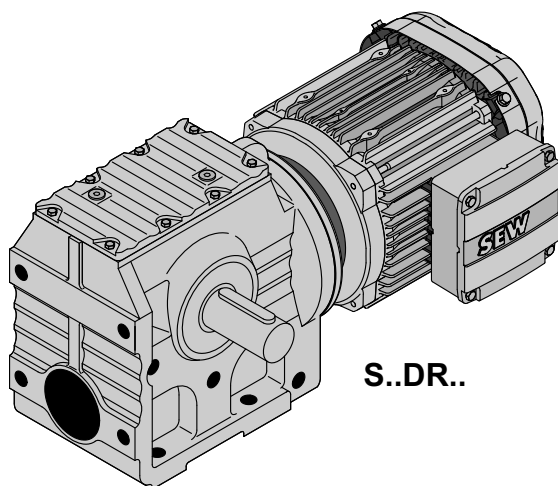
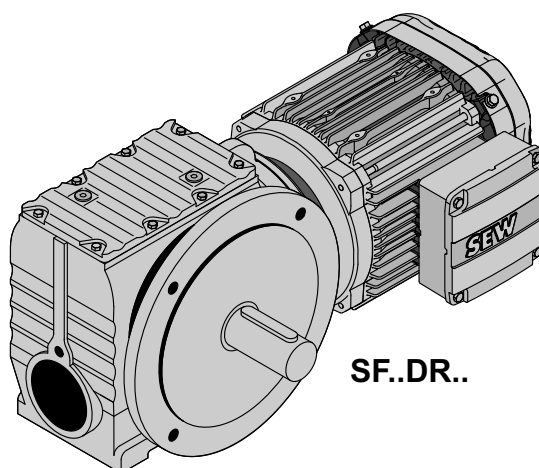


12 S..DRS

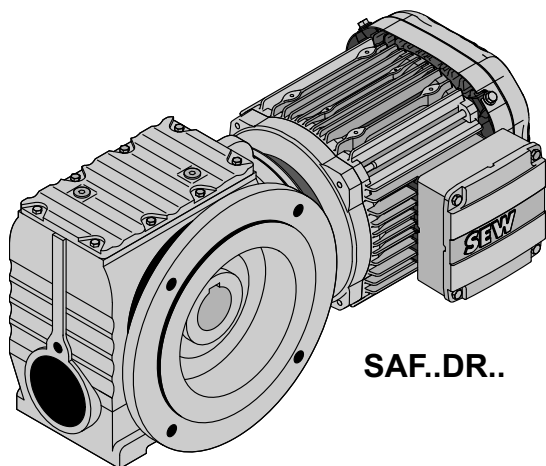
12.1 S, SF, SAF, SHF, SA, SH, ST, SAZ, SHZ..DRS



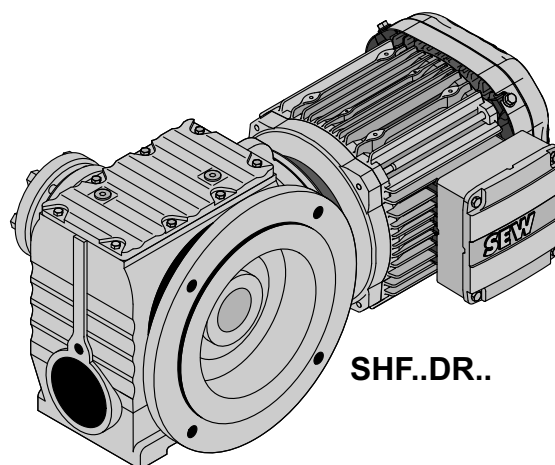
S..DR..



SF..DR..

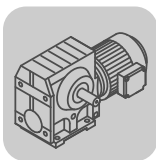


SAF..DR..

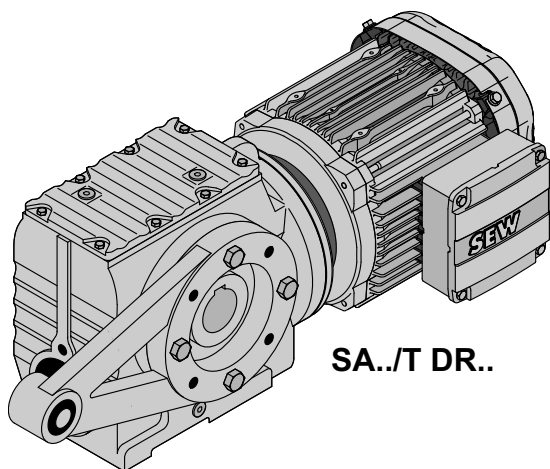
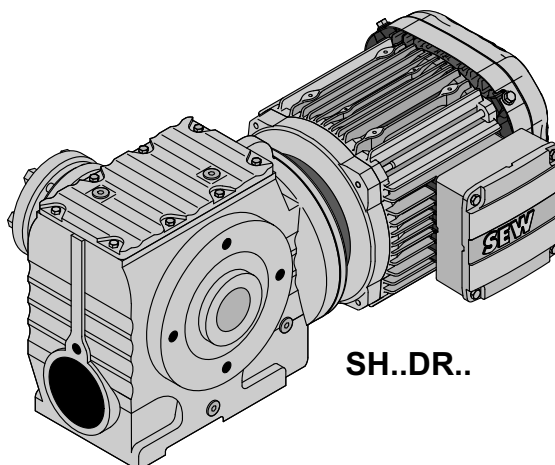
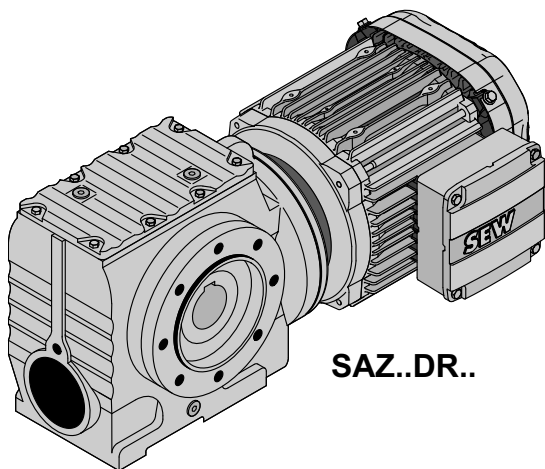
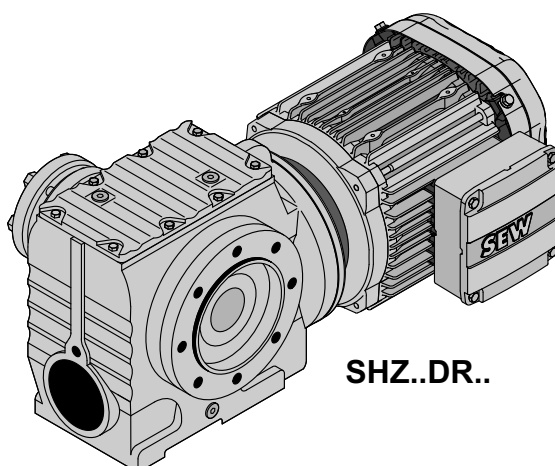


SHF..DR..

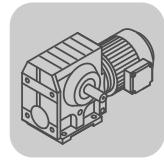
60406AXX

**S..DRS**

S, SF, SAF, SHF, SA, SH, ST, SAZ, SHZ..DRS

**SA..T DR..****SH..DR..****SAZ..DR..****SHZ..DR..**

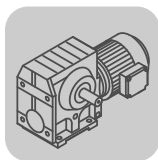
60412AXX



12.2 S.. → DRS

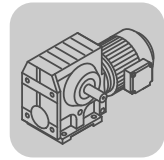
S37, $n_e = 1400$ 1/min						92 Nm	
n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	$\varphi/(R)$ [']	i	DR63 DRS71S DRS71M	DRS80	DRS90M
8.9	92	3000	-	157.43			
9.7	92	3000	-	144.40*			
11	91	3000	-	122.94			
13	88	3000	-	106.00*			
14	87	3000	-	98.80*			
16	86	3000	-	86.36			
17	85	3000	-	80.96			
20	84	3000	-	71.44*			
22	82	3000	-	63.33			
25	81	3000	-	55.93			
26	80	3000	-	53.83			
27	81	3000	-	51.30*			
32	81	3000	-	43.68			
37	79	3000	-	37.66			
40	78	3000	-	35.10*			
46	76	2870	-	30.68			
49	75	2800	-	28.76			
55	74	2660	-	25.38*			
62	73	2530	-	22.50*			
70	52	2470	-	19.89			
73	71	2380	-	19.13*			
77	52	2380	-	18.24*			
90	50	2240	-	15.53			
105	49	2110	-	13.39			
112	48	2060	-	12.48*			
128	48	1940	-	10.91			
137	47	1900	-	10.23			
155	46	1810	-	9.02*			
175	45	1730	-	8.00*			
206	43	1630	-	6.80*			
221	35	1670	-	6.33			
260	34	1570	-	5.38			
288	33	1520	-	4.86*			
353	32	1400	-	3.97			

S37R17, $n_e = 1400$ 1/min						92 Nm	
n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	$\varphi/(R)$ [']	i	DR63 DRS71S DRS71M	DRS80	
2 3							
0.14	92	3000	-	10037			
0.16	92	3000	-	8654			
0.17	92	3000	-	8066			
0.20	92	3000	-	7051			
0.23	92	3000	-	6079			
0.26	92	3000	-	5431			
0.29	92	3000	-	4747			
0.34	92	3000	-	4155			
0.39	92	3000	-	3632			
0.49	92	3000	-	2866			
0.57	92	3000	-	2471			
0.65	92	3000	-	2160			
0.74	92	3000	-	1887			
0.84	92	3000	-	1665			
0.96	92	3000	-	1456			
1.1	92	3000	-	1271			



S37R17, n _e = 1400 1/min					92 Nm	
n _a [1/min]	M _{amax} [Nm]	F _{Ra} [N]	φ _(/R) [']	i	DR63 DRS71S DRS71M	DRS80
1.2	92	3000	-	1121		
1.4	92	3000	-	994		
1.6	92	3000	-	869		
 2  2						
1.8	92	3000	-	774		
2.1	92	3000	-	666		
2.3	92	3000	-	596		
2.7	92	3000	-	521		
3.1	92	3000	-	456		
3.5	92	3000	-	398		
4.0	92	3000	-	351		
4.6	92	3000	-	303		
5.3	92	3000	-	265		
6.0	92	3000	-	232		
6.9	92	3000	-	202		
7.8	92	3000	-	179		
8.9	92	3000	-	158		
9.7	92	3000	-	144		
12	92	3000	-	118		
13	92	3000	-	110		

