17	265
574	9.2	2.37	2510	7.5	RXF	57	DRS	71M4	19	266
666	7.9	2.04	2390	8.8						
708	7.4	1.92*	2340	9.3						
823	6.4	1.65	2230	11						
921	5.7	1.48	2150	12						
1045	5.0	1.30	2070	13						

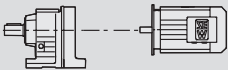

P_m = 0.75 kW										
n _a 1/min	M _a Nm	i	F _{Ra} ¹⁾ N	SEW f _B					m kg	
0.31	19700	4650	120000	0.90	R	167R97	DRN	80M4	760	315
0.35	17300	4129	120000	1.05	RF	167R97	DRN	80M4	770	315
					RM	167R97	DRN	80M4	960	315
0.54	11500	2657	120000	1.55						
0.62	10000	2333	120000	1.80	R	167R97	DRN	80M4	760	315
0.69	8850	2085	120000	2.0	RF	167R97	DRN	80M4	760	315
1.0	6250	1438	120000	2.9	RM	167R97	DRN	80M4	960	315
0.44	14600	3302	54700	0.90	R	147R77	DRN	80M4	430	314
0.50	12800	2898	63000	1.00	RF	147R77	DRN	80M4	435	314
					RM	147R77	DRN	80M4	600	314
0.56	11500	2555	65300	1.10						
0.65	10000	2211	67800	1.30						
0.74	8830	1951	69300	1.45	R	147R77	DRN	80M4	430	314
0.84	7590	1705	70700	1.70	RF	147R77	DRN	80M4	435	314
0.94	6810	1536	71500	1.90	RM	147R77	DRN	80M4	600	314
1.1	5890	1329	72300	2.2						
1.2	5130	1166	72900	2.5						
0.77	8340	1863	52500	0.95	R	137R77	DRN	80M4	285	314
0.91	7060	1586	55300	1.15	RF	137R77	DRN	80M4	310	314
1.0	6290	1391	56600	1.25	RM	137R77	DRN	80M4	420	314
1.2	5660	1256	57500	1.40						
0.69	9380	2073	43000	0.85						
0.78	8230	1839	52900	0.95						
0.90	7080	1598	55200	1.15						
1.0	6300	1397	56600	1.25	R	137R77	DRN	80M4	295	314
1.2	5500	1226	57800	1.45	RF	137R77	DRN	80M4	320	314
1.3	4910	1090	58500	1.65	RM	137R77	DRN	80M4	430	314
1.5	4290	951	59200	1.85						
1.7	3680	831	59800	2.2						
2.0	3210	730	60200	2.5						

P_m = 0.75 kW										
n_a 1/min	M_a Nm	i	F_{Ra}¹⁾ N	SEW f_B					m kg	
1.4	4720	1055	25800	0.90	R	107R77	DRN	80M4	205	314
1.6	4120	919	30400	1.05	RF	107R77	DRN	80M4	210	314
1.8	3670	815	32500	1.15	RM	107R77	DRN	80M4	300	314
1.5	4200	939	30000	1.00	R	107R77	DRN	80M4	210	314
1.8	3650	822	32500	1.20	RF	107R77	DRN	80M4	215	314
3.9	1630	369	37100	2.6	RM	107R77	DRN	80M4	305	314
4.4	1420	323	37300	3.0						
2.3	2860	632	21900	1.05						
2.6	2500	560	24100	1.20						
3.0	2170	484	25700	1.40						
3.3	1960	431	26500	1.55	R	97R57	DRN	80M4	135	314
3.8	1710	379	27300	1.75	RF	97R57	DRN	80M4	155	314
4.3	1520	336	27600	1.95	RM	97R57	DRN	80M4	205	314
4.9	1340	296	27900	2.2						
5.8	1110	249	28100	2.7						
3.6	1780	398	15100	0.85	R	87R57	DRN	80M4	94	314
4.1	1580	352	16700	1.00	RF	87R57	DRN	80M4	100	314
4.7	1360	305	18100	1.15	RM	87R57	DRN	80M4	130	314
5.4	1200	268	18900	1.30						
6.1	1060	236	19600	1.45						
4.0	1660	361	16100	0.95	R	87R57	DRN	80M4	92	314
4.8	1370	300	18100	1.15	RF	87R57	DRN	80M4	100	314
5.6	1160	256	19100	1.35	RM	87R57	DRN	80M4	130	314
5.0	1440	289.74	27700	2.1						
5.6	1270	255.71	27900	2.4	R	97	DRN	80M4	115	304
6.0	1190	241.25	28000	2.5	RF	97	DRN	80M4	130	305
6.7	1070	216.28	28200	2.8	RM	97	DRN	80M4	180	305
7.7	920	186.30	28300	3.2						
8.5	840	170.02	28400	3.6						
5.8	1220	246.54	18800	1.25						
6.6	1070	216.54	19500	1.45						
7.0	1020	205.71	19700	1.50						
7.9	900	181.77	20000	1.70	R	87	DRN	80M4	72	301
9.3	770	155.34	20000	2.0	RF	87	DRN	80M4	79	302
10	705	142.41	20000	2.2	RM	87	DRN	80M4	110	302
12	620	124.97	20000	2.5						
12	585	118.43*	20000	2.6						
14	515	103.65	20000	3.0						
15	460	93.38	20000	3.3						
8.6	820	166.59	9840	1.00	R	77	DRN	80M4	46	298
9.9	720	145.67	10700	1.15	RF	77	DRN	80M4	51	299
10	685	138.39	11000	1.20	RM	77	DRN	80M4	76	299
12	600	121.42	11500	1.35						
14	510	102.99	12000	1.60						
15	460	92.97	12200	1.75						
18	405	81.80	12500	2.0	R	77	DRN	80M4	46	298
19	380	77.24	12500	2.1	RF	77	DRN	80M4	51	299
22	325	65.77	12700	2.5	RM	77	DRN	80M4	76	299
25	285	57.68	12800	2.9						
28	255	52.07	12900	3.2						
31	225	45.81	13000	3.6						
33	215	43.26	13000	3.8						
11	640	128.97	7030	0.95						
13	565	113.94	7940	1.05						
14	525	105.83	8340	1.15						
15	475	95.91	8780	1.25						
17	425	86.11	9150	1.40	R	67	DRN	80M4	38	295
19	365	74.17	9530	1.65	RF	67	DRN	80M4	41	296
21	345	69.75	9650	1.75	RM	67	DRN	80M4	57	296
24	300	61.26	9860	1.95						
25	280	56.89	9960	2.1						
28	255	51.56	10100	2.3						
31	230	46.29	10200	2.6						

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P_m = 0.75 kW										
n _a 1/min	M _a Nm	i	F _{Ra} ¹⁾ N	SEW f _B					m kg	
14	530	106.58	5570	0.85						
15	490	98.99	6910	0.90						
16	445	89.71	7120	1.00	R	57	DRN	80M4	32	292
18	400	80.55	7300	1.10	RF	57	DRN	80M4	35	293
21	340	69.23	7460	1.30	RM	57	DRN	80M4	47	293
22	320	64.85	7360	1.40						
25	280	57.29	7150	1.60						
27	260	53.22	7020	1.70						
30	235	48.23	6850	1.90						
33	215	43.30	6670	2.1	R	57	DRN	80M4	32	292
39	186	37.30*	6410	2.4	RF	57	DRN	80M4	35	293
41	174	35.07	6310	2.6	RM	57	DRN	80M4	47	293
48	150	30.18	6060	3.0						
53	134	26.97	5870	3.4						
55	131	26.31	5830	3.4	R	57	DRN	80M4	31	292
58	124	24.99*	5750	3.6	RF	57	DRN	80M4	34	293
66	109	21.93	5540	4.1	RM	57	DRN	80M4	46	293
77	93	18.60*	5280	4.9						
21	340	68.54	4530	0.90	R	47	DRN	80M4	26	289
22	315	64.21	5310	0.95	RF	47	DRN	80M4	27	290
25	280	56.73	5510	1.05						
27	260	52.69	5430	1.15						
30	235	47.75	5320	1.25						
34	210	42.87	5180	1.40						
39	184	36.93	5000	1.65	R	47	DRN	80M4	26	289
41	173	34.73	4930	1.75	RF	47	DRN	80M4	27	290
48	149	29.88	4740	2.0						
54	133	26.70	4610	2.3						
61	117	23.59	4460	2.6						
54	133	26.74	4610	2.3						
62	116	23.28	4440	2.6						
66	108	21.81	4360	2.8	R	47	DRN	80M4	26	289
75	96	19.27	4220	3.1	RF	47	DRN	80M4	26	290
80	89	17.89	4130	3.3						
89	81	16.22	4020	3.4						
30	235	48.08	3630	0.85	R	37	DRN	80M4	23	286
32	220	44.81	4490	0.90	RF	37	DRN	80M4	24	287
37	195	39.17	4760	1.05						
39	183	36.72	4690	1.10						
44	161	32.40	4570	1.25	R	37	DRN	80M4	23	286
50	143	28.73	4440	1.40	RF	37	DRN	80M4	24	287
59	121	24.42	4280	1.65						
65	111	22.27	4180	1.80						
75	96	19.31	4030	2.1						
80	90	18.05	3960	2.2						
92	78	15.60	3810	2.6	R	37	DRN	80M4	22	286
109	66	13.25	3640	2.9	RF	37	DRN	80M4	24	287
122	59	11.83	3530	3.1						
142	50	10.11	3380	3.4						
152	47	9.47	3310	3.6						
50	143	28.78	2860	0.90	R	27	DRN	80M4	17	283
59	122	24.47	2770	1.05	RF	27	DRN	80M4	17	284
65	111	22.32	2720	1.15						
74	96	19.35	2640	1.35						
80	90	18.08	2610	1.45						
92	78	15.63	2520	1.65						
108	66	13.28*	2430	1.95						
121	59	11.86	2360	2.2	R	27	DRN	80M4	16	283
142	50	10.13	2260	2.4	RF	27	DRN	80M4	16	284
153	47	9.41	2180	2.6						
177	41	8.16	2110	2.9						
189	38	7.63*	2070	3.0						
218	33	6.59	1990	3.2						
257	28	5.60*	1900	3.6						
288	25	5.00*	1840	3.8						

P_m = 0.75 kW										
n _a 1/min	M _a Nm	i	F _{Ra} ¹⁾ N	SEW f _B					m kg	
73	98	19.71	840	0.85						
85	84	16.99	1380	1.00						
91	79	15.84	1380	1.10						
104	69	13.84	1370	1.25						
111	65	12.98	1360	1.30						
126	57	11.45	1340	1.40						
142	50	10.15	1320	1.55						
167	43	8.63	1280	1.70	R	17	DRN	80M4	16	280
191	38	7.55	1190	1.50	RF	17	DRN	80M4	15	281
205	35	7.04	1180	1.55						
234	31	6.15	1150	1.75						
250	29	5.76	1140	1.85						
283	25	5.09	1110	2.0						
319	22	4.51	1080	2.1						
376	19	3.83	1040	2.4						
278	26	5.18	3850	2.9						
318	23	4.53	3700	3.6						
335	21	4.30*	3640	3.7						
382	19	3.77	3490	4.6						
450	16	3.20*	3320	6.3	RX	67	DRN	80M4	25	267
498	14	2.89	3210	7.4	RXF	67	DRN	80M4	29	268
567	13	2.54	3080	9.3						
600	12	2.40*	3030	10						
705	10	2.04	2880	13						
775	9.2	1.86	2790	14						
895	8.0	1.61	2660	14						
331	22	4.35	2940	3.1						
380	19	3.79	2820	3.7						
406	18	3.55*	2760	3.9						
459	16	3.14	2660	4.2						
494	14	2.91	2600	4.6						
545	13	2.64*	2520	5.3	RX	57	DRN	80M4	22	265
608	12	2.37	2440	5.8	RXF	57	DRN	80M4	24	266
705	10	2.04	2330	6.8						
750	9.6	1.92*	2280	7.2						
872	8.2	1.65	2180	8.4						
975	7.3	1.48	2100	9.3						
1105	6.5	1.30	2020	9.7						

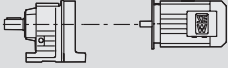

P_m = 1.1 kW										
n _a 1/min	M _a Nm	i	F _{Ra} ¹⁾ N	SEW f _B					m kg	
0.55	17100	2657	120000	1.05						
0.62	14900	2333	120000	1.20						
0.70	13200	2085	120000	1.35						
0.78	11800	1877	120000	1.50	R	167R97	DRN	90S4	760	315
0.87	10500	1670	120000	1.70	RF	167R97	DRN	90S4	770	315
1.0	9290	1438	120000	1.95	RM	167R97	DRN	90S4	960	315
1.1	8270	1279	120000	2.2						
1.3	7200	1123	120000	2.5						
0.66	14600	2211	54200	0.90						
0.75	12900	1951	62700	1.00						
0.85	11100	1705	65900	1.15						
0.95	10000	1536	67700	1.30						
1.1	8700	1329	69500	1.50	R	147R77	DRN	90S4	435	314
1.2	7600	1166	70700	1.70	RF	147R77	DRN	90S4	440	314
1.4	6670	1029	71600	1.95	RM	147R77	DRN	90S4	610	314
1.6	5790	889	72400	2.2						
1.9	5080	784	72900	2.6						
2.1	4490	695	73300	2.9						
1.0	9230	1391	45500	0.85						
1.2	8320	1256	52600	0.95	R	137R77	DRN	90S4	290	314
1.3	7290	1105	54800	1.10	RF	137R77	DRN	90S4	315	314
1.4	6870	1043	55600	1.15	RM	137R77	DRN	90S4	425	314
1.6	5830	888	57300	1.35						

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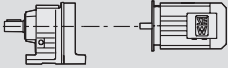

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Helical gearmotors

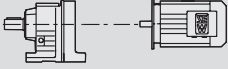

R..DRN.. selection tables in kW

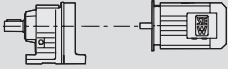

P_m = 1.1 kW										
n_a 1/min	M_a Nm	i	F_{Ra}¹⁾ N	SEW f_B					m kg	
1.0	9250	1397	45200	0.85						
1.2	8090	1226	53200	1.00						
1.3	7210	1090	55000	1.10						
1.5	6300	951	56600	1.25	R	137R77	DRN	90S4	300	314
1.8	5440	831	57800	1.45	RF	137R77	DRN	90S4	325	314
2.0	4750	730	58700	1.70	RM	137R77	DRN	90S4	435	314
2.3	4060	629	59400	1.95						
2.6	3670	560	59800	2.2						
3.0	3160	490	60200	2.5						
2.0	4730	717	25600	0.90	R	107R77	DRN	90S4	210	314
					RF	107R77	DRN	90S4	215	314
					RM	107R77	DRN	90S4	305	314
2.4	3980	614	31100	1.10						
2.7	3510	544	33100	1.20						
3.0	3180	492	34300	1.35	R	107R77	DRN	90S4	215	314
3.5	2690	417	35900	1.60	RF	107R77	DRN	90S4	220	314
4.0	2410	369	36300	1.80	RM	107R77	DRN	90S4	310	314
4.5	2100	323	36700	2.0						
5.1	1850	285	36900	2.3						
5.8	1630	253	37100	2.6						
3.4	2870	431	21800	1.05						
3.8	2510	379	24000	1.20	R	97R57	DRN	90S4	140	314
4.3	2240	336	25400	1.35	RF	97R57	DRN	90S4	160	314
4.9	1960	296	26500	1.55	RM	97R57	DRN	90S4	210	314
5.8	1640	249	27400	1.80						
6.2	1530	234	27600	1.95						
7.0	1360	209	27800	2.2						
5.4	1770	268	15200	0.90	R	87R57	DRN	90S4	100	314
6.2	1560	236	16800	1.00	RF	87R57	DRN	90S4	105	314
7.0	1360	209	18100	1.15	RM	87R57	DRN	90S4	135	314
5.7	1710	256	15700	0.90	R	87R57	DRN	90S4	99	314
6.3	1550	232	16900	1.00	RF	87R57	DRN	90S4	105	314
7.5	1310	195	18400	1.20	RM	87R57	DRN	90S4	135	314
5.7	1840	255.71	27000	1.65						
6.0	1740	241.25	27300	1.70						
6.7	1560	216.28	27600	1.90	R	97	DRN	90S4	120	304
7.8	1340	186.30	27900	2.2	RF	97	DRN	90S4	135	305
8.6	1220	170.02	28000	2.4	RM	97	DRN	90S4	185	305
9.6	1080	150.78	28100	2.8						
11	910	126.75	28300	3.3						
12	840	116.48	28400	3.6						
6.7	1560	216.54	16800	1.00	R	87	DRN	90S4	77	301
7.1	1480	205.71	17400	1.05	RF	87	DRN	90S4	84	302
8.0	1310	181.77	18400	1.20	RM	87	DRN	90S4	115	302
9.4	1120	155.34	19300	1.40						
10	1020	142.41	19700	1.50						
12	900	124.97	20000	1.70						
12	850	118.43*	20000	1.80						
14	745	103.65	20000	2.1	R	87	DRN	90S4	77	301
16	670	93.38	20000	2.3	RF	87	DRN	90S4	84	302
18	590	81.92	20000	2.6	RM	87	DRN	90S4	115	302
20	520	72.57	20000	3.0						
23	455	63.68*	20000	3.4						
24	435	60.35*	20000	3.6						
28	380	52.82	20000	4.1						
12	870	121.42	9360	0.95	R	77	DRN	90S4	50	298
14	740	102.99	10600	1.10	RF	77	DRN	90S4	56	299
16	670	92.97	11100	1.20	RM	77	DRN	90S4	81	299

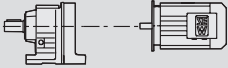

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P_m = 1.1 kW										
n_a 1/min	M_a Nm	i	F_{Ra}¹⁾ N	SEW f_B					m kg	
18	590	81.80	11600	1.40						
19	555	77.24	11800	1.45						
22	470	65.77	12200	1.75						
25	415	57.68	12400	1.95	R	77	DRN	90S4	50	298
28	375	52.07	12600	2.2	RF	77	DRN	90S4	56	299
32	330	45.81	12700	2.5	RM	77	DRN	90S4	81	299
34	310	43.26	12800	2.6						
40	265	36.83	12900	3.1						
43	240	33.47	12900	3.4						
17	620	86.11	7290	0.95						
20	535	74.17	8260	1.10						
21	500	69.75	8550	1.20						
24	440	61.26	9050	1.35						
26	410	56.89	9270	1.45	R	67	DRN	90S4	45	295
28	370	51.56	9510	1.60	RF	67	DRN	90S4	48	296
31	330	46.29	9720	1.80	RM	67	DRN	90S4	64	296
36	285	39.88*	9940	2.0						
39	270	37.50	10000	2.1						
45	230	32.27	10200	2.3						
50	205	28.83	10200	2.5						
52	200	28.13	10100	2.7	R	67	DRN	90S4	44	295
54	193	26.72	10000	2.8	RF	67	DRN	90S4	47	296
62	169	23.44	9620	3.3	RM	67	DRN	90S4	63	296
73	144	19.89	9160	4.2						
21	495	69.23	6720	0.90	R	57	DRN	90S4	38	292
22	465	64.85	6800	0.95	RF	57	DRN	90S4	41	293
25	410	57.29	6660	1.10	RM	57	DRN	90S4	53	293
27	380	53.22	6560	1.15						
30	345	48.23	6440	1.30						
34	310	43.30	6290	1.45	R	57	DRN	90S4	38	292
39	265	37.30*	6090	1.65	RF	57	DRN	90S4	41	293
41	250	35.07	6000	1.80	RM	57	DRN	90S4	53	293
48	215	30.18	5790	2.1						
54	195	26.97	5630	2.3						
55	190	26.31	5600	2.4						
58	180	24.99*	5530	2.5	R	57	DRN	90S4	37	292
66	158	21.93	5340	2.8	RF	57	DRN	90S4	40	293
78	134	18.60*	5110	3.4	RM	57	DRN	90S4	52	293
87	121	16.79	4970	3.7						
30	340	47.75	4310	0.85						
34	305	42.87	4810	0.95						
39	265	36.93	4680	1.15	R	47	DRN	90S4	33	289
42	250	34.73	4620	1.20	RF	47	DRN	90S4	33	290
49	215	29.88	4480	1.40						
54	193	26.70	4370	1.55						
62	170	23.59	4250	1.75						
62	168	23.28	4240	1.80						
67	157	21.81	4170	1.90						
76	139	19.27	4040	2.1						
81	129	17.89	3970	2.2						
90	117	16.22	3870	2.4	R	47	DRN	90S4	32	289
100	105	14.56	3760	2.5	RF	47	DRN	90S4	32	290
116	91	12.54	3620	2.8						
123	85	11.79	3550	2.9						
143	73	10.15	3410	3.1						
160	65	9.07	3300	3.4						
45	230	32.40	3040	0.85	R	37	DRN	90S4	28	286
51	205	28.73	3410	0.95	RF	37	DRN	90S4	30	287
60	176	24.42	3800	1.15						
75	139	19.31	3810	1.45						
81	130	18.05	3750	1.55	R	37	DRN	90S4	28	286
93	113	15.60	3630	1.80	RF	37	DRN	90S4	30	287


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P_m = 1.1 kW										
n _a 1/min	M _a Nm	i	F _{Ra} ¹⁾ N	SEW f _B					m kg	
110	96	13.25	3490	2.00						
123	85	11.83	3390	2.1						
144	73	10.11	3260	2.3						
154	68	9.47	3200	2.4	R	37	DRN	90S4	28	286
182	58	7.97	3060	2.7	RF	37	DRN	90S4	30	287
218	48	6.67	2890	3.0						
257	41	5.67	2760	3.5						
288	37	5.06	2670	3.7						
75	140	19.35	2420	0.95						
80	131	18.08	2400	1.00						
93	113	15.63	2340	1.15						
110	96	13.28*	2270	1.35						
123	86	11.86	2220	1.50						
144	73	10.13	2140	1.65						
155	68	9.41	2060	1.80	R	27	DRN	90S4	22	283
178	59	8.16	1990	1.95	RF	27	DRN	90S4	22	284
191	55	7.63*	1960	2.0						
221	48	6.59	1900	2.2						
260	40	5.60*	1820	2.4						
291	36	5.00*	1770	2.6						
341	31	4.27	1700	2.8						
364	29	4.00*	1670	2.9						
432	24	3.37	1600	3.2						
258	41	5.63	5610	2.7	RX	77	DRN	90S4	41	269
272	39	5.35*	5520	2.7	RXF	77	DRN	90S4	43	270
308	34	4.73	5320	3.6						
321	33	4.53	3620	2.5						
338	31	4.30*	3560	2.6						
386	27	3.77	3430	3.2						
455	23	3.20*	3260	4.3						
504	21	2.89	3160	5.1	RX	67	DRN	90S4	31	267
572	18	2.54	3040	6.4	RXF	67	DRN	90S4	35	268
606	17	2.40*	2980	7.1						
712	15	2.04	2840	9.1						
783	13	1.86	2750	9.4						
904	12	1.61	2630	9.8						
1040	10	1.40*	2510	10						
384	27	3.79	2750	2.5						
410	26	3.55*	2700	2.7						
464	23	3.14	2600	2.9						
499	21	2.91	2540	3.2						
551	19	2.64*	2470	3.6	RX	57	DRN	90S4	29	265
614	17	2.37	2390	4.0	RXF	57	DRN	90S4	30	266
713	15	2.04	2280	4.7						
758	14	1.92*	2240	5.0						
881	12	1.65	2140	5.8						
986	11	1.48	2060	6.4						
1115	9.4	1.30	1990	6.7						

P_m = 1.5 kW										
n _a 1/min	M _a Nm	i	F _{Ra} ¹⁾ N	SEW f _B					m kg	
0.63	20600	2333	120000	0.85						
0.70	18300	2085	120000	1.00						
0.78	16300	1877	120000	1.10						
0.87	14500	1670	120000	1.25	R	167R97	DRN	90L4	760	315
1.0	12700	1438	120000	1.40	RF	167R97	DRN	90L4	770	315
1.1	11300	1279	120000	1.60	RM	167R97	DRN	90L4	970	315
1.3	9930	1123	120000	1.80						
1.5	8840	999	120000	2.0						
3.4	3770	426	73700	3.4	R	147R87	DRN	90L4	455	314
4.0	3250	368	73900	4.0	RF	147R87	DRN	90L4	465	314
					RM	147R87	DRN	90L4	630	314

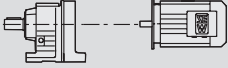

P_m = 1.5 kW										
n _a 1/min	M _a Nm	i	F _{Ra} ¹⁾ N	SEW f _B					m kg	
0.86	15300	1705	45900	0.85						
0.95	13700	1536	61000	0.95						
1.1	11900	1329	64700	1.10						
1.2	10400	1166	67100	1.25						
1.4	9180	1029	68900	1.40	R	147R77	DRN	90L4	435	314
1.6	7950	889	70400	1.65	RF	147R77	DRN	90L4	445	314
1.9	6990	784	71300	1.85	RM	147R77	DRN	90L4	610	314
2.1	6180	695	72100	2.1						
2.4	5570	619	72500	2.3						
2.6	5010	558	72900	2.6						
1.4	9410	1043	42400	0.85	R	137R77	DRN	90L4	295	314
1.6	7990	888	53400	1.00	RF	137R77	DRN	90L4	320	314
2.1	6260	699	56600	1.30	RM	137R77	DRN	90L4	430	314
2.4	5430	609	57800	1.45						
1.3	9870	1090	32900	0.80						
1.5	8610	951	51300	0.95						
1.8	7460	831	54500	1.05						
2.0	6520	730	56200	1.25	R	137R77	DRN	90L4	305	314
2.3	5590	629	57600	1.45	RF	137R77	DRN	90L4	325	314
2.6	5040	560	58400	1.60	RM	137R77	DRN	90L4	440	314
3.0	4360	490	59100	1.85						
3.4	3800	428	59700	2.1						
3.8	3430	381	60000	2.3						
4.5	2910	323	60400	2.8						
2.8	4720	528	25800	0.90	R	107R77	DRN	90L4	210	314
					RF	107R77	DRN	90L4	220	314
					RM	107R77	DRN	90L4	305	314
2.7	4840	544	21300	0.90						
3.0	4380	492	29000	1.00	R	107R77	DRN	90L4	220	314
3.5	3710	417	32300	1.15	RF	107R77	DRN	90L4	225	314
4.0	3310	369	33900	1.30	RM	107R77	DRN	90L4	310	314
4.5	2890	323	35300	1.50						
3.1	4300	469	29400	1.00	R	107R77	DRN	90L4	210	314
					RF	107R77	DRN	90L4	215	314
					RM	107R77	DRN	90L4	305	314
4.3	3050	336	17400	1.00						
4.9	2680	296	23000	1.10	R	97R57	DRN	90L4	145	314
5.9	2250	249	25300	1.35	RF	97R57	DRN	90L4	165	314
6.2	2100	234	26000	1.45	RM	97R57	DRN	90L4	215	314
7.0	1870	209	26800	1.60						
5.7	2500	255.71	24000	1.20						
6.1	2360	241.25	24800	1.25						
6.8	2120	216.28	25900	1.40						
7.8	1820	186.30	27000	1.65	R	97	DRN	90L4	120	304
8.6	1660	170.02	27400	1.80	RF	97	DRN	90L4	140	305
9.7	1470	150.78	27700	2.0	RM	97	DRN	90L4	190	305
12	1240	126.75	28000	2.4						
13	1140	116.48	28100	2.6						
14	1010	103.44	28200	3.0						
16	900	92.48	28300	3.3						
8.0	1780	181.77	15100	0.85						
9.4	1520	155.34	17100	1.00	R	87	DRN	90L4	80	301
10	1390	142.41	17900	1.10	RF	87	DRN	90L4	87	302
12	1220	124.97	18800	1.25	RM	87	DRN	90L4	115	302
12	1160	118.43*	19200	1.35						
14	1010	103.65	19800	1.55						
16	910	93.38	20000	1.70						
18	800	81.92	20000	1.95						
20	710	72.57	20000	2.2						
23	620	63.68*	20000	2.5	R	87	DRN	90L4	80	301
24	590	60.35*	20000	2.6	RF	87	DRN	90L4	87	302
28	515	52.82	20000	3.0	RM	87	DRN	90L4	115	302
31	465	47.58	20000	3.3						
35	405	41.74	20000	3.8						
40	360	36.84*	19400	4.3						

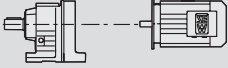

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P_m = 1.5 kW										
n_a 1/min	M_a Nm	i	F_{Ra}¹⁾ N	SEW f_B					m kg	
16	910	92.97	8980	0.90						
18	800	81.80	10100	1.00	R	77	DRN	90L4	54	298
19	755	77.24	10500	1.10	RF	77	DRN	90L4	59	299
22	640	65.77	11300	1.25	RM	77	DRN	90L4	84	299
25	565	57.68	11700	1.45						
28	510	52.07	12000	1.60						
32	445	45.81	12300	1.85						
34	420	43.26	12400	1.95	R	77	DRN	90L4	54	298
40	360	36.83	12600	2.3	RF	77	DRN	90L4	59	299
44	325	33.47	12700	2.5	RM	77	DRN	90L4	84	299
50	280	29.00	12400	2.9						
58	245	25.23	11900	3.2						
62	225	23.37	11600	3.6	R	77	DRN	90L4	52	298
68	210	21.43	11400	3.9	RF	77	DRN	90L4	58	299
78	184	18.80	10900	4.2	RM	77	DRN	90L4	83	299
24	600	61.26	7550	1.00						
26	555	56.89	8030	1.10						
28	505	51.56	8530	1.20						
32	450	46.29	8960	1.30	R	67	DRN	90L4	48	295
37	390	39.88*	9390	1.50	RF	67	DRN	90L4	51	296
39	365	37.50	9530	1.55	RM	67	DRN	90L4	67	296
45	315	32.27	9810	1.70						
51	280	28.83	9960	1.85						
52	275	28.13	9890	1.95						
55	260	26.72	9760	2.1	R	67	DRN	90L4	47	295
62	225	23.44	9410	2.4	RF	67	DRN	90L4	50	296
73	195	19.89	8980	3.1	RM	67	DRN	90L4	66	296
81	176	17.95	8720	3.4						
27	520	53.22	5900	0.85	R	57	DRN	90L4	41	292
30	470	48.23	5980	0.95	RF	57	DRN	90L4	45	293
34	420	43.30	5880	1.05	RM	57	DRN	90L4	57	293
39	365	37.30*	5730	1.25	R	57	DRN	90L4	41	292
42	340	35.07	5670	1.30	RF	57	DRN	90L4	45	293
48	295	30.18	5500	1.50	RM	57	DRN	90L4	57	293
54	260	26.97	5380	1.70						
56	255	26.31	5350	1.75						
58	245	24.99*	5290	1.85						
67	215	21.93	5130	2.1	R	57	DRN	90L4	40	292
79	182	18.60*	4930	2.5	RF	57	DRN	90L4	44	293
87	165	16.79	4810	2.7	RM	57	DRN	90L4	56	293
99	145	14.77*	4650	3.0						
105	137	13.95*	4580	3.1						
123	116	11.88	4390	3.5						
40	360	36.93	3260	0.85						
42	340	34.73	4290	0.90	R	47	DRN	90L4	36	289
49	290	29.88	4190	1.00	RF	47	DRN	90L4	36	290
55	260	26.70	4110	1.15						
62	230	23.59	4020	1.30						
63	225	23.28	4010	1.30						
67	210	21.81	3960	1.40						
76	189	19.27	3860	1.55						
82	175	17.89	3800	1.65						
90	159	16.22	3710	1.75						
100	143	14.56	3620	1.85						
116	123	12.54	3490	2.0						
124	116	11.79	3440	2.1						
144	100	10.15	3310	2.3	R	47	DRN	90L4	35	289
161	89	9.07	3210	2.5	RF	47	DRN	90L4	35	290
182	79	8.01	3110	2.6						
188	76	7.76*	3040	2.1						
210	68	6.96	2950	2.3						
244	59	6.00	2830	2.6						
259	55	5.64*	2780	2.8						
301	48	4.85	2670	3.2						
337	43	4.34	2590	3.4						
381	38	3.83	2500	3.8						

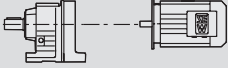

P_m = 1.5 kW																
n_a 1/min	M_a Nm	i	F_{Ra}¹⁾ N	SEW f_B					m kg							
76	189	19.31	2760	1.05	R	37	DRN	90L4	31	286						
81	177	18.05	2930	1.15												
94	153	15.60	3230	1.30												
110	130	13.25	3320	1.45	RF	37	DRN	90L4	31	286						
123	116	11.83	3240	1.60												
145	99	10.11	3130	1.70												
154	93	9.47	3080	1.80												
183	78	7.97	2950	2.0												
219	65	6.67	2800	2.2												
258	56	5.67	2680	2.6												
289	50	5.06	2600	2.7												
338	42	4.32	2490	3.0												
361	40	4.05	2450	3.1												
429	33	3.41	2330	3.4												
93	153	15.63	1780	0.85	R	27	DRN	90L4	25	283						
110	130	13.28*	2080	1.00												
123	116	11.86	2060	1.10												
144	99	10.13	2010	1.25												
179	80	8.16	1870	1.45												
192	75	7.63*	1850	1.50												
222	65	6.59	1800	1.65												
261	55	5.60*	1740	1.80												
292	49	5.00*	1700	1.95												
342	42	4.27	1640	2.1												
365	39	4.00*	1610	2.2												
434	33	3.37	1540	2.4												
259	55	5.63	5520	2.00							RF	27	DRN	90L4	25	284
273	52	5.35*	5440	1.95												
309	46	4.73	5240	2.6												
362	40	4.04*	4990	3.6												
394	36	3.70	4860	4.2												
450	32	3.25*	4670	5.7												
474	30	3.08*	4590	6.4												
542	26	2.70	4400	8.1												
602	24	2.43	4260	9.0												
323	44	4.53	3540	1.85	R	67	DRN	90L4	34	267						
340	42	4.30*	3490	1.90												
387	37	3.77	3360	2.4												
457	31	3.20*	3200	3.2												
506	28	2.89	3100	3.7												
575	25	2.54	2990	4.7												
609	24	2.40*	2940	5.2												
715	20	2.04	2790	6.7												
787	18	1.86	2710	6.9												
908	16	1.61	2590	7.2												
1045	14	1.40*	2480	7.6												
386	37	3.79	2670	1.85							R	57	DRN	90L4	32	265
412	35	3.55*	2620	2.00												
466	31	3.14	2540	2.1												
502	29	2.91	2480	2.4												
553	26	2.64*	2410	2.7												
616	23	2.37	2340	3.0												
716	20	2.04	2240	3.4												
761	19	1.92*	2200	3.7												
884	16	1.65	2100	4.3												
990	14	1.48	2030	4.7												
1120	13	1.30	1960	4.9												

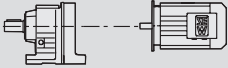

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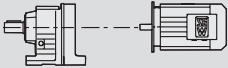

P_m = 2.2 kW										
n_a 1/min	M_a Nm	i	F_{Ra}¹⁾ N	SEW f_B					m kg	
0.87	21900	1670	120000	0.80						
1.0	19100	1438	120000	0.95						
1.1	17000	1279	120000	1.05	R	167R97	DRN	100LS4	770	315
1.3	14800	1123	120000	1.20	RF	167R97	DRN	100LS4	780	315
1.4	13200	999	120000	1.35	RM	167R97	DRN	100LS4	970	315
1.7	11400	861	120000	1.60						
1.9	10100	760	120000	1.80						
2.2	8460	656	120000	2.1						
2.7	6980	533	71300	1.85	R	147R87	DRN	100LS4	460	314
3.1	6010	462	72200	2.2	RF	147R87	DRN	100LS4	470	314
3.4	5650	426	72500	2.3	RM	147R87	DRN	100LS4	640	314
3.9	4880	368	73000	2.7						
4.4	4310	326	73400	3.0						
1.2	15500	1166	42600	0.85						
1.4	13700	1029	61200	0.95	R	147R77	DRN	100LS4	440	314
1.6	11800	889	64800	1.10	RF	147R77	DRN	100LS4	450	314
1.8	10400	784	67100	1.25	RM	147R77	DRN	100LS4	620	314
2.1	9240	695	68800	1.40						
2.3	8300	619	70000	1.55						
2.6	7470	558	70900	1.75						
3.0	6540	489	71800	2.00						
2.1	9340	699	43700	0.85	R	137R77	DRN	100LS4	300	314
2.4	8110	609	53100	1.00	RF	137R77	DRN	100LS4	325	314
					RM	137R77	DRN	100LS4	435	314
2.0	9740	730	35900	0.80						
2.3	8360	629	52400	0.95	R	137R77	DRN	100LS4	310	314
2.6	7510	560	54400	1.05	RF	137R77	DRN	100LS4	330	314
3.0	6520	490	56200	1.25	RM	137R77	DRN	100LS4	445	314
3.4	5690	428	57500	1.40						
3.8	5110	381	58300	1.55						
4.5	4330	323	59200	1.85						
5.0	3900	291	59600	2.0						
5.7	3410	255	60000	2.3						
6.5	2980	223	60400	2.7						
4.5	4320	323	29300	1.00	R	107R77	DRN	100LS4	220	314
5.1	3800	285	31900	1.15	RF	107R77	DRN	100LS4	230	314
5.7	3360	253	33700	1.30	RM	107R77	DRN	100LS4	315	314
6.8	2850	214	35400	1.50						
4.5	4410	325	28800	0.95	R	107R77	DRN	100LS4	215	314
					RF	107R77	DRN	100LS4	220	314
					RM	107R77	DRN	100LS4	310	314
6.9	2790	209	22300	1.05	R	97R57	DRN	100LS4	150	314
					RF	97R57	DRN	100LS4	165	314
					RM	97R57	DRN	100LS4	220	314
5.8	3630	251.15	32600	1.20	R	107	DRN	100LS4	185	306
6.3	3330	229.95	33800	1.30	RF	107	DRN	100LS4	190	307
7.1	2940	203.16	35100	1.45	RM	107	DRN	100LS4	275	307
8.4	2490	172.34	36200	1.70						
9.1	2290	158.68	36400	1.85	R	107	DRN	100LS4	185	306
10	2050	141.83	36700	2.1	RF	107	DRN	100LS4	190	307
11	1840	127.68	36900	2.3	RM	107	DRN	100LS4	275	307
13	1670	115.63	37100	2.6						
14	1480	102.53	37200	2.9						
16	1340	92.70	37400	3.2						
6.7	3130	216.28	13800	0.95	R	97	DRN	100LS4	125	304
7.8	2690	186.30	22900	1.10	RF	97	DRN	100LS4	145	305
8.5	2460	170.02	24300	1.20	RM	97	DRN	100LS4	195	305

P_m = 2.2 kW										
n_a 1/min	M_a Nm	i	F_{Ra}¹⁾ N	SEW f_B					m kg	
9.6	2180	150.78	25600	1.35						
11	1830	126.75	27000	1.65						
12	1680	116.48	27400	1.80						
14	1490	103.44	27600	2.0						
16	1330	92.48	27900	2.2	R	97	DRN	100LS4	125	304
17	1200	83.15	28000	2.5	RF	97	DRN	100LS4	145	305
20	1040	72.17	28200	2.9	RM	97	DRN	100LS4	195	305
22	940	65.21	27500	3.2						
24	860	59.92	26800	3.5						
27	770	53.21	25900	3.9						
30	685	47.58	25000	4.4						
12	1810	124.97	13900	0.85						
12	1710	118.43*	15700	0.90	R	87	DRN	100LS4	85	301
14	1500	103.65	17300	1.05	RF	87	DRN	100LS4	92	302
16	1350	93.38	18200	1.15	RM	87	DRN	100LS4	120	302
18	1180	81.92	19000	1.30						
20	1050	72.57	19600	1.45						
23	920	63.68*	20000	1.70						
24	870	60.35*	20000	1.75	R	87	DRN	100LS4	85	301
27	765	52.82	20000	2.0	RF	87	DRN	100LS4	92	302
30	685	47.58	20000	2.2	RM	87	DRN	100LS4	120	302
35	600	41.74	19700	2.6						
39	530	36.84*	19000	2.9						
44	470	32.66*	18400	3.3						
42	495	34.40*	18700	3.0						
46	450	31.40	18200	3.4	R	87	DRN	100LS4	83	301
52	400	27.84*	17500	3.8	RF	87	DRN	100LS4	90	302
62	335	23.40	16700	4.6	RM	87	DRN	100LS4	120	302
67	310	21.51	16200	4.8						
22	950	65.77	7900	0.85	R	77	DRN	100LS4	58	298
25	830	57.68	9770	1.00	RF	77	DRN	100LS4	64	299
28	750	52.07	10500	1.10	RM	77	DRN	100LS4	88	299
32	660	45.81	11200	1.25						
34	625	43.26	11400	1.30						
39	530	36.83	11900	1.55	R	77	DRN	100LS4	58	298
43	485	33.47	12100	1.70	RF	77	DRN	100LS4	64	299
50	420	29.00	12000	1.95	RM	77	DRN	100LS4	88	299
57	365	25.23	11600	2.1						
62	335	23.37	11400	2.4						
68	310	21.43	11100	2.6	R	77	DRN	100LS4	57	298
77	270	18.80	10700	2.9	RF	77	DRN	100LS4	62	299
81	255	17.82*	10500	3.0	RM	77	DRN	100LS4	87	299
93	225	15.60	10100	3.3						
103	200	14.05	9830	3.5						
36	575	39.88*	7820	1.00	R	67	DRN	100LS4	52	295
39	540	37.50	8180	1.05	RF	67	DRN	100LS4	55	296
45	465	32.27	8850	1.15	RM	67	DRN	100LS4	71	296
50	415	28.83	9220	1.25						
62	335	23.44	9070	1.65						
73	285	19.89	8700	2.1						
81	260	17.95	8470	2.3						
92	225	15.79	8180	2.4	R	67	DRN	100LS4	51	295
97	215	14.91	8050	2.6	RF	67	DRN	100LS4	54	296
114	184	12.70	7700	2.8	RM	67	DRN	100LS4	70	296
126	167	11.54	7500	3.0						
145	145	10.00	7190	3.2						
167	126	8.70*	6910	3.5						
186	113	7.79	6700	3.4						
39	540	37.30*	5120	0.85	R	57	DRN	100LS4	45	292
41	505	35.07	5100	0.90	RF	57	DRN	100LS4	48	293
48	435	30.18	5010	1.05	RM	57	DRN	100LS4	60	293
54	390	26.97	4940	1.15						