S47, $n_e = 1400$ 1/min						170 Nm		
n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	$\varphi(I/R)$ [']	i	DR63 DRS71S DRS71M	DRS80	DRS90M	DRS90L DRS100M
7.0	170	5340	-	201.00*				
7.6	170	5340	-	184.80*				
8.9	170	5340	-	158.12				
10	168	5350	-	137.05				
11	168	5350	-	128.10*				
13	168	5350	-	110.73				
15	168	5350	-	94.08*				
17	167	5360	-	84.00*				
20	167	5360	-	71.75*				
20	155	5370	-	69.39				
21	167	5360	-	67.20*				
22	155	5370	-	63.80*				
25	165	5320	-	56.61				
26	155	5150	-	54.59				
30	155	4850	-	47.32				
32	155	4710	-	44.22*				
37	155	4430	-	38.23				
43	155	4120	-	32.48*				
48	155	3920	-	29.00*				
57	155	3650	-	24.77				
60	152	3570	-	23.20*				
69	110	3370	-	20.33				
72	144	3370	-	19.54				
79	110	3160	-	17.62				
85	110	3060	-	16.47*				
98	110	2850	-	14.24				
116	109	2650	-	12.10*				
130	109	2500	-	10.80*				
152	109	2310	-	9.23*				
162	109	2230	-	8.64*				
192	103	2110	-	7.28				
205	78	2300	-	6.83				
219	76	2260	-	6.40*				



S47, $n_e = 1400$ 1/min					170 Nm			
n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	$\varphi/(R)$ [']	i	DR63 DRS71S DRS71M	DRS80	DRS90M	DRS90L DRS100M
260	74	2110	-	5.39				
294	72	2010	-	4.76				
350	70	1870	-	4.00*				

S47R17, $n_e = 1400$ 1/min					185 Nm			
n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	$\varphi/(R)$ [']	i	DR63 DRS71S DRS71M	DRS80		

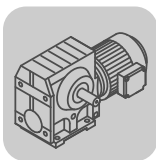
2 3

0.11	185	5250	-	12909				
0.13	185	5250	-	11189				
0.13	185	5250	-	10374				
0.16	185	5250	-	8992				
0.18	185	5250	-	7860				
0.20	185	5250	-	6887				
0.23	185	5250	-	6055				
0.26	185	5250	-	5292				
0.30	185	5250	-	4637				
0.34	185	5250	-	4092				
0.39	185	5200	-	3582				
0.45	185	5200	-	3131				
0.52	185	5200	-	2714				
0.58	185	5200	-	2412				
0.66	185	5200	-	2131				
0.75	185	5200	-	1863				
0.84	185	5200	-	1663				
0.98	185	5200	-	1435				
1.1	185	5200	-	1254				
1.2	185	5200	-	1120				
1.3	185	5200	-	1083				
1.5	183	5210	-	956				

2 2

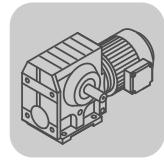
1.5	185	5200	-	965				
1.6	185	5200	-	865				
1.9	185	5200	-	750				
2.1	185	5200	-	655				
2.4	185	5200	-	574				
2.8	185	5200	-	506				
3.2	185	5200	-	438				
3.6	185	5200	-	388				
4.2	185	5200	-	336				
4.8	185	5200	-	294				
5.4	185	5260	-	257				
6.1	185	5200	-	229				
7.0	185	5200	-	200				
7.5	185	5200	-	187				
8.5	185	5200	-	165				
9.5	185	5200	-	148				
11	185	5200	-	131				

S57, $n_e = 1400$ 1/min					295 Nm			
n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	$\varphi/(R)$ [']	i	DR63 DRS71S DRS71M	DRS80	DRS90M	DRS90L DRS100M
7.0	295	7130	-	201.00*				
7.6	295	7130	-	184.80*				
8.9	295	7130	-	158.12				



S57, $n_e = 1400$ 1/min					295 Nm			
n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	$\varphi/(R)$ [']	i	DR63 DRS71S DRS71M	DRS80	DRS90M	DRS90L DRS100M
10	295	7130	-	137.05				
11	295	7130	-	128.10*				
13	295	7130	-	110.73				
15	295	7130	-	94.08*				
17	295	7130	-	84.00*				
20	290	7170	-	71.75*				
20	245	7520	-	69.39				
21	285	7220	-	67.20*				
22	245	7520	-	63.80*				
25	265	7370	-	56.61				
26	245	7520	-	54.59				
30	245	7520	-	47.32				
32	245	7520	-	44.22*				
37	245	7320	-	38.23				
43	245	6840	-	32.48*				
48	245	6520	-	29.00*				
57	245	6100	-	24.77				
60	245	5930	-	23.20*				
69	168	5690	-	20.33				
72	215	5720	-	19.54				
79	168	5350	-	17.62				
85	168	5200	-	16.47*				
98	169	4860	-	14.24				
116	169	4520	-	12.10*				
130	169	4290	-	10.80*				
152	169	3990	-	9.23*				
162	166	3900	-	8.64*				
192	146	3790	-	7.28				
205	100	4100	-	6.83				
219	98	4010	-	6.40*				
260	95	3760	-	5.39				
294	93	3590	-	4.76				
350	90	3360	-	4.00*				

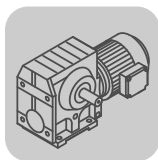
S57R17, n _e = 1400 1/min					330 Nm	
n _a [1/min]	M _{amax} [Nm]	F _{Ra} [N]	φ(/R) [']	i	DR63 DRS71S DRS71M	DRS80
 2  3						
0.11	330	6800	-	12909		
0.13	330	6800	-	11189		
0.13	330	6800	-	10374		
0.16	330	6800	-	8992		
0.18	330	6800	-	7860		
0.20	330	6800	-	6887		
0.23	330	6800	-	6055		
0.26	330	6800	-	5292		
0.30	330	6800	-	4637		
0.34	330	6800	-	4092		
0.39	330	6800	-	3628		
0.45	300	7090	-	3131		
0.52	300	7090	-	2714		
0.58	300	7090	-	2412		
0.66	300	7090	-	2131		
0.75	300	7090	-	1863		
0.84	300	7090	-	1663		
0.98	300	7090	-	1435		
1.1	300	7090	-	1254		

**S57R17, $n_e = 1400$ 1/min****330 Nm**

n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	$\varphi/(R)$ [']	i	DR63 DRS71S DRS71M	DRS80
1.3	300	7090	-	1083		
2 2						
1.5	300	7090	-	965		
1.6	300	7090	-	865		
1.9	300	7090	-	750		
2.1	300	7090	-	655		
2.4	300	7090	-	574		
2.8	300	7090	-	506		
3.2	300	7090	-	438		
3.6	300	7090	-	388		
4.2	300	7090	-	336		
4.8	300	7090	-	294		
5.2	300	7090	-	269		
6.1	300	7090	-	229		
6.9	300	7090	-	204		
7.5	300	7090	-	187		
8.5	300	7090	-	165		
11	300	7090	-	131		

S67, $n_e = 1400$ 1/min**520 Nm**

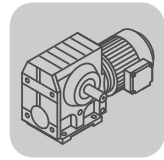
n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	$\varphi/(R)$ [']	i	DR63 DRS71S DRS71M	DRS80	DRS90M	DRS90L DRS100M	DRS100LC	DRS132S DRS132M
6.4	520	8680	-	217.41						
7.4	520	8680	-	190.11						
7.8	520	8680	-	180.60*						
8.8	520	8680	-	158.45						
10	520	8680	-	134.40*						
12	520	8680	-	121.33						
13	520	8680	-	106.75*						
14	520	8680	-	100.80*						
16	520	8680	-	85.83						
18	520	8680	-	78.00*						
19	480	9020	-	75.06						
21	520	8680	-	67.57						
21	480	9020	-	65.63						
22	480	9020	-	62.35*						
24	500	8850	-	58.80*						
26	480	8670	-	54.70						
30	480	8060	-	46.40*						
33	480	7690	-	41.89						
38	480	7250	-	36.85						
40	480	7060	-	34.80*						
47	480	6540	-	29.63						
52	480	6240	-	26.93						
57	340	6040	-	24.44						
60	480	5810	-	23.33						
60	340	5890	-	23.22*						
69	340	5520	-	20.37						
69	425	5760	-	20.30*						
81	340	5080	-	17.28*						
90	340	4820	-	15.60*						
102	340	4510	-	13.73*						
108	340	4310	-	12.96*						
127	340	3660	-	11.03						
140	340	3290	-	10.03						
161	335	2860	-	8.69						
185	295	3220	-	7.56*						


S67R37, $n_e = 1400$ 1/min
570 Nm

n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	$\varphi/(R)$ [']	i	DR63 DRS71S DRS71M	DRS80	DRS90M	DRS90L DRS100M
2 3								
0.07	570	8190	-	21362				
0.07	570	8190	-	19594				
0.08	570	8190	-	18120				
0.08	570	8190	-	16682				
0.10	570	8190	-	14383				
0.11	570	8190	-	12774				
0.13	570	8190	-	11013				
0.14	570	8190	-	9694				
0.16	570	8190	-	8529				
0.19	570	8190	-	7455				
0.21	570	8190	-	6531				
0.24	570	8190	-	5759				
0.28	570	8190	-	4965				
0.32	570	8190	-	4410				
0.36	570	8190	-	3880				
0.41	570	8190	-	3432				
0.48	570	8190	-	2944				
0.53	570	8190	-	2630				
0.61	570	8190	-	2279				
0.70	570	8190	-	2014				
0.79	570	8190	-	1772				
0.90	570	8190	-	1559				
1.0	570	8190	-	1363				
1.2	570	8190	-	1194				
1.3	570	8190	-	1045				
1.5	570	8190	-	914				
2 2								
1.7	570	8190	-	809				
2.0	570	8190	-	712				
2.3	570	8190	-	615				
2.6	570	8190	-	543				
3.0	570	8190	-	469				
3.3	570	8190	-	424				
3.8	570	8190	-	365				
4.4	570	8190	-	319				
5.0	570	8190	-	281				
5.7	570	8190	-	246				
6.3	570	8190	-	221				
7.1	570	8190	-	198				
8.3	570	8190	-	168				
9.0	570	8190	-	156				

S77, $n_e = 1400$ 1/min
1270 Nm

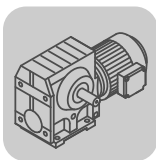
n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	$\varphi/(R)$ [']	i	DR63 DRS71S DRS71M	DRS80	DRS90M	DRS90L DRS100M	DRS100LC	DRS132S DRS132M	DRS132MC DRS160
5.5	1270	11700	-	256.47							
6.2	1270	11700	-	225.26							
6.5	1270	11700	-	214.00*							
7.4	1270	11700	-	189.09							
8.7	1260	11800	-	161.60*							
9.4	1240	12000	-	148.15							
11	1210	12200	-	130.00*							
11	1200	12300	-	123.20*							
13	1170	12600	-	107.83							
14	1140	12800	-	97.14							

**S77, $n_e = 1400$ 1/min****1270 Nm**

n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	$\varphi/(R)$ [°]	i	DR63 DRS71S DRS71M	DRS80	DRS90M	DRS90L DRS100M	DRS100LC	DRS132S DRS132M	DRS132MC DRS160
16	1100	13100	-	85.22							
19	1070	12800	-	75.20*							
19	1100	11900	-	75.09							
20	1100	11600	-	71.33							
21	1040	12300	-	66.67							
22	1100	10900	-	63.03							
25	990	11600	-	56.92							
26	1100	10100	-	53.87							
28	1100	9650	-	49.38							
32	1100	9010	-	43.33							
34	1100	8750	-	41.07							
39	1100	8140	-	35.94							
43	1090	7730	-	32.38							
49	1050	7370	-	28.41							
56	1020	7010	-	25.07							
61	705	5960	-	22.89							
63	980	6740	-	22.22							
67	705	5390	-	20.99							
74	930	6390	-	18.97							
76	705	4550	-	18.42							
80	710	4120	-	17.45							
92	710	3320	-	15.28							
102	710	2710	-	13.76							
116	720	1800	-	12.07							
131	720	1130	-	10.65							
148	725	415	-	9.44							
174	680	440	-	8.06							

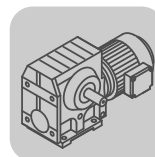
S77R37, $n_e = 1400$ 1/min**1270 Nm**

n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	$\varphi/(R)$ [°]	i	DR63 DRS71S DRS71M	DRS80	DRS90M	DRS90L DRS100M
0.05	1270	11700	-	25493				
0.06	1270	11700	-	21787				
0.07	1270	11700	-	19907				
0.08	1270	11700	-	17013				
0.10	1270	11700	-	14668				
0.11	1270	11700	-	13110				
0.12	1270	11700	-	11569				
0.14	1270	11700	-	9887				
0.16	1270	11700	-	8817				
0.18	1270	11700	-	7735				
0.21	1270	11700	-	6735				
0.24	1270	11700	-	5943				
0.27	1270	11700	-	5214				
0.30	1270	11700	-	4618				
0.35	1270	11700	-	3992				
0.40	1270	11700	-	3540				
0.45	1270	11700	-	3098				
0.51	1240	12000	-	2753				
0.59	1240	12000	-	2374				
0.67	1240	12000	-	2083				
0.77	1240	12000	-	1813				
0.80	1240	12000	-	1745				
0.88	1240	12000	-	1600				
1.0	1240	12000	-	1404				
1.1	1240	12000	-	1245				



S77R37, $n_e = 1400$ 1/min						1270 Nm			
n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	$\varphi/(R)$ [']	i	DR63 DRS71S DRS71M	DRS80	DRS90M	DRS90L DRS100M	
2 2									
1.3	1240	12000	-	1100					
1.5	1240	12000	-	954					
1.7	1240	12000	-	837					
2.0	1240	12000	-	714					
2.2	1240	12000	-	637					
2.4	1240	12000	-	574					
2.8	1240	12000	-	499					
3.2	1240	12000	-	438					
3.6	1240	12000	-	389					
4.3	1240	12000	-	327					
4.8	1240	12000	-	289					
5.6	1240	12000	-	250					
6.4	1240	12000	-	219					

S87, $n_e = 1400$ 1/min						2280 Nm							
n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	$\varphi/(R)$ [']	i	DRS71M	DRS80	DRS90M	DRS90L DRS100M	DRS100LC	DRS132S DRS132M	DRS132MC DRS160	DRS180M DRS180L	
4.9	2280	27900	-	288.00*									
5.4	2280	27900	-	258.18									
6.3	2280	27900	-	222.40*									
6.9	2260	28000	-	202.96									
7.8	2210	28100	-	180.00*									
9.3	2150	28200	-	151.30									
10	2100	28300	-	139.05									
11	2060	28300	-	123.48									
13	2000	28400	-	110.40*									
14	1960	28500	-	99.26									
15	1510	29100	-	91.20*									
16	1880	28600	-	86.15									
17	1600	29000	-	81.76									
18	1820	28700	-	77.14									
20	1600	29000	-	70.43									
22	1600	29000	-	64.27									
22	1700	28900	-	64.00*									
25	1600	29000	-	57.00*									
29	1600	29000	-	47.91									
32	1600	29000	-	44.03									
36	1600	28200	-	39.10									
40	1600	27100	-	34.96*									
45	1600	26000	-	31.43									
51	1600	24700	-	27.28									
55	1240	23400	-	25.50*									
57	1600	23700	-	24.43									
65	1240	21800	-	21.43									
69	1600	22100	-	20.27									
71	1240	21100	-	19.70									
80	1240	20200	-	17.49									
90	1240	19300	-	15.64*									
100	1240	18500	-	14.06									
115	1240	17400	-	12.21									
128	1240	16400	-	10.93									
154	1140	15900	-	9.07									
178	1010	15700	-	7.88									

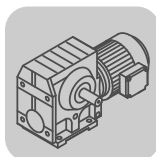
**S87R57, $n_e = 1400$ 1/min****2500 Nm**

n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	$\varphi(R)$ [°]	i	DR63 DRS71S DRS71M	DRS80	DRS90M	DRS90L DRS100M	DRS100LC	DRS132S DRS132M	DRS132MC
2 3											
0.05	2500	27500	-	25987							
0.06	2500	27500	-	23940							
0.07	2500	27500	-	20568							
0.08	2500	27500	-	18265							
0.08	2500	27500	-	16774							
0.09	2500	27500	-	14820							
0.11	2500	27500	-	13160							
0.12	2500	27500	-	11200							
0.14	2500	27500	-	9904							
0.16	2500	27500	-	8549							
0.18	2500	27500	-	7643							
0.21	2500	27500	-	6706							
0.24	2500	27500	-	5875							
0.27	2500	27500	-	5187							
0.30	2500	27500	-	4606							
0.36	2500	27500	-	3872							

2 2											
0.40	2500	27500	-	3475							
0.48	2500	27500	-	2905							
0.54	2500	27500	-	2586							
0.60	2500	27500	-	2335							
0.68	2500	27500	-	2054							
0.77	2500	27500	-	1824							
0.86	2500	27500	-	1631							
1.1	2500	27500	-	1332							
1.2	2500	27500	-	1191							
1.4	2500	27500	-	1032							
1.5	2500	27500	-	930							
1.7	2500	27500	-	831							
1.9	2500	27500	-	719							
2.2	2500	27500	-	624							
2.5	2500	27500	-	558							
2.9	2500	27500	-	485							
3.2	2450	27600	-	435							
3.7	2450	27600	-	378							
4.3	2400	27700	-	323							
5.0	2400	27700	-	281							
5.5	1980	28400	-	255							
6.3	1980	28400	-	222							
6.8	1980	28400	-	205							

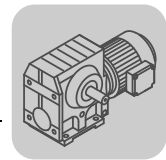
S97, $n_e = 1400$ 1/min**4000 Nm**

n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	$\varphi(R)$ [°]	i	DRS71M	DRS80	DRS90M	DRS90L DRS100M	DRS100LC	DRS132S DRS132M	DRS132MC DRS160	DRS180M DRS180L	DRS180HC DRS225S DRS225M
4.9	4000	33200	-	286.40*									
5.3	4000	33200	-	262.22									
6.0	4000	33200	-	231.67									
7.1	4000	33200	-	196.52									
7.7	3920	33400	-	180.95									
8.7	3840	33500	-	161.74									
9.6	3730	33700	-	145.60*									
11	3650	33900	-	131.85									
12	3510	34100	-	116.92									
13	3440	34300	-	105.71									
16	3240	34600	-	89.60*									

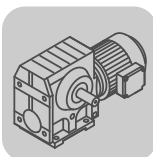


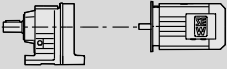
S97, $n_e = 1400$ 1/min										4000 Nm			
n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	$\varphi_{(R)}$ [']	i	DRS71M	DRS80	DRS90M	DRS90L DRS100M	DRS100LC	DRS132S DRS132M	DRS132MC DRS160	DRS180M DRS180L	DRS180HC DRS225S DRS225M
17	3230	34600	-	80.85									
18	3080	34800	-	78.26									
20	3300	34500	-	71.43									
21	2900	35100	-	65.45									
23	3300	34500	-	60.59									
25	3300	34500	-	55.79									
28	3300	34500	-	49.87									
31	3300	34100	-	44.89									
34	3300	32800	-	40.65									
39	3300	31300	-	36.05									
43	3200	30400	-	32.60									
51	3010	29000	-	27.63									
53	2600	26100	-	26.39									
58	2870	28000	-	24.13									
59	2600	24500	-	23.59									
66	2600	22800	-	21.23									
73	2600	21200	-	19.23									
82	2570	19700	-	17.05									
91	2470	19400	-	15.42									
107	2330	18800	-	13.07									
123	2210	18400	-	11.41									
147	2040	18200	-	9.55									
169	1770	18800	-	8.26									

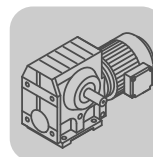
S97R57, $n_e = 1400$ 1/min										4200 Nm	
n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	$\varphi_{(R)}$ [']	i	DR63 DRS71S DRS71M	DRS80	DRS90M	DRS90L DRS100M	DRS100LC	DRS132S DRS132M	DRS132MC
 2  3											
0.04	4200	32800	-	33818							
0.04	4200	32800	-	31154							
0.05	4200	32800	-	27847							
0.06	4200	32800	-	24641							
0.07	4200	32800	-	21537							
0.07	4200	32800	-	18749							
0.09	4200	32800	-	16233							
0.10	4200	32800	-	14576							
0.11	4200	32800	-	12752							
0.12	4200	32800	-	11267							
0.14	4200	32800	-	10078							
0.16	4200	32800	-	8608							
0.19	4200	32800	-	7554							
0.21	4200	31300	-	6640							
0.24	4200	31300	-	5780							
0.28	4200	31300	-	4937							
0.32	4200	31300	-	4444							
0.35	4200	31300	-	4017							
0.41	4200	31300	-	3453							
0.45	4200	31300	-	3108							
0.53	4200	31300	-	2654							
0.60	4200	31300	-	2329							
0.67	4200	31300	-	2081							
0.75	4200	31300	-	1860							
0.89	4200	31300	-	1574							
 2  2											
1.0	4200	31300	-	1394							
1.1	4200	31300	-	1223							