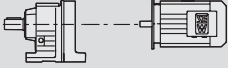

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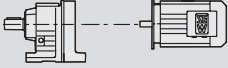

P_m = 2.2 kW										
n_a 1/min	M_a Nm	i	F_{Ra}¹⁾ N	SEW f_B					m kg	
66	315	21.93	4780	1.40						
78	265	18.60*	4630	1.65						
86	240	16.79	4540	1.85						
98	210	14.77*	4420	2.0						
104	200	13.95*	4360	2.1	R	57	DRN	100LS4	44	292
122	172	11.88	4210	2.4	RF	57	DRN	100LS4	48	293
134	156	10.79	4110	2.5	RM	57	DRN	100LS4	60	293
155	135	9.35	3970	2.7						
160	131	9.06	3950	2.9						
182	116	7.97	3820	3.1						
75	275	19.27	3540	1.05						
89	230	16.22	3450	1.15						
100	210	14.56	3380	1.25						
116	182	12.54	3290	1.40						
123	171	11.79	3250	1.45						
143	147	10.15	3140	1.55						
160	131	9.07	3070	1.65	R	47	DRN	100LS4	39	289
181	116	8.01	2980	1.75	RF	47	DRN	100LS4	39	290
187	112	7.76*	2890	1.45						
208	101	6.96	2820	1.60						
242	87	6.00	2720	1.80						
257	82	5.64*	2680	1.90						
299	70	4.85	2580	2.1						
334	63	4.34	2510	2.3						
378	56	3.83	2430	2.6						
93	225	15.60	1180	0.90	R	37	DRN	100LS4	35	286
109	192	13.25	1740	1.00	RF	37	DRN	100LS4	37	287
123	171	11.83	2060	1.05						
143	146	10.11	2410	1.15						
153	137	9.47	2530	1.20						
182	116	7.97	2790	1.35						
217	97	6.67	2500	1.50	R	37	DRN	100LS4	35	286
256	82	5.67	2550	1.75	RF	37	DRN	100LS4	37	287
287	73	5.06	2490	1.85						
336	63	4.32	2400	2.0						
358	59	4.05	2360	2.1						
425	49	3.41	2260	2.3						
143	147	10.13	1180	0.85						
220	95	6.59	1180	1.10	R	27	DRN	100LS4	29	283
259	81	5.60*	1430	1.20	RF	27	DRN	100LS4	29	284
290	72	5.00*	1570	1.30						
340	62	4.27	1530	1.40						
362	58	4.00*	1510	1.45						
430	49	3.37	1460	1.60						
307	68	4.73	5140	1.80						
359	59	4.04*	4910	2.4						
392	54	3.70	4780	2.8						
446	47	3.25*	4600	3.9						
471	45	3.08*	4530	4.3	RX	77	DRN	100LS4	48	269
538	39	2.70	4350	5.5	RXF	77	DRN	100LS4	50	270
597	35	2.43	4210	6.1						
681	31	2.13	4040	6.5						
771	27	1.88*	3890	6.9						
870	24	1.67	3740	7.2						
1020	21	1.42	3560	7.5						
384	55	3.77	3250	1.60						
453	46	3.20*	3110	2.2						
502	42	2.89	3020	2.5						
570	37	2.54	2920	3.2	RX	67	DRN	100LS4	38	267
604	35	2.40*	2870	3.5	RXF	67	DRN	100LS4	42	268
710	30	2.04	2740	4.5						
781	27	1.86	2660	4.7						
901	23	1.61	2550	4.9						
1035	20	1.40*	2440	5.1						

P_m = 2.2 kW										
n _a 1/min	M _a Nm	i	F _{Ra} ¹⁾ N	SEW f _B					m kg	
462	45	3.14	2430	1.45						
549	38	2.64*	2330	1.80						
612	34	2.37	2260	2.0						
710	30	2.04	2170	2.3	RX	57	DRN	100LS4	36	265
755	28	1.92*	2130	2.5	RXF	57	DRN	100LS4	37	266
878	24	1.65	2040	2.9						
982	21	1.48	1980	3.2						
1110	19	1.30	1910	3.3						

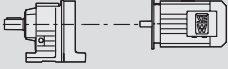

P_m = 3.0 kW										
n _a 1/min	M _a Nm	i	F _{Ra} ¹⁾ N	SEW f _B					m kg	
1.3	20300	1123	120000	0.90						
1.5	18100	999	120000	1.00	R	167R97	DRN	100L4	780	315
1.7	15600	861	120000	1.15	RF	167R97	DRN	100L4	780	315
1.9	13800	760	120000	1.30	RM	167R97	DRN	100L4	980	315
2.2	11600	656	120000	1.55						
2.9	8940	503	120000	2.0						
2.7	9590	533	68400	1.35						
3.2	8260	462	70000	1.55	R	147R87	DRN	100L4	470	314
3.4	7730	426	70600	1.70	RF	147R87	DRN	100L4	475	314
4.0	6680	368	71600	1.95	RM	147R87	DRN	100L4	640	314
4.5	5910	326	72300	2.2						
5.2	5010	280	72900	2.6						
1.6	16200	889	33300	0.80						
1.9	14200	784	58900	0.90	R	147R77	DRN	100L4	445	314
2.1	12600	695	63400	1.05	RF	147R77	DRN	100L4	455	314
2.4	11300	619	65700	1.15	RM	147R77	DRN	100L4	620	314
2.6	10100	558	67500	1.25						
3.0	8910	490	50000	0.90						
3.4	7780	428	53800	1.05						
3.8	6970	381	55400	1.15	R	137R77	DRN	100L4	315	314
4.5	5910	323	57200	1.35	RF	137R77	DRN	100L4	340	314
5.0	5320	291	58000	1.50	RM	137R77	DRN	100L4	450	314
5.7	4650	255	58800	1.70						
6.5	4070	223	59400	1.95						
2.8	9600	517	38900	0.85	R	137R77	DRN	100L4	305	314
3.2	8410	453	52200	0.95	RF	137R77	DRN	100L4	330	314
					RM	137R77	DRN	100L4	440	314
5.8	4600	253	27700	0.95	R	107R77	DRN	100L4	230	314
6.8	3900	214	31500	1.10	RF	107R77	DRN	100L4	235	314
7.8	3400	187	33500	1.25	RM	107R77	DRN	100L4	325	314
5.7	4730	256	25600	0.90	R	107R77	DRN	100L4	225	314
					RF	107R77	DRN	100L4	230	314
					RM	107R77	DRN	100L4	315	314
6.3	4520	229.95	28200	0.95						
7.2	3990	203.16	31000	1.10						
8.4	3390	172.34	33600	1.25						
9.2	3120	158.68	34500	1.40						
10	2790	141.83	35600	1.55	R	107	DRN	100L4	190	306
11	2510	127.68	36200	1.70	RF	107	DRN	100L4	195	307
13	2270	115.63	36500	1.90	RM	107	DRN	100L4	285	307
14	2010	102.53	36800	2.1						
16	1820	92.70	37000	2.4						
19	1540	78.57	35500	2.8						
20	1430	72.88	34800	3.0						

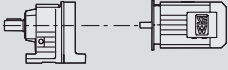

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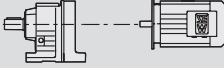

P_m = 3.0 kW										
n_a 1/min	M_a Nm	i	F_{Ra}¹⁾ N	SEW f_B					m kg	
9.7	2960	150.78	21000	1.00						
11	2490	126.75	24100	1.20						
12	2290	116.48	25100	1.30						
14	2030	103.44	26200	1.45						
16	1810	92.48	27100	1.65						
18	1630	83.15	27400	1.85						
20	1410	72.17	27500	2.1	R	97	DRN	100L4	135	304
22	1280	65.21	26700	2.3	RF	97	DRN	100L4	150	305
24	1170	59.92	26100	2.5	RM	97	DRN	100L4	200	305
27	1040	53.21	25300	2.9						
31	930	47.58	24500	3.2						
34	840	42.78	23800	3.6						
39	730	37.13	22800	4.1						
44	650	33.25	22100	4.4						
16	1830	93.38	12100	0.85	R	87	DRN	100L4	92	301
18	1610	81.92	16500	0.95	RF	87	DRN	100L4	99	302
20	1420	72.57	17700	1.10	RM	87	DRN	100L4	130	302
23	1250	63.68*	18700	1.25						
24	1180	60.35*	19000	1.30						
28	1030	52.82	19700	1.50						
31	930	47.58	19800	1.65	R	87	DRN	100L4	92	301
35	820	41.74	19200	1.90	RF	87	DRN	100L4	99	302
40	720	36.84*	18500	2.1	RM	87	DRN	100L4	130	302
45	640	32.66*	17900	2.4						
52	545	27.88	17200	2.7						
42	675	34.40*	18200	2.2						
46	615	31.40	17700	2.5	R	87	DRN	100L4	90	301
52	545	27.84*	17200	2.8	RF	87	DRN	100L4	97	302
62	460	23.40	16300	3.4	RM	87	DRN	100L4	125	302
68	420	21.51	15900	3.5						
76	375	19.10	15400	3.8						
85	335	17.08*	14900	4.1						
95	300	15.35	14400	4.4						
32	900	45.81	9090	0.90	R	77	DRN	100L4	65	298
34	850	43.26	9620	0.95	RF	77	DRN	100L4	71	299
40	720	36.83	10700	1.15	RM	77	DRN	100L4	96	299
44	655	33.47	11200	1.25						
50	570	29.00	11600	1.45	R	77	DRN	100L4	65	298
58	495	25.23	11200	1.55	RF	77	DRN	100L4	71	299
					RM	77	DRN	100L4	96	299
62	455	23.37	11000	1.80						
68	420	21.43	10700	1.95						
77	365	18.80	10400	2.1						
82	350	17.82*	10200	2.2	R	77	DRN	100L4	64	298
93	305	15.60	9870	2.4	RF	77	DRN	100L4	70	299
104	275	14.05	9600	2.6	RM	77	DRN	100L4	94	299
118	240	12.33	9250	2.8						
134	210	10.88	8930	3.1						
151	190	9.64	8620	3.3						
169	169	8.59	8400	3.7						
188	152	7.74	8140	4.0						
214	134	6.79	7830	4.3						
62	460	23.44	8660	1.20						
73	390	19.89	8350	1.55	R	67	DRN	100L4	58	295
81	350	17.95	8150	1.65	RF	67	DRN	100L4	61	296
92	310	15.79	7900	1.80	RM	67	DRN	100L4	77	296
98	290	14.91	7790	1.85						
115	245	12.70	7470	2.1						
126	225	11.54	7290	2.2						
146	197	10.00	7010	2.4						
54	530	26.97	4430	0.85	R	57	DRN	100L4	52	292
					RF	57	DRN	100L4	56	293
					RM	57	DRN	100L4	68	293
66	430	21.93	4360	1.05	R	57	DRN	100L4	51	292
78	365	18.60*	4280	1.25	RF	57	DRN	100L4	55	293
87	330	16.79	4220	1.35	RM	57	DRN	100L4	67	293

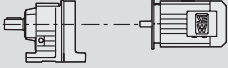

P_m = 3.0 kW										
n_a 1/min	M_a Nm	i	F_{Ra}¹⁾ N	SEW f_B					m kg	
99	290	14.77*	4140	1.50						
104	270	13.95*	4100	1.55						
123	230	11.88	3980	1.75						
135	210	10.79	3900	1.85						
156	184	9.35	3790	2.0						
161	178	9.06	3780	2.1	R	57	DRN	100L4	51	292
183	157	7.97	3670	2.3	RF	57	DRN	100L4	55	293
193	148	7.53	3620	2.4	RM	57	DRN	100L4	67	293
227	126	6.41	3480	2.7						
250	115	5.82	3400	2.8						
289	99	5.05	3270	3.1						
332	86	4.39	3160	3.2						
90	315	16.22	2210	0.85	R	47	DRN	100L4	46	289
100	285	14.56	2650	0.90	RF	47	DRN	100L4	46	290
116	245	12.54	3040	1.00						
123	230	11.79	3020	1.05						
143	200	10.15	2950	1.15						
161	178	9.07	2890	1.25						
182	158	8.01	2820	1.30						
188	153	7.76*	2720	1.05	R	47	DRN	100L4	46	289
209	137	6.96	2660	1.15	RF	47	DRN	100L4	46	290
243	118	6.00	2590	1.30						
258	111	5.64*	2550	1.40						
300	95	4.85	2470	1.55						
336	85	4.34	2410	1.70						
380	75	3.83	2340	1.90						
144	199	10.11	920	0.85	R	37	DRN	100L4	42	286
154	186	9.47	1140	0.90	RF	37	DRN	100L4	44	287
183	157	7.97	1610	1.00						
218	131	6.67	1350	1.10						
257	111	5.67	1700	1.25						
288	100	5.06	1900	1.35	R	37	DRN	100L4	42	286
337	85	4.32	2110	1.50	RF	37	DRN	100L4	44	287
360	80	4.05	2180	1.55						
427	67	3.41	2160	1.65						
260	110	5.60*	455	0.90						
291	98	5.00*	695	0.95	R	27	DRN	100L4	37	283
341	84	4.27	970	1.05	RF	27	DRN	100L4	37	284
364	79	4.00*	1070	1.10						
432	66	3.37	1280	1.20						
226	127	6.45	7050	1.50						
262	109	5.56*	6760	2.1	RX	87	DRN	100L4	72	271
287	100	5.07	6580	2.5	RXF	87	DRN	100L4	77	272
324	89	4.50*	6350	3.3						
385	74	3.78	6030	4.1						
308	93	4.73	5000	1.30						
360	79	4.04*	4780	1.80	RX	77	DRN	100L4	55	269
393	73	3.70	4670	2.1	RXF	77	DRN	100L4	57	270
448	64	3.25*	4500	2.8						
473	61	3.08*	4430	3.2						
386	74	3.77	3120	1.15						
455	63	3.20*	3000	1.60						
504	57	2.89	2920	1.85						
573	50	2.54	2820	2.4						
607	47	2.40*	2780	2.6	RX	67	DRN	100L4	45	267
713	40	2.04	2660	3.3	RXF	67	DRN	100L4	49	268
784	37	1.86	2590	3.4						
905	32	1.61	2480	3.6						
1040	28	1.40*	2380	3.8						

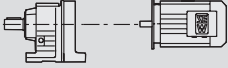

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P_m = 3.0 kW										
n _a 1/min	M _a Nm	i	F _{Ra} ¹⁾ N	SEW f _B					m kg	
464	62	3.14	2310	1.05						
552	52	2.64*	2220	1.35						
614	47	2.37	2160	1.50						
713	40	2.04	2080	1.70	RX	57	DRN	100L4	43	265
758	38	1.92*	2050	1.85	RXF	57	DRN	100L4	45	266
881	33	1.65	1970	2.1						
986	29	1.48	1910	2.3						
1115	26	1.30	1850	2.4						

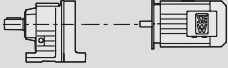

P_m = 4.0 kW										
n _a 1/min	M _a Nm	i	F _{Ra} ¹⁾ N	SEW f _B					m kg	
1.7	20800	861	120000	0.85						
1.9	18400	760	120000	1.00	R	167R97	DRN	112M4	780	315
2.2	15600	656	120000	1.15	RF	167R97	DRN	112M4	790	315
2.9	11900	503	120000	1.50	RM	167R97	DRN	112M4	990	315
3.9	8970	376	120000	2.0						
4.4	7980	335	120000	2.2						
2.8	12800	533	63000	1.00						
3.2	11000	462	66200	1.20						
3.4	10300	426	67300	1.25						
4.0	8900	368	69200	1.45	R	147R87	DRN	112M4	475	314
4.5	7870	326	70400	1.65	RF	147R87	DRN	112M4	485	314
5.2	6700	280	71600	1.95	RM	147R87	DRN	112M4	650	314
5.9	5910	247	72300	2.2						
6.9	5110	214	72900	2.5						
7.8	4520	189	73200	2.9						
9.2	3790	159	73600	3.4						
2.4	15000	619	49400	0.85	R	147R77	DRN	112M4	455	314
2.6	13500	558	61500	0.95	RF	147R77	DRN	112M4	465	314
3.0	11800	489	64800	1.10	RM	147R77	DRN	112M4	630	314
3.5	10000	415	67700	1.30						
3.8	9280	381	44800	0.85						
4.5	7870	323	53700	1.00	R	137R77	DRN	112M4	325	314
5.0	7080	291	55200	1.15	RF	137R77	DRN	112M4	350	314
5.8	6190	255	56700	1.30	RM	137R77	DRN	112M4	460	314
6.6	5420	223	57900	1.45						
3.9	9260	376	45100	0.85	R	137R77	DRN	112M4	315	314
4.3	8340	339	52500	0.95	RF	137R77	DRN	112M4	340	314
4.9	7300	297	54800	1.10	RM	137R77	DRN	112M4	450	314
7.8	4530	187	28100	0.95	R	107R77	DRN	112M4	240	314
					RF	107R77	DRN	112M4	245	314
					RM	107R77	DRN	112M4	330	314
7.6	4740	193	25200	0.90	R	107R77	DRN	112M4	230	314
8.5	4240	172	29800	1.00	RF	107R77	DRN	112M4	240	314
					RM	107R77	DRN	112M4	325	314
8.5	4490	172.34	28400	0.95						
9.2	4140	158.68	30300	1.05						
10	3700	141.83	32400	1.15						
11	3330	127.68	33800	1.30						
13	3010	115.63	34900	1.45						
14	2670	102.53	35900	1.60	R	107	DRN	112M4	200	306
16	2410	92.70	36200	1.80	RF	107	DRN	112M4	205	307
19	2050	78.57	34600	2.1	RM	107	DRN	112M4	295	307
20	1900	72.88	33900	2.3						
22	1710	65.60*	33000	2.5						
25	1550	59.41	32100	2.8						
28	1370	52.68	31000	3.1						

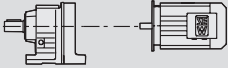

P_m = 4.0 kW										
n_a 1/min	M_a Nm	i	F_{Ra}¹⁾ N	SEW f_B			m kg			
13	3030	116.48	18300	1.00						
14	2690	103.44	22900	1.10						
16	2410	92.48	24500	1.25						
18	2160	83.15	25700	1.40						
20	1880	72.17	26500	1.60						
22	1700	65.21	25800	1.75	R	97	DRN	112M4	140	304
24	1560	59.92	25300	1.90	RF	97	DRN	112M4	160	305
28	1380	53.21	24600	2.2	RM	97	DRN	112M4	210	305
31	1240	47.58	23800	2.4						
34	1110	42.78	23200	2.7						
39	960	37.13	22300	3.1						
44	860	33.25	21600	3.3						
46	830	32.05	21400	3.1	R	97	DRN	112M4	140	304
54	705	27.19	20400	3.6	RF	97	DRN	112M4	155	305
58	650	25.03	20000	4.3	RM	97	DRN	112M4	205	305
65	580	22.37	19300	4.7						
73	525	20.14	18700	5.0						
23	1660	63.68*	13700	0.95	R	87	DRN	112M4	100	301
24	1570	60.35*	14300	1.00	RF	87	DRN	112M4	110	302
28	1370	52.82	15500	1.10	RM	87	DRN	112M4	140	302
31	1240	47.58	16300	1.25						
35	1080	41.74	17000	1.40	R	87	DRN	112M4	100	301
40	960	36.84*	17500	1.60	RF	87	DRN	112M4	110	302
45	850	32.66*	17400	1.80	RM	87	DRN	112M4	140	302
52	725	27.88	16700	2.1						
43	890	34.40*	17600	1.65						
47	810	31.40	17200	1.90						
53	725	27.84*	16700	2.1						
63	610	23.40	15900	2.5	R	87	DRN	112M4	99	301
68	560	21.51	15600	2.7	RF	87	DRN	112M4	105	302
77	495	19.10	15100	2.9	RM	87	DRN	112M4	135	302
86	445	17.08*	14600	3.1						
95	400	15.35	14200	3.3						
110	345	13.33	13600	3.7						
123	310	11.93	13200	4.0						
40	960	36.83	7260	0.85	R	77	DRN	112M4	74	298
44	870	33.47	9400	0.95	RF	77	DRN	112M4	80	299
50	755	29.00	10500	1.10	RM	77	DRN	112M4	105	299
58	655	25.23	10700	1.20						
63	605	23.37	10500	1.35						
68	555	21.43	10300	1.45						
78	490	18.80	10000	1.60						
82	460	17.82*	9880	1.70						
94	405	15.60	9560	1.80						
104	365	14.05	9310	1.95						
119	320	12.33	9000	2.2	R	77	DRN	112M4	73	298
135	280	10.88	8700	2.3	RF	77	DRN	112M4	79	299
152	250	9.64	8420	2.5	RM	77	DRN	112M4	105	299
170	220	8.59	8240	2.8						
189	200	7.74	8000	3.0						
216	177	6.79	7700	3.3						
244	156	5.99*	7420	3.4						
276	139	5.31*	7160	3.7						

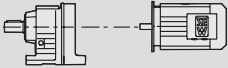

P_m = 4.0 kW										
n_a 1/min	M_a Nm	i	F_{Ra}¹⁾ N	SEW f_B					m kg	
74	515	19.89	7910	1.15						
82	465	17.95	7750	1.25						
93	410	15.79	7550	1.35						
98	385	14.91	7460	1.40						
115	330	12.70	7190	1.55						
127	300	11.54	7030	1.65						
146	260	10.00	6790	1.80	R	67	DRN	112M4	67	295
168	225	8.70*	6550	1.95	RF	67	DRN	112M4	70	296
188	200	7.79	6390	1.85	RM	67	DRN	112M4	86	296
199	192	7.36*	6290	1.95						
234	164	6.27	6020	2.0						
257	149	5.70	5860	2.1						
297	129	4.93	5630	2.2						
341	112	4.29	5410	2.4						
79	485	18.60*	3680	0.95	R	57	DRN	112M4	61	292
87	435	16.79	3820	1.05	RF	57	DRN	112M4	64	293
99	385	14.77*	3790	1.15	RM	57	DRN	112M4	76	293
105	360	13.95*	3770	1.20						
123	305	11.88	3700	1.30						
136	280	10.79	3650	1.40						
157	240	9.35	3560	1.50						
162	235	9.06	3570	1.60	R	57	DRN	112M4	61	292
184	205	7.97	3480	1.70	RF	57	DRN	112M4	64	293
194	196	7.53	3440	1.80	RM	57	DRN	112M4	76	293
228	167	6.41	3330	2.0						
251	152	5.82	3260	2.1						
290	132	5.05	3160	2.3						
333	115	4.39	3050	2.4						
144	260	10.15	2070	0.85						
161	235	9.07	2450	0.95						
183	205	8.01	2630	1.00						
210	182	6.96	2470	0.90	R	47	DRN	112M4	56	289
244	156	6.00	2420	1.00	RF	47	DRN	112M4	56	290
260	147	5.64*	2400	1.05						
302	127	4.85	2340	1.20						
338	113	4.34	2290	1.30						
382	100	3.83	2230	1.45						
263	145	5.56*	6580	1.55						
289	132	5.07	6420	1.90	RX	87	DRN	112M4	81	271
325	117	4.50*	6210	2.5	RXF	87	DRN	112M4	86	272
387	99	3.78	5910	3.1						
362	105	4.04*	4630	1.35						
395	97	3.70	4530	1.60						
450	85	3.25*	4370	2.2						
475	80	3.08*	4310	2.4						
543	70	2.70	4150	3.1	RX	77	DRN	112M4	64	269
603	63	2.43	4030	3.4	RXF	77	DRN	112M4	67	270
687	56	2.13	3880	3.6						
779	49	1.88*	3740	3.8						
878	43	1.67	3620	4.0						
1030	37	1.42	3450	4.2						
458	83	3.20*	2860	1.20						
507	75	2.89	2790	1.40						
576	66	2.54	2710	1.80						
610	63	2.40*	2670	1.95	RX	67	DRN	112M4	55	267
716	53	2.04	2560	2.5	RXF	67	DRN	112M4	59	268
788	48	1.86	2500	2.6						
910	42	1.61	2400	2.7						
1045	37	1.40*	2310	2.8						
555	69	2.64*	1740	1.00						
618	62	2.37	1840	1.10						
717	53	2.04	1960	1.30						
762	50	1.92*	1950	1.40	RX	57	DRN	112M4	52	265
886	43	1.65	1880	1.60	RXF	57	DRN	112M4	54	266
992	39	1.48	1830	1.75						
1120	34	1.30	1780	1.85						

P_m = 5.5 kW										
n_a 1/min	M_a Nm	i	F_{Ra}¹⁾ N	SEW f_B					m kg	
2.2	21700	656	120000	0.85						
2.5	19000	579	120000	0.95						
2.9	16600	503	120000	1.10						
3.4	14100	432	120000	1.25	R	167R97	DRN	132S4	800	315
3.9	12400	376	120000	1.45	RF	167R97	DRN	132S4	800	315
4.4	11000	335	120000	1.60	RM	167R97	DRN	132S4	1000	315
4.8	9930	303	120000	1.80						
5.2	9150	279	120000	1.95						
3.2	15300	462	45900	0.85						
3.4	14200	426	59000	0.90						
4.0	12300	368	64000	1.05						
4.5	10900	326	66400	1.20	R	147R87	DRN	132S4	490	314
5.2	9300	280	68700	1.40	RF	147R87	DRN	132S4	495	314
5.9	8210	247	70100	1.60	RM	147R87	DRN	132S4	660	314
6.8	7090	214	71200	1.85						
7.7	6270	189	72000	2.1						
6.6	8000	222.60*	53400	1.00						
7.8	6770	188.45	55800	1.20	R	137	DRN	132S4	295	308
8.4	6260	174.40*	56600	1.30	RF	137	DRN	132S4	320	309
9.4	5610	156.31	57600	1.40	RM	137	DRN	132S4	430	309
10	5070	141.12*	58300	1.60						
11	4600	128.18	58900	1.75						
13	4080	113.72	59400	1.95						
14	3700	103.20*	59800	2.2						
16	3180	88.70*	60200	2.5	R	137	DRN	132S4	295	308
18	2900	80.91*	60400	2.8	RF	137	DRN	132S4	320	309
20	2640	73.49	60600	3.0	RM	137	DRN	132S4	430	309
22	2340	65.20	60800	3.4						
25	2120	59.17*	60900	3.8						
29	1820	50.86*	61000	4.4						
11	4590	127.68	27800	0.95						
13	4150	115.63	30200	1.05						
14	3680	102.53	32400	1.15						
16	3330	92.70	33800	1.30						
19	2820	78.57	33400	1.50	R	107	DRN	132S4	210	306
20	2610	72.88	32800	1.65	RF	107	DRN	132S4	215	307
22	2350	65.60*	31900	1.80	RM	107	DRN	132S4	305	307
25	2130	59.41	31100	2.0						
28	1890	52.68	30200	2.3						
31	1710	47.63	29400	2.5						
36	1450	40.37*	28100	3.0						
18	2980	83.15	20000	1.00						
20	2590	72.17	22100	1.15						
22	2340	65.21	24600	1.30						
24	2150	59.92	24100	1.40						
27	1910	53.21	23500	1.55	R	97	DRN	132S4	155	304
31	1710	47.58	22900	1.75	RF	97	DRN	132S4	170	305
34	1530	42.78	22400	1.95	RM	97	DRN	132S4	220	305
39	1330	37.13	21600	2.2						
44	1190	33.25	21000	2.4						
53	990	27.58	20000	2.7						
46	1150	32.05	20800	2.2						
54	970	27.19	19900	2.6						
58	890	25.03	19500	3.1	R	97	DRN	132S4	150	304
65	800	22.37	18900	3.4	RF	97	DRN	132S4	165	305
73	720	20.14	18300	3.6	RM	97	DRN	132S4	220	305
80	655	18.24	17800	3.8						
90	580	16.17	17200	4.1						
31	1710	47.58	15700	0.90						
35	1500	41.74	17300	1.05	R	87	DRN	132S4	110	301
40	1320	36.84*	17100	1.15	RF	87	DRN	132S4	120	302
45	1170	32.66*	16600	1.30	RM	87	DRN	132S4	150	302
52	1000	27.88	16100	1.50						

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P_m = 5.5 kW										
n_a 1/min	M_a Nm	i	F_{Ra}¹⁾ N	SEW f_B					m kg	
52	1000	27.84*	16000	1.55						
62	840	23.40	15400	1.85						
68	770	21.51	15100	1.95						
76	685	19.10	14600	2.1						
86	610	17.08*	14200	2.3						
95	550	15.35	13800	2.4	R	87	DRN	132S4	110	301
110	475	13.33	13300	2.7	RF	87	DRN	132S4	120	302
122	425	11.93	12900	2.9	RM	87	DRN	132S4	150	302
148	355	9.90*	12200	3.3						
160	325	9.14*	12100	3.7						
178	295	8.22	11700	3.9						
205	255	7.13	11200	4.2						
78	675	18.80	9320	1.15	R	77	DRN	132S4	84	298
82	640	17.82*	9360	1.20	RF	77	DRN	132S4	90	299
94	560	15.60	9110	1.30	RM	77	DRN	132S4	115	299
104	505	14.05	8910	1.45						
119	440	12.33	8650	1.55						
134	390	10.88	8390	1.70						
152	345	9.64	8150	1.80	R	77	DRN	132S4	84	298
170	305	8.59	8030	2.0	RF	77	DRN	132S4	90	299
189	275	7.74	7810	2.2	RM	77	DRN	132S4	115	299
215	240	6.79	7530	2.4						
244	215	5.99*	7270	2.5						
275	191	5.31*	7030	2.7						
92	565	15.79	6720	1.00						
98	535	14.91	6980	1.05						
115	455	12.70	6790	1.15						
127	410	11.54	6660	1.20						
146	355	10.00	6470	1.30						
168	310	8.70*	6280	1.40	R	67	DRN	132S4	79	295
187	280	7.79	6150	1.35	RF	67	DRN	132S4	82	296
199	260	7.36*	6070	1.40	RM	67	DRN	132S4	98	296
233	225	6.27	5830	1.45						
257	200	5.70	5690	1.50						
296	177	4.93	5480	1.65						
340	154	4.29	5280	1.75						
99	530	14.77*	1860	0.80	R	57	DRN	132S4	72	292
105	500	13.95*	2200	0.85	RF	57	DRN	132S4	76	293
123	425	11.88	3000	0.95	RM	57	DRN	132S4	88	293
135	385	10.79	3270	1.00						
156	335	9.35	3240	1.10						
183	285	7.97	3210	1.25						
194	270	7.53	3190	1.30	R	57	DRN	132S4	72	292
228	230	6.41	3110	1.45	RF	57	DRN	132S4	76	293
251	205	5.82	3060	1.55	RM	57	DRN	132S4	88	293
290	181	5.05	2980	1.70						
333	158	4.39	2900	1.75						
301	174	4.85	1920	0.85	R	47	DRN	132S4	67	289
337	156	4.34	2110	0.95	RF	47	DRN	132S4	67	290
381	138	3.83	2070	1.05						
221	235	6.63*	10400	1.95						
260	200	5.61	9920	2.3	RX	107	DRN	132S4	150	275
281	187	5.19	9700	3.7	RXF	107	DRN	132S4	165	276
314	167	4.65	9400	4.2						
252	205	5.79	8330	2.0						
297	177	4.91	7960	2.2						
323	163	4.52	7780	3.7						
361	145	4.04	7530	4.1						
401	131	3.64*	7310	4.6						
443	118	3.30	7100	5.0	RX	97	DRN	132S4	115	273
500	105	2.92	6850	5.7	RXF	97	DRN	132S4	125	274
553	95	2.64	6650	6.3						
652	81	2.24*	6320	7.4						
747	70	1.96	6070	8.1						
893	59	1.64	5740	8.6						
1030	51	1.42	5490	8.9						

P_m = 5.5 kW										
n _a 1/min	M _a Nm	i	F _{Ra} ¹⁾ N	SEW f _B					m kg	
325	162	4.50*	6000	1.80						
386	136	3.78	5740	2.2						
420	125	3.48	5610	3.2						
473	111	3.09	5430	3.6	RX	87	DRN	132S4	92	271
529	99	2.76*	5260	4.1	RXF	87	DRN	132S4	97	272
589	89	2.48	5100	4.5						
678	77	2.15	4900	5.0						
450	117	3.25*	4200	1.55						
474	111	3.08*	4140	1.75						
542	97	2.70	4010	2.2						
602	87	2.43	3900	2.5	RX	77	DRN	132S4	76	269
686	77	2.13	3760	2.6	RXF	77	DRN	132S4	78	270
777	68	1.88*	3640	2.8						
877	60	1.67	3520	2.9						
1025	51	1.42	3360	3.0						
575	91	2.54	2540	1.30						
609	86	2.40*	2510	1.45						
715	73	2.04	2420	1.80	RX	67	DRN	132S4	66	267
787	67	1.86	2370	1.90	RXF	67	DRN	132S4	70	268
908	58	1.61	2290	1.95						
1045	50	1.40*	2210	2.1						
716	73	2.04	725	0.95						
761	69	1.92*	810	1.00	RX	57	DRN	132S4	64	265
884	59	1.65	990	1.15	RXF	57	DRN	132S4	65	266
990	53	1.48	1060	1.30						
1120	47	1.30	1200	1.35						

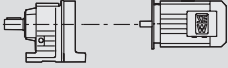

P_m = 7.5 kW										
n _a 1/min	M _a Nm	i	F _{Ra} ¹⁾ N	SEW f _B					m kg	
2.9	22700	503	120000	0.80						
3.4	19400	432	120000	0.95						
3.9	17000	376	120000	1.05	R	167R97	DRN	132M4	810	315
4.4	15100	335	120000	1.20	RF	167R97	DRN	132M4	820	315
4.8	13500	303	120000	1.30	RM	167R97	DRN	132M4	1020	315
5.3	12500	279	120000	1.45						
4.5	14800	326	52300	0.90						
5.2	12600	280	63300	1.00						
5.9	11200	247	65900	1.15	R	147R87	DRN	132M4	510	314
6.9	9670	214	68200	1.35	RF	147R87	DRN	132M4	510	314
7.8	8550	189	69700	1.50	RM	147R87	DRN	132M4	680	314
9.2	7190	159	71200	1.80						
7.8	9190	188.45	46300	0.85	R	137	DRN	132M4	315	308
8.4	8500	174.40*	51800	0.95	RF	137	DRN	132M4	335	309
9.4	7620	156.31	54200	1.05	RM	137	DRN	132M4	445	309
10	6880	141.12*	55600	1.15						
11	6250	128.18	56600	1.30						
13	5540	113.72	57700	1.45						
14	5030	103.20*	58400	1.60						
17	4320	88.70*	59200	1.85	R	137	DRN	132M4	315	308
18	3940	80.91*	59600	2.0	RF	137	DRN	132M4	335	309
20	3580	73.49	59900	2.2	RM	137	DRN	132M4	445	309
23	3180	65.20	60200	2.5						
25	2880	59.17*	60400	2.8						
29	2480	50.86*	60700	3.2						

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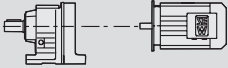

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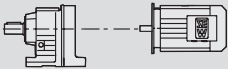

Helical gearmotors

R..DRN.. selection tables in kW

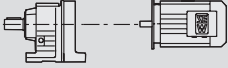

P_m = 7.5 kW										
n_a 1/min	M_a Nm	i	F_{Ra}¹⁾ N	SEW f_B					m kg	
16	4520	92.70	28200	0.95						
19	3830	78.57	31600	1.10						
20	3550	72.88	31100	1.20						
22	3200	65.60*	30500	1.35						
25	2890	59.41	29800	1.50	R	107	DRN	132M4	230	306
28	2570	52.68	29000	1.65	RF	107	DRN	132M4	235	307
31	2320	47.63	28300	1.85	RM	107	DRN	132M4	320	307
36	1960	40.37*	27200	2.2						
42	1720	35.26	26200	2.5						
50	1430	29.49	25000	3.0						
48	1500	30.77	25300	2.9	R	107	DRN	132M4	220	306
53	1340	27.58	24600	3.2	RF	107	DRN	132M4	230	307
59	1210	24.90*	23900	3.5	RM	107	DRN	132M4	315	307
65	1100	22.62	23300	3.9						
24	2920	59.92	21500	1.05	R	97	DRN	132M4	170	304
28	2590	53.21	22100	1.15	RF	97	DRN	132M4	190	305
31	2320	47.58	21600	1.30	RM	97	DRN	132M4	240	305
34	2080	42.78	21200	1.45						
40	1810	37.13	20600	1.65						
44	1620	33.25	20100	1.80	R	97	DRN	132M4	170	304
53	1340	27.58	19200	2.00	RF	97	DRN	132M4	190	305
					RM	97	DRN	132M4	240	305
46	1560	32.05	19900	1.65						
54	1320	27.19	19200	1.95	R	97	DRN	132M4	170	304
59	1220	25.03	18800	2.3	RF	97	DRN	132M4	185	305
66	1090	22.37	18300	2.5	RM	97	DRN	132M4	235	305
73	980	20.14	17800	2.7						
80	880	18.24	17300	2.8						
40	1790	36.84*	14700	0.85	R	87	DRN	132M4	130	301
45	1590	32.66*	15600	0.95	RF	87	DRN	132M4	135	302
53	1360	27.88	15200	1.10	RM	87	DRN	132M4	165	302
53	1350	27.84*	15200	1.15						
63	1140	23.40	14600	1.35						
68	1040	21.51	14400	1.45						
77	930	19.10	14000	1.55						
86	830	17.08*	13700	1.65	R	87	DRN	132M4	130	301
96	745	15.35	12600	1.80	RF	87	DRN	132M4	135	302
110	650	13.33	12900	1.95	RM	87	DRN	132M4	165	302
123	580	11.93	12500	2.1						
148	480	9.90*	11900	2.4						
161	445	9.14*	11800	2.7						
179	400	8.22	11500	2.9						
206	345	7.13	11000	3.1						
230	310	6.39	10700	3.3						
277	255	5.30*	10100	3.5						
78	910	18.80	5520	0.85						
82	860	17.82*	5910	0.90						
94	760	15.60	6760	0.95						
104	685	14.05	7300	1.05						
119	600	12.33	7850	1.15	R	77	DRN	132M4	100	298
135	530	10.88	7960	1.25	RF	77	DRN	132M4	110	299
152	470	9.64	7770	1.35	RM	77	DRN	132M4	135	299
171	415	8.59	7690	1.50						
190	375	7.74	7540	1.60						
216	330	6.79	7300	1.75						
245	290	5.99*	7060	1.85						
276	255	5.31*	6840	1.95						

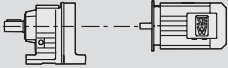

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P_m = 7.5 kW										
n _a 1/min	M _a Nm	i	F _{Ra} ¹⁾ N	SEW f _B					m kg	
116	615	12.70	4420	0.85						
127	560	11.54	5010	0.90						
147	485	10.00	5740	0.95						
169	420	8.70*	5900	1.05						
188	380	7.79	5600	1.00	R	67	DRN	132M4	97	295
199	355	7.36*	5760	1.05	RF	67	DRN	132M4	100	296
234	305	6.27	5570	1.10	RM	67	DRN	132M4	115	296
258	275	5.70	5450	1.10						
298	240	4.93	5270	1.20						
342	205	4.29	5100	1.30						
184	385	7.97	1120	0.90						
195	365	7.53	1410	0.95	R	57	DRN	132M4	91	292
229	310	6.41	2120	1.05	RF	57	DRN	132M4	94	293
252	280	5.82	2470	1.15	RM	57	DRN	132M4	105	293
291	245	5.05	2750	1.25						
334	210	4.39	2700	1.30						
222	320	6.63*	10000	1.40						
262	270	5.61	9620	1.65	RX	107	DRN	132M4	165	275
283	250	5.19	9420	2.7	RXF	107	DRN	132M4	185	276
316	225	4.65	9140	3.1						
350	200	4.20*	8890	4.0						
253	280	5.79	8030	1.50						
299	235	4.91	7700	1.65						
325	220	4.52	7530	2.7	RX	97	DRN	132M4	135	273
363	197	4.04	7310	3.0	RXF	97	DRN	132M4	140	274
403	178	3.64*	7110	3.4						
445	161	3.30	6910	3.7						
502	143	2.92	6680	4.2						
326	215	4.50*	5720	1.30						
388	185	3.78	5500	1.65						
422	170	3.48	5380	2.4						
476	151	3.09	5230	2.7						
532	135	2.76*	5080	3.0	RX	87	DRN	132M4	110	271
592	121	2.48	4940	3.4	RXF	87	DRN	132M4	115	272
682	105	2.15	4750	3.7						
761	94	1.93	4610	3.8						
918	78	1.60*	4370	4.0						
1055	68	1.39	4200	4.3						
452	159	3.25*	3890	1.15						
477	150	3.08*	3910	1.30						
545	132	2.70	3800	1.65						
604	118	2.43	3710	1.80	RX	77	DRN	132M4	94	269
689	104	2.13	3600	1.90	RXF	77	DRN	132M4	96	270
781	92	1.88*	3490	2.0						
881	81	1.67	3380	2.1						
1030	69	1.42	3240	2.2						
578	124	2.54	1590	0.95						
612	117	2.40*	1700	1.05						
718	100	2.04	1890	1.35	RX	67	DRN	132M4	85	267
790	91	1.86	2000	1.40	RXF	67	DRN	132M4	89	268
913	78	1.61	2120	1.45						
1050	68	1.40*	2070	1.50						