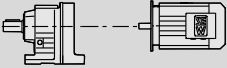


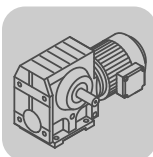
S97R57, n _e = 1400 1/min						4200 Nm					
n _a [1/min]	M _{amax} [Nm]	F _{Ra} [N]	φ _(/R) [']	i	DR63 DRS71S DRS71M	DRS80	DRS90M	DRS90L DRS100M	DRS100LC	DRS132S DRS132M	DRS132MC
1.3	4200	31300	-	1070							
1.5	4200	31300	-	928							
1.7	4200	31300	-	824							
2.0	4200	32800	-	714							
2.2	4200	31300	-	626							
2.6	4200	31300	-	538							
2.9	4200	31400	-	484							
3.3	4200	31400	-	420							
3.7	4200	31400	-	376							
4.3	4200	31500	-	327							
4.9	4200	31500	-	287							
5.6	4200	31500	-	252							
6.4	4200	31600	-	219							
6.8	4200	31600	-	205							

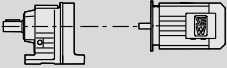

12.3 S..DRS [kW]

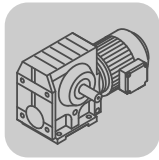
P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B					m [kg]	
0.12	0.12	4740	11267	25100	0.90	S	97R57	DR	63S4	170	597
	0.14	4330	10078	32500	0.95	SF	97R57	DR	63S4	200	597
	0.16	3590	8608	34000	1.15	SA	97R57	DR	63S4	160	597
	0.18	3180	7554	34700	1.30	SAF	97R57	DR	63S4	190	597
	0.21	2690	6706	27100	0.95	S	87R57	DR	63S4	110	597
	0.23	2400	5875	27700	1.05	SF	87R57	DR	63S4	130	597
	0.27	1980	5187	28500	1.25	SA	87R57	DR	63S4	105	597
	0.30	1760	4606	28800	1.40	SAF	87R57	DR	63S4	120	597
	0.36	1460	3872	29200	1.70						
	0.39	1370	3540	7240	0.90						
	0.45	1200	3098	12300	1.05						
	0.58	1320	2374	10600	0.95	S	77R37	DR	63S4	59	597
	0.66	1160	2083	12600	1.05	SF	77R37	DR	63S4	68	597
	0.76	980	1813	13900	1.25	SA	77R37	DR	63S4	58	597
	0.79	930	1745	14200	1.30	SAF	77R37	DR	63S4	65	597
	0.86	860	1600	14600	1.45						
	0.98	755	1404	15100	1.65						
	1.1	660	1245	15500	1.90						
	1.2	585	1194	7990	0.95	S	67R37	DR	63S4	39	597
	1.3	530	1045	8560	1.05	SF	67R37	DR	63S4	46	597
	1.5	455	914	9180	1.25	SA	67R37	DR	63S4	40	597
						SAF	67R37	DR	63S4	45	597
	1.7	415	809	9460	1.35						
	1.9	365	712	9780	1.55	S	67R37	DR	63S4	39	597
	2.2	305	615	10100	1.85	SF	67R37	DR	63S4	46	597
	2.5	275	543	10200	2.1	SA	67R37	DR	63S4	40	597
	2.9	225	469	10400	2.5	SAF	67R37	DR	63S4	45	597
	3.3	200	424	10500	2.8						
	3.8	187	365	10500	3.0						
	2.1	325	655	6800	0.90						
	2.4	285	574	7200	1.05	S	57R17	DR	63S4	20	597
	2.7	250	506	7480	1.20	SF	57R17	DR	63S4	24	597
	3.2	215	438	7700	1.40	SA	57R17	DR	63S4	20	597
	3.6	189	388	7850	1.60	SAF	57R17	DR	63S4	23	597
	4.1	169	336	7950	1.80						
	4.7	145	294	8050	2.1						
	5.1	139	269	8070	2.2						
	3.2	215	438	5010	0.85						
	3.6	189	388	5170	1.00	S	47R17	DR	63S4	17	597
	4.1	168	336	5290	1.10	SF	47R17	DR	63S4	20	597
	4.7	143	294	5420	1.30	SA	47R17	DR	63S4	18	597
	5.4	98	257	5660	1.90	SAF	47R17	DR	63S4	19	597
	6.0	118	229	5550	1.55						
	6.9	102	200	5610	1.80						
	7.4	96	187	5640	1.95						
	6.8	103	202	3000	0.90	S	37R17	DR	63S4	14	597
	7.7	91	179	3000	1.00	SF	37R17	DR	63S4	15	597
	8.7	82	158	3000	1.15	SA	37R17	DR	63S4	13	597
	9.6	75	144	3000	1.20	SAF	37R17	DR	63S4	15	597
	12	61	118	3000	1.50						
	13	57	110	3000	1.60						
	4.5	143	201.00*	8050	2.1	S	57	DR	63M6	17	572
	4.9	133	184.80*	8090	2.2	SF	57	DR	63M6	21	573
	5.7	116	158.12	8140	2.5	SA	57	DR	63M6	17	574
	6.6	103	137.05	8180	2.9	SAF	57	DR	63M6	20	573
	4.5	138	201.00*	5490	1.30	S	47	DR	63M6	14	567
	4.9	129	184.80*	5540	1.40	SF	47	DR	63M6	17	568
	5.7	112	158.12	5610	1.55	SA	47	DR	63M6	15	569
	6.6	99	137.05	5660	1.75	SAF	47	DR	63M6	16	568
	7.0	93	128.10*	5680	1.85						
	6.9	95	201.00*	5680	1.80						
	7.5	89	184.80*	5700	1.90	S	47	DR	63S4	14	567
	8.7	77	158.12	5740	2.2	SF	47	DR	63S4	17	568
	10	68	137.05	5780	2.5	SA	47	DR	63S4	15	569
	11	64	128.10*	5790	2.6	SAF	47	DR	63S4	16	568
	12	57	110.73	5810	3.0						



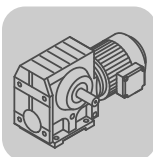
P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B					m [kg]	
0.12	5.7	107	157.43	3000	0.85						
	6.2	99	144.40*	3000	0.95	S	37	DR	63M6	10	563
	7.3	86	122.94	3000	1.05	SF	37	DR	63M6	12	564
	8.5	76	106.00*	3000	1.20	SA	37	DR	63M6	10	565
	9.1	71	98.80*	3000	1.30	SAF	37	DR	63M6	12	564
	10	64	86.36	3000	1.45						
	8.8	74	157.43	3000	1.25						
	9.6	68	144.40*	3000	1.35	S	37	DR	63S4	10	563
	11	60	122.94	3000	1.55	SF	37	DR	63S4	12	564
	13	52	106.00*	3000	1.70	SA	37	DR	63S4	10	565
	14	49	98.80*	3000	1.75	SAF	37	DR	63S4	12	564
	16	44	86.36	3000	1.95						
	17	41	80.96	3000	2.1						
	19	37	71.44*	3000	2.3						
	22	33	63.33	3000	2.5						
	25	35	55.93	3000	2.3						
	27	33	51.30*	3000	2.5						
	32	28	43.68	3000	2.9						
	37	24	37.66	3000	3.2	S	37	DR	63S4	10	563
	39	23	35.10*	3000	3.4	SF	37	DR	63S4	12	564
	45	20	30.68	3000	3.7	SA	37	DR	63S4	10	565
	48	19	28.76	3000	3.9	SAF	37	DR	63S4	12	564
	54	17	25.38*	3000	4.4						
	61	15	22.50*	3000	4.8						
	69	14	19.89	3000	3.6						
	76	13	18.24*	3000	3.9						
	89	11	15.53	2870	4.4						
0.18	0.29	3010	4606	19200	0.85	S	87R57	DR	63M4	110	597
	0.34	2510	3872	27500	1.00	SF	87R57	DR	63M4	130	597
						SA	87R57	DR	63M4	105	597
						SAF	87R57	DR	63M4	120	597
	0.38	2420	3475	27700	1.05						
	0.45	2030	2905	28400	1.25	S	87R57	DR	63M4	105	597
	0.51	1760	2586	28800	1.40	SF	87R57	DR	63M4	130	597
	0.57	1570	2335	29100	1.60	SA	87R57	DR	63M4	105	597
	0.64	1360	2054	29300	1.85	SAF	87R57	DR	63M4	120	597
	0.72	1200	1824	29500	2.1						
	0.81	1080	1631	29600	2.3						
	0.94	1240	1404	11900	1.00	S	77R37	DR	63M4	59	597
	1.1	1090	1245	13200	1.15	SF	77R37	DR	63M4	68	597
						SA	77R37	DR	63M4	58	597
						SAF	77R37	DR	63M4	65	597
	1.2	1020	1100	13700	1.20						
	1.4	870	954	14500	1.40	S	77R37	DR	63M4	58	597
	1.6	770	837	15000	1.60	SF	77R37	DR	63M4	68	597
	1.8	640	714	15600	1.95	SA	77R37	DR	63M4	58	597
	2.1	565	637	15800	2.2	SAF	77R37	DR	63M4	65	597
	2.3	515	574	16000	2.4						
	1.9	600	712	7860	0.95	S	67R37	DR	63M4	39	597
	2.2	505	615	8800	1.15	SF	67R37	DR	63M4	46	597
	2.4	450	543	9230	1.25	SA	67R37	DR	63M4	40	597
	2.8	375	469	9720	1.50	SAF	67R37	DR	63M4	45	597
	3.1	340	424	9930	1.65						
	3.6	305	365	10100	1.85						
	3.0	355	438	6520	0.85						
	3.4	310	388	6970	0.95	S	57R17	DR	63M4	20	597
	3.9	275	336	7290	1.10	SF	57R17	DR	63M4	24	597
	4.5	235	294	7560	1.25	SA	57R17	DR	63M4	20	597
	4.9	225	269	7650	1.35	SAF	57R17	DR	63M4	23	597
	5.8	193	229	7830	1.55						
	6.5	174	204	7920	1.75						
	7.0	159	187	7990	1.90						

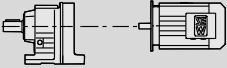
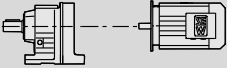
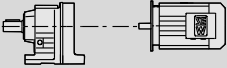
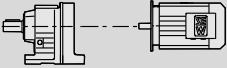
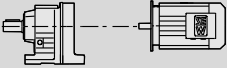
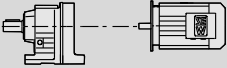
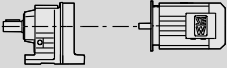
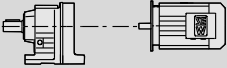
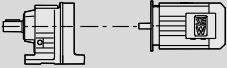
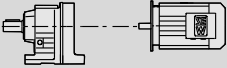
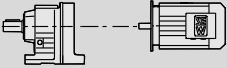
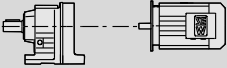
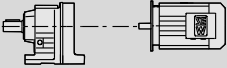