P_m = 9.2 kW										
n _a 1/min	M _a Nm	i	F _{Ra} ¹⁾ N	SEW f _B					m kg	
3.9	20900	376	120000	0.85						
4.4	18600	335	120000	0.95	R	167R97	DRN	132L4	820	315
4.9	16700	303	120000	1.10	RF	167R97	DRN	132L4	830	315
5.3	15400	279	120000	1.15	RM	167R97	DRN	132L4	1020	315

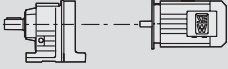

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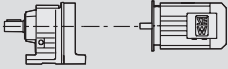

P_m = 9.2 kW										
n_a 1/min	M_a Nm	i	F_{Ra}¹⁾ N	SEW f_B					m kg	
5.2	15500	280	42500	0.85						
6.0	13700	247	61100	0.95	R	147R87	DRN	132L4	510	314
6.9	11800	214	64800	1.10	RF	147R87	DRN	132L4	520	314
7.8	10500	189	67000	1.25	RM	147R87	DRN	132L4	690	314
9.3	8830	159	69300	1.45						
9.0	9760	163.31	68100	1.35	R	147	DRN	132L4	450	310
10	8770	146.91	69400	1.50	RF	147	DRN	132L4	455	311
12	7160	119.86	71200	1.80	RM	147	DRN	132L4	620	311
13	6530	109.31	71800	2.00						
16	5650	94.60*	72500	2.3	R	147	DRN	132L4	450	310
18	4980	83.47	73000	2.6	RF	147	DRN	132L4	455	311
20	4300	72.09	73400	3.0	RM	147	DRN	132L4	620	311
22	4000	66.99	73500	3.2						
9.4	9340	156.31	43800	0.85	R	137	DRN	132L4	320	308
10	8430	141.12*	52100	0.95	RF	137	DRN	132L4	345	309
11	7660	128.18	54100	1.05	RM	137	DRN	132L4	455	309
13	6790	113.72	55700	1.20						
14	6160	103.20*	56800	1.30						
17	5300	88.70*	58000	1.50						
18	4830	80.91*	58600	1.65	R	137	DRN	132L4	320	308
20	4390	73.49	59100	1.80	RF	137	DRN	132L4	345	309
23	3890	65.20	59600	2.0	RM	137	DRN	132L4	455	309
25	3530	59.17*	59900	2.3						
29	3030	50.86*	60300	2.6						
33	2650	44.39	60600	3.0						
19	4690	78.57	26900	0.90						
20	4350	72.88	29200	1.00						
22	3920	65.60*	29200	1.10	R	107	DRN	132L4	235	306
25	3550	59.41	28700	1.20	RF	107	DRN	132L4	245	307
28	3140	52.68	28000	1.35	RM	107	DRN	132L4	330	307
31	2840	47.63	27400	1.50						
36	2410	40.37*	26400	1.80						
42	2100	35.26	25600	2.0						
50	1760	29.49	24500	2.4						
48	1830	30.77	24700	2.3	R	107	DRN	132L4	230	306
53	1640	27.58	24000	2.6	RF	107	DRN	132L4	235	307
59	1480	24.90*	23400	2.9	RM	107	DRN	132L4	325	307
65	1350	22.62	22800	3.2						
73	1190	20.07	22100	3.6						
28	3180	53.21	10800	0.95	R	97	DRN	132L4	180	304
31	2840	47.58	20600	1.05	RF	97	DRN	132L4	195	305
34	2550	42.78	20200	1.15	RM	97	DRN	132L4	250	305
40	2210	37.13	19800	1.35	R	97	DRN	132L4	180	304
44	1980	33.25	19300	1.45	RF	97	DRN	132L4	195	305
53	1640	27.58	18600	1.60	RM	97	DRN	132L4	250	305
59	1490	25.03	18200	1.90						
66	1330	22.37	17800	2.0	R	97	DRN	132L4	175	304
73	1200	20.14	17300	2.2	RF	97	DRN	132L4	195	305
81	1090	18.24	16900	2.3	RM	97	DRN	132L4	245	305
91	960	16.17	16400	2.5						
101	870	14.62	16000	2.6						
119	740	12.39	15300	3.0						
68	1280	21.51	13800	1.15						
77	1140	19.10	13500	1.25	R	87	DRN	132L4	135	301
86	1020	17.08*	13200	1.35	RF	87	DRN	132L4	145	302
96	910	15.35	12900	1.45	RM	87	DRN	132L4	175	302
110	795	13.33	12500	1.60						
123	710	11.93	12200	1.70						
148	590	9.90*	11600	2.00						
161	545	9.14*	11600	2.2						
179	490	8.22	11300	2.4						
206	425	7.13	10900	2.5						
230	380	6.39	10500	2.7						

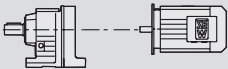

P_m = 9.2 kW										
n _a 1/min	M _a Nm	i	F _{Ra} ¹⁾ N	SEW f _B					m kg	
105	830	14.05	4880	0.85	R	77	DRN	132L4	110	298
119	735	12.33	5730	0.95	RF	77	DRN	132L4	115	299
135	650	10.88	6380	1.00	RM	77	DRN	132L4	140	299
152	575	9.64	6880	1.10						
190	460	7.74	6370	1.30	R	77	DRN	132L4	110	298
216	405	6.79	6770	1.45	RF	77	DRN	132L4	115	299
245	355	5.99*	6890	1.50	RM	77	DRN	132L4	140	299
277	315	5.31*	6690	1.60						
283	310	5.19	9200	2.2						
316	275	4.65	8940	2.5	RX	107	DRN	132L4	175	275
350	250	4.20*	8710	3.3	RXF	107	DRN	132L4	190	276
385	225	3.81	8490	3.6						
434	200	3.38	8220	4.1						
325	270	4.52	7330	2.2						
364	240	4.04	7130	2.5						
404	215	3.64*	6940	2.7						
446	197	3.30	6760	3.0						
503	175	2.92	6550	3.4	RX	97	DRN	132L4	140	273
556	158	2.64	6370	3.8	RXF	97	DRN	132L4	150	274
656	134	2.24*	6080	4.4						
751	117	1.96	5850	4.9						
898	98	1.64	5560	5.2						
1040	85	1.42	5320	5.4						
423	205	3.48	5200	1.95						
476	184	3.09	5060	2.2						
533	165	2.76*	4930	2.5						
592	148	2.48	4800	2.7	RX	87	DRN	132L4	120	271
682	129	2.15	4630	3.0	RXF	87	DRN	132L4	125	272
762	115	1.93	4500	3.1						
919	96	1.60*	4270	3.3						
1055	83	1.39	4110	3.5						
605	145	2.43	3070	1.50						
690	127	2.13	3210	1.55						
782	112	1.88*	3300	1.65	RX	77	DRN	132L4	100	269
882	100	1.67	3270	1.75	RXF	77	DRN	132L4	105	270
1035	85	1.42	3140	1.80						

P_m = 11.0 kW										
n _a 1/min	M _a Nm	i	F _{Ra} ¹⁾ N	SEW f _B					m kg	
5.0	19100	295	120000	0.95						
5.4	17800	270	120000	1.00	R	167R107	DRN	160M4	900	315
6.4	15000	229	120000	1.20	RF	167R107	DRN	160M4	910	315
7.4	13000	200	120000	1.35	RM	167R107	DRN	160M4	1100	315
8.7	11000	169	120000	1.65						
5.1	19500	291	120000	0.90	R	167R107	DRN	160M4	900	315
					RF	167R107	DRN	160M4	900	315
					RM	167R107	DRN	160M4	1100	315
4.4	22200	335	120000	0.80	R	167R97	DRN	160M4	860	315
4.9	20000	303	120000	0.90	RF	167R97	DRN	160M4	860	315
5.3	18400	279	120000	1.00	RM	167R97	DRN	160M4	1060	315
6.0	16400	247	29500	0.80						
6.9	14200	214	59800	0.90	R	147R87	DRN	160M4	550	314
7.8	12500	189	63500	1.05	RF	147R87	DRN	160M4	560	314
9.3	10500	159	67000	1.25	RM	147R87	DRN	160M4	720	314
6.4	16300	229.71	120000	1.10	R	167	DRN	160M4	730	312
7.9	13300	186.93*	120000	1.35	RF	167	DRN	160M4	730	313
					RM	167	DRN	160M4	930	313

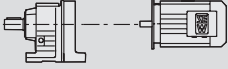

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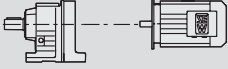

P_m = 11.0 kW										
n_a 1/min	M_a Nm	i	F_{Ra}¹⁾ N	SEW f_B					m kg	
9.6	10900	153.07	120000	1.65						
11	9980	139.98	120000	1.80	R	167	DRN	160M4	730	312
12	8680	121.81*	120000	2.1	RF	167	DRN	160M4	730	313
14	7660	107.49	120000	2.4	RM	167	DRN	160M4	930	313
16	6640	93.19	120000	2.7						
18	5910	82.91*	120000	3.0						
9.0	11600	163.31	65200	1.10	R	147	DRN	160M4	480	310
10	10400	146.91	67100	1.25	RF	147	DRN	160M4	490	311
12	8540	119.86	69700	1.50	RM	147	DRN	160M4	660	311
13	7790	109.31	70500	1.65						
16	6740	94.60*	71600	1.95						
18	5950	83.47	72200	2.2	R	147	DRN	160M4	480	310
20	5140	72.09	72900	2.5	RF	147	DRN	160M4	490	311
22	4770	66.99	73100	2.7	RM	147	DRN	160M4	660	311
24	4350	61.09	73300	3.0						
28	3770	52.87	73700	3.4						
10	10000	141.12*	27800	0.80						
11	9140	128.18	47100	0.90						
13	8100	113.72	53100	1.00						
14	7350	103.20*	54700	1.10						
17	6320	88.70*	56500	1.25						
18	5760	80.91*	57400	1.40	R	137	DRN	160M4	355	308
20	5240	73.49	58100	1.55	RF	137	DRN	160M4	375	309
23	4640	65.20	58800	1.70	RM	137	DRN	160M4	485	309
25	4210	59.17*	59300	1.90						
29	3620	50.86*	59800	2.2						
33	3160	44.39	60200	2.5						
39	2680	37.65	60600	3.0						
45	2340	32.91	60800	3.4						
22	4670	65.60*	27200	0.90						
25	4230	59.41	27500	1.00						
28	3750	52.68	27000	1.15	R	107	DRN	160M4	270	306
31	3390	47.63	26500	1.25	RF	107	DRN	160M4	275	307
36	2870	40.37*	25600	1.50	RM	107	DRN	160M4	365	307
42	2510	35.26	24900	1.70						
50	2100	29.49	23900	2.0						
48	2190	30.77	24100	1.95						
53	1960	27.58	23500	2.2	R	107	DRN	160M4	265	306
59	1770	24.90*	22900	2.4	RF	107	DRN	160M4	270	307
65	1610	22.62	22400	2.7	RM	107	DRN	160M4	355	307
73	1430	20.07	21700	3.0						
81	1290	18.21	21200	3.3						
34	3050	42.78	17800	1.00	R	97	DRN	160M4	210	304
40	2640	37.13	18900	1.15	RF	97	DRN	160M4	230	305
44	2370	33.25	18600	1.20	RM	97	DRN	160M4	280	305
53	1960	27.58	18000	1.35						
59	1780	25.03	17600	1.60	R	97	DRN	160M4	210	304
66	1590	22.37	17200	1.70	RF	97	DRN	160M4	225	305
73	1430	20.14	16900	1.80	RM	97	DRN	160M4	275	305
81	1300	18.24	16500	1.90						
91	1150	16.17	16000	2.1						
101	1040	14.62	15600	2.2						
119	880	12.39	15000	2.5	R	97	DRN	160M4	210	304
136	770	10.83	14500	2.7	RF	97	DRN	160M4	225	305
159	660	9.29	14200	3.1	RM	97	DRN	160M4	275	305
175	595	8.39	13800	3.4						
207	505	7.12	13100	3.9						
237	440	6.21	12600	4.3						
68	1530	21.51	13200	1.00	R	87	DRN	160M4	170	301
77	1360	19.10	13000	1.05	RF	87	DRN	160M4	175	302
86	1210	17.08*	12700	1.15	RM	87	DRN	160M4	205	302

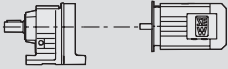

P_m = 11.0 kW										
n _a 1/min	M _a Nm	i	F _{Ra} ¹⁾ N	SEW f _B					m kg	
96	1090	15.35	12500	1.20						
111	950	13.33	12100	1.35						
123	850	11.93	11800	1.45						
149	705	9.90*	11300	1.65	R	87	DRN	160M4	170	301
161	650	9.14*	11400	1.85	RF	87	DRN	160M4	175	302
179	585	8.22	11100	2.00	RM	87	DRN	160M4	205	302
206	505	7.13	10700	2.1						
231	455	6.39	10400	2.2						
278	375	5.30*	9850	2.4						
135	775	10.88	4400	0.85	R	77	DRN	160M4	140	298
153	685	9.64	5130	0.90	RF	77	DRN	160M4	150	299
					RM	77	DRN	160M4	175	299
190	550	7.74	4740	1.10	R	77	DRN	160M4	140	298
217	480	6.79	5340	1.20	RF	77	DRN	160M4	150	299
246	425	5.99*	5800	1.25	RM	77	DRN	160M4	175	299
277	375	5.31*	6140	1.35						
284	370	5.19	8950	1.90						
317	330	4.65	8720	2.1						
351	295	4.20*	8510	2.8	RX	107	DRN	160M4	210	275
386	270	3.81	8300	3.0	RXF	107	DRN	160M4	225	276
435	240	3.38	8050	3.4						
480	215	3.07	7840	3.8						
558	188	2.64*	7530	4.4						
326	320	4.52	7120	1.85						
364	285	4.04	6940	2.1						
405	255	3.64*	6770	2.3						
447	235	3.30	6600	2.5						
504	205	2.92	6410	2.8	RX	97	DRN	160M4	175	273
557	188	2.64	6240	3.2	RXF	97	DRN	160M4	185	274
658	160	2.24*	5970	3.7						
753	140	1.96	5750	4.1						
900	117	1.64	5470	4.3						
1040	101	1.42	5240	4.5						
424	245	3.48	5000	1.65						
477	220	3.09	4890	1.85						
534	197	2.76*	4770	2.1						
594	177	2.48	4660	2.3	RX	87	DRN	160M4	150	271
684	154	2.15	4500	2.5	RXF	87	DRN	160M4	155	272
764	138	1.93	4380	2.6						
921	114	1.60*	4170	2.8						
1060	99	1.39	4020	2.9						
607	173	2.43	1980	1.25						
691	152	2.13	2220	1.30	RX	77	DRN	160M4	135	269
784	134	1.88*	2400	1.40	RXF	77	DRN	160M4	135	270
884	119	1.67	2520	1.45						
1035	101	1.42	2630	1.55						

P_m = 15.0 kW										
n _a 1/min	M _a Nm	i	F _{Ra} ¹⁾ N	SEW f _B					m kg	
6.4	20600	229	120000	0.85	R	167R107	DRN	160L4	920	315
7.4	17900	200	120000	1.00	RF	167R107	DRN	160L4	920	315
8.7	15100	169	120000	1.20	RM	167R107	DRN	160L4	1120	315
6.5	20700	227	120000	0.85	R	167R107	DRN	160L4	910	315
7.4	18000	198	120000	1.00	RF	167R107	DRN	160L4	920	315
					RM	167R107	DRN	160L4	1110	315
6.4	22300	229.71	120000	0.80	R	167	DRN	160L4	740	312
7.9	18100	186.93*	120000	1.00	RF	167	DRN	160L4	750	313
					RM	167	DRN	160L4	940	313

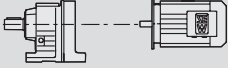

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P_m = 15.0 kW										
n_a 1/min	M_a Nm	i	F_{Ra}¹⁾ N	SEW f_B					m kg	
9.6	14800	153.07	120000	1.20						
11	13600	139.98	120000	1.30						
12	11800	121.81*	120000	1.50						
14	10400	107.49	120000	1.70	R	167	DRN	160L4	740	312
16	9050	93.19	120000	2.00	RF	167	DRN	160L4	750	313
18	8050	82.91*	120000	2.2	RM	167	DRN	160L4	940	313
20	7160	73.70*	120000	2.5						
22	6540	67.40	120000	2.8						
9.0	15800	163.31	38500	0.80	R	147	DRN	160L4	495	310
10	14200	146.91	59000	0.90	RF	147	DRN	160L4	500	311
12	11600	119.86	65200	1.10	RM	147	DRN	160L4	670	311
13	10600	109.31	66900	1.20						
16	9190	94.60*	68900	1.40	R	147	DRN	160L4	495	310
18	8110	83.47	70200	1.60	RF	147	DRN	160L4	500	311
20	7000	72.09	71300	1.85	RM	147	DRN	160L4	670	311
22	6500	66.99	71800	2.0						
24	5930	61.09	72300	2.2						
28	5130	52.87	72900	2.5						
32	4530	46.65	73200	2.9						
14	10000	103.20*	28800	0.80	R	137	DRN	160L4	370	308
17	8620	88.70*	51300	0.95	RF	137	DRN	160L4	390	309
18	7860	80.91*	53700	1.00	RM	137	DRN	160L4	500	309
20	7140	73.49	55100	1.10						
23	6330	65.20	56500	1.25						
25	5740	59.17*	57400	1.40	R	137	DRN	160L4	370	308
29	4940	50.86*	58500	1.60	RF	137	DRN	160L4	390	309
33	4310	44.39	59200	1.85	RM	137	DRN	160L4	500	309
39	3650	37.65	59800	2.2						
45	3190	32.91	60200	2.5						
53	2700	27.83	60500	2.8						
31	4620	47.63	24400	0.95	R	107	DRN	160L4	285	306
37	3920	40.37*	23900	1.10	RF	107	DRN	160L4	290	307
42	3420	35.26	23400	1.25	RM	107	DRN	160L4	380	307
50	2860	29.49	22600	1.50						
48	2990	30.77	22800	1.45	R	107	DRN	160L4	280	306
53	2680	27.58	22300	1.60	RF	107	DRN	160L4	285	307
59	2410	24.90*	21800	1.80	RM	107	DRN	160L4	375	307
65	2190	22.62	21400	1.95						
73	1940	20.07	20800	2.2						
81	1760	18.21	20400	2.4						
94	1520	15.65	19600	2.8						
108	1320	13.66	19000	3.2						
53	2680	27.58	16500	1.00	R	97	DRN	160L4	230	304
					RF	97	DRN	160L4	245	305
					RM	97	DRN	160L4	295	305
59	2430	25.03	16300	1.15	R	97	DRN	160L4	225	304
66	2170	22.37	16100	1.25	RF	97	DRN	160L4	240	305
73	1950	20.14	15800	1.35	RM	97	DRN	160L4	295	305
81	1770	18.24	15500	1.40						
91	1570	16.17	15200	1.55						
101	1420	14.62	14900	1.60						
119	1200	12.39	14400	1.80						
136	1050	10.83	13900	2.00						
159	900	9.29	13800	2.2						
176	810	8.39	13400	2.5						
207	690	7.12	12800	2.9						
237	600	6.21	12300	3.1						
86	1650	17.08*	11600	0.85	R	87	DRN	160L4	185	301
96	1490	15.35	11500	0.90	RF	87	DRN	160L4	190	302
111	1290	13.33	11300	1.00	RM	87	DRN	160L4	220	302
124	1150	11.93	11100	1.05						

P_m = 15.0 kW										
n _a 1/min	M _a Nm	i	F _{Ra} ¹⁾ N	SEW f _B					m kg	
149	960	9.90*	10700	1.25						
161	880	9.14*	10900	1.35						
179	795	8.22	10700	1.45	R	87	DRN	160L4	185	301
207	690	7.13	10300	1.55	RF	87	DRN	160L4	190	302
231	620	6.39	10000	1.65	RM	87	DRN	160L4	220	302
278	515	5.30*	9570	1.75						
284	500	5.19	8420	1.40						
317	450	4.65	8240	1.55						
351	405	4.20*	8080	2.0						
386	370	3.81	7910	2.2						
436	325	3.38	7690	2.5						
480	295	3.07	7520	2.8	RX	107	DRN	160L4	225	275
558	255	2.64*	7240	3.2	RXF	107	DRN	160L4	240	276
640	220	2.30	6990	3.7						
754	190	1.95	6690	4.0						
863	166	1.71	6450	4.2						
1020	140	1.44	6150	4.6						
326	435	4.52	6650	1.35						
365	390	4.04	6520	1.50						
405	350	3.64*	6380	1.70						
447	320	3.30	6250	1.85						
504	280	2.92	6100	2.1	RX	97	DRN	160L4	190	273
558	255	2.64	5960	2.3	RXF	97	DRN	160L4	200	274
658	215	2.24*	5720	2.7						
753	190	1.96	5530	3.0						
901	159	1.64	5280	3.2						
1040	138	1.42	5080	3.3						
424	335	3.48	4310	1.20						
477	295	3.09	4500	1.35						
534	265	2.76*	4420	1.50						
594	240	2.48	4340	1.70	RX	87	DRN	160L4	165	271
684	205	2.15	4220	1.85	RXF	87	DRN	160L4	170	272
764	187	1.93	4130	1.90						
921	155	1.60*	3960	2.0						
1060	135	1.39	3830	2.1						

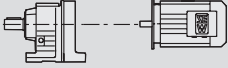

P_m = 18.5 kW										
n _a 1/min	M _a Nm	i	F _{Ra} ¹⁾ N	SEW f _B					m kg	
7.9	22300	186.93*	120000	0.80						
9.7	18200	153.07	120000	1.00	R	167	DRN	180M4	770	312
11	16700	139.98	120000	1.10	RF	167	DRN	180M4	770	313
12	14500	121.81*	120000	1.25	RM	167	DRN	180M4	970	313
14	12800	107.49	120000	1.40						
16	11100	93.19	120000	1.60						
18	9910	82.91*	120000	1.80	R	167	DRN	180M4	770	312
20	8800	73.70*	120000	2.0	RF	167	DRN	180M4	770	313
22	8050	67.40	120000	2.2	RM	167	DRN	180M4	970	313
25	7000	58.65	120000	2.6						
12	14300	119.86	58400	0.90	R	147	DRN	180M4	520	310
14	13000	109.31	62500	1.00	RF	147	DRN	180M4	530	311
16	11300	94.60*	65800	1.15	RM	147	DRN	180M4	690	311
18	9970	83.47	67800	1.30						
20	8610	72.09	69600	1.50						
22	8000	66.99	70300	1.60						
24	7300	61.09	71000	1.80	R	147	DRN	180M4	520	310
28	6310	52.87	71900	2.1	RF	147	DRN	180M4	530	311
32	5570	46.65	72500	2.3	RM	147	DRN	180M4	690	311
37	4810	40.29	73100	2.7						
18	9670	80.91*	37500	0.85	R	137	DRN	180M4	390	308
20	8780	73.49	50600	0.90	RF	137	DRN	180M4	415	309
23	7790	65.20	53800	1.05	RM	137	DRN	180M4	530	309
25	7070	59.17*	55200	1.15						

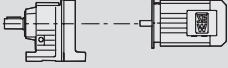

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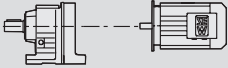

P_m = 18.5 kW										
n_a 1/min	M_a Nm	i	F_{Ra}¹⁾ N	SEW f_B					m kg	
29	6070	50.86*	56900	1.30						
33	5300	44.39	58000	1.50	R	137	DRN	180M4	390	308
39	4500	37.65	59000	1.80	RF	137	DRN	180M4	415	309
45	3930	32.91	59600	2.0	RM	137	DRN	180M4	530	309
53	3320	27.83	60100	2.3						
50	3530	29.57*	59900	2.2						
61	2880	24.12	60400	2.8	R	137	DRN	180M4	380	308
67	2620	22.00*	60600	3.0	RF	137	DRN	180M4	405	309
78	2270	19.04*	60800	3.5	RM	137	DRN	180M4	520	309
88	2000	16.80*	60900	4.0						
37	4820	40.37*	22100	0.90	R	107	DRN	180M4	305	306
42	4210	35.26	22000	1.00	RF	107	DRN	180M4	310	307
50	3520	29.49	21500	1.20	RM	107	DRN	180M4	400	307
59	2970	24.90*	20900	1.45						
65	2700	22.62	20500	1.60						
74	2390	20.07	20100	1.80						
81	2170	18.21	19700	2.00	R	107	DRN	180M4	300	306
94	1870	15.65	19000	2.3	RF	107	DRN	180M4	305	307
108	1630	13.66	18400	2.6	RM	107	DRN	180M4	395	307
128	1380	11.59	17700	3.1						
146	1210	10.13	17100	3.6						
188	930	7.86	16300	3.2						
222	795	6.66	15500	3.7						
73	2400	20.14	14900	1.10						
81	2180	18.24	14700	1.15						
91	1930	16.17	14400	1.25						
101	1740	14.62	14200	1.30						
119	1480	12.39	13800	1.50	R	97	DRN	180M4	245	304
137	1290	10.83	13400	1.60	RF	97	DRN	180M4	265	305
159	1100	9.29	13400	1.85	RM	97	DRN	180M4	315	305
176	1000	8.39	13100	2.0						
208	850	7.12	12500	2.4						
238	740	6.21	12100	2.5						
284	620	5.20	11500	2.9						
328	535	4.50*	11100	3.0						
111	1590	13.33	10500	0.80						
124	1420	11.93	10400	0.85						
149	1180	9.90*	10200	1.00	R	87	DRN	180M4	205	301
162	1090	9.14*	10500	1.10	RF	87	DRN	180M4	215	302
180	980	8.22	10300	1.20	RM	87	DRN	180M4	245	302
207	850	7.13	10000	1.25						
231	760	6.39	9750	1.35						
279	630	5.30*	9330	1.45						
352	500	4.20*	7700	1.65						
387	455	3.81	7560	1.80						
437	400	3.38	7390	2.0						
481	365	3.07	7240	2.3						
560	315	2.64*	6990	2.6	RX	107	DRN	180M4	245	275
641	275	2.30	6770	3.0	RXF	107	DRN	180M4	260	276
756	230	1.95	6500	3.3						
865	200	1.71	6280	3.4						
1025	173	1.44	6000	3.7						
406	435	3.64*	6050	1.35						
448	390	3.30	5950	1.50						
506	345	2.92	5820	1.70						
559	315	2.64	5700	1.90	RX	97	DRN	180M4	215	273
660	265	2.24*	5500	2.2	RXF	97	DRN	180M4	220	274
755	230	1.96	5340	2.4						
903	196	1.64	5110	2.6						
1045	169	1.42	4930	2.7						
536	325	2.76*	3090	1.25						
596	295	2.48	3380	1.35						
686	255	2.15	3670	1.50	RX	87	DRN	180M4	190	271
766	230	1.93	3850	1.55	RXF	87	DRN	180M4	195	272
924	191	1.60*	3760	1.65						
1060	166	1.39	3660	1.75						



P_m = 22 kW										
n_a 1/min	M_a Nm	i	F_{Ra}¹⁾ N	SEW f_B					m kg	
9.6	21700	153.07	120000	0.85	R	167	DRN	180L4	780	312
11	19900	139.98	120000	0.90	RF	167	DRN	180L4	790	313
12	17300	121.81*	120000	1.05	RM	167	DRN	180L4	980	313
14	15200	107.49	120000	1.20						
16	13200	93.19	120000	1.35						
18	11700	82.91*	120000	1.55	R	167	DRN	180L4	780	312
20	10400	73.70*	120000	1.70	RF	167	DRN	180L4	790	313
22	9580	67.40	120000	1.90	RM	167	DRN	180L4	980	313
25	8340	58.65	120000	2.2						
29	7360	51.76	120000	2.4						
33	6380	44.87	120000	2.8						
14	15500	109.31	43100	0.85	R	147	DRN	180L4	530	310
16	13400	94.60*	61700	0.95	RF	147	DRN	180L4	540	311
18	11800	83.47	64800	1.10	RM	147	DRN	180L4	710	311
20	10200	72.09	67400	1.25						
22	9520	66.99	68400	1.35						
24	8680	61.09	69500	1.50						
28	7520	52.87	70800	1.75	R	147	DRN	180L4	530	310
32	6630	46.65	71700	1.95	RF	147	DRN	180L4	540	311
37	5730	40.29	72400	2.3	RM	147	DRN	180L4	710	311
41	5060	35.64	72900	2.6						
49	4260	29.95	73400	3.0						
23	9270	65.20	44900	0.85	R	137	DRN	180L4	410	308
25	8410	59.17*	52200	0.95	RF	137	DRN	180L4	430	309
29	7230	50.86*	54900	1.10	RM	137	DRN	180L4	540	309
33	6310	44.39	56500	1.25						
39	5350	37.65	58000	1.50	R	137	DRN	180L4	410	308
45	4680	32.91	58800	1.70	RF	137	DRN	180L4	430	309
53	3950	27.83	59500	1.95	RM	137	DRN	180L4	540	309
50	4200	29.57*	59300	1.85	R	137	DRN	180L4	400	308
61	3430	24.12	60000	2.3	RF	137	DRN	180L4	420	309
67	3120	22.00*	60200	2.6	RM	137	DRN	180L4	530	309
78	2700	19.04*	60500	3.0						
88	2380	16.80*	60700	3.4	R	137	DRN	180L4	400	308
102	2060	14.51	60900	3.9	RF	137	DRN	180L4	420	309
115	1820	12.83	61000	4.4	RM	137	DRN	180L4	530	309
42	5010	35.26	11500	0.85	R	107	DRN	180L4	320	306
50	4190	29.49	20400	1.05	RF	107	DRN	180L4	330	307
					RM	107	DRN	180L4	415	307
59	3540	24.90*	20000	1.20	R	107	DRN	180L4	315	306
65	3210	22.62	19700	1.35	RF	107	DRN	180L4	320	307
74	2850	20.07	19300	1.50	RM	107	DRN	180L4	410	307
81	2590	18.21	19000	1.65						
94	2220	15.65	18400	1.95						
108	1940	13.66	17900	2.2						
127	1640	11.59	17300	2.6	R	107	DRN	180L4	315	306
146	1440	10.13	16800	3.0	RF	107	DRN	180L4	320	307
172	1210	8.56	16100	3.5	RM	107	DRN	180L4	410	307
188	1110	7.86	16000	2.7						
222	940	6.66	15300	3.1						
254	820	5.82	14800	3.6						
73	2860	20.14	14000	0.90	R	97	DRN	180L4	260	304
81	2590	18.24	13900	0.95	RF	97	DRN	180L4	280	305
91	2300	16.17	13700	1.05	RM	97	DRN	180L4	330	305
101	2080	14.62	13500	1.10						
119	1760	12.39	13200	1.25						
136	1530	10.83	12900	1.35						
159	1320	9.29	13100	1.55	R	97	DRN	180L4	260	304
176	1190	8.39	12800	1.70	RF	97	DRN	180L4	280	305
208	1010	7.12	12300	2.00	RM	97	DRN	180L4	330	305
238	880	6.21	11900	2.1						
284	735	5.20	11300	2.4						
328	640	4.50*	10900	2.6						

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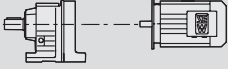

P_m = 22 kW										
n _a 1/min	M _a Nm	i	F _{Ra} ¹⁾ N	SEW f _B					m kg	
149	1400	9.90*	9630	0.85						
162	1300	9.14*	10100	0.95						
180	1160	8.22	9940	1.00	R	87	DRN	180L4	220	301
207	1010	7.13	9680	1.05	RF	87	DRN	180L4	230	302
231	900	6.39	9470	1.10	RM	87	DRN	180L4	260	302
279	750	5.30*	9100	1.20						
352	595	4.20*	7330	1.40						
387	540	3.81	7220	1.55						
436	480	3.38	7080	1.70						
481	435	3.07	6950	1.90	RX	107	DRN	180L4	260	275
559	375	2.64*	6740	2.2	RXF	107	DRN	180L4	280	276
641	325	2.30	6550	2.5						
756	275	1.95	6310	2.8						
865	240	1.71	6100	2.9						
1025	205	1.44	5860	3.1						
406	515	3.64*	5720	1.15						
448	465	3.30	5640	1.25						
505	415	2.92	5550	1.45						
559	375	2.64	5460	1.60	RX	97	DRN	180L4	230	273
659	315	2.24*	5290	1.85	RXF	97	DRN	180L4	235	274
755	275	1.96	5150	2.0						
903	230	1.64	4950	2.2						
1045	200	1.42	4780	2.3						
535	390	2.76*	1320	1.05						
595	350	2.48	1760	1.15						
686	305	2.15	2200	1.25	RX	87	DRN	180L4	205	271
766	270	1.93	2490	1.30	RXF	87	DRN	180L4	210	272
923	225	1.60*	2790	1.40						
1060	198	1.39	3060	1.45						

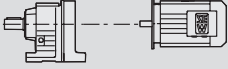

P_m = 30 kW										
n _a 1/min	M _a Nm	i	F _{Ra} ¹⁾ N	SEW f _B					m kg	
14	20800	107.49	120000	0.85	R	167	DRN	200L4	890	312
16	18000	93.19	120000	1.00	RF	167	DRN	200L4	900	313
18	16000	82.91*	120000	1.10	RM	167	DRN	200L4	1090	313
20	14200	73.70*	120000	1.25						
22	13000	67.40	120000	1.40						
25	11300	58.65	120000	1.60						
29	10000	51.76	120000	1.80	R	167	DRN	200L4	890	312
33	8680	44.87	120000	2.1	RF	167	DRN	200L4	900	313
37	7720	39.92	120000	2.3	RM	167	DRN	200L4	1090	313
43	6660	34.41	120000	2.7						
53	5410	27.96	120000	3.3						
62	4580	23.71	120000	3.9						
18	16100	83.47	34200	0.80	R	147	DRN	200L4	640	310
21	13900	72.09	60600	0.95	RF	147	DRN	200L4	650	311
22	12900	66.99	62700	1.00	RM	147	DRN	200L4	820	311
24	11800	61.09	64900	1.10						
28	10200	52.87	67400	1.25						
32	9030	46.65	69100	1.45	R	147	DRN	200L4	640	310
37	7790	40.29	70500	1.65	RF	147	DRN	200L4	650	311
42	6890	35.64	71400	1.90	RM	147	DRN	200L4	820	311
49	5790	29.95	72400	2.2						
61	4680	24.19	73200	2.5						
72	3950	20.44	73600	3.0	R	147	DRN	200L4	630	310
82	3490	18.04	73800	3.0	RF	147	DRN	200L4	640	311
95	3020	15.64	74000	4.3	RM	147	DRN	200L4	810	311
29	9840	50.86*	33600	0.80						
33	8590	44.39	51400	0.95	R	137	DRN	200L4	510	308
39	7280	37.65	54800	1.10	RF	137	DRN	200L4	540	309
45	6370	32.91	56500	1.25	RM	137	DRN	200L4	650	309
53	5380	27.83	57900	1.45						

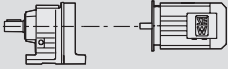

P_m = 30 kW											
n _a 1/min	M _a Nm	i	F _{Ra} ¹⁾ N	SEW f _B					m kg		
61	4660	24.12	58800	1.70	R	137	DRN	200L4	500	308	
67	4250	22.00*	59200	1.90		RF	137	DRN	200L4	530	309
78	3680	19.04*	59800	2.2		RM	137	DRN	200L4	640	309
88	3250	16.80*	60200	2.5							
102	2800	14.51	59500	2.8	R	137	DRN	200L4	500	308	
115	2480	12.83	58300	3.2		RF	137	DRN	200L4	530	309
137	2080	10.79	56600	3.8		RM	137	DRN	200L4	640	309
195	1460	7.59	53200	3.5							
232	1230	6.38	51200	4.1							
74	3880	20.07	17600	1.10	R	107	DRN	200L4	425	306	
81	3520	18.21	17400	1.20							
95	3020	15.65	17100	1.40							
108	2640	13.66	16800	1.65							
128	2240	11.59	16300	1.90							
146	1960	10.13	15900	2.2							
173	1650	8.56	15300	2.6							
188	1520	7.86	15500	1.95							
222	1280	6.66	14800	2.3							
254	1120	5.82	14300	2.6							
301	950	4.92	13700	3.0							
101	2830	14.62	12000	0.80	R	97	DRN	200L4	370	304	
119	2390	12.39	11900	0.90							
137	2090	10.83	11800	1.00							
159	1790	9.29	12300	1.15							
176	1620	8.39	12000	1.25							
208	1370	7.12	11700	1.45	R	97	DRN	200L4	370	304	
238	1200	6.21	11300	1.55							
285	1000	5.20	10900	1.75							
329	870	4.50*	10500	1.85							
437	655	3.38	6370	1.25	RX	107	DRN	200L4	370	275	
482	590	3.07	6300	1.40							
561	510	2.64*	6180	1.60							
642	445	2.30	6050	1.85							
757	375	1.95	5870	2.0							
866	330	1.71	5710	2.1							
1025	275	1.44	5520	2.3							
506	565	2.92	3170	1.05	RX	97	DRN	200L4	335	273	
560	510	2.64	3600	1.15							
661	430	2.24*	4090	1.35							
756	375	1.96	4480	1.50							
904	315	1.64	4570	1.60							
1045	270	1.42	4450	1.65							

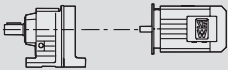

P_m = 37 kW																
n _a 1/min	M _a Nm	i	F _{Ra} ¹⁾ N	SEW f _B					m kg							
16	22200	93.19	120000	0.80	R	167	DRN	225S4	920	312						
18	19700	82.91*	120000	0.90												
20	17500	73.70*	120000	1.00												
22	16000	67.40	120000	1.10												
25	13900	58.65	120000	1.30												
29	12300	51.76	120000	1.45												
33	10600	44.87	120000	1.70												
37	9510	39.92	120000	1.90												
43	8200	34.41	120000	2.2												
53	6660	27.96	120000	2.7												
48	7320	30.71	120000	1.35							R	167	DRN	225S4	910	312
60	5850	24.57	120000	2.4												
68	5200	21.85	120000	2.5												
78	4530	19.03	120000	3.5												
87	4040	16.98	120000	3.7												

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P_m = 37 kW											
n _a 1/min	M _a Nm	i	F _{Ra} ¹⁾ N	SEW f _B					m kg		
22	15900	66.99	37000	0.80	R	147	DRN	225S4	670	310	
24	14500	61.09	55600	0.90	RF	147	DRN	225S4	680	311	
28	12600	52.87	63400	1.05	RM	147	DRN	225S4	850	311	
32	11100	46.65	66100	1.15	R RF RM	147	DRN	225S4	670	310	
37	9600	40.29	68300	1.35		147	DRN	225S4	680	311	
42	8490	35.64	69700	1.55		147	DRN	225S4	850	311	
49	7140	29.95	71200	1.80		147	DRN	225S4			
61	5760	24.19	72400	2.1							
73	4870	20.44	73000	2.5	R	147	DRN	225S4	660	310	
82	4290	18.04	73400	2.4	RF	147	DRN	225S4	670	311	
95	3720	15.64	73700	3.5	RM	147	DRN	225S4	840	311	
107	3310	13.91	73900	3.8	R	147	DRN	225S4	660	310	
					RF	147	DRN	225S4	670	311	
					RM	147	DRN	225S4	840	311	
39	8970	37.65	49600	0.90	R	137	DRN	225S4	550	308	
45	7840	32.91	53700	1.00	RF	137	DRN	225S4	570	309	
53	6630	27.83	56000	1.15	RM	137	DRN	225S4	680	309	
61	5750	24.12	57400	1.40	R RF RM	137	DRN	225S4	540	308	
67	5240	22.00*	58100	1.55		137	DRN	225S4	560	309	
78	4530	19.04*	57800	1.75		137	DRN	225S4	670	309	
88	4000	16.80*	57300	2.0							
102	3450	14.51	56500	2.3	R RF RM	137	DRN	225S4	540	308	
115	3050	12.83	55700	2.6		137	DRN	225S4	560	309	
137	2570	10.79	54400	3.1		137	DRN	225S4	670	309	
170	2070	8.71	52500	3.8							
195	1800	7.59	51800	2.8							
232	1520	6.38	50000	3.4							
288	1220	5.15	47700	3.7							
74	4780	20.07	16100	0.90		R RF RM	107	DRN	225S4	455	306
81	4340	18.21	16100	1.00			107	DRN	225S4	460	307
95	3730	15.65	15900	1.15	107		DRN	225S4	550	307	
108	3250	13.66	15700	1.30							
128	2760	11.59	15400	1.55							
146	2410	10.13	15100	1.80							
173	2040	8.56	14700	2.1							
189	1870	7.86	15000	1.60							
222	1580	6.66	14400	1.85							
254	1380	5.82	14000	2.1							
301	1170	4.92	13400	2.5							
438	800	3.38	4530	1.05	RX RXF		107	DRN	225S4	400	275
483	730	3.07	5010	1.15		107	DRN	225S4	420	276	
561	625	2.64*	5580	1.30							
643	545	2.30	5610	1.50							
758	465	1.95	5480	1.65							
868	405	1.71	5370	1.75							
1025	340	1.44	5220	1.85							

P_m = 45 kW										
n _a 1/min	M _a Nm	i	F _{Ra} ¹⁾ N	SEW f _B					m kg	
20	21300	73.70*	120000	0.85	R RF RM	167	DRN	225M4	920	312
22	19500	67.40	120000	0.90		167	DRN	225M4	930	313
25	17000	58.65	120000	1.05		167	DRN	225M4	1120	313
29	15000	51.76	120000	1.20						
33	13000	44.87	120000	1.40	R RF RM	167	DRN	225M4	920	312
37	11500	39.92	120000	1.55		167	DRN	225M4	930	313
43	9970	34.41	120000	1.80		167	DRN	225M4	1120	313
53	8100	27.96	120000	2.2		167	DRN	225M4		
62	6870	23.71	120000	2.6						

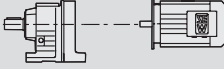

P_m = 45 kW										
n _a 1/min	M _a Nm	i	F _{Ra} ¹⁾ N	SEW f _B					m kg	
48	8900	30.71	120000	1.10						
60	7120	24.57	120000	1.95	R	167	DRN	225M4	910	312
68	6330	21.85	120000	2.0	RF	167	DRN	225M4	920	313
78	5510	19.03	120000	2.9	RM	167	DRN	225M4	1120	313
87	4920	16.98	120000	3.0						
28	15300	52.87	46000	0.85						
32	13500	46.65	61600	0.95	R	147	DRN	225M4	670	310
37	11600	40.29	65100	1.10	RF	147	DRN	225M4	680	311
42	10300	35.64	67300	1.25	RM	147	DRN	225M4	850	311
49	8680	29.95	69500	1.50						
61	7010	24.19	71300	1.70						
73	5920	20.44	72300	2.0	R	147	DRN	225M4	660	310
82	5220	18.04	72800	2.0	RF	147	DRN	225M4	670	311
95	4530	15.64	73200	2.9	RM	147	DRN	225M4	840	311
107	4030	13.91	73500	3.1						
124	3470	11.99	73800	3.7						
204	2100	7.25	74300	4.1						
45	9540	32.91	40100	0.85	R	137	DRN	225M4	550	308
53	8060	27.83	51300	0.95	RF	137	DRN	225M4	570	309
					RM	137	DRN	225M4	680	309
61	6990	24.12	52500	1.15	R	137	DRN	225M4	540	308
67	6370	22.00*	53000	1.25	RF	137	DRN	225M4	560	309
78	5520	19.04*	53400	1.45	RM	137	DRN	225M4	670	309
88	4870	16.80*	53400	1.65						
102	4200	14.51	53100	1.90						
115	3720	12.83	52700	2.2	R	137	DRN	225M4	540	308
137	3120	10.79	51900	2.6	RF	137	DRN	225M4	560	309
170	2520	8.71	50500	3.1	RM	137	DRN	225M4	670	309
195	2200	7.59	50100	2.3						
232	1840	6.38	48600	2.8						
288	1490	5.15	46600	3.1						
95	4530	15.65	14600	0.95						
108	3960	13.66	14600	1.10	R	107	DRN	225M4	455	306
128	3350	11.59	14400	1.30	RF	107	DRN	225M4	460	307
146	2930	10.13	14300	1.45	RM	107	DRN	225M4	550	307
173	2480	8.56	14000	1.75						
189	2270	7.86	14400	1.30						
222	1930	6.66	13900	1.55						
254	1680	5.82	13500	1.75						
301	1420	4.92	13000	2.0						
438	980	3.38	1450	0.85						
483	890	3.07	2160	0.95						
561	765	2.64*	3040	1.10	RX	107	DRN	225M4	400	275
643	665	2.30	3700	1.25	RXF	107	DRN	225M4	420	276
758	565	1.95	4250	1.35						
868	495	1.71	4590	1.40						
1025	415	1.44	4880	1.55						

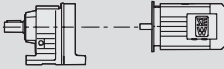

P_m = 55 kW										
n _a 1/min	M _a Nm	i	F _{Ra} ¹⁾ N	SEW f _B					m kg	
25	20700	58.65	120000	0.85						
29	18300	51.76	120000	1.00						
33	15900	44.87	120000	1.15	R	167	DRN	250M4	1070	312
37	14100	39.92	120000	1.25	RF	167	DRN	250M4	1080	313
43	12100	34.41	120000	1.50	RM	167	DRN	250M4	1270	313
53	9900	27.96	120000	1.80						
62	8400	23.71	120000	2.1						
60	8700	24.57	120000	1.60	R	167	DRN	250M4	1070	312
68	7740	21.85	120000	1.70	RF	167	DRN	250M4	1070	313
78	6740	19.03	120000	2.4	RM	167	DRN	250M4	1270	313

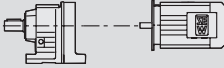

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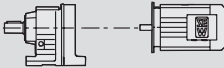

P_m = 55 kW										
n _a 1/min	M _a Nm	i	F _{Ra} ¹⁾ N	SEW f _B					m kg	
87	6010	16.98	120000	2.5	R	167	DRN	250M4	1070	312
102	5120	14.48	120000	3.5	RF	167	DRN	250M4	1070	313
124	4250	11.99	120000	4.0	RM	167	DRN	250M4	1270	313
32	16500	46.65	28000	0.80						
37	14200	40.29	58900	0.90	R	147	DRN	250M4	820	310
42	12600	35.64	63400	1.05	RF	147	DRN	250M4	830	311
49	10600	29.95	66900	1.20	RM	147	DRN	250M4	1000	311
61	8570	24.19	69700	1.40						
73	7240	20.44	71100	1.65	R	147	DRN	250M4	810	310
82	6390	18.04	71900	1.65	RF	147	DRN	250M4	820	311
95	5540	15.64	72600	2.4	RM	147	DRN	250M4	990	311
107	4930	13.91	73000	2.6						
124	4240	11.99	73400	3.1	R	147	DRN	250M4	810	310
152	3450	9.74	73800	3.8	RF	147	DRN	250M4	820	311
204	2560	7.25	74200	3.4	RM	147	DRN	250M4	990	311
252	2080	5.89	72400	4.2						
78	6740	19.04*	47800	1.20	R	137	DRN	250M4	690	308
88	5950	16.80*	48500	1.35	RF	137	DRN	250M4	710	309
102	5140	14.51	48900	1.55	RM	137	DRN	250M4	820	309
115	4540	12.83	49000	1.75						
137	3820	10.79	48700	2.1	R	137	DRN	250M4	690	308
170	3080	8.71	48000	2.5	RF	137	DRN	250M4	710	309
195	2690	7.59	48100	1.90	RM	137	DRN	250M4	820	309
232	2260	6.38	46900	2.3						
288	1820	5.15	45200	2.5						

P_m = 75 kW										
n _a 1/min	M _a Nm	i	F _{Ra} ¹⁾ N	SEW f _B					m kg	
33	21600	44.87	120000	0.85						
37	19200	39.92	120000	0.95	R	167	DRN	280S4	1120	312
43	16600	34.41	120000	1.10	RF	167	DRN	280S4	1130	313
53	13500	27.96	120000	1.35	RM	167	DRN	280S4	1320	313
62	11400	23.71	120000	1.55						
60	11800	24.57	120000	1.20	R	167	DRN	280S4	1110	312
68	10500	21.85	120000	1.25	RF	167	DRN	280S4	1120	313
78	9190	19.03	120000	1.75	RM	167	DRN	280S4	1320	313
87	8200	16.98	120000	1.85						
102	6990	14.48	120000	2.6	R	167	DRN	280S4	1110	312
124	5790	11.99	116600	2.9	RF	167	DRN	280S4	1120	313
145	4940	10.24	112700	3.4	RM	167	DRN	280S4	1320	313
49	14400	29.95	56700	0.90	R	147	DRN	280S4	870	310
61	11600	24.19	65100	1.00	RF	147	DRN	280S4	880	311
					RM	147	DRN	280S4	1050	311
73	9870	20.44	68000	1.20	R	147	DRN	280S4	860	310
82	8710	18.04	69500	1.20	RF	147	DRN	280S4	870	311
95	7550	15.64	70800	1.70	RM	147	DRN	280S4	1040	311
107	6720	13.91	71600	1.85						
124	5790	11.99	72400	2.2						
152	4700	9.74	73100	2.8	R	147	DRN	280S4	860	310
179	3990	8.26	73500	3.3	RF	147	DRN	280S4	870	311
204	3500	7.25	73100	2.5	RM	147	DRN	280S4	1040	311
252	2840	5.89	70100	3.0						
297	2410	5.00	67600	3.6						

P_m = 90 kW										
n _a 1/min	M _a Nm	i	F _{Ra} ¹⁾ N	SEW f _B					m kg	
37	23100	39.92	120000	0.80	R	167	DRN	280M4	1240	312
43	19900	34.41	120000	0.90	RF	167	DRN	280M4	1240	313
53	16200	27.96	120000	1.10	RM	167	DRN	280M4	1440	313
62	13700	23.71	120000	1.30						
78	11000	19.03	120000	1.45	R	167	DRN	280M4	1230	312
					RF	167	DRN	280M4	1240	313
					RM	167	DRN	280M4	1430	313
87	9850	16.98	120000	1.50	R	167	DRN	280M4	1230	312
102	8400	14.48	117300	2.1	RF	167	DRN	280M4	1240	313
123	6960	11.99	113500	2.4	RM	167	DRN	280M4	1430	313
145	5940	10.24	110100	2.9						
95	9070	15.64	69000	1.45	R	147	DRN	280M4	970	310
106	8070	13.91	70200	1.55	RF	147	DRN	280M4	980	311
					RM	147	DRN	280M4	1150	311
124	6950	11.99	71400	1.85						
152	5650	9.74	72500	2.3	R	147	DRN	280M4	970	310
179	4790	8.26	73000	2.7	RF	147	DRN	280M4	980	311
204	4200	7.25	70900	2.1	RM	147	DRN	280M4	1150	311
251	3410	5.89	68300	2.5						
296	2890	5.00	66100	3.0						

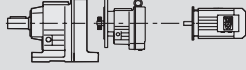

P_m = 110 kW										
n _a 1/min	M _a Nm	i	F _{Ra} ¹⁾ N	SEW f _B					m kg	
53	19700	27.96	117100	0.90	R	167	DRN	315S4	1480	312
63	16700	23.71	116900	1.10	RF	167	DRN	315S4	1490	313
					RM	167	DRN	315S4	1680	313
78	13400	19.03	115500	1.20	R	167	DRN	315S4/ERF/NS	1470	312
					RF	167	DRN	315S4/ERF/NS	1480	313
					RM	167	DRN	315S4/ERF/NS	1680	313
88	11900	16.98	114300	1.25	R	167	DRN	315S4	1470	312
103	10200	14.48	112200	1.75	RF	167	DRN	315S4	1480	313
124	8460	11.99	109200	2.0	RM	167	DRN	315S4	1680	313
145	7220	10.24	106400	2.4						

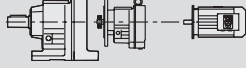

P_m = 132 kW										
n _a 1/min	M _a Nm	i	F _{Ra} ¹⁾ N	SEW f _B					m kg	
63	20000	23.71	107900	0.90	R	167	DRN	315M4	1500	312
					RF	167	DRN	315M4	1510	313
					RM	167	DRN	315M4	1700	313
78	16100	19.03	108300	1.00	R	167	DRN	315M4/ERF/NS	1490	312
88	14300	16.98	107800	1.05	RF	167	DRN	315M4/ERF/NS	1500	313
					RM	167	DRN	315M4/ERF/NS	1700	313
103	12200	14.48	106700	1.45	R	167	DRN	315M4	1490	312
124	10100	11.99	104700	1.65	RF	167	DRN	315M4	1500	313
145	8670	10.24	102600	1.95	RM	167	DRN	315M4	1700	313

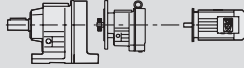

P_m = 160 kW										
n _a 1/min	M _a Nm	i	F _{Ra} ¹⁾ N	SEW f _B					m kg	
103	14800	14.48	99700	1.20	R	167	DRN	315L4	1630	312
124	12300	11.99	98900	1.40	RF	167	DRN	315L4	1630	313
145	10500	10.24	97600	1.60	RM	167	DRN	315L4	1830	313

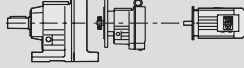

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8.4 R..R..DRN.. selection tables for low output speeds in Nm

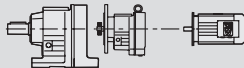

M_{a max} = 130 Nm								
n_a 1/min	i	F_{Ra}⁽¹⁾ N					m kg	
0.16	8612	4230						
0.19	7425	4230						
0.20	6921	4230						
0.23	6050	4230						
0.26	5217	4230						
0.30	4661	4230	R	27R17	DR	63S4	12	314
0.34	4073	4230	RF	27R17	DR	63S4	11	314
0.39	3516	4230						
0.44	3160	4230						
0.50	2763	4230						
0.57	2414	4230						
0.65	2110	4230						
0.76	1822	4230						
0.87	1580	4230						
0.94	1464	4230						
1.1	1270	4230						
1.2	1100	4230	R	27R17	DR	63S4	11	314
1.4	972	4230	RF	27R17	DR	63S4	11	314
1.6	840	4230						
1.9	741	4230						
2.1	654	4230						
2.4	566	4230						
2.8	499	4230						
3.1	440	4230						
3.6	381	4230						
4.2	329	4230	R	27R17	DR	63S4	11	314
4.8	290	4230	RF	27R17	DR	63S4	11	314
5.4	256	4230						
6.1	227	4230						
6.8	203	4230						
7.4	179	4230						
8.5	156	4230	R	27R17	DR	63M4	11	314
9.8	135	4230	RF	27R17	DR	63M4	11	314
11	118	4230						
12	104	4230	R	27R17	DR	63L4	12	314
14	90	4230	RF	27R17	DR	63L4	12	314

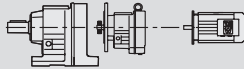

M_{a max} = 200 Nm								
n_a 1/min	i	F_{Ra}⁽¹⁾ N					m kg	
0.16	8595	4940						
0.19	7411	4940						
0.20	6907	4940						
0.23	6038	4940						
0.27	5206	4940						
0.30	4651	4940	R	37R17	DR	63S4	17	314
0.34	4065	4940	RF	37R17	DR	63S4	19	314
0.38	3658	4940						
0.44	3154	4940						
0.50	2757	4940						
0.57	2409	4940						
0.66	2106	4940						

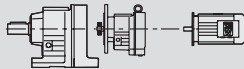

M_{a max} = 200 Nm								
n _a 1/min	i	F _{Ra} ¹⁾ N					m kg	
0.76	1818	4940						
0.88	1576	4940						
1.0	1359	4940						
1.1	1267	4940						
1.3	1098	4940						
1.4	970	4940	R	37R17	DR	63S4	17	314
1.6	839	4940	RF	37R17	DR	63S4	19	314
1.9	740	4940						
2.1	653	4940						
2.4	577	4940						
2.8	498	4940						
3.1	439	4940						
3.6	378	4940	R	37R17	DR	63S4	17	314
4.2	328	4940	RF	37R17	DR	63S4	18	314
4.8	289	4940						
5.0	265	4940						
5.8	226	4940	R	37R17	DR	63M4	17	314
6.5	202	4940	RF	37R17	DR	63M4	18	314
7.4	179	4940						
8.4	156	4940	R	37R17	DR	63L4	18	314
9.7	135	4940	RF	37R17	DR	63L4	19	314
10	127	4940						
13	104	4940	R	37R17	DRS	71S4	19	314
15	90	4940	RF	37R17	DRS	71S4	21	314

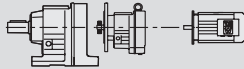

M_{a max} = 300 Nm								
n _a 1/min	i	F _{Ra} ¹⁾ N					m kg	
0.10	13598	5420						
0.11	12472	5420						
0.13	10619	5420						
0.15	9155	5420						
0.16	8534	5420						
0.18	7460	5420						
0.20	6993	5420						
0.22	6171	5420	R	47R37	DR	63S4	29	314
0.25	5624	5420	RF	47R37	DR	63S4	29	314
0.28	4849	5420						
0.31	4520	5420						
0.35	3951	5420						
0.37	3704	5420						
0.42	3268	5420						
0.48	2898	5420						
0.56	2463	5420						
0.53	2598	5420						
0.58	2383	5420						
0.68	2029	5420						
0.79	1749	5420						
0.85	1630	5420						
0.97	1425	5420	R	47R37	DR	63S4	29	314
1.0	1336	5420	RF	47R37	DR	63S4	29	314
1.2	1179	5420						
1.3	1074	5420						
1.5	927	5420						
1.6	863	5420						
1.8	755	5420						
2.5	546	5420	R	47R37	DR	63S4	28	314
2.8	502	5420	RF	47R37	DR	63S4	28	314
3.2	429	5420						
3.6	372	5420	R	47R37	DR	63M4	28	314
3.8	348	5420	RF	47R37	DR	63M4	28	314
4.4	301	5420						
5.1	255	5420	R	47R37	DR	63L4	29	314
5.7	228	5420	RF	47R37	DR	63L4	29	314

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M_{a max} = 450 Nm								
n_a 1/min	i	$F_{Ra}^{(1)}$ N					m kg	
0.10	14369	7100						
0.11	12095	7100						
0.13	10860	7100						
0.15	9445	7100						
0.16	8480	7100						
0.19	7312	7100						
0.21	6521	7100						
0.25	5585	7100	R	57R37	DR	63S4	34	314
0.28	4928	7100	RF	57R37	DR	63S4	38	314
0.32	4378	7100	RM	57R37	DR	63S4	50	314
0.36	3873	7100						
0.41	3344	7100						
0.47	2907	7100						
0.54	2567	7100						
0.61	2244	7100						
0.70	1967	7100						
0.80	1732	7100						
0.89	1555	7100						
0.99	1399	7100	R	57R37	DR	63S4	34	314
1.2	1189	7100	RF	57R37	DR	63S4	38	314
1.3	1034	7100	RM	57R37	DR	63S4	50	314
1.8	782	7100						
2.0	678	7100						
2.2	604	7100	R	57R37	DR	63M4	34	314
2.5	537	7100	RF	57R37	DR	63M4	38	314
2.8	471	7100	RM	57R37	DR	63M4	50	314
3.6	357	7100	R	57R37	DR	63L4	35	314
4.1	319	7100	RF	57R37	DR	63L4	38	314
			RM	57R37	DR	63L4	50	314
5.1	273	7100	R	57R37	DRS	71S4	37	314
5.7	241	7100	RF	57R37	DRS	71S4	40	314
			RM	57R37	DRS	71S4	52	314

M_{a max} = 600 Nm								
n_a 1/min	i	$F_{Ra}^{(1)}$ N					m kg	
0.09	15361	7560						
0.11	12931	7560						
0.12	11996	7560						
0.14	10097	7560						
0.15	9066	7560						
0.18	7816	7560						
0.20	6732	7560	R	67R37	DR	63S4	41	314
0.23	5970	7560	RF	67R37	DR	63S4	44	314
0.26	5268	7560	RM	67R37	DR	63S4	60	314
0.29	4680	7560						
0.33	4136	7560						
0.39	3566	7560						
0.44	3125	7560						
0.50	2745	7560						
0.57	2403	7560						
0.51	2682	7560						
0.56	2460	7560						
0.66	2094	7560	R	67R37	DR	63S4	40	314
0.76	1805	7560	RF	67R37	DR	63S4	43	314
0.85	1629	7560	RM	67R37	DR	63S4	59	314
0.94	1471	7560						
1.0	1379	7560						
1.8	730	7560	R	67R37	DR	63M4	40	314
2.3	571	7560	RF	67R37	DR	63M4	43	314
			RM	67R37	DR	63M4	59	314
2.7	486	7560	R	67R37	DR	63L4	41	314
			RF	67R37	DR	63L4	44	314
			RM	67R37	DR	63L4	60	314

M_{a max} = 600 Nm								
n_a 1/min	i	F_{Ra}¹⁾ N					m kg	
0.84	1652	7560	R	67R37	DR	63S4	41	314
0.96	1432	7560	RF	67R37	DR	63S4	44	314
1.1	1259	7560	RM	67R37	DR	63S4	60	314
1.2	1106	7560						
1.6	836	7560	R	67R37	DR	63M4	41	314
1.8	750	7560	RF	67R37	DR	63M4	44	314
2.0	646	7560	RM	67R37	DR	63M4	60	314
2.3	574	7560						
2.6	495	7560	R	67R37	DR	63L4	41	314
3.0	438	7560	RF	67R37	DR	63L4	45	314
3.4	388	7560	RM	67R37	DR	63L4	60	314
4.0	344	7560	R	67R37	DRS	71S4	43	314
4.7	294	7560	RF	67R37	DRS	71S4	47	314
			RM	67R37	DRS	71S4	62	314

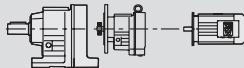

M_{a max} = 820 Nm								
n_a 1/min	i	F_{Ra}¹⁾ N					m kg	
0.08	16370	9920						
0.09	15015	9920						
0.10	13885	9920						
0.11	12783	9920						
0.13	11021	9920						
0.14	9788	9920						
0.16	8714	9920						
0.18	7617	9920	R	77R37	DR	63S4	46	314
0.20	6770	9920	RF	77R37	DR	63S4	52	314
0.24	5838	9920	RM	77R37	DR	63S4	77	314
0.27	5184	9920						
0.31	4470	9920						
0.35	3999	9920						
0.40	3488	9920						
0.45	3053	9920						
0.52	2671	9920						
0.44	3151	9920						
0.48	2890	9920						
0.56	2460	9920						
0.65	2121	9920	R	77R37	DR	63S4	45	314
0.70	1977	9920	RF	77R37	DR	63S4	51	314
0.80	1728	9920	RM	77R37	DR	63S4	76	314
0.85	1620	9920						
0.97	1430	9920						
1.1	1303	9920						
1.2	1124	9920						
1.3	1047	9920	R	77R37	DR	63M4	45	314
1.4	915	9920	RF	77R37	DR	63M4	51	314
1.5	858	9920	RM	77R37	DR	63M4	76	314
1.7	757	9920						
1.9	671	9920	R	77R37	DR	63L4	46	314
2.3	571	9920	RF	77R37	DR	63L4	52	314
			RM	77R37	DR	63L4	77	314
2.3	560	9920	R	77R37	DR	63L4	47	314
			RF	77R37	DR	63L4	53	314
			RM	77R37	DR	63L4	78	314
2.8	488	9920	R	77R37	DRS	71S4	49	314
3.2	436	9920	RF	77R37	DRS	71S4	55	314
3.7	373	9920	RM	77R37	DRS	71S4	80	314
4.2	327	9920	R	77R37	DRS	71M4	50	314
4.7	289	9920	RF	77R37	DRS	71M4	56	314
5.2	260	9920	RM	77R37	DRS	71M4	81	314

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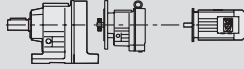

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Helical gearmotors

R..R..DRN.. selection tables for low output speeds in Nm

M_{a max} = 1550 Nm									
n_a 1/min	i	F_{Ra}¹⁾ N					m kg		
0.08	17452	16900							
0.09	15310	16900							
0.10	13813	16900							
0.11	12025	16900							
0.13	10549	16900							
0.15	9244	16900							
0.17	8109	16900	R	87R57	DR	63S4	86	314	
0.20	7038	16900	RF	87R57	DR	63S4	93	314	
0.22	6174	16900	RM	87R57	DR	63S4	125	314	
0.25	5449	16900							
0.29	4831	16900							
0.33	4206	16900							
0.37	3744	16900							
0.43	3233	16900							
0.48	2873	16900							
0.67	1961	16900	R	87R57	DR	63M4	86	314	
			RF	87R57	DR	63M4	93	314	
			RM	87R57	DR	63M4	125	314	
0.34	4020	16900	R	87R57	DR	63S4	85	314	
0.43	3182	16900	RF	87R57	DR	63S4	92	314	
0.50	2770	16900	RM	87R57	DR	63S4	120	314	
0.53	2595	16900							
0.62	2129	16900							
0.68	1930	16900	R	87R57	DR	63M4	85	314	
0.76	1733	16900	RF	87R57	DR	63M4	92	314	
0.89	1489	16900	RM	87R57	DR	63M4	120	314	
0.95	1395	16900							
1.0	1232	16900	R	87R57	DR	63L4	86	314	
1.1	1145	16900	RF	87R57	DR	63L4	93	314	
1.2	1037	16900	RM	87R57	DR	63L4	120	314	
1.7	802	16900	R	87R57	DRS	71S4	87	314	
1.8	754	16900	RF	87R57	DRS	71S4	94	314	
			RM	87R57	DRS	71S4	125	314	
0.76	1737	16900	R	87R57	DR	63M4	85	314	
0.87	1524	16900	RF	87R57	DR	63M4	93	314	
			RM	87R57	DR	63M4	120	314	
1.0	1303	16900	R	87R57	DR	63L4	86	314	
1.3	1008	16900	RF	87R57	DR	63L4	93	314	
			RM	87R57	DR	63L4	125	314	
1.6	885	16900	R	87R57	DRS	71S4	88	314	
2.0	685	16900	RF	87R57	DRS	71S4	95	314	
			RM	87R57	DRS	71S4	125	314	
2.3	599	16900	R	87R57	DRS	71M4	89	314	
			RF	87R57	DRS	71M4	96	314	
			RM	87R57	DRS	71M4	125	314	
3.6	398	16900	R	87R57	DRN	80M4	94	314	
4.1	352	16900	RF	87R57	DRN	80M4	100	314	
			RM	87R57	DRN	80M4	130	314	
4.8	305	16900	R	87R57	DRN	90S4	100	314	
5.4	268	16900	RF	87R57	DRN	90S4	105	314	
			RM	87R57	DRN	90S4	135	314	
2.5	538	16900	R	87R57	DRS	71M4	88	314	
2.9	472	16900	RF	87R57	DRS	71M4	95	314	
			RM	87R57	DRS	71M4	125	314	
3.6	400	16900	R	87R57	DRN	80M4	92	314	
4.0	361	16900	RF	87R57	DRN	80M4	100	314	
			RM	87R57	DRN	80M4	130	314	
4.8	300	16900	R	87R57	DRN	90S4	99	314	
5.7	256	16900	RF	87R57	DRN	90S4	105	314	
			RM	87R57	DRN	90S4	135	314	

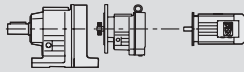

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M_{a max} = 3000 Nm								
n_a 1/min	i	F_{Ra}¹⁾ N					m kg	
0.06	21769	19800						
0.07	19332	19800						
0.08	17230	19800						
0.09	14999	19800						
0.10	13320	19800						
0.12	11156	19800	R	97R57	DR	63S4	130	314
0.14	10030	19800	RF	97R57	DR	63S4	145	314
0.16	8706	19800	RM	97R57	DR	63S4	195	314
0.18	7692	19800						
0.21	6708	19800						
0.23	5931	19800						
0.27	5161	19800						
0.33	4004	19800	R	97R57	DR	63M4	130	314
0.38	3481	19800	RF	97R57	DR	63M4	145	314
			RM	97R57	DR	63M4	195	314
0.29	4678	19800	R	97R57	DR	63S4	125	314
			RF	97R57	DR	63S4	145	314
			RM	97R57	DR	63S4	195	314
0.31	4309	19800	R	97R57	DR	63M4	125	314
0.36	3702	19800	RF	97R57	DR	63M4	145	314
0.44	3019	19800	RM	97R57	DR	63M4	195	314
0.49	2668	19800	R	97R57	DR	63L4	125	314
0.58	2245	19800	RF	97R57	DR	63L4	145	314
0.64	2016	19800	RM	97R57	DR	63L4	195	314
0.80	1733	19800	R	97R57	DRS	71S4	130	314
0.85	1623	19800	RF	97R57	DRS	71S4	145	314
0.96	1434	19800	RM	97R57	DRS	71S4	195	314
1.1	1207	19800	R	97R57	DRS	71M4	130	314
1.2	1084	19800	RF	97R57	DRS	71M4	145	314
1.5	934	19800	RM	97R57	DRS	71M4	200	314
1.6	878	19800						
1.9	755	19800	R	97R57	DRN	80M4	135	314
			RF	97R57	DRN	80M4	150	314
			RM	97R57	DRN	80M4	200	314
0.76	1823	19800	R	97R57	DRS	71S4	130	314
0.87	1583	19800	RF	97R57	DRS	71S4	145	314
0.99	1396	19800	RM	97R57	DRS	71S4	200	314
1.1	1228	19800	R	97R57	DRS	71M4	130	314
1.3	1069	19800	RF	97R57	DRS	71M4	150	314
1.4	938	19800	RM	97R57	DRS	71M4	200	314
1.8	824	19800	R	97R57	DRN	80M4	135	314
2.0	737	19800	RF	97R57	DRN	80M4	155	314
			RM	97R57	DRN	80M4	205	314
2.3	632	19800	R	97R57	DRN	90S4	140	314
2.6	560	19800	RF	97R57	DRN	90S4	160	314
3.0	484	19800	RM	97R57	DRN	90S4	210	314
3.4	431	19800	R	97R57	DRN	90L4	145	314
3.8	379	19800	RF	97R57	DRN	90L4	165	314
4.3	336	19800	RM	97R57	DRN	90L4	215	314
4.9	296	19800	R	97R57	DRN	100LS4	150	314
5.8	249	19800	RF	97R57	DRN	100LS4	165	314
6.2	234	19800	RM	97R57	DRN	100LS4	220	314
2.3	625	19800	R	97R57	DRN	90S4	140	314
2.6	549	19800	RF	97R57	DRN	90S4	155	314
			RM	97R57	DRN	90S4	210	314
5.4	270	19800	R	97R57	DRN	100LS4	145	314
6.4	227	19800	RF	97R57	DRN	100LS4	165	314
			RM	97R57	DRN	100LS4	215	314


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Helical gearmotors

R..R..DRN.. selection tables for low output speeds in Nm

M_{a max} = 4300 Nm									
n_a 1/min	i	F_{Ra}¹⁾ N					m kg		
0.07	20018	29500							
0.08	17080	29500							
0.09	14936	29500	R	107R77	DR	63S4	200	314	
0.11	12829	29500	RF	107R77	DR	63S4	210	314	
0.12	11256	29500	RM	107R77	DR	63S4	295	314	
0.14	9547	29500							
0.16	8618	29500							
0.18	7583	29500							
0.20	6743	29500	R	107R77	DR	63M4	200	314	
0.22	5914	29500	RF	107R77	DR	63M4	210	314	
0.26	5168	29500	RM	107R77	DR	63M4	295	314	
0.30	4435	29500							
0.33	3896	29500	R	107R77	DR	63L4	205	314	
0.43	3039	29500	RF	107R77	DR	63L4	210	314	
			RM	107R77	DR	63L4	295	314	
0.33	3918	29500	R	107R77	DR	63L4	195	314	
0.39	3343	29500	RF	107R77	DR	63L4	200	314	
0.43	3034	29500	RM	107R77	DR	63L4	290	314	
0.52	2653	29500	R	107R77	DRS	71S4	200	314	
0.61	2280	29500	RF	107R77	DRS	71S4	205	314	
0.67	2067	29500	RM	107R77	DRS	71S4	290	314	
0.80	1693	29500	R	107R77	DRS	71M4	200	314	
0.88	1550	29500	RF	107R77	DRS	71M4	205	314	
0.97	1407	29500	RM	107R77	DRS	71M4	295	314	
1.2	1209	29500	R	107R77	DRN	80M4	205	314	
1.4	1055	29500	RF	107R77	DRN	80M4	210	314	
			RM	107R77	DRN	80M4	300	314	
1.6	919	29500	R	107R77	DRN	90S4	210	314	
1.8	815	29500	RF	107R77	DRN	90S4	215	314	
2.0	717	29500	RM	107R77	DRN	90S4	305	314	
2.3	626	29500	R	107R77	DRN	90L4	210	314	
2.8	528	29500	RF	107R77	DRN	90L4	220	314	
			RM	107R77	DRN	90L4	305	314	
0.69	1987	29500	R	107R77	DRS	71S4	205	314	
			RF	107R77	DRS	71S4	210	314	
			RM	107R77	DRS	71S4	295	314	
0.74	1827	29500	R	107R77	DRS	71M4	205	314	
0.85	1599	29500	RF	107R77	DRS	71M4	210	314	
0.97	1400	29500	RM	107R77	DRS	71M4	300	314	
1.2	1226	29500	R	107R77	DRN	80M4	210	314	
1.3	1104	29500	RF	107R77	DRN	80M4	215	314	
			RM	107R77	DRN	80M4	305	314	
1.6	939	29500	R	107R77	DRN	90S4	215	314	
1.8	822	29500	RF	107R77	DRN	90S4	220	314	
			RM	107R77	DRN	90S4	310	314	
2.4	614	29500	R	107R77	DRN	90L4	220	314	
2.7	544	29500	RF	107R77	DRN	90L4	225	314	
3.0	492	29500	RM	107R77	DRN	90L4	310	314	
3.5	417	29500	R	107R77	DRN	100LS4	220	314	
3.9	369	29500	RF	107R77	DRN	100LS4	230	314	
4.5	323	29500	RM	107R77	DRN	100LS4	315	314	
5.1	285	29500	R	107R77	DRN	100L4	230	314	
5.8	253	29500	RF	107R77	DRN	100L4	235	314	
			RM	107R77	DRN	100L4	325	314	
6.8	214	29500	R	107R77	DRN	112M4	240	314	
7.8	187	29500	RF	107R77	DRN	112M4	245	314	
			RM	107R77	DRN	112M4	330	314	
3.1	469	29500	R	107R77	DRN	90L4	210	314	
			RF	107R77	DRN	90L4	215	314	
			RM	107R77	DRN	90L4	305	314	
3.4	426	29500	R	107R77	DRN	100LS4	215	314	
3.8	377	29500	RF	107R77	DRN	100LS4	220	314	
4.5	325	29500	RM	107R77	DRN	100LS4	310	314	

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M_{a max} = 4300 Nm									
n _a 1/min	i	F _{Ra} ¹⁾ N						m kg	
5.1 5.7	284	29500	R	107R77	DRN	100L4		225	314
	256	29500	RF	107R77	DRN	100L4		230	314
			RM	107R77	DRN	100L4		315	314
6.7 7.6	220	29500	R	107R77	DRN	112M4		230	314
	193	29500	RF	107R77	DRN	112M4		240	314
			RM	107R77	DRN	112M4		325	314
8.5	172	29500	R	107R77	DRN	132S4		245	314
			RF	107R77	DRN	132S4		250	314
			RM	107R77	DRN	132S4		335	314

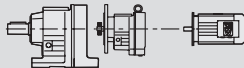

M_{a max} = 8000 Nm									
n _a 1/min	i	F _{Ra} ¹⁾ N						m kg	
0.06 0.07 0.08 0.09 0.11	22203	53400							
	18945	53400	R	137R77	DR	63S4		290	314
	16566	53400	RF	137R77	DR	63S4		310	314
	14777	53400	RM	137R77	DR	63S4		425	314
0.11 0.12 0.15	11712	53400	R	137R77	DR	63M4		290	314
	10573	53400	RF	137R77	DR	63M4		310	314
	8784	53400	RM	137R77	DR	63M4		425	314
0.17 0.20 0.22	7479	53400	R	137R77	DR	63L4		290	314
	6559	53400	RF	137R77	DR	63L4		310	314
	5834	53400	RM	137R77	DR	63L4		425	314
0.27 0.31 0.35	5116	53400	R	137R77	DRS	71S4		290	314
	4464	53400	RF	137R77	DRS	71S4		315	314
	3928	53400	RM	137R77	DRS	71S4		425	314
0.39 0.45	3454	53400	R	137R77	DRS	71M4		290	314
	2993	53400	RF	137R77	DRS	71M4		315	314
			RM	137R77	DRS	71M4		425	314
0.29 0.34	4709	53400	R	137R77	DRS	71S4		280	314
	4018	53400	RF	137R77	DRS	71S4		305	314
			RM	137R77	DRS	71S4		415	314
0.39 0.41 0.46 0.55	3514	53400	R	137R77	DRS	71M4		280	314
	3338	53400	RF	137R77	DRS	71M4		305	314
	2929	53400	RM	137R77	DRS	71M4		415	314
	2484	53400							
0.64 0.77	2242	53400	R	137R77	DRN	80M4		285	314
	1863	53400	RF	137R77	DRN	80M4		310	314
			RM	137R77	DRN	80M4		420	314
0.92 1.0 1.2	1586	53400	R	137R77	DRN	90S4		290	314
	1391	53400	RF	137R77	DRN	90S4		315	314
	1256	53400	RM	137R77	DRN	90S4		425	314
1.3 1.4	1105	53400	R	137R77	DRN	90L4		295	314
	1043	53400	RF	137R77	DRN	90L4		320	314
			RM	137R77	DRN	90L4		430	314
1.6 2.1 2.4	888	53400	R	137R77	DRN	100LS4		300	314
	699	53400	RF	137R77	DRN	100LS4		325	314
	609	53400	RM	137R77	DRN	100LS4		435	314
0.51 0.56	2658	53400	R	137R77	DRS	71M4		290	314
	2412	53400	RF	137R77	DRS	71M4		315	314
			RM	137R77	DRS	71M4		425	314
0.69 1.0 0.78	2073	53400	R	137R77	DRN	80M4		295	314
	1839	53400	RF	137R77	DRN	80M4		320	314
			RM	137R77	DRN	80M4		430	314
0.91 1.0 1.2	1598	53400	R	137R77	DRN	90S4		300	314
	1397	53400	RF	137R77	DRN	90S4		325	314
	1226	53400	RM	137R77	DRN	90S4		435	314
1.3 1.5	1090	53400	R	137R77	DRN	90L4		305	314
	951	53400	RF	137R77	DRN	90L4		325	314
			RM	137R77	DRN	90L4		440	314

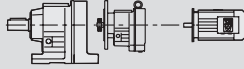

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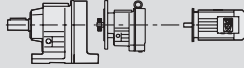

Helical gearmotors

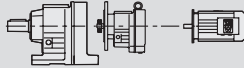

R..R..DRN.. selection tables for low output speeds in Nm

M_{a max} = 8000 Nm									
n_a 1/min	i	$F_{Ra}^{1)}$ N					m kg		
1.7	831	53400	R	137R77	DRN	100LS4	310	314	
2.0	730	53400	RF	137R77	DRN	100LS4	330	314	
2.3	629	53400	RM	137R77	DRN	100LS4	445	314	
2.6	560	53400	R	137R77	DRN	100L4	315	314	
3.0	490	53400	RF	137R77	DRN	100L4	340	314	
			RM	137R77	DRN	100L4	450	314	
3.4	428	53400	R	137R77	DRN	112M4	325	314	
3.8	381	53400	RF	137R77	DRN	112M4	350	314	
			RM	137R77	DRN	112M4	460	314	
4.5	323	53400	R	137R77	DRN	132S4	335	314	
5.0	291	53400	RF	137R77	DRN	132S4	360	314	
5.7	255	53400	RM	137R77	DRN	132S4	470	314	
2.6	564	53400	R	137R77	DRN	100L4	305	314	
2.8	517	53400	RF	137R77	DRN	100L4	330	314	
3.2	453	53400	RM	137R77	DRN	100L4	440	314	
3.9	376	53400	R	137R77	DRN	112M4	315	314	
4.3	339	53400	RF	137R77	DRN	112M4	340	314	
			RM	137R77	DRN	112M4	450	314	
4.9	297	53400	R	137R77	DRN	132S4	325	314	
			RF	137R77	DRN	132S4	350	314	
			RM	137R77	DRN	132S4	460	314	

M_{a max} = 13000 Nm									
n_a 1/min	i	$F_{Ra}^{1)}$ N					m kg		
0.06	23401	62700	R	147R77	DR	63S4	420	314	
0.06	21342	62700	RF	147R77	DR	63S4	430	314	
			RM	147R77	DR	63S4	600	314	
0.07	18210	62700	R	147R77	DR	63M4	420	314	
0.08	15923	62700	RF	147R77	DR	63M4	430	314	
0.09	14075	62700	RM	147R77	DR	63M4	600	314	
0.11	12344	62700							
0.12	11143	62700	R	147R77	DR	63L4	420	314	
0.13	9743	62700	RF	147R77	DR	63L4	430	314	
			RM	147R77	DR	63L4	600	314	
0.16	8443	62700	R	147R77	DRS	71S4	425	314	
0.19	7307	62700	RF	147R77	DRS	71S4	430	314	
0.21	6447	62700	RM	147R77	DRS	71S4	600	314	
0.24	5568	62700	R	147R77	DRS	71M4	425	314	
0.28	4926	62700	RF	147R77	DRS	71M4	430	314	
0.31	4325	62700	RM	147R77	DRS	71M4	600	314	
0.38	3754	62700	R	147R77	DRN	80M4	430	314	
0.44	3302	62700	RF	147R77	DRN	80M4	435	314	
			RM	147R77	DRN	80M4	600	314	
0.50	2898	62700	R	147R77	DRN	90S4	435	314	
			RF	147R77	DRN	90S4	440	314	
			RM	147R77	DRN	90S4	610	314	
0.57	2555	62700	R	147R77	DRN	90S4	435	314	
0.66	2211	62700	RF	147R77	DRN	90S4	440	314	
			RM	147R77	DRN	90S4	610	314	
0.75	1951	62700	R	147R77	DRN	90L4	435	314	
0.86	1705	62700	RF	147R77	DRN	90L4	445	314	
0.95	1536	62700	RM	147R77	DRN	90L4	610	314	
1.1	1329	62700	R	147R77	DRN	100LS4	440	314	
1.2	1166	62700	RF	147R77	DRN	100LS4	450	314	
1.4	1029	62700	RM	147R77	DRN	100LS4	620	314	
1.6	889	62700	R	147R77	DRN	100L4	445	314	
1.9	784	62700	RF	147R77	DRN	100L4	455	314	
			RM	147R77	DRN	100L4	620	314	