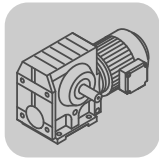
P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B					m [kg]	
0.18	4.5	235	294	4480	0.80						
	5.1	162	257	5380	1.15						
	5.8	190	229	5170	0.95	S	47R17	DR	63M4	17	597
	6.6	167	200	5300	1.10	SF	47R17	DR	63M4	20	597
	7.0	156	187	5360	1.20	SA	47R17	DR	63M4	18	597
	8.0	138	165	5450	1.35	SAF	47R17	DR	63M4	19	597
	9.0	124	148	5520	1.50						
	10	110	131	5580	1.70						
	4.0	250	217.41	10300	2.2	S	67	DR	63L6	29	577
	4.6	220	190.11	10400	2.5	SF	67	DR	63L6	35	578
	4.8	210	180.60*	10400	2.6	SA	67	DR	63L6	30	579
						SAF	67	DR	63L6	34	578
	4.3	220	201.00*	7670	1.35	S	57	DR	63L6	18	572
	4.7	205	184.80*	7760	1.45	SF	57	DR	63L6	22	573
	5.5	180	158.12	7900	1.65	SA	57	DR	63L6	18	574
	6.4	158	137.05	7990	1.85	SAF	57	DR	63L6	21	573
	6.6	154	201.00*	8010	1.90	S	57	DR	63M4	17	572
	7.1	143	184.80*	8050	2.1	SF	57	DR	63M4	21	573
	8.4	125	158.12	8120	2.4	SA	57	DR	63M4	17	574
	9.6	110	137.05	8160	2.7	SAF	57	DR	63M4	20	573
	4.3	210	201.00*	5090	0.85	S	47	DR	63L6	14	567
	4.7	199	184.80*	5180	0.90	SF	47	DR	63L6	18	568
	5.5	173	158.12	5320	1.00	SA	47	DR	63L6	15	569
	6.4	153	137.05	5420	1.10	SAF	47	DR	63L6	17	568
	6.6	149	201.00*	5440	1.15						
	7.1	138	184.80*	5490	1.25						
	8.4	121	158.12	5570	1.40						
	9.6	106	137.05	5630	1.60	S	47	DR	63M4	14	567
	10	100	128.10*	5660	1.65	SF	47	DR	63M4	17	568
	12	88	110.73	5700	1.90	SA	47	DR	63M4	15	569
	14	77	94.08*	5750	2.2	SAF	47	DR	63M4	16	568
	16	69	84.00*	5770	2.4						
	18	60	71.75*	5800	2.8						
	19	69	69.39	5750	2.2						
	8.4	115	157.43	3000	0.80						
	9.1	107	144.40*	3000	0.85	S	37	DR	63M4	10	563
	11	93	122.94	3000	1.00	SF	37	DR	63M4	12	564
	12	82	106.00*	3000	1.10	SA	37	DR	63M4	10	565
	13	77	98.80*	3000	1.15	SAF	37	DR	63M4	12	564
	15	68	86.36	3000	1.25						
	16	64	80.96	3000	1.30						
	18	58	71.44*	3000	1.45						
	21	52	63.33	3000	1.60						
	24	55	55.93	3000	1.45						
	26	51	51.30*	3000	1.60						
	30	44	43.68	3000	1.85						
	35	38	37.66	3000	2.1						
	38	36	35.10*	3000	2.2						
	43	32	30.68	3000	2.4	S	37	DR	63M4	10	563
	46	30	28.76	3000	2.5	SF	37	DR	63M4	12	564
	52	26	25.38*	3000	2.8	SA	37	DR	63M4	10	565
	59	24	22.50*	3000	3.1	SAF	37	DR	63M4	12	564
	66	22	19.89	3000	2.3						
	72	21	18.24*	2940	2.5						
	85	18	15.53	2810	2.8						
	99	15	13.39	2700	3.2						
	106	14	12.48*	2650	3.4						
	121	13	10.91	2550	3.8						
	129	12	10.23	2500	4.0						
0.25	0.45	2930	2905	22200	0.85						
	0.50	2560	2586	27400	1.00	S	87R57	DR	63L4	110	597
	0.56	2290	2335	27900	1.10	SF	87R57	DR	63L4	130	597
	0.63	1990	2054	28400	1.25	SA	87R57	DR	63L4	105	597
	0.71	1770	1824	28800	1.40	SAF	87R57	DR	63L4	120	597
	0.80	1580	1631	29100	1.60						
	1.4	930	930	29700	2.7						

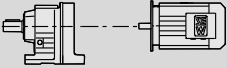


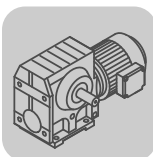
P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B					m [kg]	
0.25	1.4	1250	954	11800	1.00	S SF SA SAF	77R37	DR	63L4	59	597
	1.6	1100	837	13100	1.10					69	597
	1.8	920	714	14200	1.35					59	597
	2.0	820	637	14800	1.50					65	597
	2.3	745	574	15200	1.65						
	2.6	635	499	15600	1.95	S SF SA SAF	67R37	DR	63L4	40	597
	2.4	650	543	6280	0.85					46	597
	2.8	550	469	8390	1.05					41	597
	3.1	495	424	8880	1.15					45	597
	3.6	440	365	9320	1.30						
	4.1	380	319	9700	1.50	S SF SA SAF	57R17	DR	63L4	21	597
	4.6	335	281	9960	1.70					25	597
	4.4	340	294	6640	0.85					21	597
	4.8	320	269	6870	0.95					25	597
	5.7	275	229	7280	1.10					21	597
	6.4	245	204	7490	1.20	S SF SA SAF	67	DRS	71S6	32	579
	6.9	225	187	7630	1.30					36	578
	7.9	200	165	7780	1.50						
	9.9	162	131	7980	1.85						
	4.1	340	217.41	9920	1.65	S SF SA SAF	67	DRS	71S6	31	577
	4.7	300	190.11	10100	1.85					37	578
	5.0	290	180.60*	10200	1.90					32	579
	5.6	255	158.45	10300	2.1					36	578
	6.0	245	217.41	10300	2.1	S SF SA SAF	67	DR	63L4	29	577
	6.8	215	190.11	10400	2.4					35	578
	7.2	205	180.60*	10500	2.5					30	579
	8.2	187	158.45	10500	2.8					34	578
	9.7	161	134.40*	10600	3.2	S SF SA SAF	57	DRS	71S6	20	572
	11	147	121.33	10600	3.5					24	573
	12	131	106.75*	10700	4.0					20	574
	4.4	300	201.00*	7080	1.00					23	573
	4.8	275	184.80*	7270	1.10	S SF SA SAF	57	DR	63L4	18	572
	5.7	240	158.12	7530	1.20					22	573
	6.5	210	137.05	7710	1.35					18	574
	7.0	200	128.10*	7780	1.45					21	573
	6.5	215	201.00*	7700	1.35	S SF SA SAF	57	DR	63L4	14	567
	7.0	200	184.80*	7790	1.45					18	568
	8.2	176	158.12	7920	1.70					15	569
	9.5	155	137.05	8010	1.90					17	568
	10	146	128.10*	8040	2.0	S SF SA SAF	47	DR	63L4		
	12	128	110.73	8110	2.3						
	14	111	94.08*	8160	2.6						
	15	100	84.00*	8190	2.9						
	6.5	205	201.00*	5120	0.80	S SF SA SAF	47	DR	63L4		
	7.0	194	184.80*	5210	0.85						
	8.2	170	158.12	5340	1.00						
	9.5	150	137.05	5440	1.10						
	10	141	128.10*	5480	1.20	S SF SA SAF	47	DR	63L4		
	12	124	110.73	5560	1.35						
	14	108	94.08*	5630	1.55						
	15	98	84.00*	5670	1.70						
	18	85	71.75*	5720	1.95	S SF SA SAF	47	DR	63L4		
	19	97	69.39	5640	1.60						
	19	80	67.20*	5740	2.1						
	20	90	63.80*	5670	1.70						
	24	78	54.59	5720	2.00	S SF SA SAF	47	DR	63L4		
	27	68	47.32	5760	2.3						

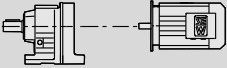


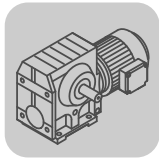
P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B					m [kg]	
0.25	13	108	98.80*	3000	0.80						
	15	96	86.36	3000	0.90						
	16	91	80.96	3000	0.95						
	18	81	71.44*	3000	1.05						
	21	73	63.33	3000	1.10						
	23	78	55.93	3000	1.05						
	25	72	51.30*	3000	1.15						
	30	62	43.68	3000	1.30						
	35	54	37.66	3000	1.45						
	37	51	35.10*	3000	1.55						
	42	45	30.68	3000	1.70						
	45	42	28.76	3000	1.80						
	51	37	25.38*	3000	2.00						
	58	33	22.50*	3000	2.2						
	65	32	19.89	2870	1.65						
	71	29	18.24*	2820	1.80						
	84	25	15.53	2710	2.0						
	97	22	13.39	2620	2.3						
	104	20	12.48*	2570	2.4						
	119	18	10.91	2480	2.7						
	127	17	10.23	2440	2.8						
	144	15	9.02*	2360	3.1						
	162	13	8.00*	2280	3.4						
	191	11	6.80*	2180	3.8						
	205	11	6.33	2130	3.3						
	241	9.0	5.38	2030	3.8						
	267	8.2	4.86*	1980	4.0						
	328	6.7	3.97	1860	4.8						
	92	21	28.76	2740	3.0						
	105	19	25.38*	2650	3.3						
	118	17	22.50*	2560	3.4						
	134	16	19.89	2410	2.8						
	146	15	18.24*	2350	3.0						
	171	12	15.53	2250	3.4						
	199	11	13.39	2160	3.8						
	213	10	12.48*	2120	4.0						
0.37	0.67	2850	2054	24500	0.90						
	0.76	2530	1824	27400	1.00						
	0.85	2260	1631	28000	1.10						
	1.5	1340	930	29400	1.85						
	1.7	1210	831	29500	2.1						
	1.9	1310	714	11300	0.95						
	2.2	1160	637	12600	1.05						
	2.4	1050	574	13400	1.15						
	2.8	900	499	14300	1.35						
	3.2	795	438	14900	1.55						
	3.6	705	389	15300	1.75						
	3.8	620	365	7560	0.90						
	4.3	540	319	8450	1.05						
	4.9	475	281	9030	1.20						
	5.6	430	246	9380	1.30						
	3.5	635	256.47	15600	2.00						
	4.0	565	225.26	15800	2.2						
	4.2	540	214.00*	15900	2.3						
	4.2	500	217.41	8830	1.10						
	4.8	445	190.11	9280	1.25						
	5.0	425	180.60*	9410	1.30						
	5.7	380	158.45	9710	1.45						
	6.4	345	217.41	9900	1.50						
	7.3	305	190.11	10100	1.70						
	7.6	290	180.60*	10200	1.75						
	8.7	260	158.45	10300	2.00						
	10	225	134.40*	10400	2.3						
	11	205	121.33	10500	2.5						



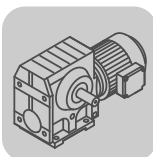
P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B					m [kg]	
0.37	5.7	355	158.12	6510	0.85	S	57	DRS	71M6	21	572
	6.6	310	137.05	6950	0.95					25	573
	7.1	295	128.10*	7110	1.00					21	574
	8.2	260	110.73	7400	1.15					24	573
	9.6	225	94.08*	7640	1.30						
	11	205	84.00*	7770	1.45	SF	57	DRS	71M6		
	6.9	300	201.00*	7050	0.95						
	7.5	280	184.80*	7230	1.05						
	8.7	245	158.12	7510	1.20						
	10	215	137.05	7690	1.35						
	11	205	128.10*	7770	1.45	SA	57	DRS	71S4	20	572
	12	180	110.73	7900	1.65					24	573
	15	156	94.08*	8000	1.90					20	574
	16	141	84.00*	8060	2.1					23	573
	19	122	71.75*	8130	2.4						
	20	139	69.39	8070	1.75	SAF	57	DRS	71S4		
	21	115	67.20*	8150	2.5						
	22	128	63.80*	8110	1.90						
	10	210	137.05	5110	0.80	S	47	DRS	71S4	16	567
	11	198	128.10*	5180	0.85					20	568
	12	175	110.73	5320	0.95					17	569
	15	151	94.08*	5430	1.10					19	568
	16	137	84.00*	5500	1.20						
	19	119	71.75*	5580	1.40	SF	47	DRS	71S4		
	20	136	69.39	5460	1.15						
	21	112	67.20*	5610	1.50						
	22	126	63.80*	5510	1.25						
	25	109	54.59	5590	1.40						
	29	96	47.32	5410	1.60	SA	47	DRS	71S4		
	31	90	44.22*	5330	1.75						
	36	78	38.23	5140	2.00						
	42	67	32.48*	4930	2.3						
	48	60	29.00*	4790	2.6	SAF	47	DRS	71S4		
	56	52	24.77	4590	3.0						
	59	49	23.20*	4510	3.1						
	68	46	20.33	4180	2.4						
	78	40	17.62	4030	2.8						
	84	37	16.47*	3960	3.0	S	37	DRS	71S4	13	563
	22	103	63.33	3000	0.80					15	564
	27	101	51.30*	3000	0.80					13	565
	32	87	43.68	3000	0.95					15	564
	37	76	37.66	3000	1.05						
	39	71	35.10*	3000	1.10	SF	37	DRS	71S4		
	45	62	30.68	3000	1.20						
	48	59	28.76	3000	1.30						
	54	52	25.38*	2940	1.40						
	61	47	22.50*	2870	1.55						
	69	44	19.89	2610	1.20	SA	37	DRS	71S4		
	76	41	18.24*	2570	1.30						
	89	35	15.53	2500	1.45						
	103	30	13.39	2420	1.60						
	111	28	12.48*	2390	1.70	SAF	37	DRS	71S4		
	126	25	10.91	2320	1.95						
	135	23	10.23	2280	2.0						
	153	21	9.02*	2220	2.2						
	172	18	8.00*	2150	2.4						
	203	16	6.80*	2070	2.7	S	37	DRS	71S4		
	218	15	6.33	2020	2.4						
	256	13	5.38	1930	2.7						
	284	11	4.86*	1880	2.9						
	348	9.3	3.97	1780	3.4						



P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B					m [kg]	
0.37	104	28	25.38*	2540	2.2						
	118	25	22.50*	2460	2.3						
	133	24	19.89	2290	1.85						
	145	22	18.24*	2240	2.0	S	37	DR	63L2	11	563
	171	19	15.53	2160	2.3	SF	37	DR	63L2	13	564
	198	16	13.39	2080	2.6	SA	37	DR	63L2	11	565
	212	15	12.48*	2040	2.7	SAF	37	DR	63L2	12	564
	243	13	10.91	1970	3.0						
	259	12	10.23	1940	3.1						
	294	11	9.02*	1870	3.3						
0.55	1.0	2800	1332	25400	0.90						
	1.2	2530	1191	27400	1.00						
	1.3	2200	1032	28100	1.15	S	87R57	DRS	71M4	110	597
	1.5	2030	930	28400	1.25	SF	87R57	DRS	71M4	130	597
	1.7	1840	831	28700	1.35	SA	87R57	DRS	71M4	110	597
	1.9	1600	719	29000	1.55	SAF	87R57	DRS	71M4	125	597
	2.2	1390	624	29300	1.80						
	2.5	1260	558	29400	2.00						
	3.2	1010	435	29700	2.4						
	3.2	1200	438	12300	1.05	S	77R37	DRS	71M4	62	597
	3.6	1070	389	13300	1.15	SF	77R37	DRS	71M4	72	597
	4.2	900	327	14400	1.35	SA	77R37	DRS	71M4	62	597
	4.8	810	289	14800	1.50	SAF	77R37	DRS	71M4	68	597
	5.5	705	250	15300	1.75						
	5.6	645	246	6520	0.90	S	67R37	DRS	71M4	43	597
	6.2	580	221	8080	1.00	SF	67R37	DRS	71M4	49	597
	7.0	525	198	8590	1.10	SA	67R37	DRS	71M4	44	597
	8.2	450	168	9220	1.25	SAF	67R37	DRS	71M4	48	597
	3.2	1110	288.00*	29600	2.2	S	87	DRS	80S6	91	587
	3.5	1000	258.18	29700	2.4	SF	87	DRS	80S6	115	588
	4.1	880	222.40*	29800	2.7	SA	87	DRS	80S6	89	589
	4.5	810	202.96	29800	2.9	SAF	87	DRS	80S6	105	588
	3.6	940	256.47	14200	1.35	S	77	DRS	80S6	55	582
	4.1	830	225.26	14700	1.50	SF	77	DRS	80S6	65	583
	4.3	800	214.00*	14900	1.60	SA	77	DRS	80S6	55	584
	4.8	715	189.09	15300	1.75	SAF	77	DRS	80S6	61	583
	5.7	620	161.60*	15600	2.0						
	5.4	650	256.47	15500	1.95	S	77	DRS	71M4	53	582
	6.1	580	225.26	15800	2.2	SF	77	DRS	71M4	63	583
	6.4	550	214.00*	15900	2.3	SA	77	DRS	71M4	52	584
	7.3	495	189.09	16000	2.6	SAF	77	DRS	71M4	59	583
	6.4	515	217.41	8720	1.00						
	7.3	455	190.11	9190	1.15						
	7.6	435	180.60*	9340	1.20						
	8.7	385	158.45	9650	1.35	S	67	DRS	71M4	32	577
	10	335	134.40*	9950	1.55	SF	67	DRS	71M4	38	578
	11	305	121.33	10100	1.70	SA	67	DRS	71M4	33	579
	13	270	106.75*	10200	1.90	SAF	67	DRS	71M4	37	578
	14	255	100.80*	10300	2.0						
	16	220	85.83	10400	2.3						
	18	225	75.06	10400	2.1						
	21	200	65.63	10500	2.4						
	9.7	330	94.08*	6760	0.90						
	11	300	84.00*	7070	1.00						
	13	260	71.75*	7390	1.10	S	57	DRS	80S6	23	572
	14	245	67.20*	7500	1.20	SF	57	DRS	80S6	27	573
	17	240	54.59	7540	1.10	SA	57	DRS	80S6	23	574
	19	210	47.32	7730	1.30	SAF	57	DRS	80S6	26	573
	21	199	44.22*	7800	1.35						
	24	173	38.23	7930	1.55						

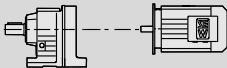


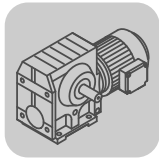
P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B					m [kg]	
0.55	8.7	365	158.12	6390	0.80	S	57	DRS	71M4	21	572
	10	320	137.05	6860	0.90						
	11	300	128.10*	7040	0.95						
	12	265	110.73	7350	1.10						
	15	230	94.08*	7600	1.25						
	16	205	84.00*	7740	1.40						
	19	182	71.75*	7890	1.60						
	21	172	67.20*	7940	1.65						
	25	165	54.59	7970	1.50					25	573
	29	144	47.32	8050	1.70					21	574
	31	135	44.22*	8080	1.80					24	573
	36	118	38.23	8140	2.1						
	42	101	32.48*	7940	2.4						
	48	91	29.00*	7690	2.7						
	56	78	24.77	7360	3.1						
	59	74	23.20*	7220	3.3						
	68	68	20.33	6740	2.5						
	16	200	84.00*	5160	0.80						
	19	177	71.75*	5310	0.95						
	21	167	67.20*	5360	1.00						
	25	162	54.59	5120	0.95						
	29	142	47.32	5000	1.10	SF	47	DRS	71M4	17	567
	31	133	44.22*	4940	1.15						
	36	116	38.23	4800	1.35						
	42	100	32.48*	4640	1.55						
	48	90	29.00*	4530	1.75					21	568
	56	77	24.77	4360	2.0					18	569
	59	73	23.20*	4300	2.1						
	68	68	20.33	3910	1.60					20	568
	78	59	17.62	3790	1.85						
	84	56	16.47*	3740	2.00						
	97	48	14.24	3620	2.3						
	114	41	12.10*	3480	2.6						
	128	37	10.80*	3390	3.0						
	150	32	9.23*	3260	3.4						
	45	93	30.68	2680	0.80						
	48	87	28.76	2660	0.85						
	54	78	25.38*	2630	0.95						
	61	69	22.50*	2590	1.05						
	72	60	19.13*	2530	1.20						
	89	52	15.53	2230	0.95						
	103	45	13.39	2190	1.10	S	37	DRS	71M4	14	563
	111	42	12.48*	2170	1.15						
	126	37	10.91	2130	1.30					16	564
	135	35	10.23	2110	1.35					14	565
	153	31	9.02*	2060	1.50					16	564
	172	27	8.00*	2010	1.65						
	203	23	6.80*	1950	1.85						
	218	22	6.33	1900	1.60						
	256	19	5.38	1830	1.80						
	284	17	4.86*	1790	1.95						
	348	14	3.97	1700	2.3						
	98	45	28.76	2400	1.45						
	111	40	25.38*	2340	1.55						
	125	35	22.50*	2290	1.60						
	141	33	19.89	2090	1.35						
	154	30	18.24*	2060	1.45						
	181	26	15.53	2000	1.60					14	563
	210	23	13.39	1930	1.80					16	564
	225	21	12.48*	1900	1.90					14	565
	258	18	10.91	1850	2.1					16	564
	275	17	10.23	1820	2.2	SF	37	DRS	71M2		
	311	15	9.02*	1770	2.3						
	351	14	8.00*	1710	2.6						
	413	12	6.80*	1640	2.5						