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M_{a max} = 13000 Nm									
n_a 1/min	i	$F_{Ra}^{1)}$ N					m kg		
2.1	695	62700	R	147R77	DRN	112M4	455	314	
2.4	619	62700	RF	147R77	DRN	112M4	465	314	
2.6	558	62700	RM	147R77	DRN	112M4	630	314	
3.0	489	62700	R	147R77	DRN	132S4	470	314	
			RF	147R77	DRN	132S4	475	314	
			RM	147R77	DRN	132S4	640	314	
2.7	533	62700	R	147R87	DRN	132S4	490	314	
3.2	462	62700	RF	147R87	DRN	132S4	495	314	
3.4	426	62700	RM	147R87	DRN	132S4	660	314	
4.0	368	62700	R	147R87	DRN	132M4	510	314	
			RF	147R87	DRN	132M4	510	314	
			RM	147R87	DRN	132M4	680	314	
5.2	280	62700	R	147R87	DRN	132L4	510	314	
			RF	147R87	DRN	132L4	520	314	
			RM	147R87	DRN	132L4	690	314	
6.0	247	62700							
6.9	214	62700	R	147R87	DRN	160M4	550	314	
			RF	147R87	DRN	160M4	560	314	
			RM	147R87	DRN	160M4	720	314	

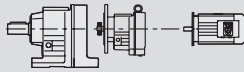

M_{a max} = 18000 Nm									
n_a 1/min	i	$F_{Ra}^{1)}$ N					m kg		
0.05	27001	120000							
0.06	22482	120000							
0.07	20002	120000							
0.08	17361	120000	R	167R97	DRS	71M4	760	315	
0.09	15446	120000	RF	167R97	DRS	71M4	760	315	
0.10	14051	120000	RM	167R97	DRS	71M4	960	315	
0.12	11812	120000							
0.13	10509	120000							
0.14	9631	120000							
0.19	7749	120000	R	167R97	DRN	80M4	760	315	
			RF	167R97	DRN	80M4	770	315	
			RM	167R97	DRN	80M4	960	315	
0.21	6894	120000							
0.22	6077	120000	R	167R97	DRS	71M4	760	315	
			RF	167R97	DRS	71M4	760	315	
			RM	167R97	DRS	71M4	960	315	
0.27	5407	120000	R	167R97	DRN	80M4	760	315	
			RF	167R97	DRN	80M4	770	315	
			RM	167R97	DRN	80M4	960	315	
0.31	4650	120000							
0.35	4129	120000	R	167R97	DRN	90S4	760	315	
			RF	167R97	DRN	90S4	770	315	
			RM	167R97	DRN	90S4	970	315	
0.39	3692	120000							
0.55	2657	120000	R	167R97	DRN	90L4	760	315	
			RF	167R97	DRN	90L4	770	315	
			RM	167R97	DRN	90L4	970	315	
0.63	2333	120000							
0.70	2085	120000							
0.77	1877	120000	R	167R97	DRN	100LS4	770	315	
			RF	167R97	DRN	100LS4	780	315	
			RM	167R97	DRN	100LS4	970	315	
0.87	1670	120000							
1.0	1438	120000							
1.1	1279	120000	R	167R97	DRN	100L4	780	315	
			RF	167R97	DRN	100L4	780	315	
			RM	167R97	DRN	100L4	980	315	
1.3	1123	120000							
1.5	999	120000							
1.7	861	120000	R	167R97	DRN	112M4	780	315	
			RF	167R97	DRN	112M4	790	315	
			RM	167R97	DRN	112M4	990	315	
1.9	760	120000							
2.2	656	120000	R	167R97	DRN	132S4	800	315	
			RF	167R97	DRN	132S4	800	315	
			RM	167R97	DRN	132S4	1000	315	
2.5	579	120000							
2.9	503	120000	R	167R97	DRN	132M4	810	315	
			RF	167R97	DRN	132M4	820	315	
			RM	167R97	DRN	132M4	1020	315	
3.4	432	120000							

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Helical gearmotors

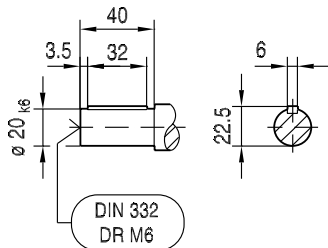
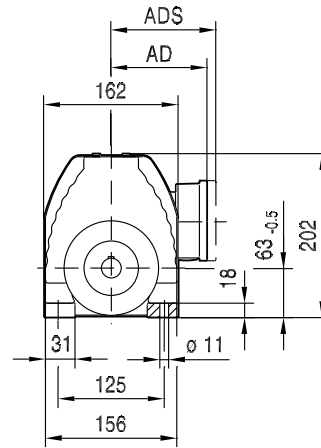
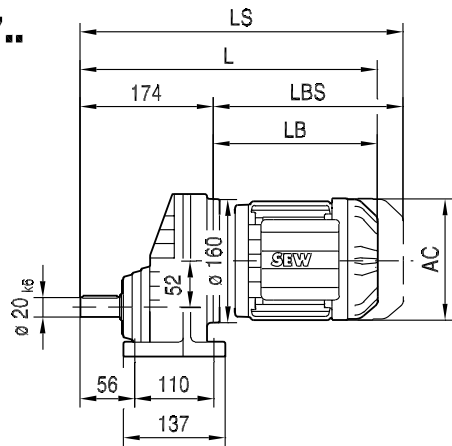
R..R..DRN.. selection tables for low output speeds in Nm

M_{a max} = 18000 Nm									
n_a 1/min	i	F_{Ra}¹⁾ N					m kg		
3.9	376	120000	R	167R97	DRN	132L4	820	315	
4.4	335	120000	RF	167R97	DRN	132L4	830	315	
			RM	167R97	DRN	132L4	1020	315	
4.9	303	120000	R	167R97	DRN	160M4	860	315	
5.3	279	120000	RF	167R97	DRN	160M4	860	315	
			RM	167R97	DRN	160M4	1060	315	
5.0	295	120000	R	167R107	DRN	160M4	900	315	
			RF	167R107	DRN	160M4	910	315	
			RM	167R107	DRN	160M4	1100	315	
5.4	270	120000	R	167R107	DRN	160L4	920	315	
6.4	229	120000	RF	167R107	DRN	160L4	920	315	
			RM	167R107	DRN	160L4	1120	315	
7.4	200	120000	R	167R107	DRN	180M4	940	315	
			RF	167R107	DRN	180M4	950	315	
			RM	167R107	DRN	180M4	1140	315	
5.1	291	120000	R	167R107	DRN	160M4	900	315	
			RF	167R107	DRN	160M4	900	315	
			RM	167R107	DRN	160M4	1100	315	
5.6	264	120000	R	167R107	DRN	160L4	910	315	
6.5	227	120000	RF	167R107	DRN	160L4	920	315	
7.4	198	120000	RM	167R107	DRN	160L4	1110	315	

8.5 R..DRN.. dimension sheets in mm

01 004 00 14

RX57..

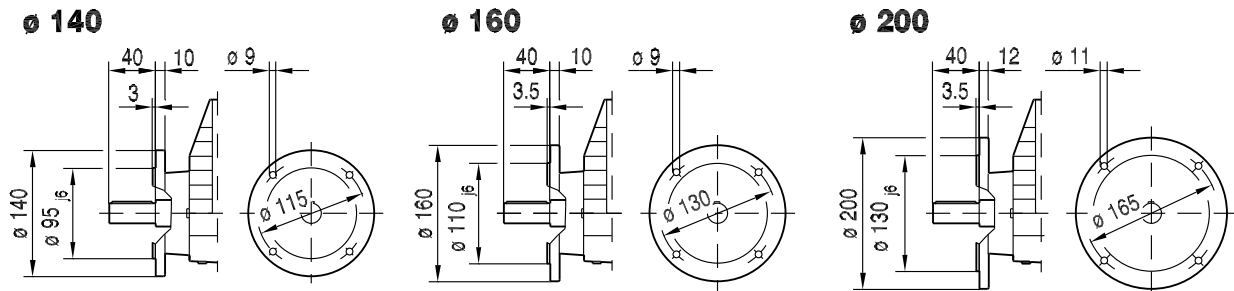
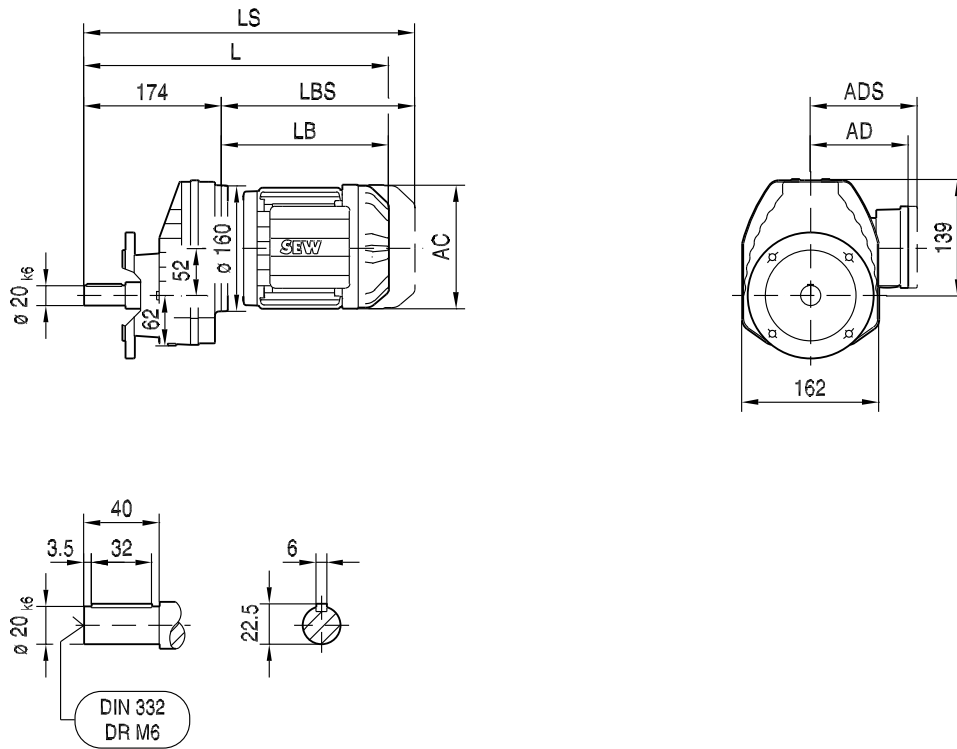


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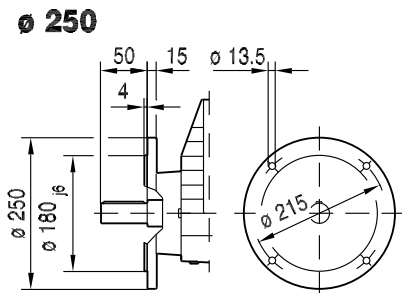
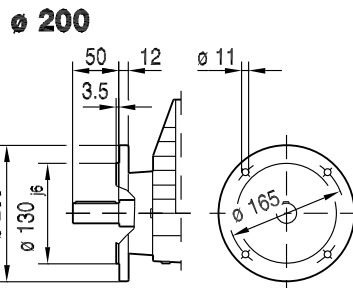
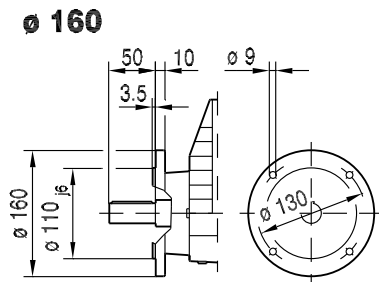
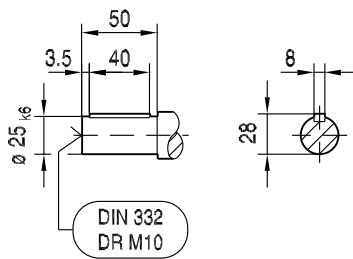
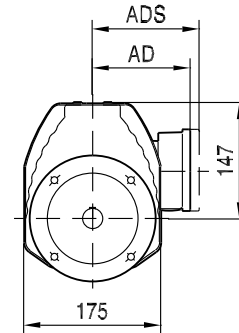
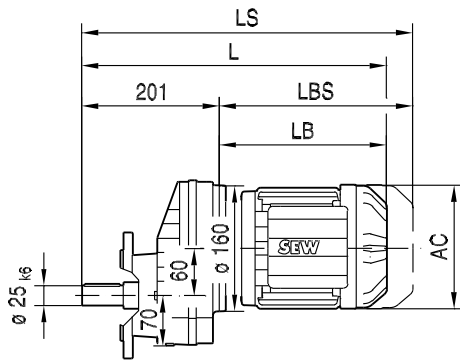
(→ 155)	DR63..	DR71S	DR71M	DRN80M	DRN90S	DRN90L	DRN100LS	DRN100L	DRN112M	DRN132S
AC	132	139	139	156	179	179	197	197	221	221
AD	105	119	119	128	140	140	157	157	170	170
ADS	105	129	129	139	150	150	158	158	172	172
L	359	370	395	449	451	483	479	529	560	614
LS	414	438	463	530	544	576	573	623	672	726
LB	185	196	221	275	277	309	305	355	386	440
LBS	240	264	289	356	370	402	399	449	498	552

RXF57..



(→ 155)	DR63..	DR71S	DR71M	DRN80M	DRN90S	DRN90L	DRN100LS	DRN100L	DRN112M	DRN132S
AC	132	139	139	156	179	179	197	197	221	221
AD	105	119	119	128	140	140	157	157	170	170
ADS	105	129	129	139	150	150	158	158	172	172
L	359	370	395	449	451	483	479	529	560	614
LS	414	438	463	530	544	576	573	623	672	726
LB	185	196	221	275	277	309	305	355	386	440
LBS	240	264	289	356	370	402	399	449	498	552

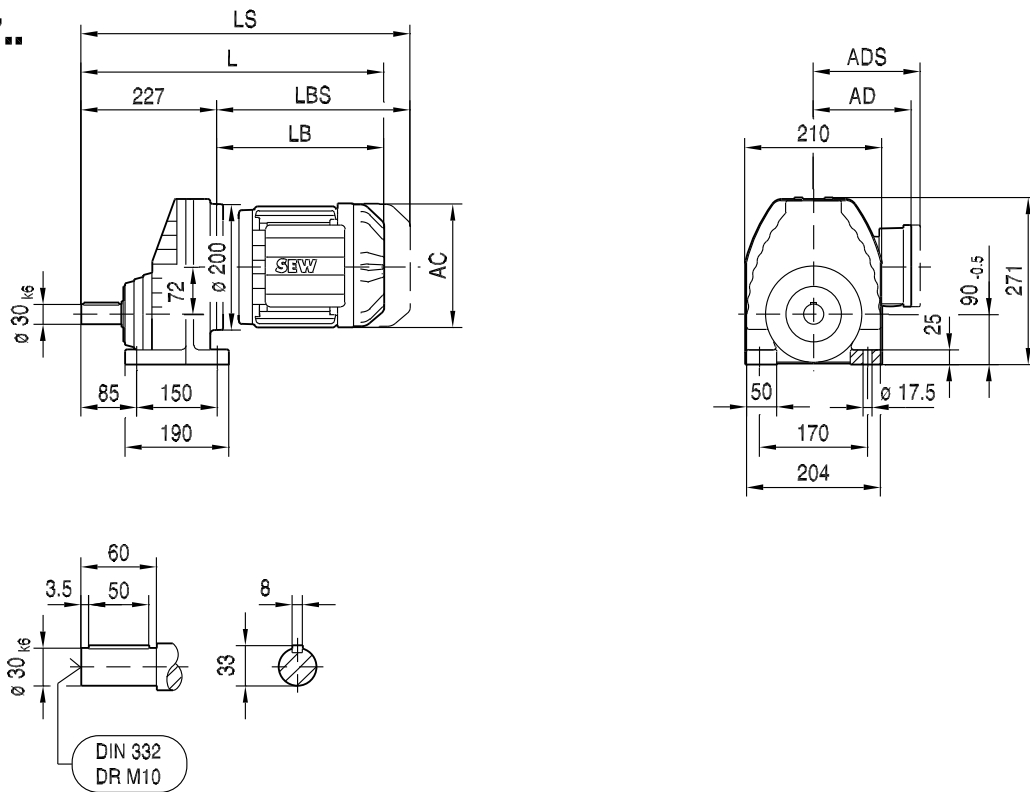
RXF67..



(→ 155)	DR63..	DR71S	DR71M	DRN80M	DRN90S	DRN90L	DRN100LS	DRN100L	DRN112M	DRN132S	DRN132M
AC	132	139	139	156	179	179	197	197	221	221	261
AD	105	119	119	128	140	140	157	157	170	170	228
ADS	105	129	129	139	150	150	158	158	172	172	228
L	386	397	422	476	478	510	506	556	587	641	659
LS	441	465	490	557	571	603	600	650	699	753	797
LB	185	196	221	275	277	309	305	355	386	440	458
LBS	240	264	289	356	370	402	399	449	498	552	596

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RX77..

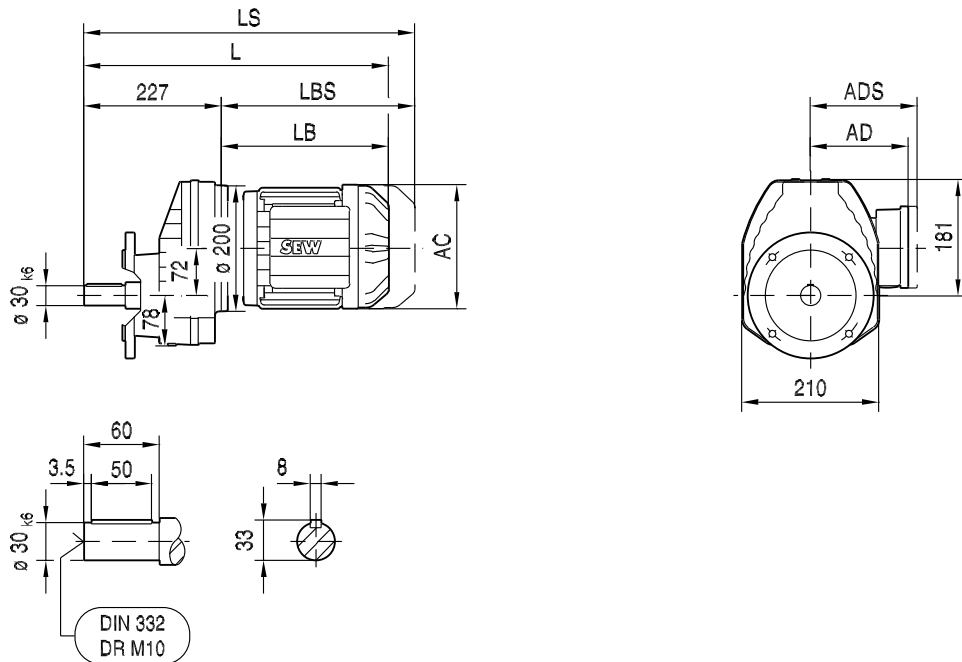


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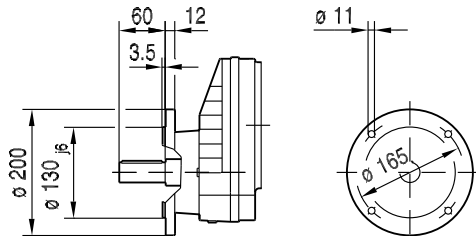
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(→ 155)	DRN90S	DRN90L	DRN100LS	DRN100L	DRN112M	DRN132S	DRN132M	DRN132L	DRN160M
AC	179	179	197	197	221	221	261	261	314
AD	140	140	157	157	170	170	228	228	253
ADS	150	150	158	158	172	172	228	228	253
L	497	529	525	575	606	656	674	700	766
LS	590	622	619	669	718	768	812	837	955
LB	270	302	298	348	379	429	447	473	539
LBS	363	395	392	442	491	541	585	610	728

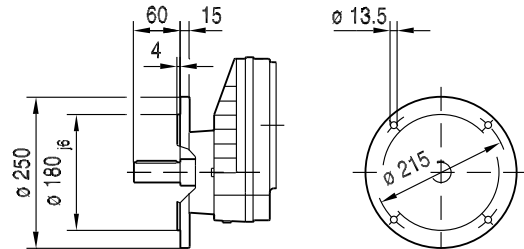
RXF77..



$\varnothing 200$



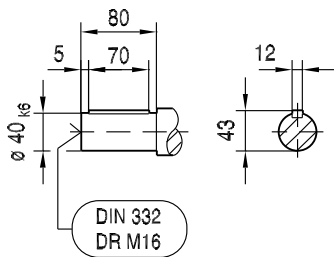
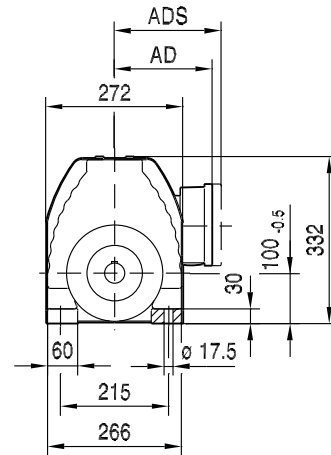
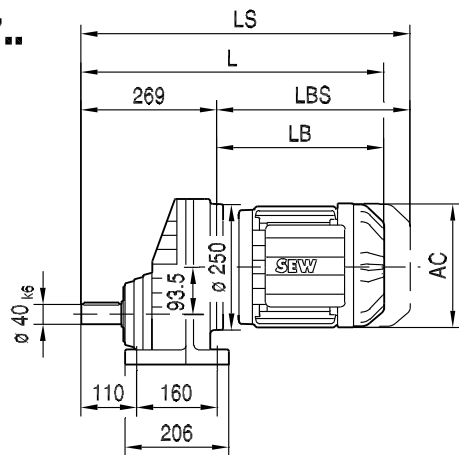
$\varnothing 250$



(→ 155)	DRN90S	DRN90L	DRN100LS	DRN100L	DRN112M	DRN132S	DRN132M	DRN132L	DRN160M
AC	179	179	197	197	221	221	261	261	314
AD	140	140	157	157	170	170	228	228	253
ADS	150	150	158	158	172	172	228	228	253
L	497	529	525	575	606	656	674	700	766
LS	590	622	619	669	718	768	812	837	955
LB	270	302	298	348	379	429	447	473	539
LBS	363	395	392	442	491	541	585	610	728

01 010 00 14

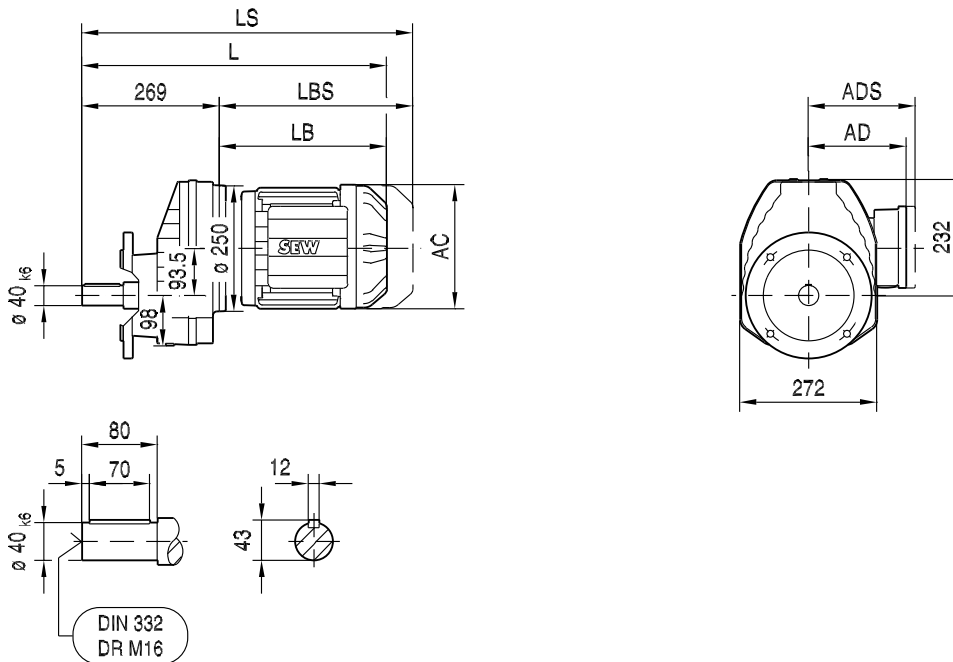
RX87..



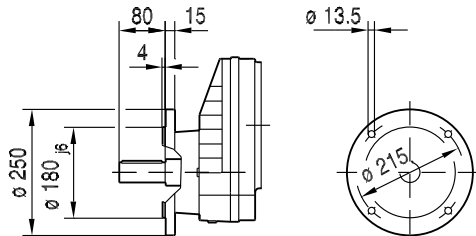
21933189/EN – 11/2015

(→ 155)	DRN100L	DRN112M	DRN132S	DRN132M	DRN132L	DRN160M	DRN160L	DRN180..
AC	197	221	221	261	261	314	314	357
AD	157	170	170	228	228	253	253	268
ADS	158	172	172	228	228	253	253	268
L	612	643	693	711	737	803	803	826
LS	706	755	805	849	874	992	992	1015
LB	343	374	424	442	468	534	534	557
LBS	437	486	536	580	605	723	723	746

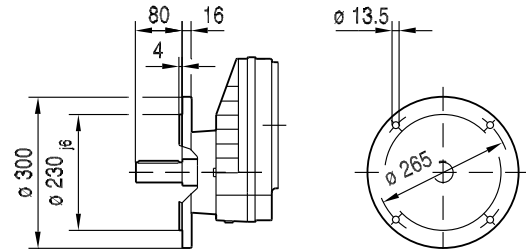
RXF87..



$\varnothing 250$



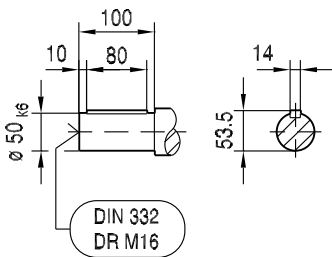
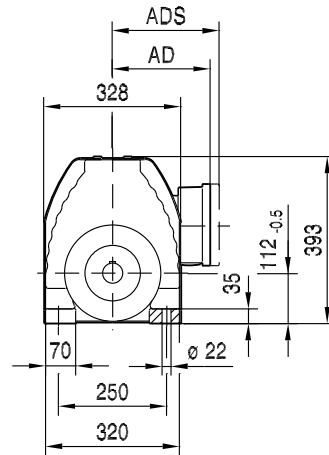
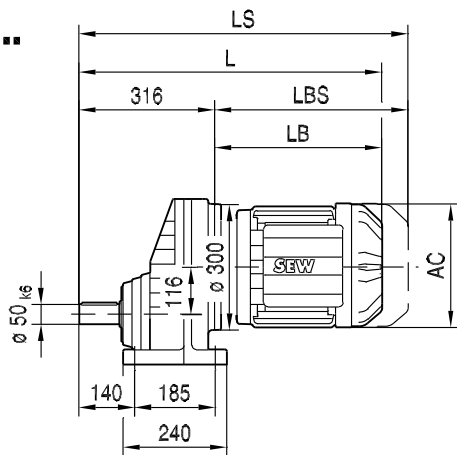
$\varnothing 300$



(→ 155)	DRN100L	DRN112M	DRN132S	DRN132M	DRN132L	DRN160M	DRN160L	DRN180..
AC	197	221	221	261	261	314	314	357
AD	157	170	170	228	228	253	253	268
ADS	158	172	172	228	228	253	253	268
L	612	643	693	711	737	803	803	826
LS	706	755	805	849	874	992	992	1015
LB	343	374	424	442	468	534	534	557
LBS	437	486	536	580	605	723	723	746

01 012 00 14

RX97..

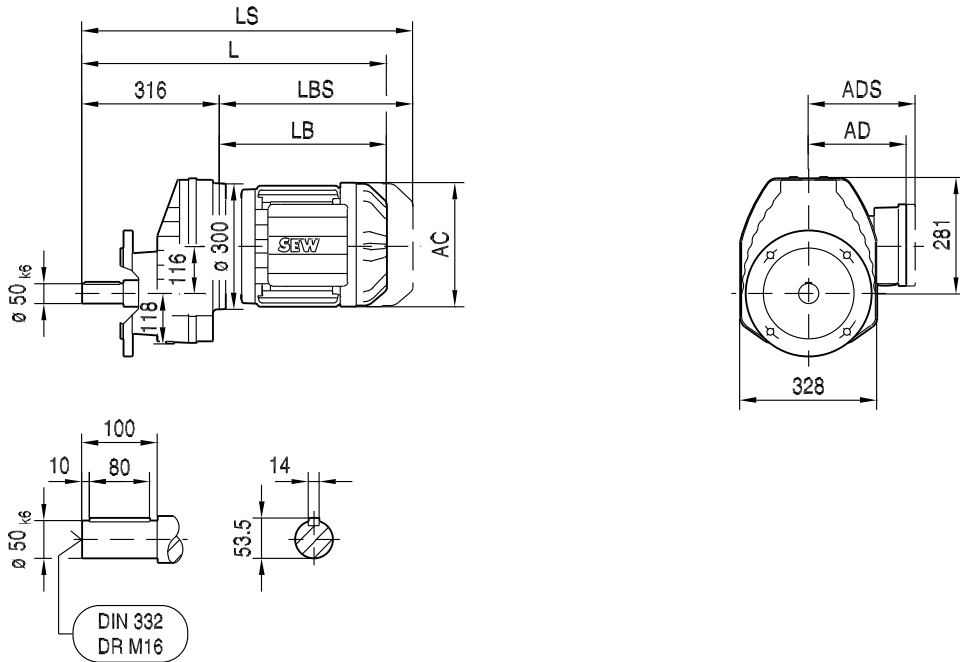


8

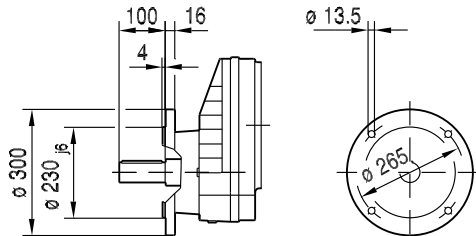
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(→ 155)	DRN132S	DRN132M	DRN132L	DRN160M	DRN160L	DRN180..	DRN200L	
AC	221	261	261	314	314	357	394	
AD	170	228	228	253	253	268	283	
ADS	172	228	228	253	253	268	283	
L	735	753	779	845	845	868	978	
LS	847	891	916	1034	1034	1057	1183	
LB	419	437	463	529	529	552	662	
LBS	531	575	600	718	718	741	867	

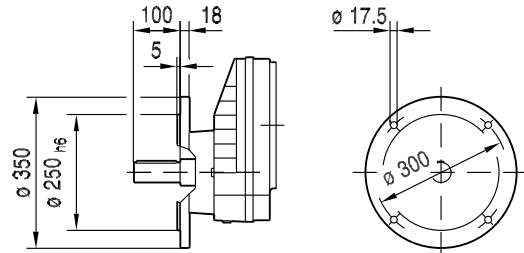
RXF97..



ø 300



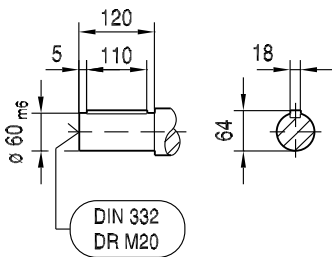
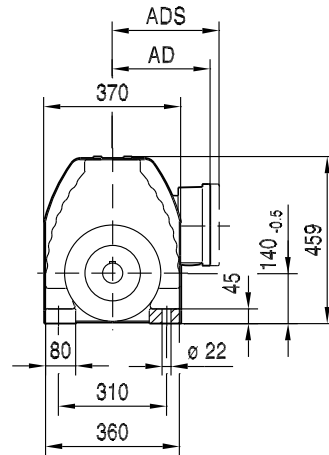
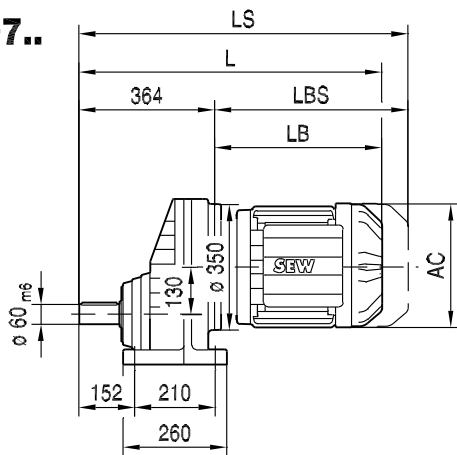
ø 350



(→ 155)	DRN132S	DRN132M	DRN132L	DRN160M	DRN160L	DRN180..	DRN200L
AC	221	261	261	314	314	357	394
AD	170	228	228	253	253	268	283
ADS	172	228	228	253	253	268	283
L	735	753	779	845	845	868	978
LS	847	891	916	1034	1034	1057	1183
LB	419	437	463	529	529	552	662
LBS	531	575	600	718	718	741	867

01 014 00 14

RX107..

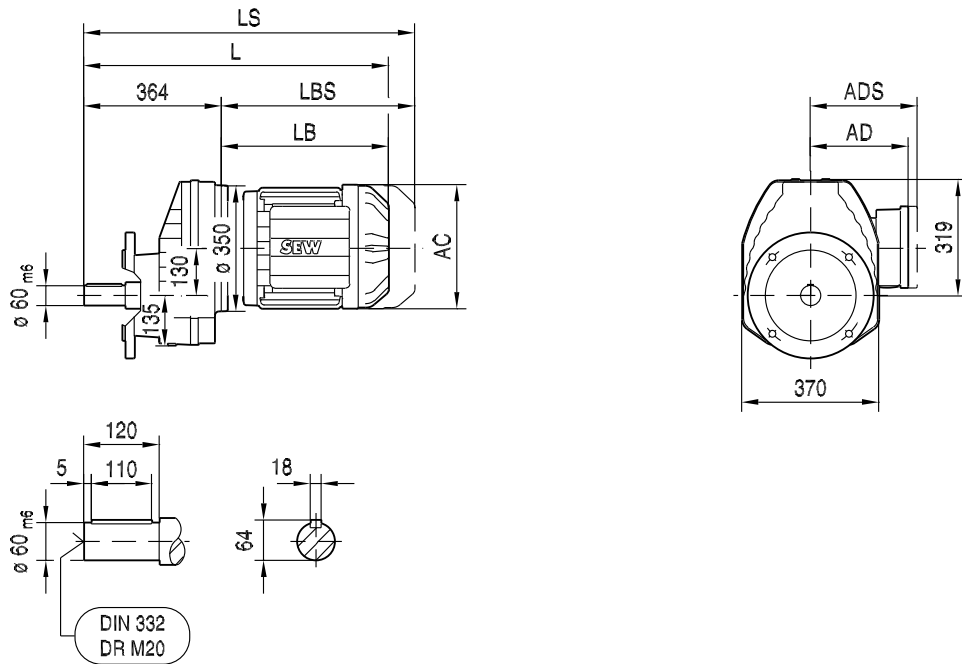


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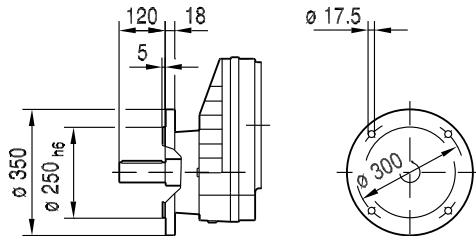
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(→ 155)	DRN132S	DRN132M	DRN132L	DRN160M	DRN160L	DRN180..	DRN200L	DRN225..
AC	221	261	261	314	314	357	394	434
AD	170	228	228	253	253	268	283	305
ADS	172	228	228	253	253	268	283	305
L	777	795	821	887	887	910	1020	994
LS	889	933	958	1076	1076	1099	1225	1199
LB	413	431	457	523	523	546	656	630
LBS	525	569	594	712	712	735	861	835

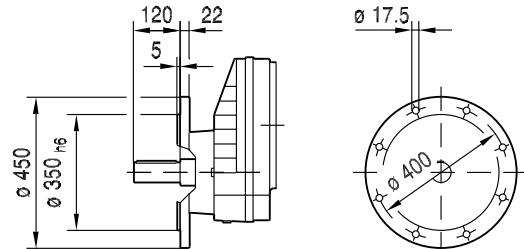
RXF107..



$\varnothing 350$



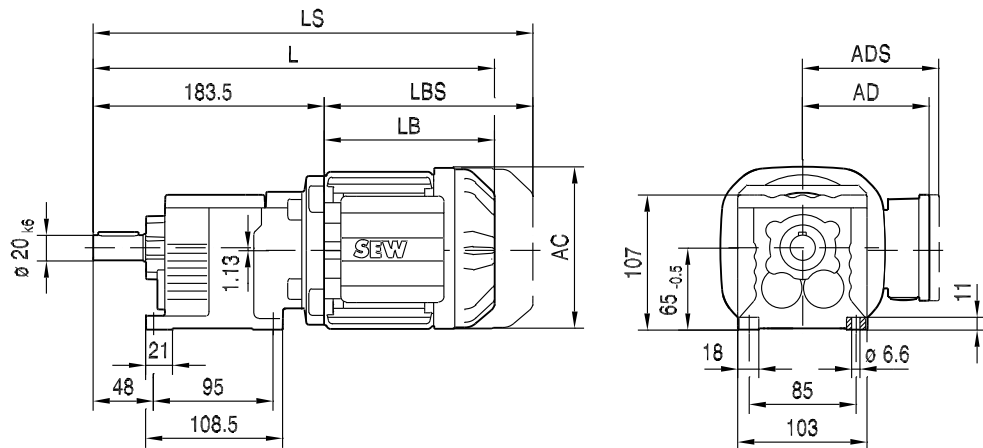
$\varnothing 450$



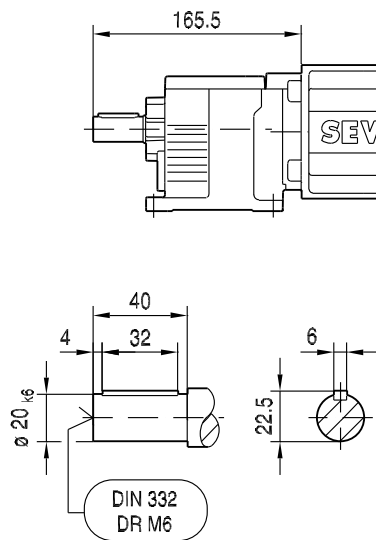
(→ 155)	DRN132S	DRN132M	DRN132L	DRN160M	DRN160L	DRN180..	DRN200L	DRN225..
AC	221	261	261	314	314	357	394	434
AD	170	228	228	253	253	268	283	305
ADS	172	228	228	253	253	268	283	305
L	777	795	821	887	887	910	1020	994
LS	889	933	958	1076	1076	1099	1225	1199
LB	413	431	457	523	523	546	656	630
LBS	525	569	594	712	712	735	861	835

01 016 00 14

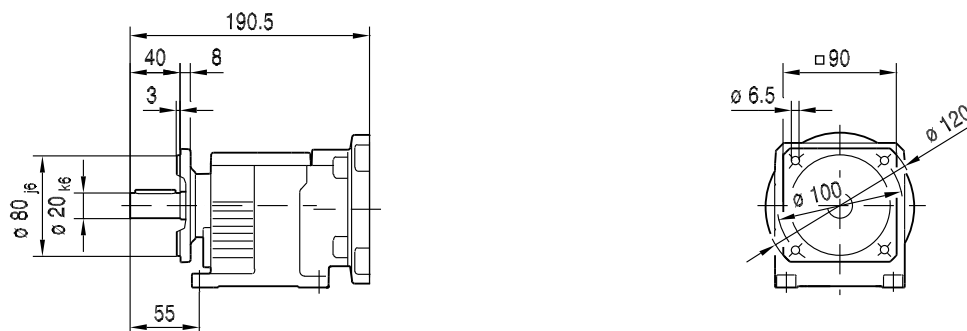
**R07..
DR..**



DT56..



R07F..



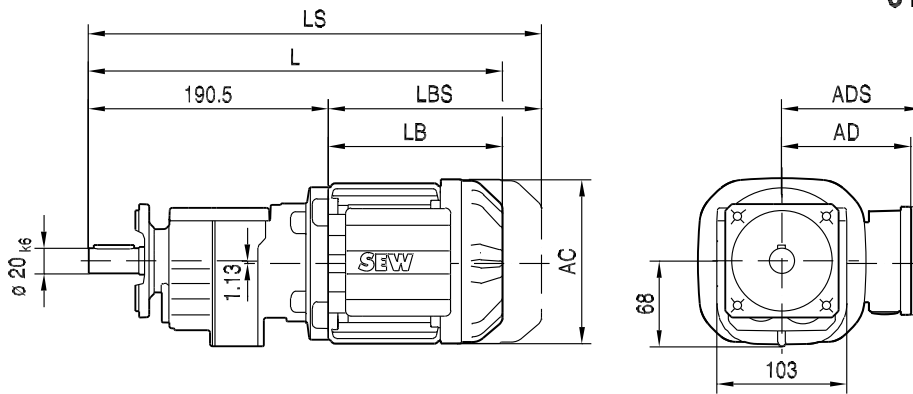
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(→ 155)	DT56..	DR63..	DR71S	DR71M				
AC	109	132	139	139				
AD	87	105	119	119				
ADS	87	105	129	129				
L	302	333	344	369				
LS	338	388	412	437				
LB	136	149	160	185				
LBS	172	204	228	253				

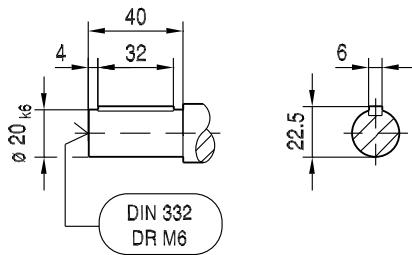
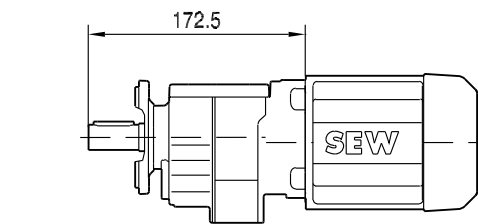
01 017 00 14

RF07..