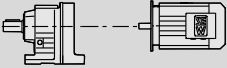


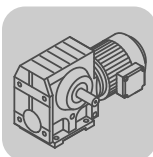
S..DRS

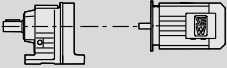
S..DRS [kW]

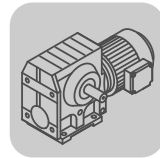
P _m [kW]	n _a [1/min]	M _a [Nm]	i	F _{Ra} ¹⁾ [N]	SEW f _B					m [kg]	
0.75	1.2	4790	1223	22000	0.90	S SF SA SAF	97R57	DRS	80S4	175	597
	1.3	4200	1070	31200	1.00						
	1.5	3620	928	33900	1.15						
	1.7	3200	824	34600	1.30						
	2.0	2280	714	35900	1.85						
	2.2	2430	626	35700	1.75						
	2.6	2080	538	36100	2.0						
	2.9	1880	484	36300	2.2						
	1.4	2990	1032	19900	0.85	S SF SA SAF	87R57	DRS	80S4	115	597
	1.5	2750	930	26200	0.90						
	1.7	2490	831	27500	1.00						
	2.0	2170	719	28100	1.15						
	2.3	1890	624	28600	1.30						
	2.5	1710	558	28900	1.45						
	3.2	1370	435	29300	1.80						
	4.4	1050	323	29600	2.3						
	4.3	1220	327	12100	1.00	S SF SA SAF	77R37	DRS	80S4	64	597
	4.9	1100	289	13100	1.15						
	5.6	950	250	14100	1.30						
	6.4	840	219	14700	1.45						
	3.2	1510	288.00*	29100	1.60	S SF SA SAF	87	DRS	80M6	94	587
	3.5	1370	258.18	29300	1.75						
	4.1	1200	222.40*	29500	2.00						
	4.5	1100	202.96	29600	2.2						
	4.9	1020	288.00*	29700	2.2	S SF SA SAF	87	DRS	80S4	91	587
	5.5	930	258.18	29700	2.4						
	6.3	810	222.40*	29800	2.8						
	7.0	745	202.96	29900	3.0						
	4.1	1140	225.26	12800	1.10	S SF SA SAF	77	DRS	80M6	58	582
	4.3	1090	214.00*	13200	1.15						
	4.8	970	189.09	13900	1.30						
	5.7	840	161.60*	14700	1.50						
	5.5	870	256.47	14500	1.45	S SF SA SAF	77	DRS	80S4	55	582
	6.3	775	225.26	15000	1.65						
	6.6	740	214.00*	15200	1.70						
	7.5	660	189.09	15500	1.90						
	8.7	575	161.60*	15800	2.2						
	9.5	530	148.15	15900	2.3						
	11	470	130.00*	16000	2.6						
	11	445	123.20*	16000	2.7						
	13	395	107.83	16000	2.9						
	7.4	610	190.11	7710	0.85	S SF SA SAF	67	DRS	80S4	34	577
	7.8	585	180.60*	8020	0.90						
	8.9	520	158.45	8670	1.00						
	10	450	134.40*	9250	1.15						
	12	410	121.33	9520	1.25						
	13	365	106.75*	9790	1.40						
	14	345	100.80*	9890	1.50						
	16	300	85.83	10100	1.75						
	19	305	75.06	10100	1.55						
	21	265	65.63	10300	1.80						
	23	255	62.35*	10300	1.85						
	26	225	54.70	10200	2.1						
	30	194	46.40*	9780	2.5						
	13	355	71.75*	6490	0.80	S SF SA SAF	57	DRS	80M6	26	572
	14	335	67.20*	6720	0.85						
	16	290	56.61	7170	1.05						
	19	285	47.32	7190	0.95						
	21	270	44.22*	7330	1.00	S SF SA SAF	57	DRS	80M6	26	572

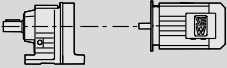


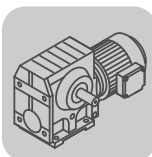
P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B					m [kg]	
0.75	13	355	110.73	6480	0.80	S SF SA SAF	57 57 57 57	DRS DRS DRS DRS	80S4 80S4 80S4 80S4	23 27 23 26	572 573 574 573
	15	310	94.08*	6990	0.95						
	17	280	84.00*	7250	1.05						
	20	240	71.75*	7530	1.20						
	21	225	67.20*	7620	1.25						
	26	220	54.59	7680	1.10						
	30	193	47.32	7830	1.25						
	32	181	44.22*	7890	1.35						
	37	158	38.23	7940	1.55						
	43	135	32.48*	7630	1.80						
	49	121	29.00*	7410	2.0						
	57	104	24.77	7110	2.3						
	61	98	23.20*	6990	2.5						
	69	91	20.33	6450	1.85						
	80	79	17.62	6230	2.1						
	86	74	16.47*	6120	2.3						
	99	65	14.24	5900	2.6						
	30	190	47.32	4520	0.80	S SF SA SAF	47 47 47 47	DRS DRS DRS DRS	80S4 80S4 80S4 80S4	20 23 21 22	567 568 569 568
	32	178	44.22*	4490	0.85						
	37	156	38.23	4410	1.00						
	43	134	32.48*	4300	1.15						
	49	120	29.00*	4220	1.30						
	57	103	24.77	4100	1.50	S SF SA SAF	47 47 47 47	DRS DRS DRS DRS	80S4 80S4 80S4 80S4	20 23 21 22	567 568 569 568
	61	97	23.20*	4040	1.55						
	69	91	20.33	3590	1.20						
	80	79	17.62	3520	1.40						
	86	74	16.47*	3480	1.50						
	99	64	14.24	3390	1.70						
	117	55	12.10*	3290	2.00						
	131	49	10.80*	3210	2.2						
	153	42	9.23*	3100	2.6						
	163	40	8.64*	3060	2.8						
	194	34	7.28	2930	3.1						
	219	30	6.40*	2830	2.5						
	260	25	5.39	2710	2.9						
	294	22	4.76	2620	3.2						
	350	19	4.00*	2500	3.7						
	74	80	19.13*	2260	0.90	S SF SA SAF	37 37 37 37	DRS DRS DRS DRS	80S4 80S4 80S4 80S4	17 18 16 18	563 564 565 564
	113	56	12.48*	1930	0.85						
	129	49	10.91	1920	1.00						
	138	46	10.23	1900	1.00						
	156	41	9.02*	1880	1.10						
	176	36	8.00*	1850	1.25						
	207	31	6.80*	1810	1.40						
	221	30	6.33	1760	1.20						
	260	25	5.38	1720	1.35						
	288	23	4.86*	1680	1.45						
	353	19	3.97	1620	1.70						
	146	41	19.13*	2070	1.05	S SF SA SAF	37 37 37 37	DRS DRS DRS DRS	80S2 80S2 80S2 80S2	17 18 16 18	563 564 565 564
	180	36	15.53	1850	1.20						
	209	31	13.39	1810	1.35						
	224	29	12.48*	1790	1.40						
	257	25	10.91	1740	1.55						
	274	24	10.23	1720	1.60						
	310	21	9.02*	1680	1.70						
	350	19	8.00*	1640	1.85						
	412	16	6.80*	1580	1.80						
1.1	1.7	4740	824	22900	0.90	S SF SA SAF	97R57 97R57 97R57 97R57	DRS DRS DRS DRS	80M4 80M4 80M4 80M4	175 210 170 195	597 597 597 597
	2.0	3380	714	34400	1.25						
	2.2	3600	626	34000	1.15						
	2.6	3100	538	34800	1.35						
	2.9	2800	484	35200	1.50						
	3.4	2430	420	35700	1.75						

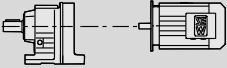


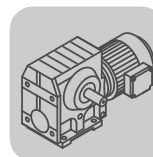
P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B					m [kg]	
1.1	2.3	2820	624	25200	0.90	S SF SA SAF	87R57	DRS	80M4	115	597
	2.5	2550	558	27400	1.00					135	597
	2.9	2240	485	28000	1.10					115	597
	3.2	2040	435	28400	1.20					130	597
	3.7	1790	378	28800	1.35						
	4.4	1560	323	29100	1.55						
	5.0	1370	281	29300	1.75						
	5.5	1460	255	29200	1.35						
	6.4	1280	222	29400	1.55						
	6.9	1200	205	29500	1.65						
	6.4	1240	219	11900	1.00	S	77R37	DRS	80M4	67	597
						SF	77R37	DRS	80M4	77	597
						SA	77R37	DRS	80M4	67	597
						SAF	77R37	DRS	80M4	73	597
	3.2	2280	286.40*	35900	1.85	S	97	DRS	90L6	160	592
	3.6	2100	262.22	36100	2.00	SF	97	DRS	90L6	190	593
	4.0	1880	231.67	36300	2.2	SA	97	DRS	90L6	155	594
						SAF	97	DRS	90L6	180	593
	3.6	1980	258.18	28500	1.20	S	87	DRS	90L6	100	587
	4.2	1730	222.40*	28800	1.40	SF	87	DRS	90L6	120	588
	4.6	1600	202.96	29000	1.50	SA	87	DRS	90L6	98	589
						SAF	87	DRS	90L6	115	588
	4.9	1500	288.00*	29200	1.50	S SF SA SAF	87	DRS	80M4	94	587
	5.5	1360	258.18	29300	1.65					115	588
	6.3	1190	222.40*	29500	1.90					91	589
	7.0	1090	202.96	29600	2.1					110	588
	7.8	980	180.00*	29700	2.2						
	9.3	830	151.30	29800	2.6						
	6.3	1130	225.26	12800	1.10	S SF SA SAF	77	DRS	80M4	58	582
	6.6	1080	214.00*	13200	1.15					68	583
	7.5	970	189.09	14000	1.30					57	584
	8.7	840	161.60*	14700	1.50					64	583
	9.5	780	148.15	15000	1.60						
	11	690	130.00*	15400	1.75						
	11	655	123.20*	15500	1.80						
	13	580	107.83	15800	2.0						
	15	525	97.14	15900	2.2						
	17	465	85.22	16000	2.3						
	12	600	121.33	7830	0.85	S SF SA SAF	67	DRS	80M4	37	577
	13	535	106.75*	8520	0.95					43	578
	14	505	100.80*	8770	1.00					38	579
	16	440	85.83	9320	1.20					42	578
	18	400	78.00*	9560	1.30						
	21	395	65.63	9620	1.20						
	23	375	62.35*	9730	1.30						
	26	330	54.70	9550	1.45						
	30	280	46.40*	9230	1.70						
	34	255	41.89	9020	1.85						
	38	225	36.85	8760	2.1						
	41	215	34.80*	8640	2.2						
	48	186	29.63	8320	2.6						
	20	355	71.75*	6500	0.80	S	57	DRS	80M4	26	572
	21	335	67.20*	6730	0.85	SF	57	DRS	80M4	30	573
	25	285	56.61	7190	0.90	SA	57	DRS	80M4	26	574
	30	280	47.32	7240	0.85	SAF	57	DRS	80M4	29	573
	32	265	44.22*	7370	0.90	S SF SA SAF	57	DRS	80M4	26	572
	37	230	38.23	7400	1.05					30	573
	43	198	32.48*	7160	1.25					26	574
	49	178	29.00*	6990	1.40					29	573
	57	153	24.77	6750	1.60						
	61	144	23.20*	6650	1.70						
	72	122	19.54	6380	1.75						
	80	116	17.62	5860	1.45						
	86	109	16.47*	5780	1.55						
	99	95	14.24	5600	1.80						
	117	81	12.10*	5390	2.1						
	131	72	10.80*	5250	2.3						
	153	62	9.23*	5040	2.7						