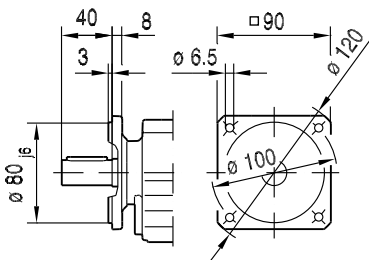
DR..



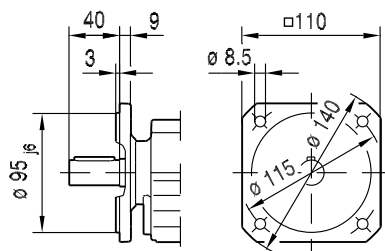
DT56..



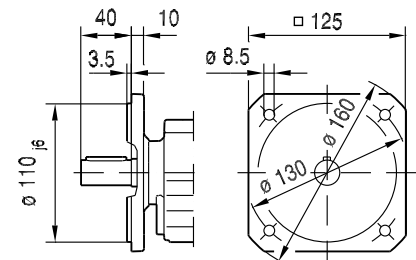
$\varnothing 120$



$\varnothing 140$



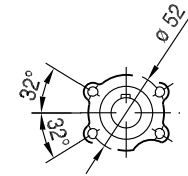
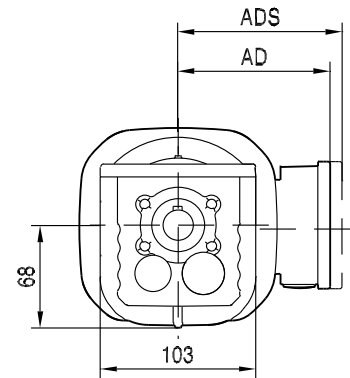
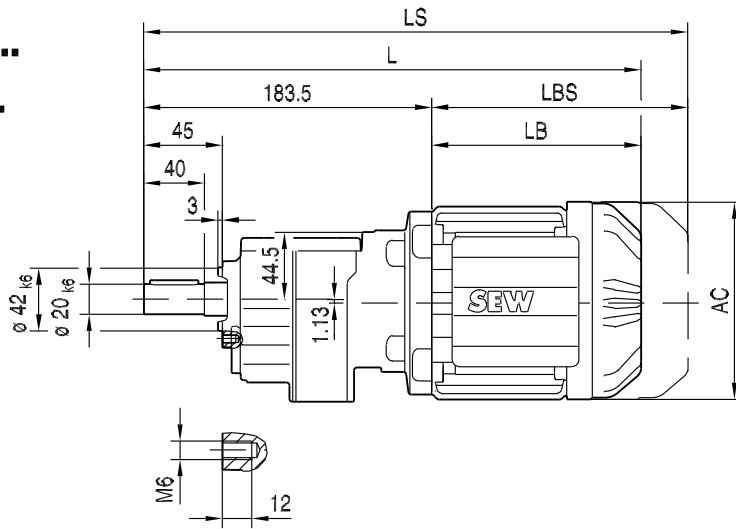
$\varnothing 160$



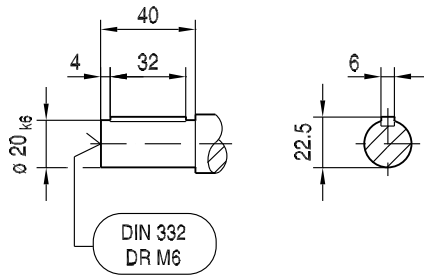
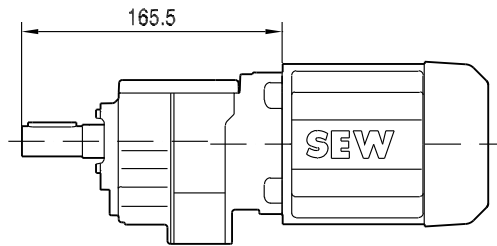
(→ 155)	DT56..	DR63..	DR71S	DR71M			
AC	109	132	139	139			
AD	87	105	119	119			
ADS	87	105	129	129			
L	309	340	351	376			
LS	345	395	419	444			
LB	136	149	160	185			
LBS	172	204	228	253			

01 018 00 14

**RZ07..
DR..**



DT56..

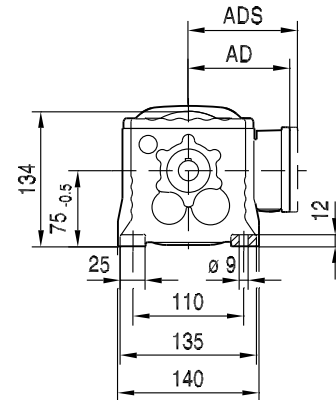
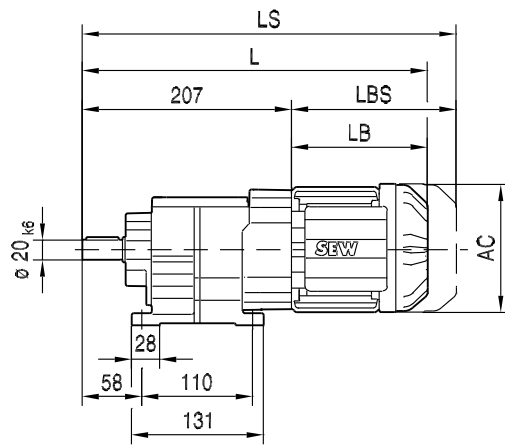


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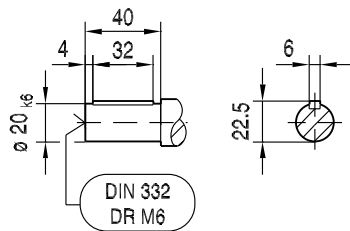
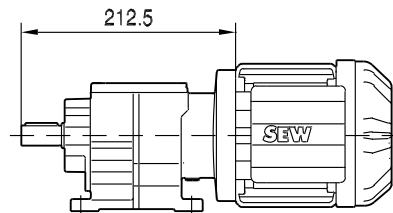
(→ 155)	DT56..	DR63..	DR71S	DR71M				
AC	109	132	139	139				
AD	87	105	119	119				
ADS	87	105	129	129				
L	302	333	344	369				
LS	338	388	412	437				
LB	136	149	160	185				
LBS	172	204	228	253				

01 019 00 14

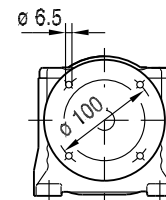
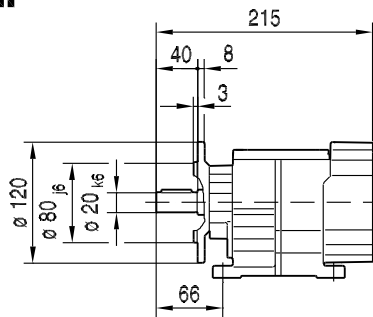
R17..



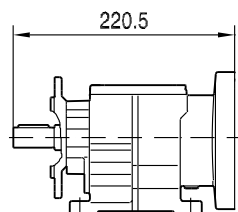
DR80..



R17F..



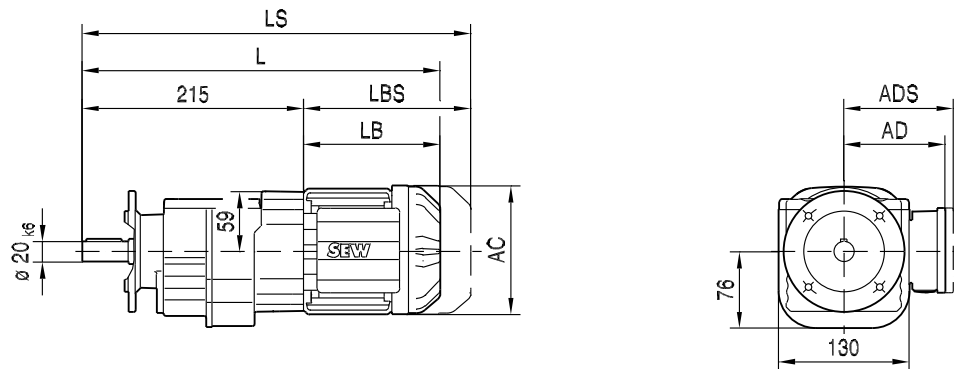
DR80..



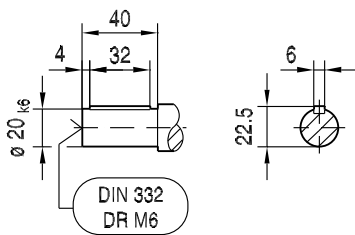
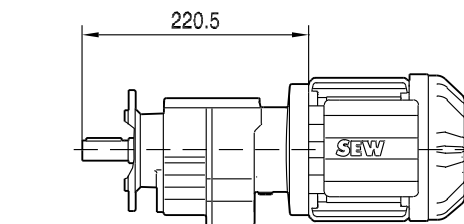
(→ 155)	DR63..	DR71S	DR71M	DRN80M				
AC	132	139	139	156				
AD	105	119	119	128				
ADS	105	129	129	139				
L	356	367	392	442				
LS	411	435	460	523				
LB	149	160	185	235				
LBS	204	228	253	316				

01 020 00 14

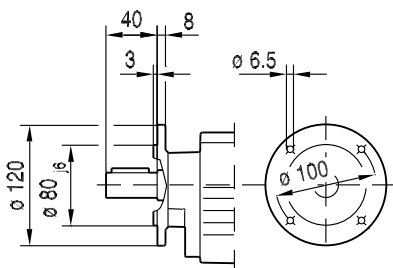
RF17..



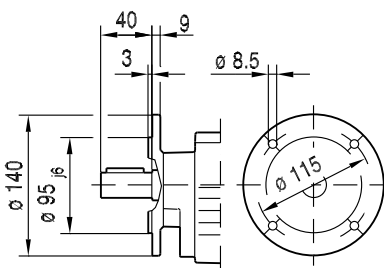
DR80..



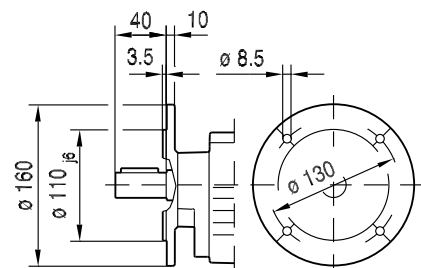
∅ 120



∅ 140



∅ 160

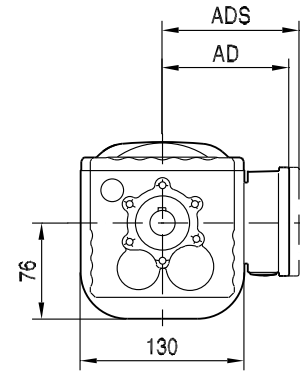
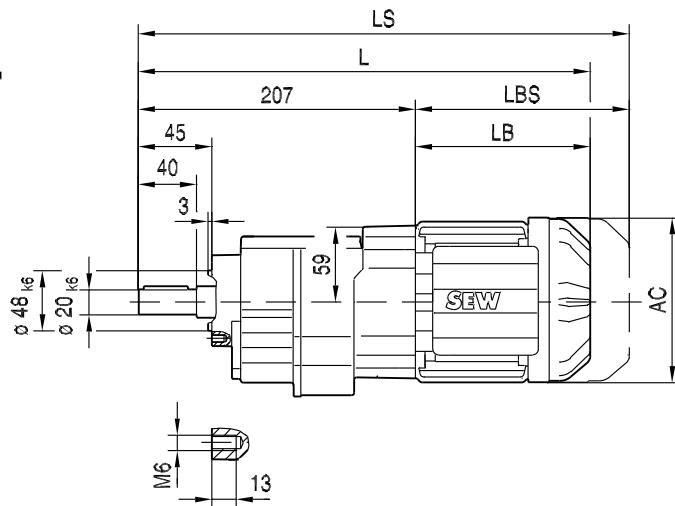


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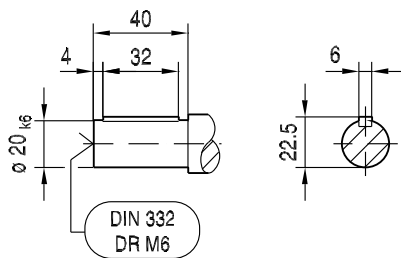
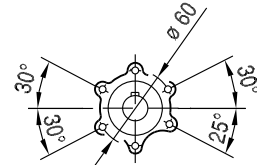
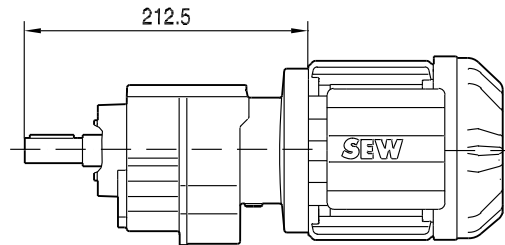
(→ 155)	DR63..	DR71S	DR71M	DRN80M			
AC	132	139	139	156			
AD	105	119	119	128			
ADS	105	129	129	139			
L	364	375	400	450			
LS	419	443	468	531			
LB	149	160	185	235			
LBS	204	228	253	316			

01 021 00 14

RZ17..



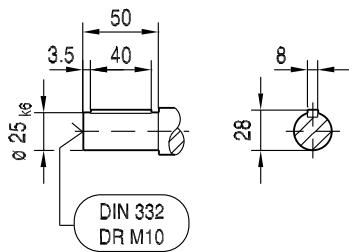
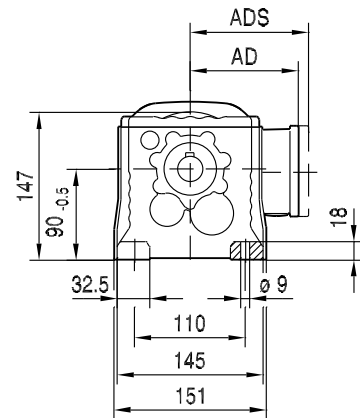
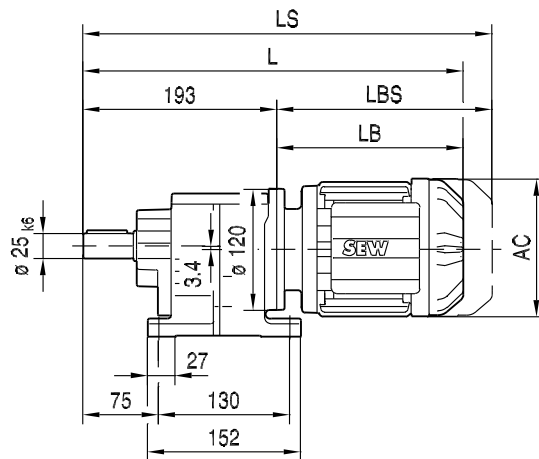
DR80..



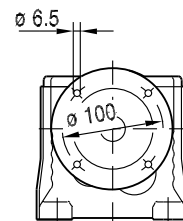
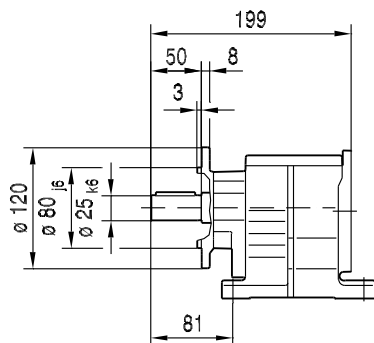
(→ 155)	DR63..	DR71S	DR71M	DRN80M				
AC	132	139	139	156				
AD	105	119	119	128				
ADS	105	129	129	139				
L	356	367	392	442				
LS	411	435	460	523				
LB	149	160	185	235				
LBS	204	228	253	316				

01 022 00 14

R27..



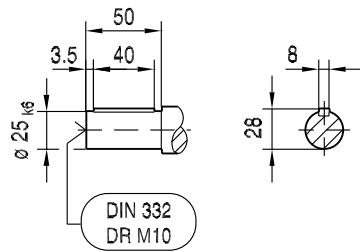
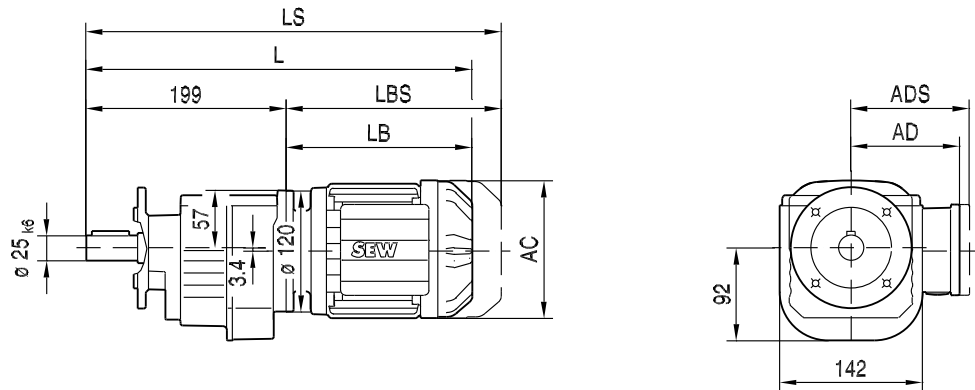
R27F..



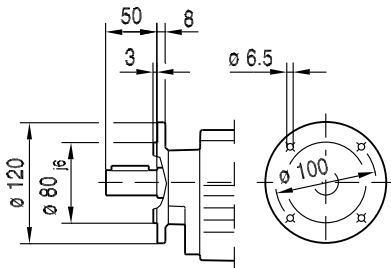
(→ 155)	DR63..	DR71S	DR71M	DRN80M	DRN90S	DRN90L	DRN100LS	DRN100L
AC	132	139	139	156	179	179	197	197
AD	105	119	119	128	140	140	157	157
ADS	105	129	129	139	150	150	158	158
L	384	395	420	475	476	508	507	557
LS	439	463	488	556	570	602	601	651
LB	191	202	227	282	283	315	314	364
LBS	246	270	295	363	377	409	408	458

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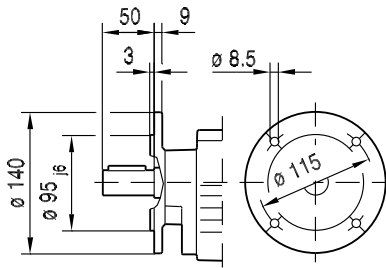
RF27..



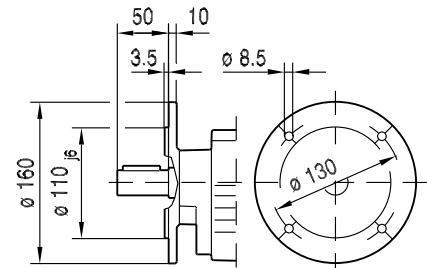
$\varnothing 120$



$\varnothing 140$



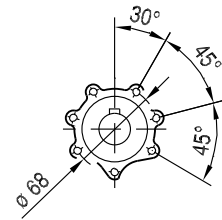
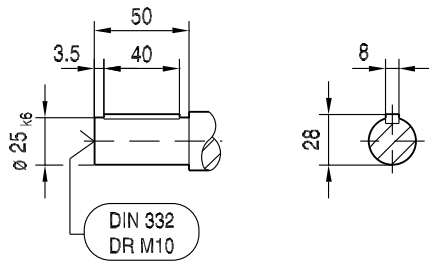
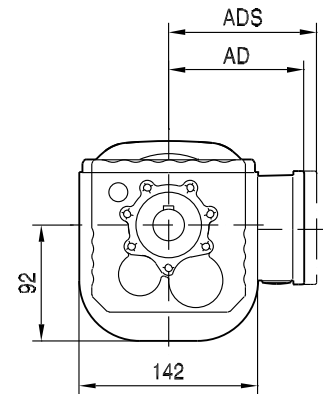
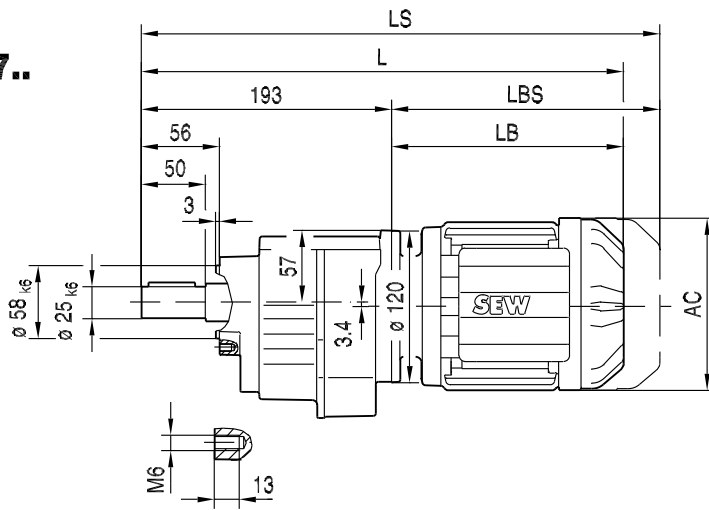
$\varnothing 160$



(→ 155)	DR63..	DR71S	DR71M	DRN80M	DRN90S	DRN90L	DRN100LS	DRN100L
AC	132	139	139	156	179	179	197	197
AD	105	119	119	128	140	140	157	157
ADS	105	129	129	139	150	150	158	158
L	390	401	426	481	482	514	513	563
LS	445	469	494	562	576	608	607	657
LB	191	202	227	282	283	315	314	364
LBS	246	270	295	363	377	409	408	458

RZ27..

01 024 00 14

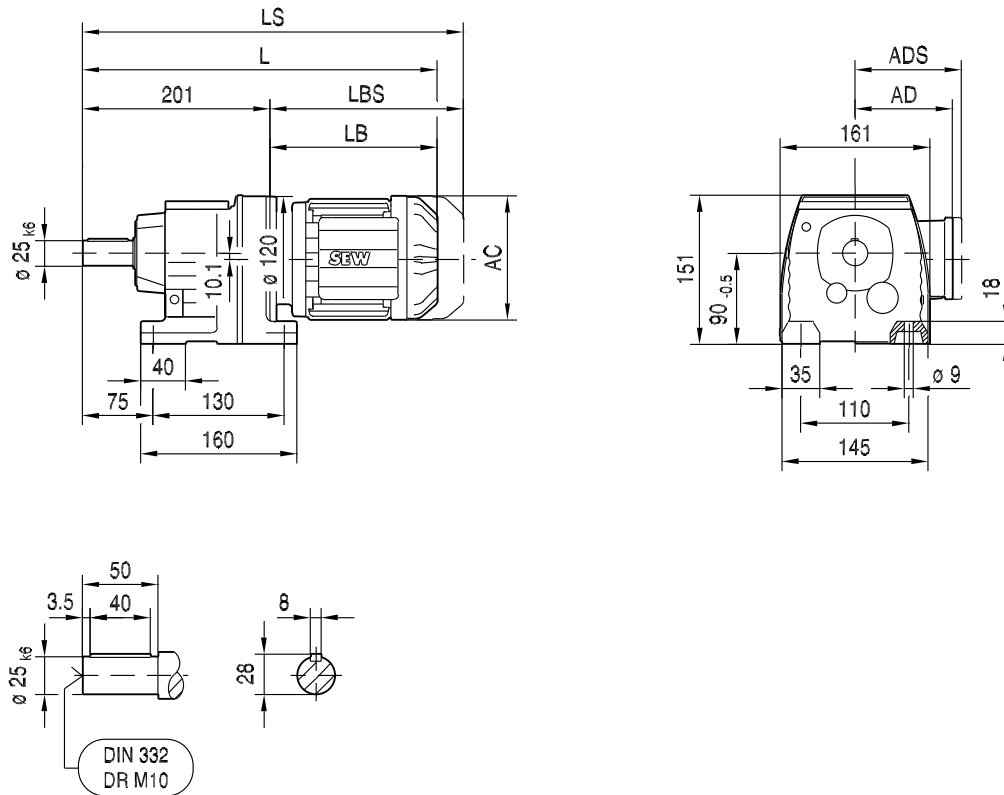


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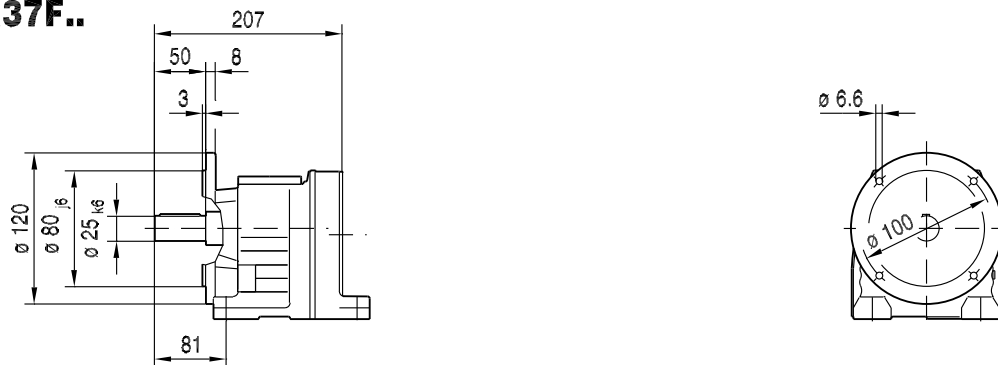
(→ 155)	DR63..	DR71S	DR71M	DRN80M	DRN90S	DRN90L	DRN100LS	DRN100L
AC	132	139	139	156	179	179	197	197
AD	105	119	119	128	140	140	157	157
ADS	105	129	129	139	150	150	158	158
L	384	395	420	475	476	508	507	557
LS	439	463	488	556	570	602	601	651
LB	191	202	227	282	283	315	314	364
LBS	246	270	295	363	377	409	408	458

01 025 00 14

R37..



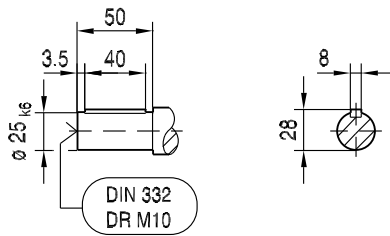
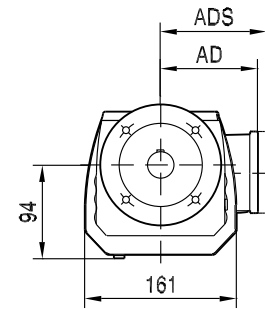
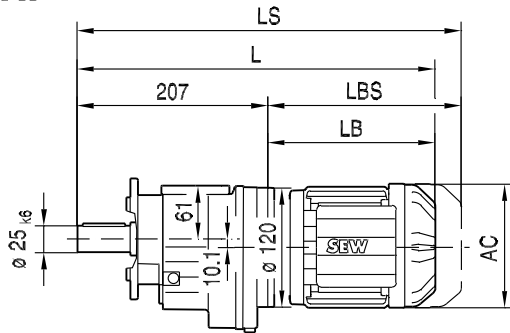
R37F..



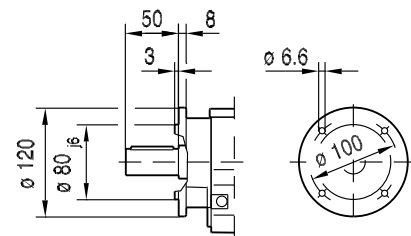
(→ 155)	DR63..	DR71S	DR71M	DRN80M	DRN90S	DRN90L	DRN100LS	DRN100L
AC	132	139	139	156	179	179	197	197
AD	105	119	119	128	140	140	157	157
ADS	105	129	129	139	150	150	158	158
L	392	403	428	483	484	516	515	565
LS	447	471	496	564	578	610	609	659
LB	191	202	227	282	283	315	314	364
LBS	246	270	295	363	377	409	408	458

01 026 00 14

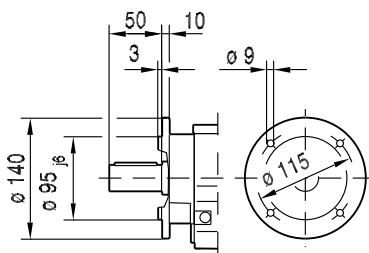
RF37..



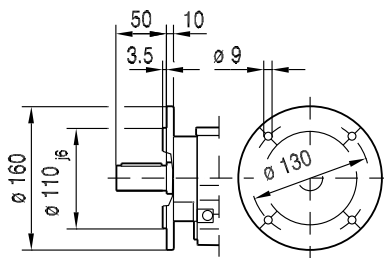
$\varnothing 120$



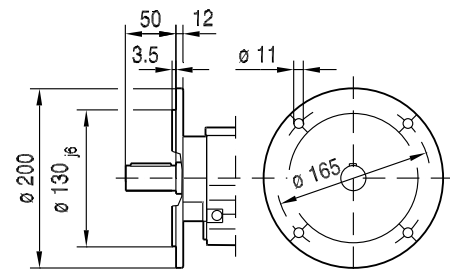
$\varnothing 140$



$\varnothing 160$



$\varnothing 200$

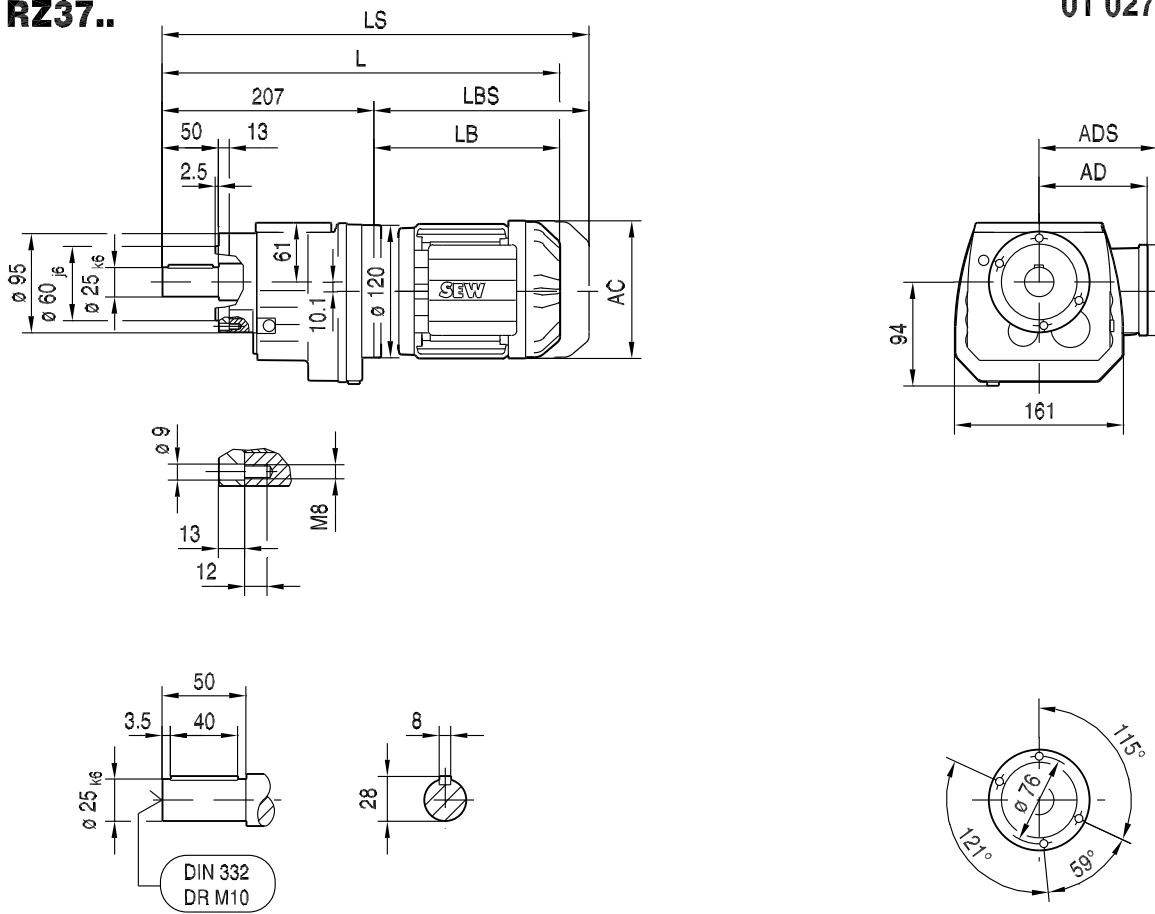


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(→ 155)	DR63..	DR71S	DR71M	DRN80M	DRN90S	DRN90L	DRN100LS	DRN100L
AC	132	139	139	156	179	179	197	197
AD	105	119	119	128	140	140	157	157
ADS	105	129	129	139	150	150	158	158
L	398	409	434	489	490	522	521	571
LS	453	477	502	570	584	616	615	665
LB	191	202	227	282	283	315	314	364
LBS	246	270	295	363	377	409	408	458

RZ37..

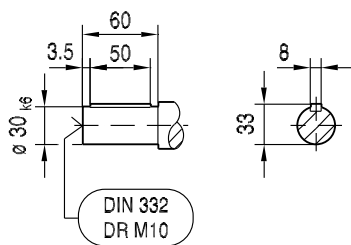
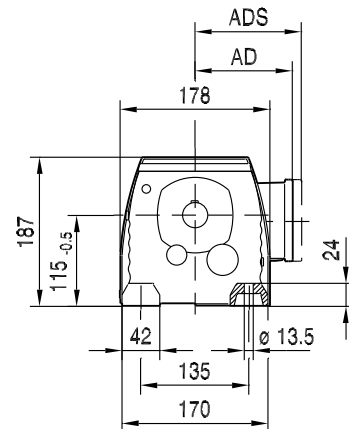
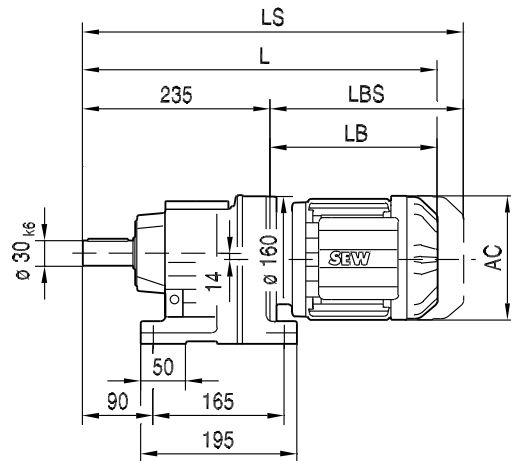
01 027 00 14



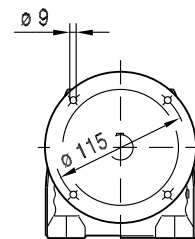
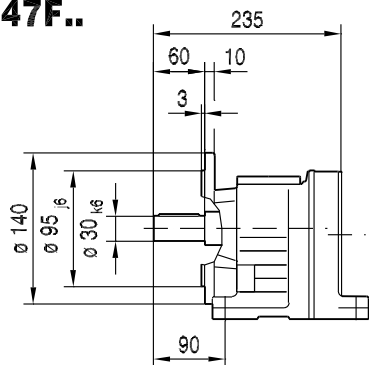
(→ 155)	DR63..	DR71S	DR71M	DRN80M	DRN90S	DRN90L	DRN100LS	DRN100L
AC	132	139	139	156	179	179	197	197
AD	105	119	119	128	140	140	157	157
ADS	105	129	129	139	150	150	158	158
L	398	409	434	489	490	522	521	571
LS	453	477	502	570	584	616	615	665
LB	191	202	227	282	283	315	314	364
LBS	246	270	295	363	377	409	408	458

01 028 00 14

R47..



R47F..

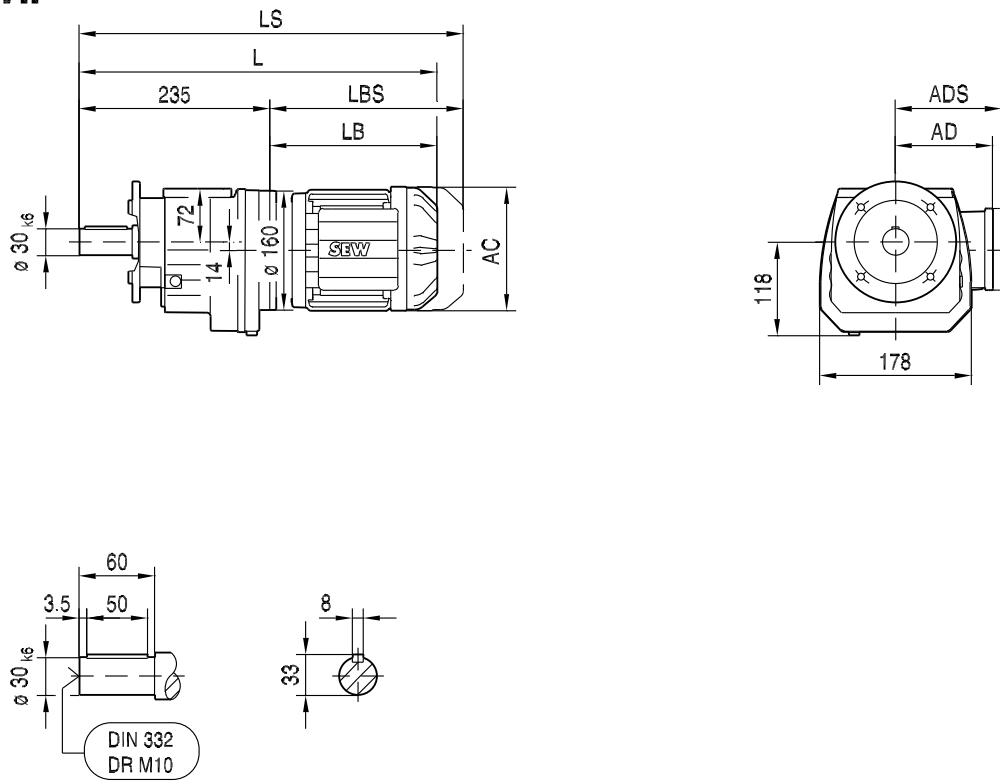


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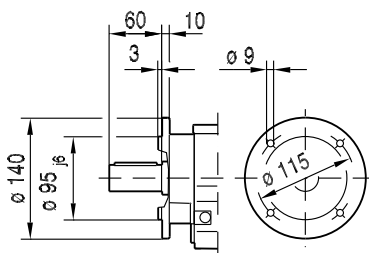
(→ 155)	DR63..	DR71S	DR71M	DRN80M	DRN90S	DRN90L	DRN100LS	DRN100L	DRN112M	DRN132S
AC	132	139	139	156	179	179	197	197	221	221
AD	105	119	119	128	140	140	157	157	170	170
ADS	105	129	129	139	150	150	158	158	172	172
L	420	431	456	510	512	544	540	590	621	675
LS	475	499	524	591	605	637	634	684	733	787
LB	185	196	221	275	277	309	305	355	386	440
LBS	240	264	289	356	370	402	399	449	498	552

01 029 00 14

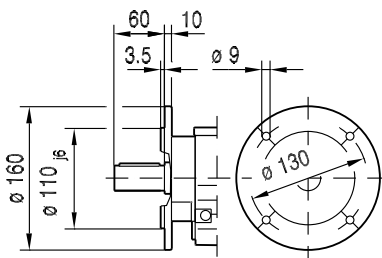
RF47..



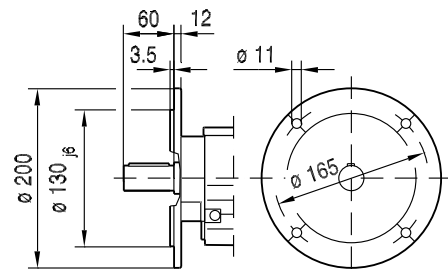
$\varnothing 140$



$\varnothing 160$



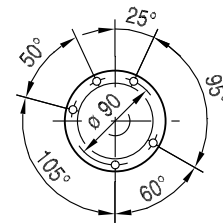
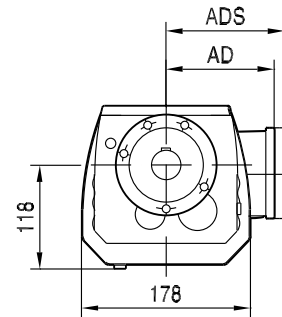
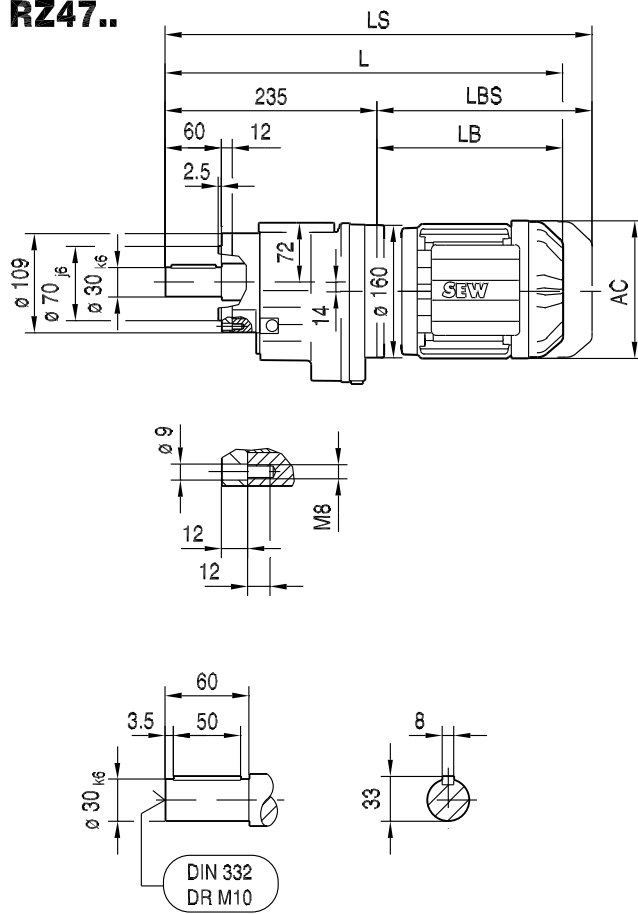
$\varnothing 200$



(→ 155)	DR63..	DR71S	DR71M	DRN80M	DRN90S	DRN90L	DRN100LS	DRN100L	DRN112M	DRN132S
AC	132	139	139	156	179	179	197	197	221	221
AD	105	119	119	128	140	140	157	157	170	170
ADS	105	129	129	139	150	150	158	158	172	172
L	420	431	456	510	512	544	540	590	621	675
LS	475	499	524	591	605	637	634	684	733	787
LB	185	196	221	275	277	309	305	355	386	440
LBS	240	264	289	356	370	402	399	449	498	552

RZ47..

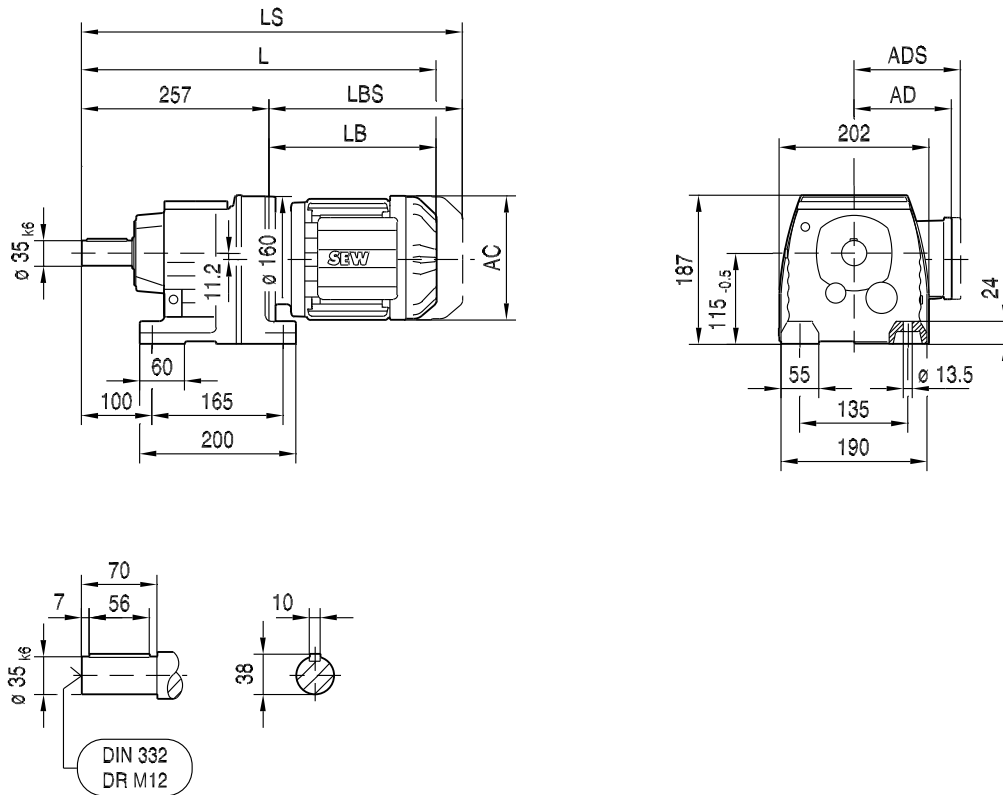
01 030 00 14



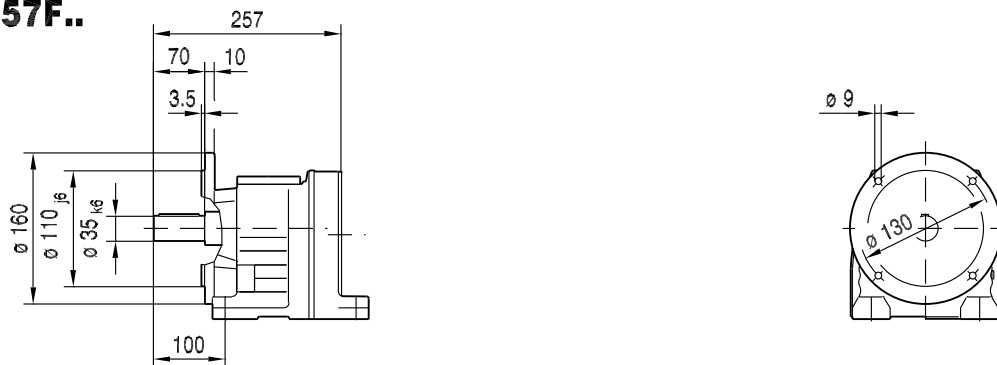
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(→ 155)	DR63..	DR71S	DR71M	DRN80M	DRN90S	DRN90L	DRN100LS	DRN100L	DRN112M	DRN132S
AC	132	139	139	156	179	179	197	197	221	221
AD	105	119	119	128	140	140	157	157	170	170
ADS	105	129	129	139	150	150	158	158	172	172
L	420	431	456	510	512	544	540	590	621	675
LS	475	499	524	591	605	637	634	684	733	787
LB	185	196	221	275	277	309	305	355	386	440
LBS	240	264	289	356	370	402	399	449	498	552

R57..



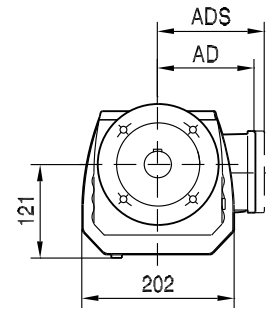
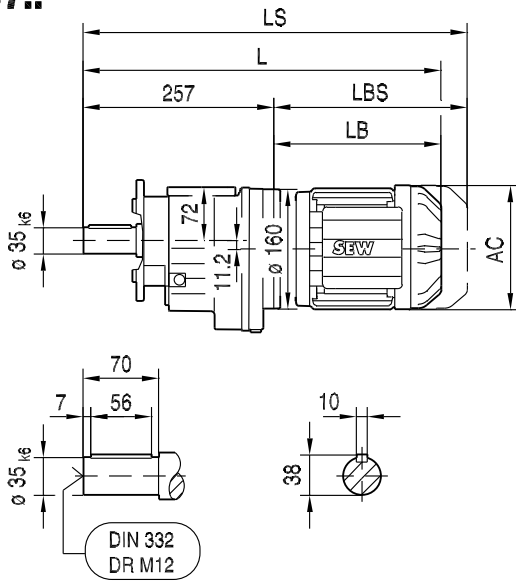
R57F..



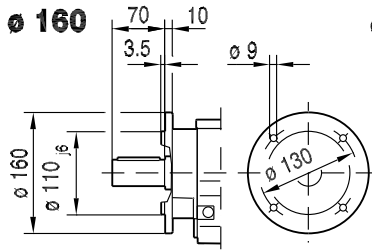
(→ 155)	DR63..	DR71S	DR71M	DRN80M	DRN90S	DRN90L	DRN100LS	DRN100L	DRN112M	DRN132S	DRN132M
AC	132	139	139	156	179	179	197	197	221	221	261
AD	105	119	119	128	140	140	157	157	170	170	228
ADS	105	129	129	139	150	150	158	158	172	172	228
L	442	453	478	532	534	566	562	612	643	697	715
LS	497	521	546	613	627	659	656	706	755	809	853
LB	185	196	221	275	277	309	305	355	386	440	458
LBS	240	264	289	356	370	402	399	449	498	552	596

RF57..

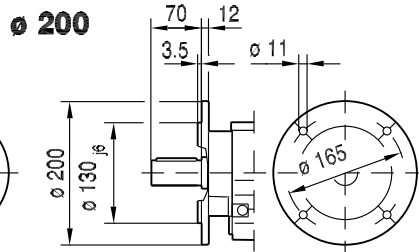
01 032 00 14



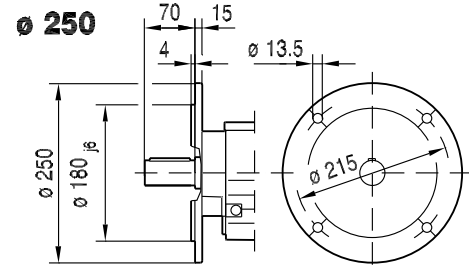
ø 160



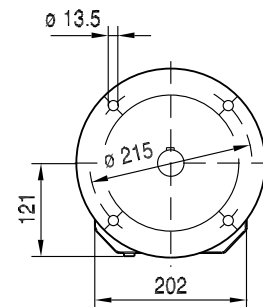
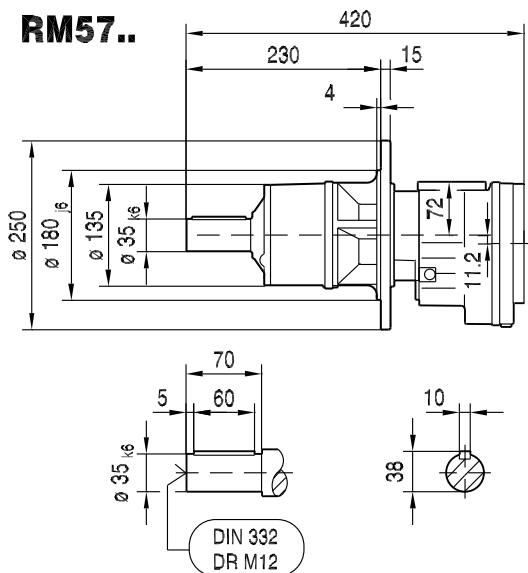
ø 200



ø 250



RM57..

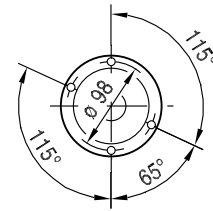
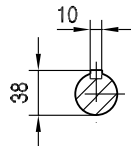
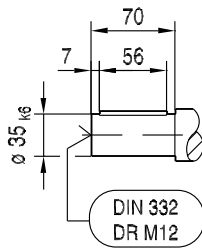
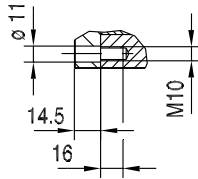
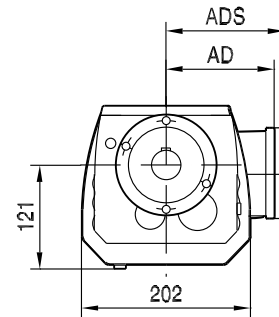
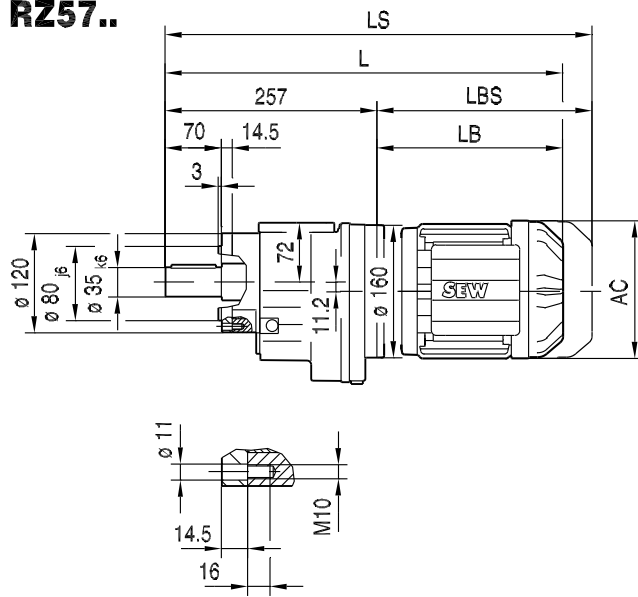


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(→ 155)	DR63..	DR71S	DR71M	DRN80M	DRN90S	DRN90L	DRN100LS	DRN100L	DRN112M	DRN132S	DRN132M
AC	132	139	139	156	179	179	197	197	221	221	261
AD	105	119	119	128	140	140	157	157	170	170	228
ADS	105	129	129	139	150	150	158	158	172	172	228
L	442	453	478	532	534	566	562	612	643	697	715
LS	497	521	546	613	627	659	656	706	755	809	853
LB	185	196	221	275	277	309	305	355	386	440	458
LBS	240	264	289	356	370	402	399	449	498	552	596

RZ57..

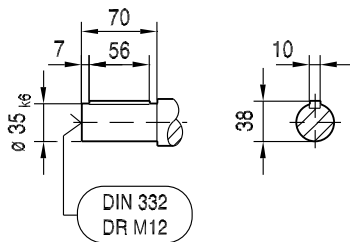
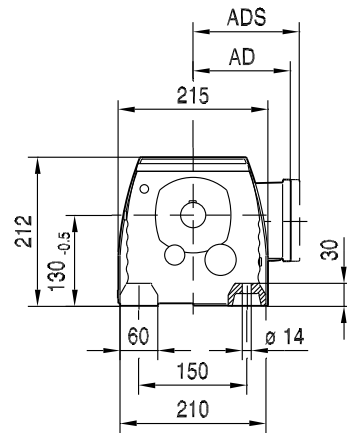
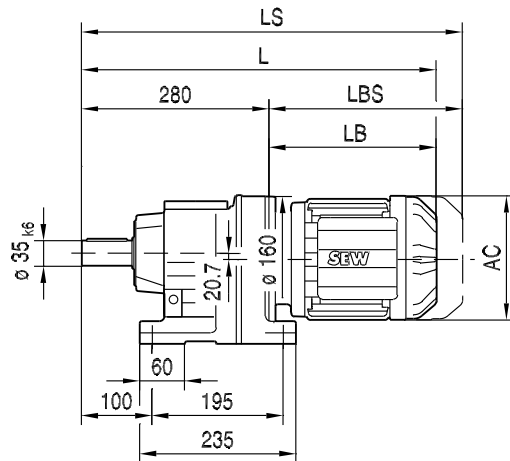
01 033 00 14



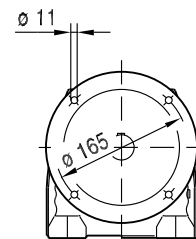
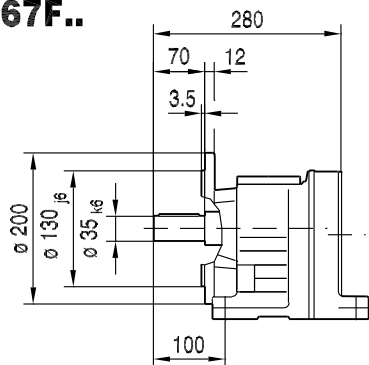
(→ 155)	DR63..	DR71S	DR71M	DRN80M	DRN90S	DRN90L	DRN100LS	DRN100L	DRN112M	DRN132S	DRN132M
AC	132	139	139	156	179	179	197	197	221	221	261
AD	105	119	119	128	140	140	157	157	170	170	228
ADS	105	129	129	139	150	150	158	158	172	172	228
L	442	453	478	532	534	566	562	612	643	697	715
LS	497	521	546	613	627	659	656	706	755	809	853
LB	185	196	221	275	277	309	305	355	386	440	458
LBS	240	264	289	356	370	402	399	449	498	552	596

01 034 00 14

R67..



R67F..

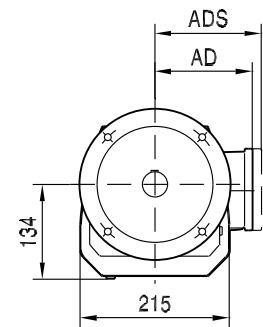
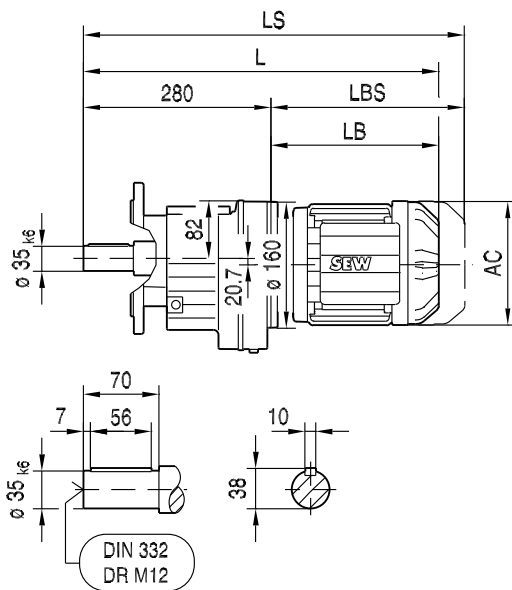


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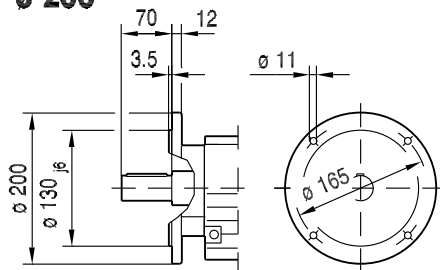
(→ 155)	DR63..	DR71S	DR71M	DRN80M	DRN90S	DRN90L	DRN100LS	DRN100L	DRN112M	DRN132S	DRN132M
AC	132	139	139	156	179	179	197	197	221	221	261
AD	105	119	119	128	140	140	157	157	170	170	228
ADS	105	129	129	139	150	150	158	158	172	172	228
L	465	476	501	555	557	589	585	635	666	720	738
LS	520	544	569	636	650	682	679	729	778	832	876
LB	185	196	221	275	277	309	305	355	386	440	458
LBS	240	264	289	356	370	402	399	449	498	552	596

01 035 00 14

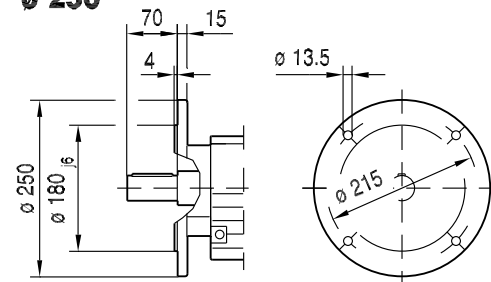
RF67..



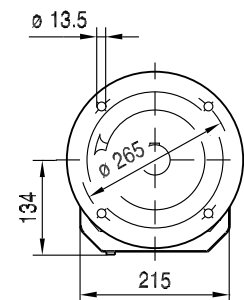
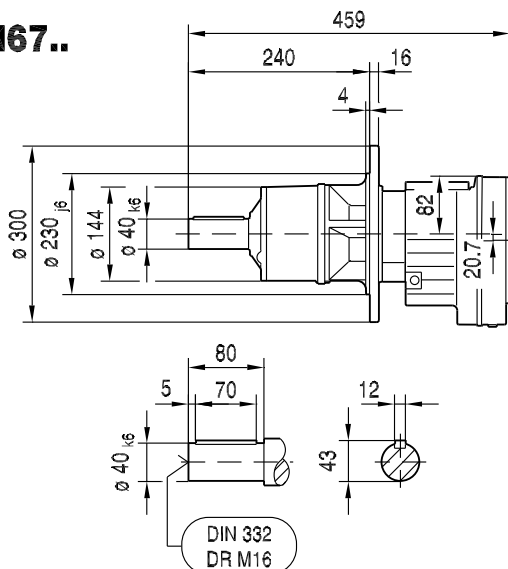
ø 200



ø 250



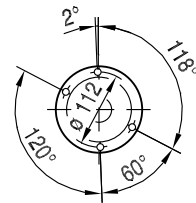
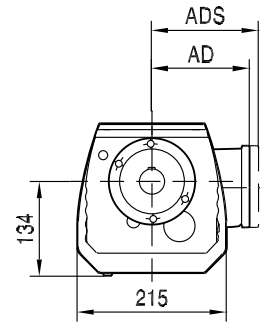
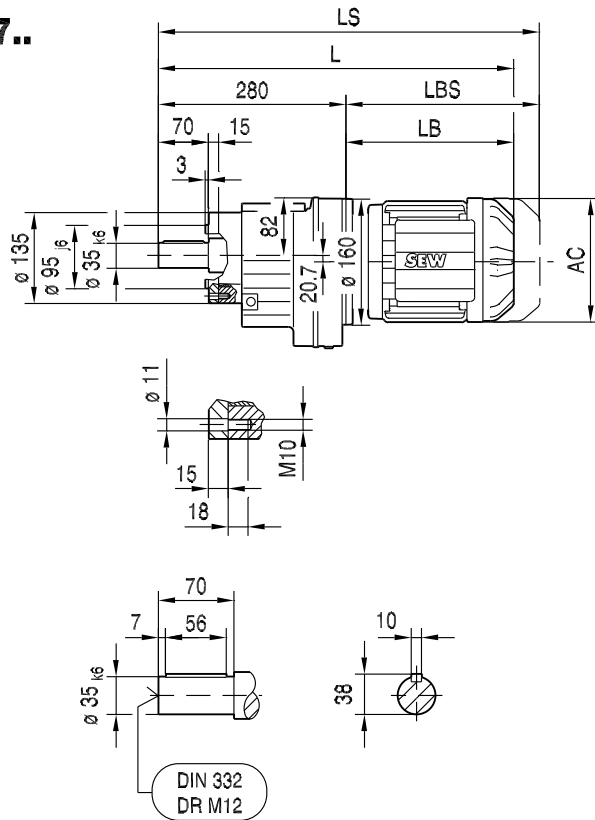
RM67..



(→ 155)	DR63..	DR71S	DR71M	DRN80M	DRN90S	DRN90L	DRN100LS	DRN100L	DRN112M	DRN132S	DRN132M
AC	132	139	139	156	179	179	197	197	221	221	261
AD	105	119	119	128	140	140	157	157	170	170	228
ADS	105	129	129	139	150	150	158	158	172	172	228
L	465	476	501	555	557	589	585	635	666	720	738
LS	520	544	569	636	650	682	679	729	778	832	876
LB	185	196	221	275	277	309	305	355	386	440	458
LBS	240	264	289	356	370	402	399	449	498	552	596

01 036 00 14

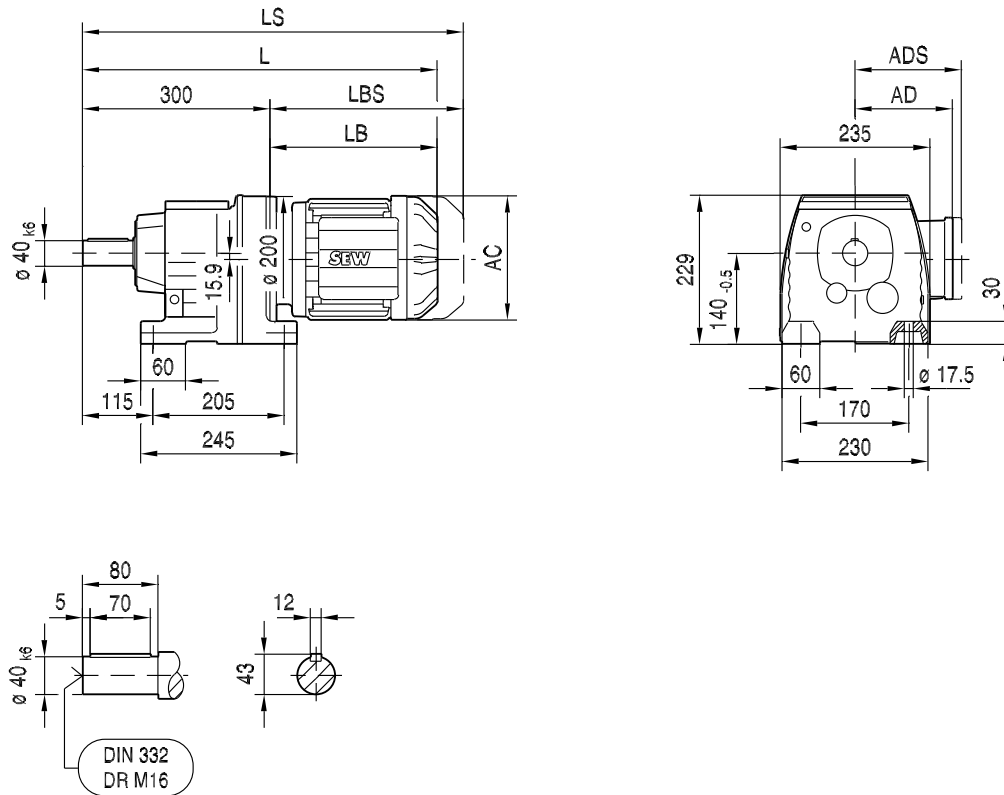
RZ67..



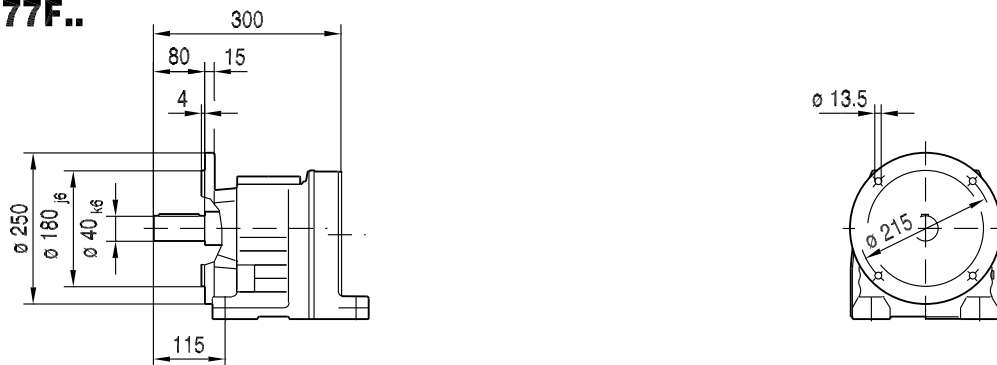
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(→ 155)	DR63..	DR71S	DR71M	DRN80M	DRN90S	DRN90L	DRN100LS	DRN100L	DRN112M	DRN132S	DRN132M
AC	132	139	139	156	179	179	197	197	221	221	261
AD	105	119	119	128	140	140	157	157	170	170	228
ADS	105	129	129	139	150	150	158	158	172	172	228
L	465	476	501	555	557	589	585	635	666	720	738
LS	520	544	569	636	650	682	679	729	778	832	876
LB	185	196	221	275	277	309	305	355	386	440	458
LBS	240	264	289	356	370	402	399	449	498	552	596

R77..



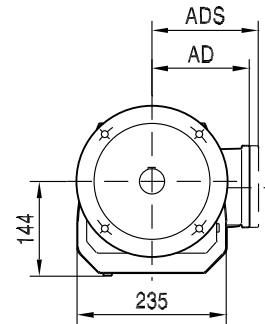
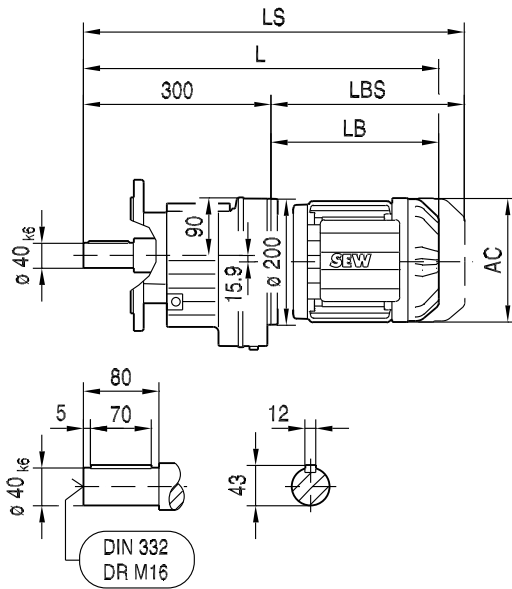
R77F..



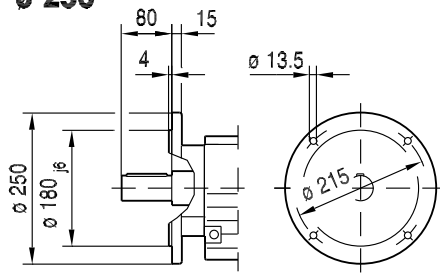
(→ 155)	DRN80M	DRN90S	DRN90L	DRN100LS	DRN100L	DRN112M	DRN132S	DRN132M	DRN132L	DRN160M
AC	156	179	179	197	197	221	221	261	261	314
AD	128	140	140	157	157	170	170	228	228	253
ADS	139	150	150	158	158	172	172	228	228	253
L	568	570	602	598	648	679	729	747	773	839
LS	649	663	695	692	742	791	841	885	910	1028
LB	268	270	302	298	348	379	429	447	473	539
LBS	349	363	395	392	442	491	541	585	610	728

01 038 00 14

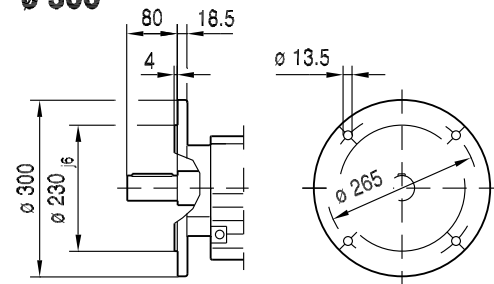
RF77..



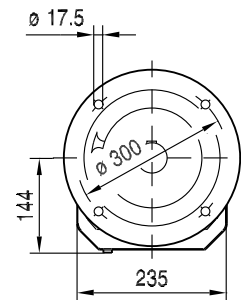
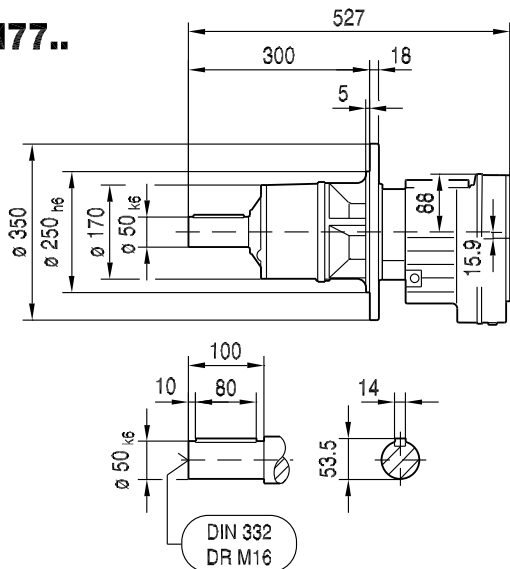
ø 250



ø 300



RM77..

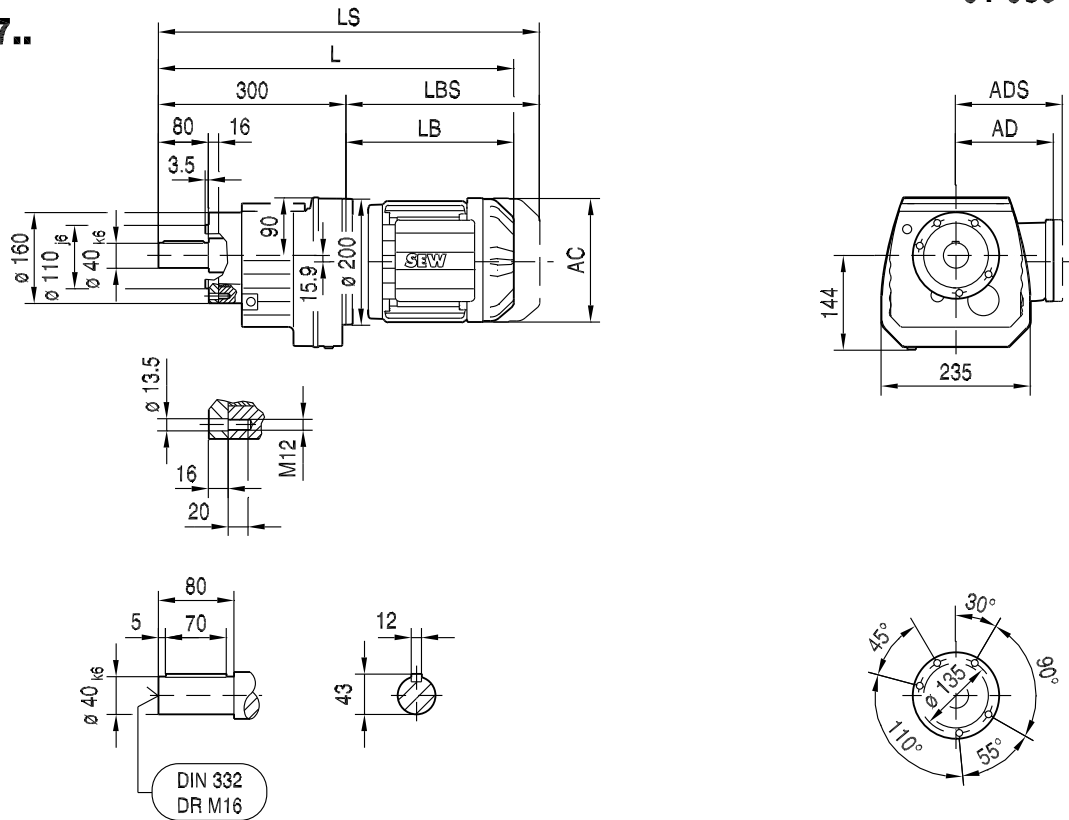


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(→ 155)	DRN80M	DRN90S	DRN90L	DRN100LS	DRN100L	DRN112M	DRN132S	DRN132M	DRN132L	DRN160M
AC	156	179	179	197	197	221	221	261	261	314
AD	128	140	140	157	157	170	170	228	228	253
ADS	139	150	150	158	158	172	172	228	228	253
L	568	570	602	598	648	679	729	747	773	839
LS	649	663	695	692	742	791	841	885	910	1028
LB	268	270	302	298	348	379	429	447	473	539
LBS	349	363	395	392	442	491	541	585	610	728

01 039 00 14

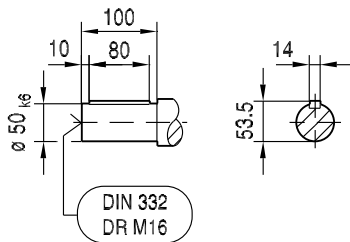
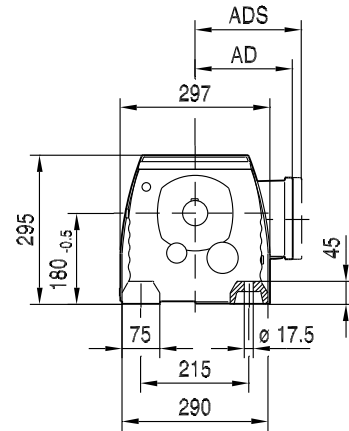
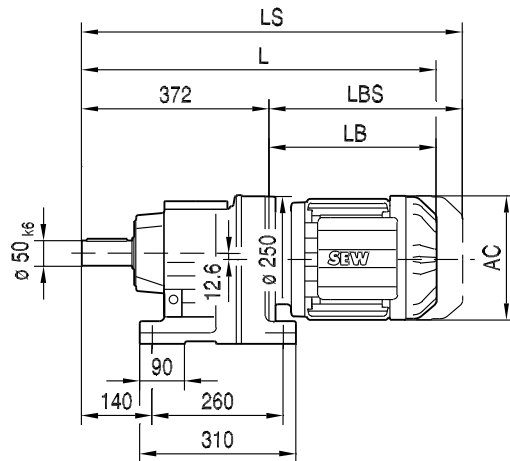
RZ77..



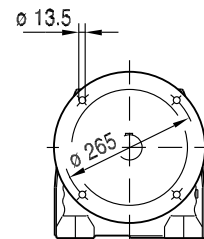
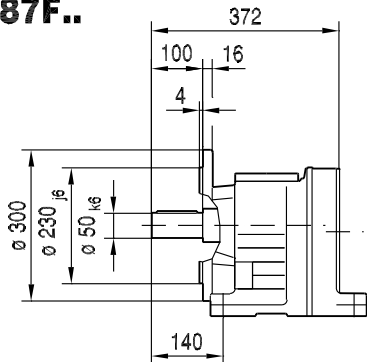
(→ 155)	DRN80M	DRN90S	DRN90L	DRN100LS	DRN100L	DRN112M	DRN132S	DRN132M	DRN132L	DRN160M
AC	156	179	179	197	197	221	221	261	261	314
AD	128	140	140	157	157	170	170	228	228	253
ADS	139	150	150	158	158	172	172	228	228	253
L	568	570	602	598	648	679	729	747	773	839
LS	649	663	695	692	742	791	841	885	910	1028
LB	268	270	302	298	348	379	429	447	473	539
LBS	349	363	395	392	442	491	541	585	610	728

01 040 00 14

R87..



R87F..

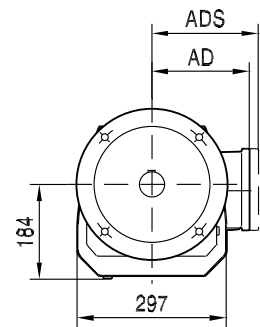
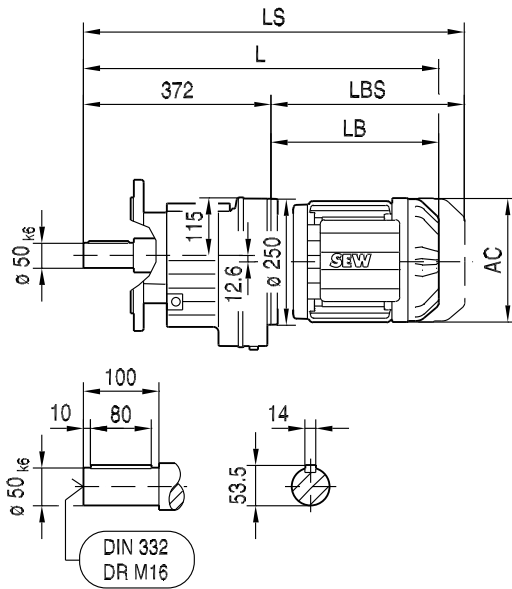


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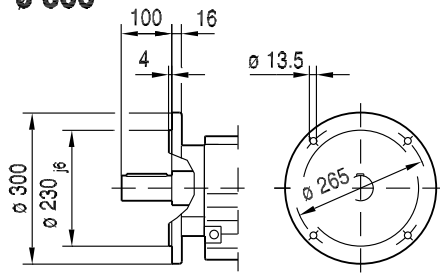
(→ 155)	DRN90L	DRN100LS	DRN100L	DRN112M	DRN132S	DRN132M	DRN132L	DRN160M	DRN160L	DRN180..
AC	179	197	197	221	221	261	261	314	314	357
AD	140	157	157	170	170	228	228	253	253	268
ADS	150	158	158	172	172	228	228	253	253	268
L	669	665	715	746	796	814	840	906	906	929
LS	762	759	809	858	908	952	977	1095	1095	1118
LB	297	293	343	374	424	442	468	534	534	557
LBS	390	387	437	486	536	580	605	723	723	746

01 041 00 14

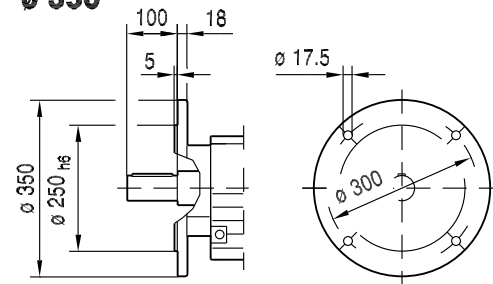
RF87..



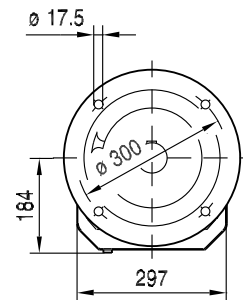
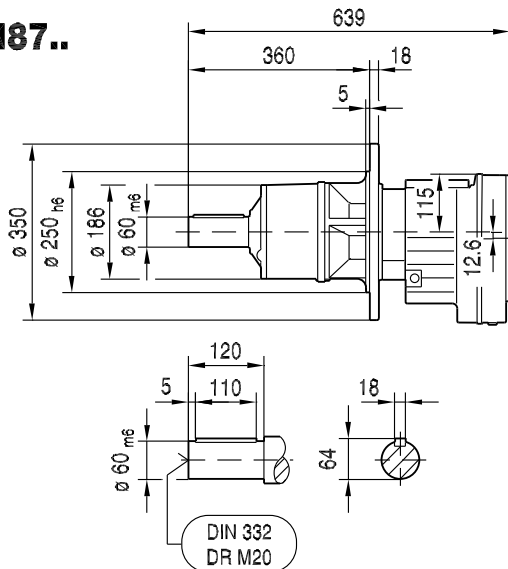
ø 300



ø 350



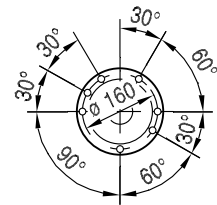
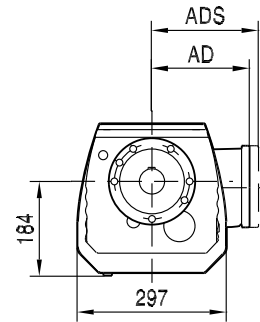
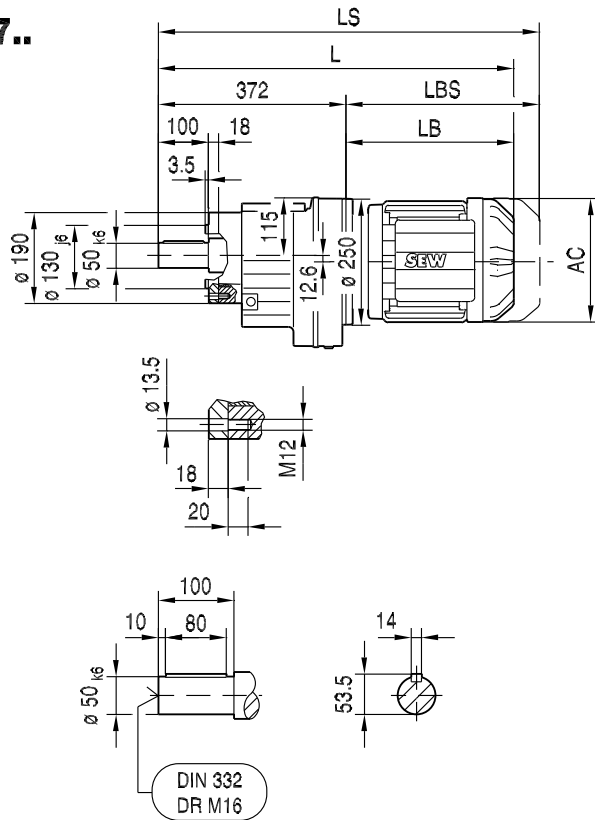
RM87..



(→ 155)	DRN90L	DRN100LS	DRN100L	DRN112M	DRN132S	DRN132M	DRN132L	DRN160M	DRN160L	DRN180..
AC	179	197	197	221	221	261	261	314	314	357
AD	140	157	157	170	170	228	228	253	253	268
ADS	150	158	158	172	172	228	228	253	253	268
L	669	665	715	746	796	814	840	906	906	929
LS	762	759	809	858	908	952	977	1095	1095	1118
LB	297	293	343	374	424	442	468	534	534	557
LBS	390	387	437	486	536	580	605	723	723	746

01 042 00 14

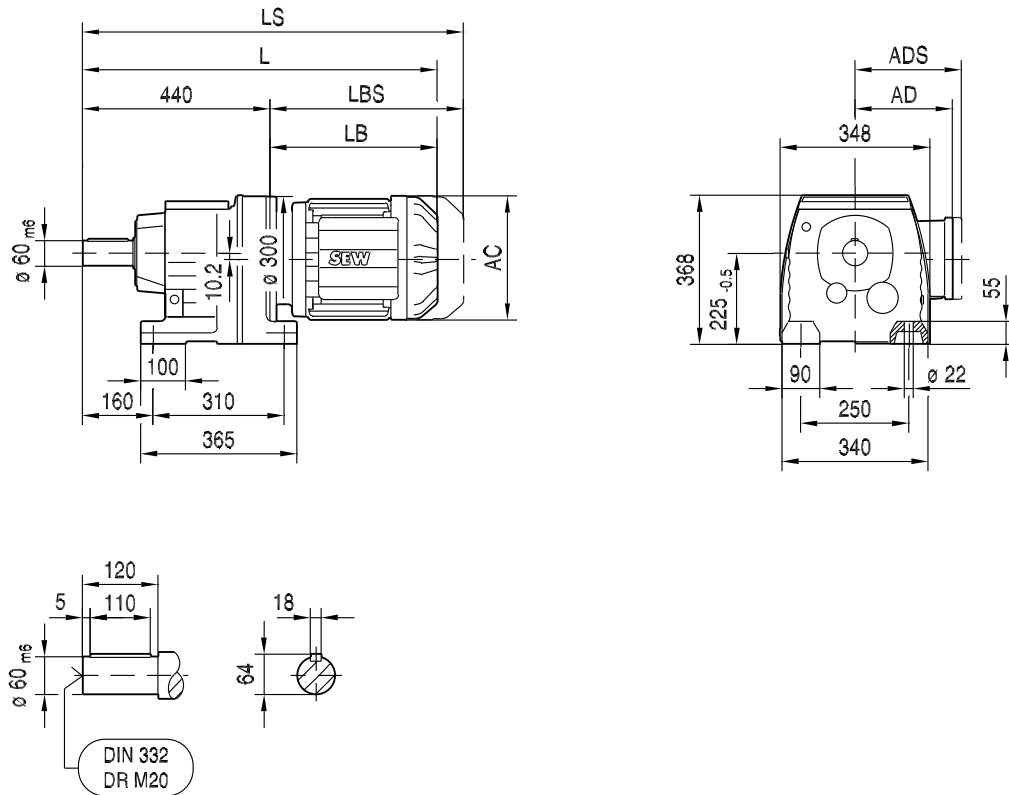
RZ87..



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(→ 155)	DRN90L	DRN100LS	DRN100L	DRN112M	DRN132S	DRN132M	DRN132L	DRN160M	DRN160L	DRN180..
AC	179	197	197	221	221	261	261	314	314	357
AD	140	157	157	170	170	228	228	253	253	268
ADS	150	158	158	172	172	228	228	253	253	268
L	669	665	715	746	796	814	840	906	906	929
LS	762	759	809	858	908	952	977	1095	1095	1118
LB	297	293	343	374	424	442	468	534	534	557
LBS	390	387	437	486	536	580	605	723	723	746

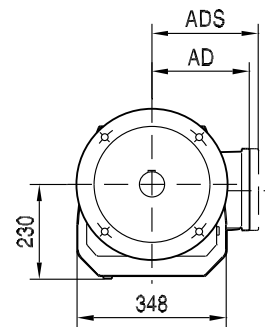
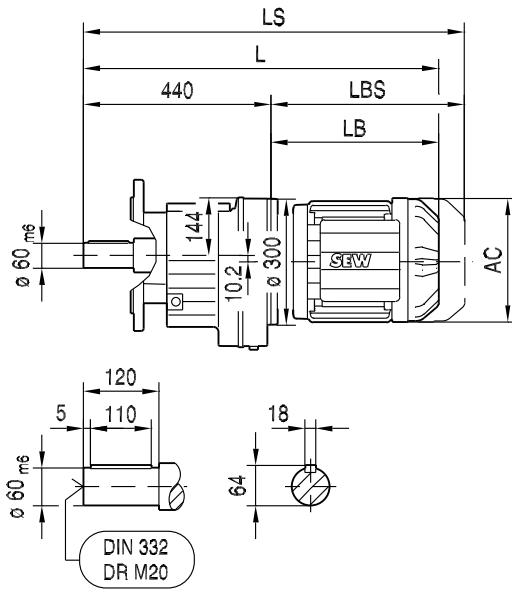
R97..



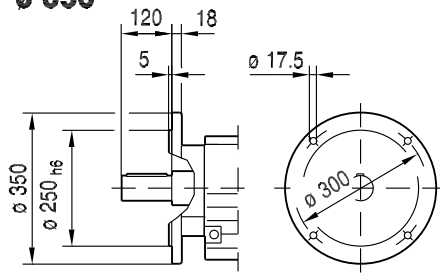
(→ 155)	DRN100LS	DRN100L	DRN112M	DRN132S	DRN132M	DRN132L	DRN160M	DRN160L	DRN180..	DRN200L
AC	197	197	221	221	261	261	314	314	357	394
AD	157	157	170	170	228	228	253	253	268	283
ADS	158	158	172	172	228	228	253	253	268	283
L	728	778	809	859	877	903	969	969	992	1102
LS	822	872	921	971	1015	1040	1158	1158	1181	1307
LB	288	338	369	419	437	463	529	529	552	662
LBS	382	432	481	531	575	600	718	718	741	867

01 044 00 14

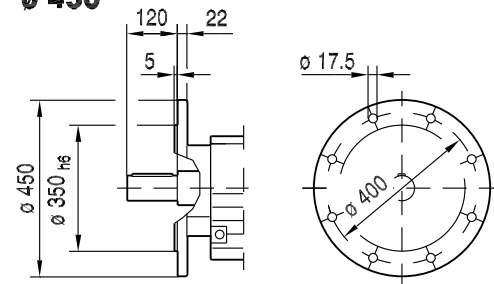
RF97..



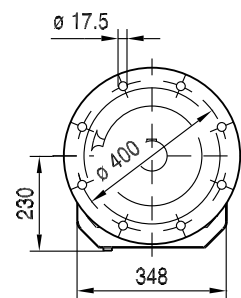
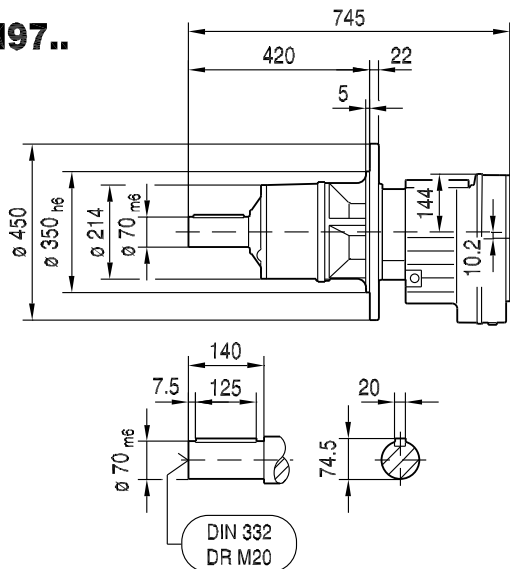
ø 350



ø 450



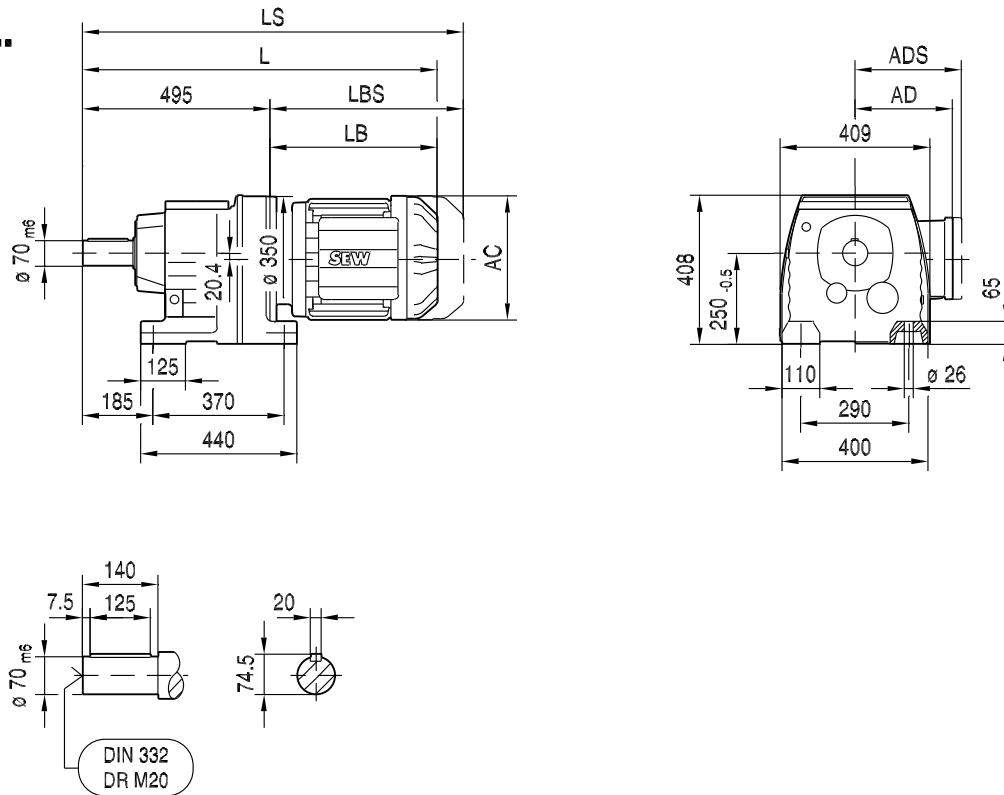
RM97..



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(→ 155)	DRN100LS	DRN100L	DRN112M	DRN132S	DRN132M	DRN132L	DRN160M	DRN160L	DRN180..	DRN200L
AC	197	197	221	221	261	261	314	314	357	394
AD	157	157	170	170	228	228	253	253	268	283
ADS	158	158	172	172	228	228	253	253	268	283
L	728	778	809	859	877	903	969	969	992	1102
LS	822	872	921	971	1015	1040	1158	1158	1181	1307
LB	288	338	369	419	437	463	529	529	552	662
LBS	382	432	481	531	575	600	718	718	741	867

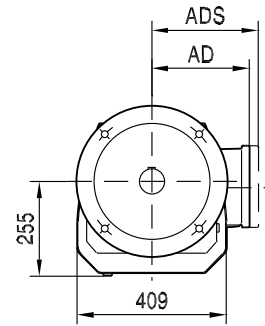
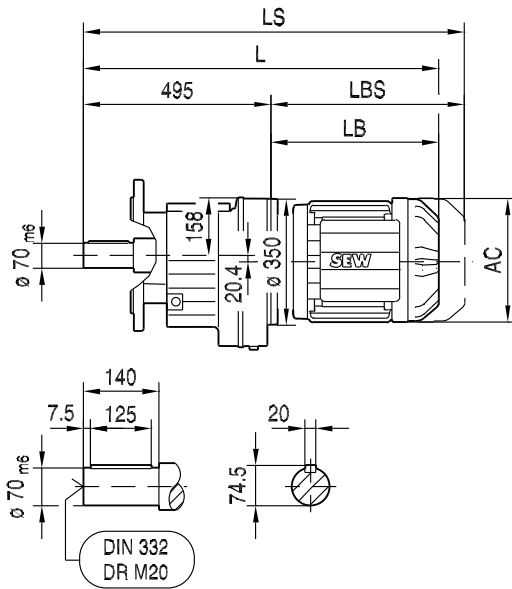
R107..



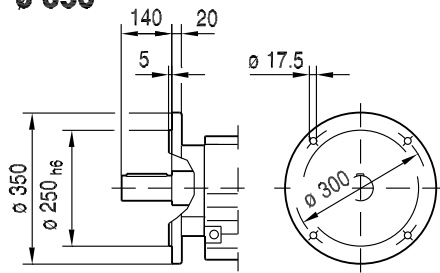
(→ 155)	DRN100L	DRN112M	DRN132S	DRN132M	DRN132L	DRN160M	DRN160L	DRN180..	DRN200L	DRN225..
AC	197	221	221	261	261	314	314	357	394	434
AD	157	170	170	228	228	253	253	268	283	305
ADS	158	172	172	228	228	253	253	268	283	305
L	827	858	908	926	952	1018	1018	1041	1151	1125
LS	921	970	1020	1064	1089	1207	1207	1230	1356	1330
LB	332	363	413	431	457	523	523	546	656	630
LBS	426	475	525	569	594	712	712	735	861	835

01 046 00 14

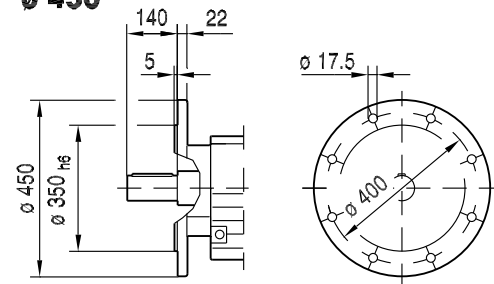
RF107..



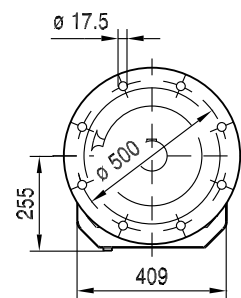
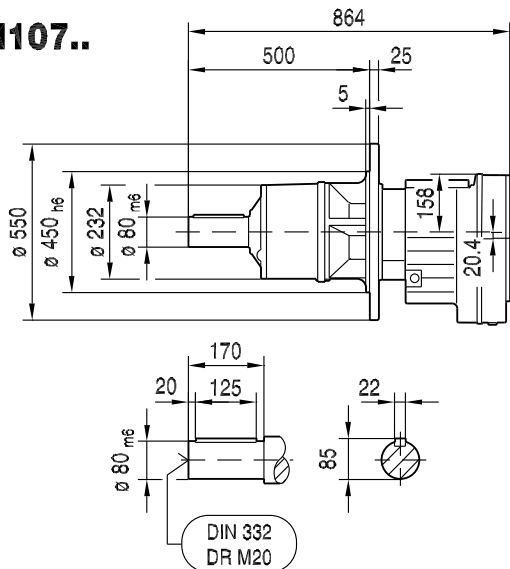
ø 350



ø 450



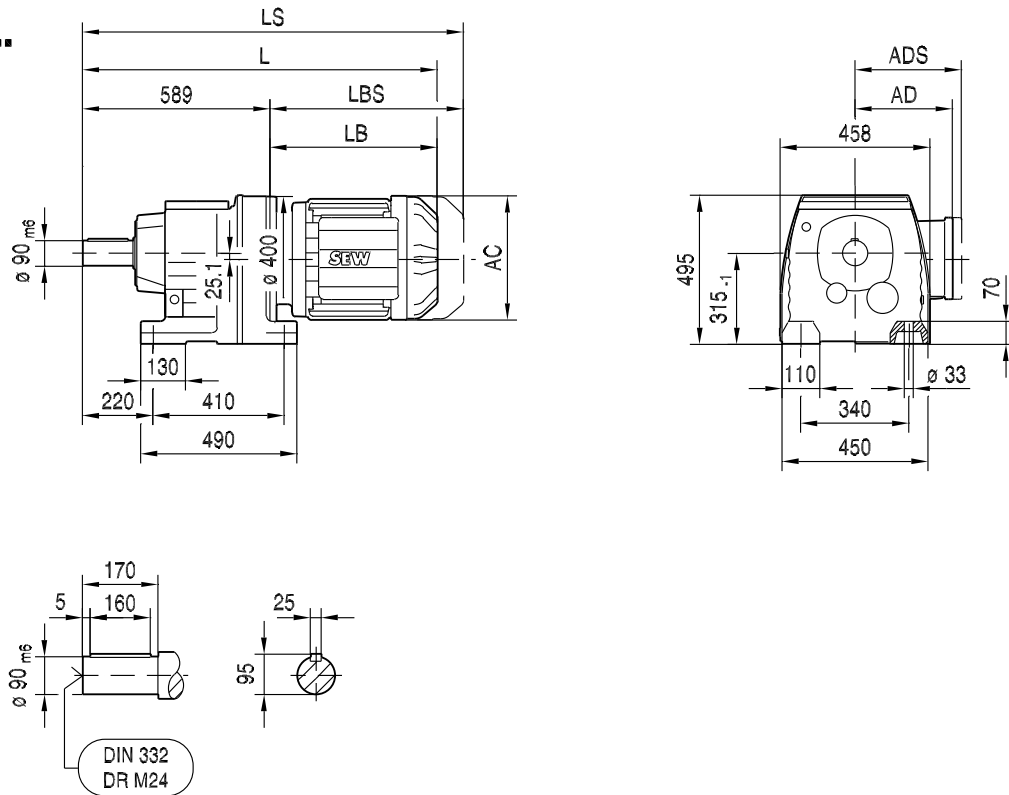
RM107..



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(→ 155)	DRN100L	DRN112M	DRN132S	DRN132M	DRN132L	DRN160M	DRN160L	DRN180..	DRN200L	DRN225..
AC	197	221	221	261	261	314	314	357	394	434
AD	157	170	170	228	228	253	253	268	283	305
ADS	158	172	172	228	228	253	253	268	283	305
L	827	858	908	926	952	1018	1018	1041	1151	1125
LS	921	970	1020	1064	1089	1207	1207	1230	1356	1330
LB	332	363	413	431	457	523	523	546	656	630
LBS	426	475	525	569	594	712	712	735	861	835

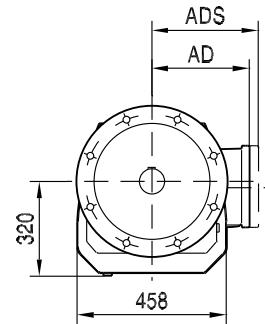
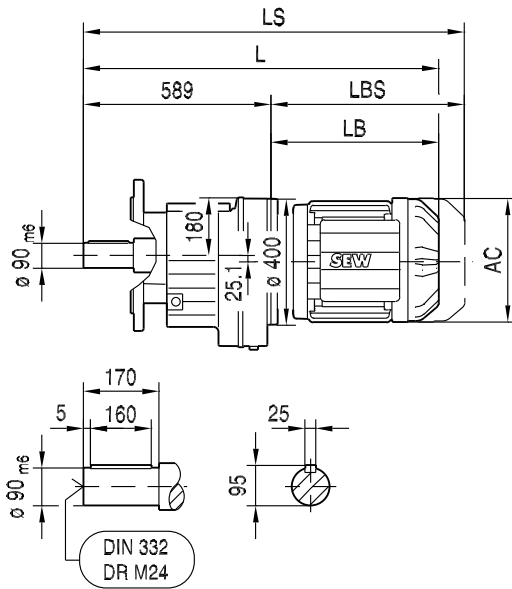
R137..



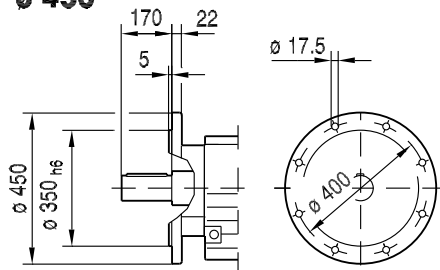
(→ 155)	DRN132S	DRN132M	DRN132L	DRN160M	DRN160L	DRN180..	DRN200L	DRN225..	DRN250M
AC	221	261	261	314	314	357	394	434	495
AD	170	228	228	253	253	268	283	305	394
ADS	172	228	228	253	253	268	283	305	394
L	995	1013	1039	1105	1105	1128	1238	1212	1349
LS	1107	1151	1176	1294	1294	1317	1443	1417	1589
LB	406	424	450	516	516	539	649	623	760
LBS	518	562	587	705	705	728	854	828	1000

01 048 00 14

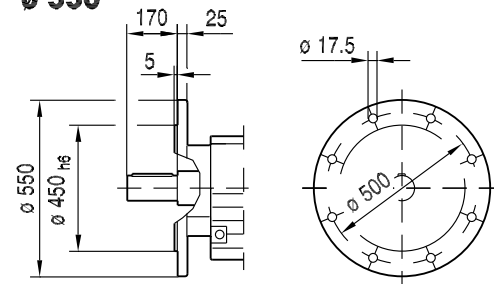
RF137..



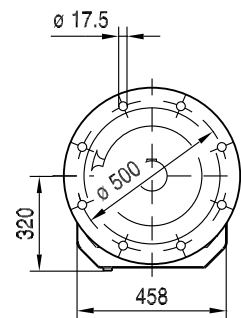
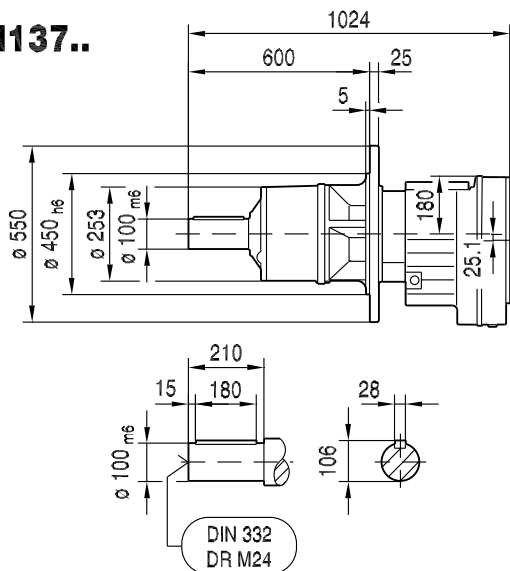
ø 450



ø 550



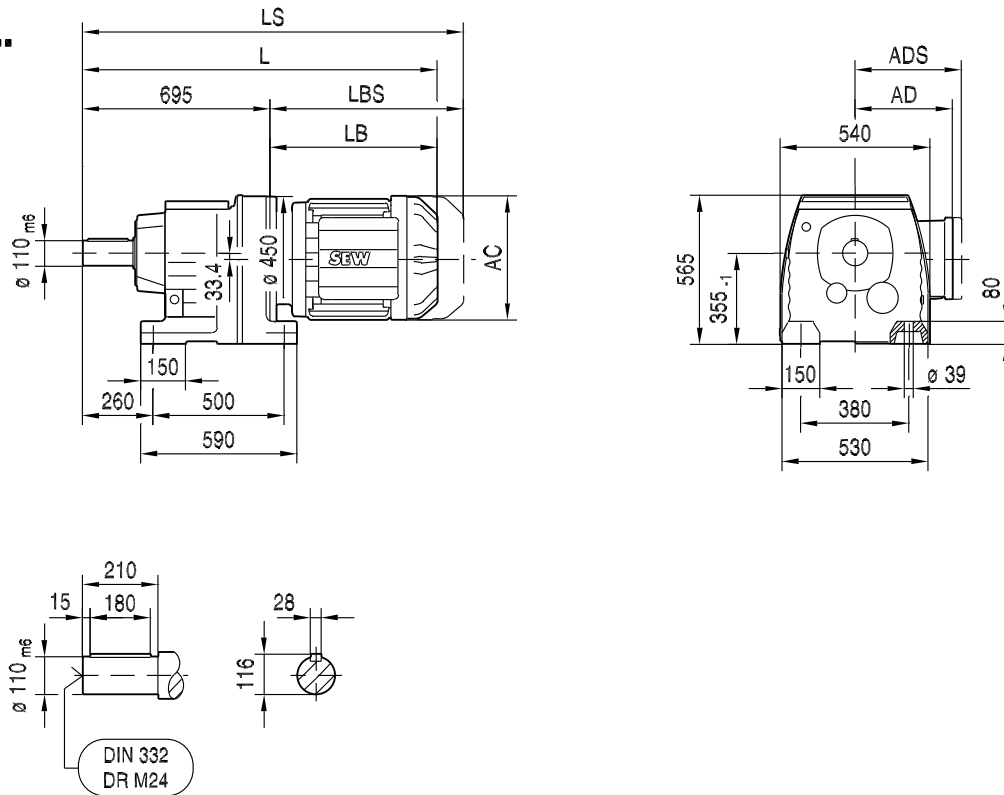
RM137..



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(→ 155)	DRN132S	DRN132M	DRN132L	DRN160M	DRN160L	DRN180..	DRN200L	DRN225..	DRN250M
AC	221	261	261	314	314	357	394	434	495
AD	170	228	228	253	253	268	283	305	394
ADS	172	228	228	253	253	268	283	305	394
L	995	1013	1039	1105	1105	1128	1238	1212	1349
LS	1107	1151	1176	1294	1294	1317	1443	1417	1589
LB	406	424	450	516	516	539	649	623	760
LBS	518	562	587	705	705	728	854	828	1000

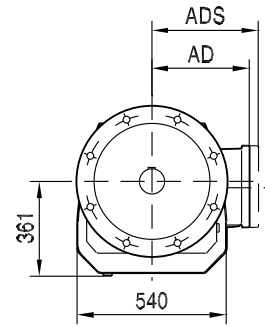
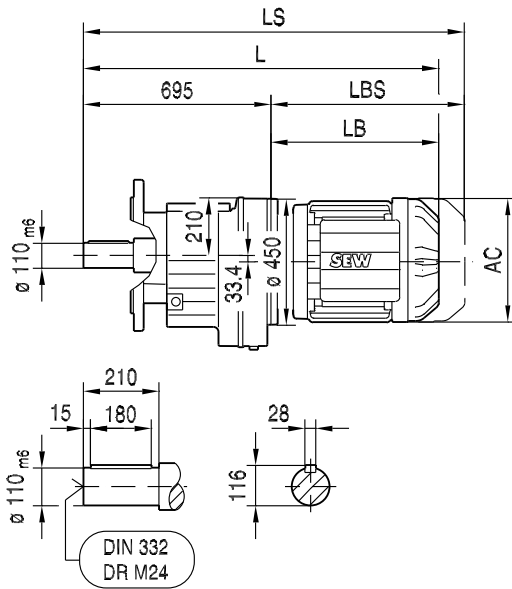
R147..



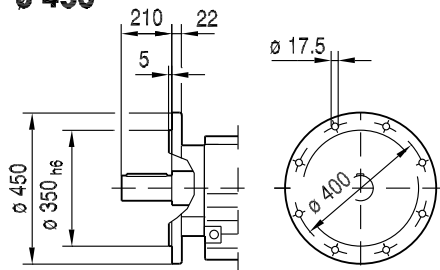
(→ 155)	DRN132L	DRN160M	DRN160L	DRN180..	DRN200L	DRN225..	DRN250M	DRN280S	DRN280M
AC	261	314	314	357	394	434	495	495	495
AD	228	253	253	268	283	305	394	394	394
ADS	228	253	253	268	283	305	394	394	394
L	1137	1203	1203	1226	1336	1310	1447	1447	1542
LS	1274	1392	1392	1415	1541	1515	1687	1687	1782
LB	442	508	508	531	641	615	752	752	847
LBS	579	697	697	720	846	820	992	992	1087

01 050 00 14

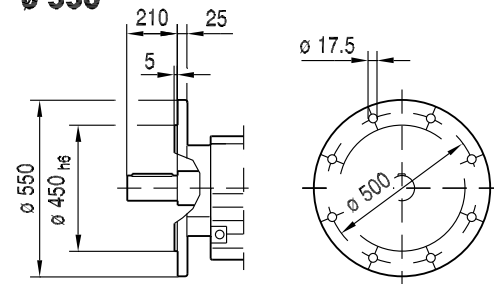
RF147..



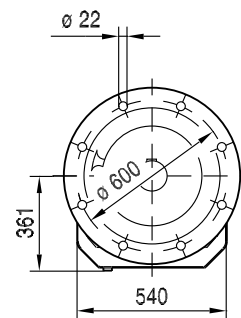
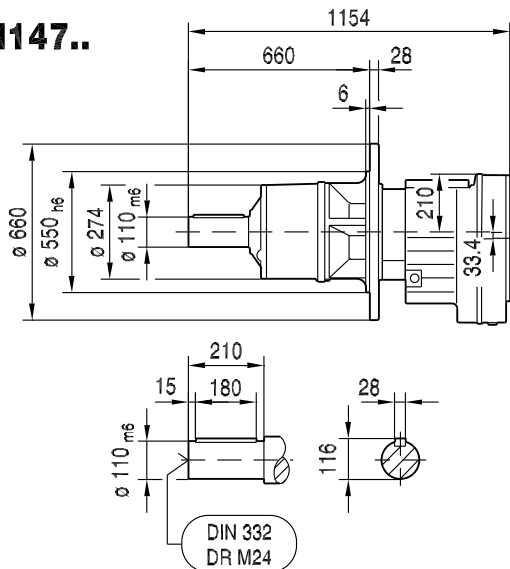
ø 450



ø 550



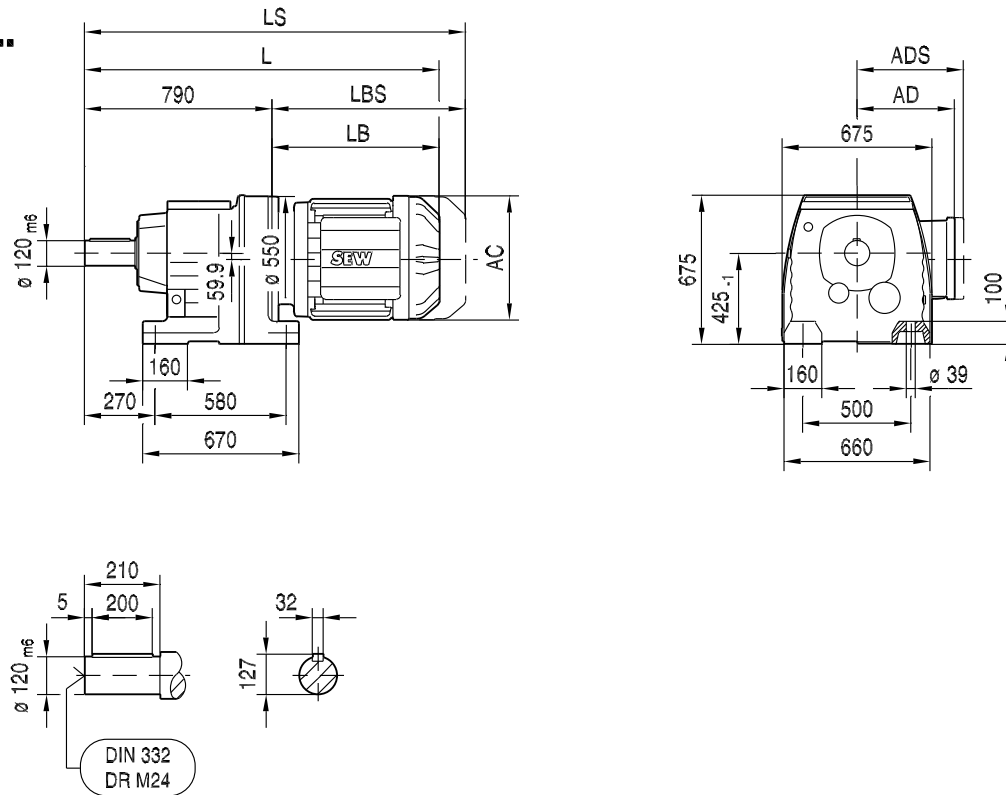
RM147..



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(→ 155)	DRN132L	DRN160M	DRN160L	DRN180..	DRN200L	DRN225..	DRN250M	DRN280S	DRN280M
AC	261	314	314	357	394	434	495	495	495
AD	228	253	253	268	283	305	394	394	394
ADS	228	253	253	268	283	305	394	394	394
L	1137	1203	1203	1226	1336	1310	1447	1447	1542
LS	1274	1392	1392	1415	1541	1515	1687	1687	1782
LB	442	508	508	531	641	615	752	752	847
LBS	579	697	697	720	846	820	992	992	1087

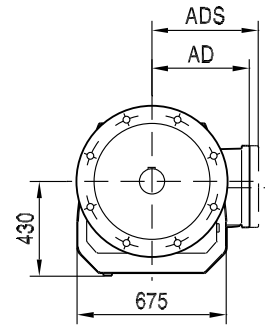
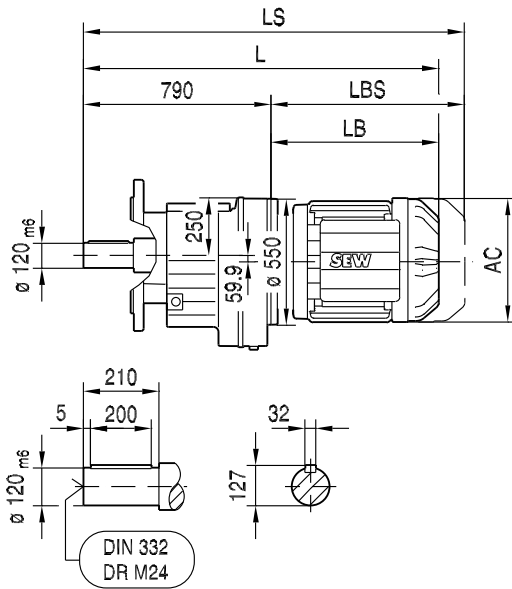
R167..



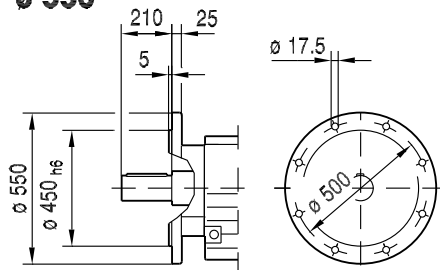
(→ 155)	DRN160L	DRN180..	DRN200L	DRN225..	DRN250M	DRN280S	DRN280M	DRN315S-M	DRN315ME-H
AC	314	357	394	434	495	495	495	624	624
AD	253	268	283	305	394	394	394	506	506
ADS	253	268	283	305	394	394	394	506	506
L	1290	1313	1423	1397	1534	1534	1629	1731	1861
LS	1479	1502	1628	1602	1774	1774	1869	1982	2112
LB	500	523	633	607	744	744	839	941	1071
LBS	689	712	838	812	984	984	1079	1192	1322

01 052 00 14

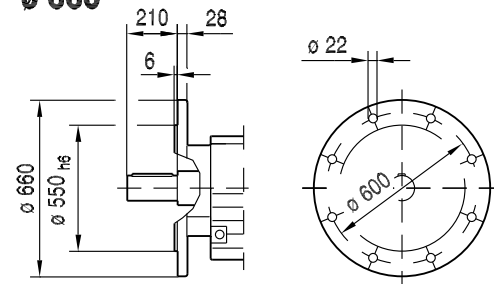
RF167..



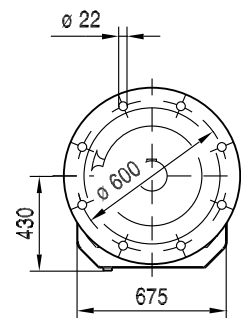
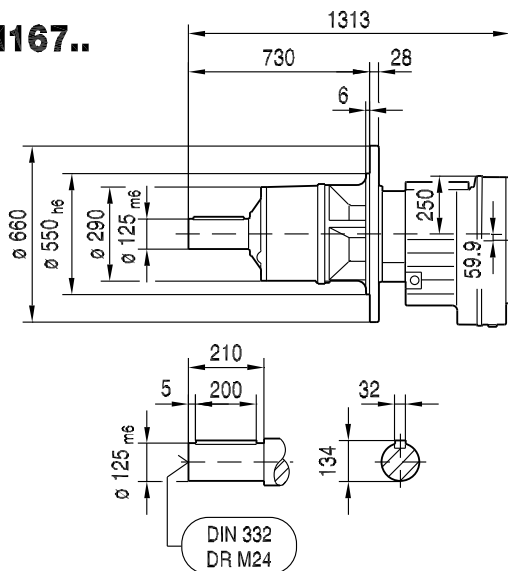
ø 550



ø 660

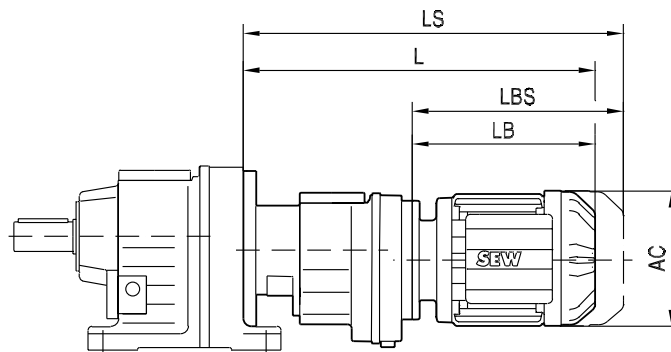


RM167..



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(→ 155)	DRN160L	DRN180..	DRN200L	DRN225..	DRN250M	DRN280S	DRN280M	DRN315S-M	DRN315ME-H
AC	314	357	394	434	495	495	495	624	624
AD	253	268	283	305	394	394	394	506	506
ADS	253	268	283	305	394	394	394	506	506
L	1290	1313	1423	1397	1534	1534	1629	1731	1861
LS	1479	1502	1628	1602	1774	1774	1869	1982	2112
LB	500	523	633	607	744	744	839	941	1071
LBS	689	712	838	812	984	984	1079	1192	1322



(→ 155)		AC	L	LS	LB	LBS
R..27R17	DR63..	132	324	379	149	204
R..37R17	DR63..	132	324	379	149	204
	DR71S	139	335	403	160	228
R..47R37	DR63..	132	356	411	191	246
	DR71S	139	367	434	202	269
	DR71M	139	392	459	227	294
R..57R37	DR63..	132	356	411	191	246
	DR71S	139	367	434	202	269
	DR71M	139	392	459	227	294
R..67R37	DR63..	132	356	411	191	246
	DR71S	139	367	434	202	269
	DR71M	139	392	459	227	294
	DRN80M	156	446	527	281	362
R..77R37	DR63..	132	348	403	191	246
	DR71S	139	359	426	202	269
	DR71M	139	384	451	227	294
	DRN80M	156	438	519	281	362
	DRN90S	179	440	533	283	376
R..87R57	DR63..	132	412	467	185	240
	DR71S	139	423	491	196	264
	DR71M	139	448	516	221	289
	DRN80M	156	502	583	275	356
	DRN90S	179	504	597	277	370
R..97R57	DRN90L	179	536	629	309	402
	DR63..	132	407	462	185	240
	DR71S	139	418	486	196	264
	DR71M	139	443	511	221	289
	DRN80M	156	497	578	275	356
	DRN90S	179	499	592	277	370
	DRN90L	179	531	624	309	402
R..107R77	DRN100LS	197	528	621	305	398
	DRN100L	197	578	671	355	448
	DR63..	132	425	480	178	233
	DR71S	139	436	504	189	257
	DR71M	139	461	529	214	282
	DRN80M	156	515	596	268	349
	DRN90S	179	517	610	270	363
	DRN90L	179	549	642	302	395
	DRN100LS	197	545	638	298	391
	DRN100L	197	595	688	348	441
R..112M	DRN112M	221	626	738	379	491
	DRN132S	221	676	788	429	541

(→ 155)		AC	L	LS	LB	LBS
R..137R77	DR63..	132	418	473	178	233
	DR71S	139	429	497	189	257
	DR71M	139	454	522	214	282
	DRN80M	156	508	589	268	349
	DRN90S	179	510	603	270	363
	DRN90L	179	542	635	302	395
	DRN100LS	197	538	631	298	391
	DRN100L	197	588	681	348	441
	DRN112M	221	619	731	379	491
	DRN132S	221	669	781	429	541
	DRN132M	261	685	824	445	584
	DRN132L	261	710	849	470	609
	R..147R77	DR63..	132	410	465	178
DR71S		139	421	489	189	257
DR71M		139	446	514	214	282
DRN80M		156	500	581	268	349
DRN90S		179	502	595	270	363
DRN90L		179	534	627	302	395
DRN100LS		197	530	623	298	391
DRN100L		197	580	673	348	441
DRN112M		221	611	723	379	491
R..147R87	DRN132S	221	661	773	429	541
	DRN90L	179	577	670	297	390
	DRN100LS	197	573	666	293	386
	DRN100L	197	623	716	343	436
	DRN112M	221	654	766	374	486
	DRN132S	221	704	816	424	536
	DRN132M	261	720	859	440	579
	DRN132L	261	745	884	465	604
	DRN160M	314	814	1003	534	723
	DRN160L	314	814	1003	534	723
R..167R97	DR71M	139	529	597	204	272
	DRN80M	156	583	664	258	339
	DRN90S	179	585	678	260	353
	DRN90L	179	617	710	292	385
	DRN100LS	197	613	706	288	381
	DRN100L	197	663	756	338	431
	DRN112M	221	694	806	369	481
	DRN132S	221	744	856	419	531
	DRN132M	261	760	899	435	574
	DRN132L	261	785	924	460	599
DRN160M	314	854	1043	529	718	

(→ 155)		AC	L	LS	LB	LBS
R..167R107	DRN100LS	197	664	757	282	375
	DRN100L	197	714	807	332	425
	DRN112M	221	745	857	363	475
	DRN132S	221	795	907	413	525
	DRN132M	261	811	950	429	568
	DRN132L	261	836	975	454	593
	DRN160M	314	905	1094	523	712
	DRN160L	314	905	1094	523	712
	DRN180M	357	930	1119	548	737