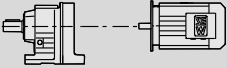


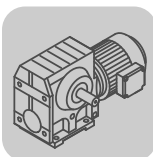
P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B					m [kg]	
1.1	49	176	29.00*	3720	0.90	S	47	DRS	80M4	22	567
	57	152	24.77	3670	1.00					26	568
	61	142	23.20*	3640	1.05					23	569
	72	121	19.54	3560	1.20					25	568
	80	116	17.62	3070	0.95						
	86	109	16.47*	3060	1.00	SF	47	DRS	80M4		
	99	94	14.24	3030	1.15						
	117	81	12.10*	2980	1.35						
	131	72	10.80*	2940	1.50						
	153	62	9.23*	2860	1.75						
	163	58	8.64*	2830	1.85	SA	47	DRS	80M4	22	567
	194	49	7.28	2750	2.1					26	568
	220	44	6.40*	2650	1.75					23	569
	262	37	5.39	2560	2.0					25	568
	296	33	4.76	2490	2.2						
	352	28	4.00*	2390	2.5						
	176	54	8.00*	1580	0.85	SAF	47	DRS	80M4		
	207	46	6.80*	1580	0.95						
	223	43	6.33	1540	0.80					19	563
	262	37	5.38	1520	0.95					21	564
	290	33	4.86*	1510	1.00					19	565
	356	27	3.97	1470	1.20					21	564
	212	45	13.39	1580	0.90	S	37	DRS	80M2		
	228	42	12.48*	1580	0.95						
	260	37	10.91	1560	1.05					19	563
	278	34	10.23	1550	1.10					21	564
	315	30	9.02*	1520	1.20					19	565
	355	27	8.00*	1500	1.30	SF	37	DRS	80M2		
	418	23	6.80*	1460	1.25						
1.5	2.0	4670	714	27700	0.90						
	2.2	4980	626	14100	0.85						
	2.6	4290	538	30000	1.00	SA	97R57	DRS	90M4	180	597
	2.9	3870	484	33400	1.10					215	597
	3.3	3370	420	34400	1.25					175	597
	3.7	3040	376	34900	1.40					200	597
	4.3	2670	327	35400	1.55						
	2.9	3110	485	14900	0.80	SAF	97R57	DRS	90M4		
	3.2	2820	435	25200	0.85						
	3.7	2490	378	27500	1.00					120	597
	4.3	2160	323	28200	1.10					140	597
	5.0	1900	281	28600	1.25					120	597
	5.5	2030	255	28400	0.95	S	87R57	DRS	90M4	135	597
	6.3	1780	222	28800	1.10						
	6.8	1660	205	28900	1.20						
	3.2	3130	286.40*	34800	1.35					165	592
	3.5	2890	262.22	35100	1.45	SF	97	DRS	100M6	195	593
	4.0	2580	231.67	35500	1.65					160	594
	4.7	2220	196.52	35900	1.90					185	593
	4.9	2140	286.40*	36000	1.85						
	5.3	1980	262.22	36200	2.0					155	592
	6.0	1760	231.67	36400	2.3	SA	97	DRS	90M4	190	593
	7.1	1510	196.52	36600	2.6					150	594
	3.6	2720	258.18	26800	0.90					175	593
	4.2	2380	222.40*	27700	1.00	SAF	97	DRS	90M4	105	587
	4.6	2190	202.96	28100	1.10					125	588
	5.1	1960	180.00*	28500	1.20					105	589
	4.9	2060	288.00*	28300	1.10					120	588
	5.4	1870	258.18	28600	1.20	S	87	DRS	100M6		
	6.3	1630	222.40*	29000	1.40						
	6.9	1500	202.96	29200	1.50					98	587
	7.8	1340	180.00*	29300	1.65					120	588
	9.2	1140	151.30	29600	1.85					95	589
	10	1060	139.05	29600	2.00	SF	87	DRS	90M4	110	588
	11	950	123.48	29700	2.2						
	13	850	110.40*	29800	2.3						
	14	775	99.26	29900	2.5						

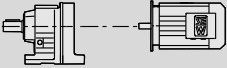


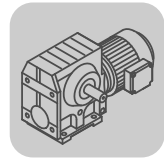
P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B					m [kg]	
1.5	7.4	1330	189.09	10100	0.95						
	8.7	1150	161.60*	12700	1.10						
	9.4	1070	148.15	13300	1.15						
	11	950	130.00*	14100	1.25						
	11	900	123.20*	14400	1.35						
	13	800	107.83	14900	1.45						
	14	725	97.14	15200	1.55	S	77	DRS	90M4	62	582
	16	640	85.22	15400	1.70	SF	77	DRS	90M4	71	583
	19	650	75.09	14200	1.70	SA	77	DRS	90M4	61	584
	20	620	71.33	14000	1.75	SAF	77	DRS	90M4	68	583
	21	510	66.67	14600	2.0						
	22	550	63.03	13700	2.00						
	25	440	56.92	14000	2.2						
	26	475	53.87	13200	2.3						
	28	435	49.38	13000	2.5						
	32	385	43.33	12600	2.8						
	16	600	85.83	7800	0.85	S	67	DRS	90M4	42	577
	18	550	78.00*	8350	0.95	SF	67	DRS	90M4	48	578
	21	540	65.63	8470	0.90	SA	67	DRS	90M4	43	579
						SAF	67	DRS	90M4	47	578
	22	515	62.35*	8710	0.95						
	26	455	54.70	8810	1.05						
	30	390	46.40*	8600	1.25						
	33	355	41.89	8460	1.35						
	38	310	36.85	8260	1.55						
	40	295	34.80*	8170	1.60	S	67	DRS	90M4	42	577
	47	255	29.63	7910	1.90	SF	67	DRS	90M4	48	578
	52	230	26.93	7750	2.1	SA	67	DRS	90M4	43	579
	57	220	24.44	7010	1.50	SAF	67	DRS	90M4	47	578
	60	210	23.22*	6950	1.60						
	69	188	20.37	6800	1.80						
	81	160	17.28*	6580	2.1						
	90	145	15.60*	6450	2.4						
	102	128	13.73*	6270	2.7						
	43	270	32.48*	6640	0.90						
	48	240	29.00*	6520	1.00						
	57	210	24.77	6350	1.15						
	60	198	23.20*	6280	1.25						
	72	168	19.54	6070	1.30	S	57	DRS	90M4	30	572
	79	160	17.62	5430	1.05	SF	57	DRS	90M4	34	573
	85	150	16.47*	5380	1.10	SA	57	DRS	90M4	30	574
	98	130	14.24	5260	1.30	SAF	57	DRS	90M4	33	573
	116	111	12.10*	5100	1.50						
	130	100	10.80*	4990	1.70						
	152	85	9.23*	4830	2.00						
	98	130	14.24	2610	0.85	S	47	DRS	90M4	27	567
	116	111	12.10*	2620	1.00	SF	47	DRS	90M4	30	568
	130	99	10.80*	2620	1.10	SA	47	DRS	90M4	28	569
						SAF	47	DRS	90M4	29	568
	152	85	9.23*	2600	1.30						
	162	80	8.64*	2580	1.35						
	192	68	7.28	2530	1.50	S	47	DRS	90M4	27	567
	218	60	6.40*	2460	1.25	SF	47	DRS	90M4	30	568
	259	51	5.39	2400	1.45	SA	47	DRS	90M4	28	569
	293	45	4.76	2350	1.60	SAF	47	DRS	90M4	29	568
	349	38	4.00*	2270	1.85						
	314	42	9.02*	1350	0.85	S	37	DRS	90M2	24	563
	354	37	8.00*	1350	0.95	SF	37	DRS	90M2	25	564
	416	32	6.80*	1330	0.90	SA	37	DRS	90M2	23	565
						SAF	37	DRS	90M2	25	564
2.2	3.3	4970	420	14200	0.85						
	3.7	4490	376	27100	0.95	S	97R57	DRS	90L4	185	597
	4.3	3930	327	33300	1.05	SF	97R57	DRS	90L4	215	597
	4.9	3480	287	34200	1.20	SA	97R57	DRS	90L4	180	597
	5.6	3050	252	34900	1.40	SAF	97R57	DRS	90L4	205	597
	3.3	4460	286.40*	31100	0.95	S	97	DRS	112M6	180	592
	3.6	4110	262.22	32900	1.00	SF	97	DRS	112M6	210	593
	4.1	3670	231.67	33800	1.15	SA	97	DRS	112M6	175	594
	4.9	3160	196.52	34700	1.35	SAF	97	DRS	112M6	200	593

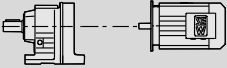


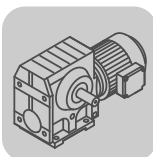
P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B					m [kg]	
2.2	4.9	3140	286.40*	34700	1.25	S SF SA SAF	97 97 97 97	DRS DRS DRS DRS	90L4 90L4 90L4 90L4	160 190 155 180	592 593 594 593
	5.3	2900	262.22	35100	1.40						
	6.0	2590	231.67	35500	1.55						
	7.1	2220	196.52	35900	1.80						
	7.7	2060	180.95	36100	1.90						
	8.7	1850	161.74	36300	2.1						
	9.6	1680	145.60*	36400	2.2						
	11	1530	131.85	36600	2.4						
	12	1360	116.92	36700	2.6						
	13	1240	105.71	36700	2.8						
	16	1060	89.60*	36800	3.0						
	5.4	2740	258.18	26500	0.85	S SF SA SAF	87 87 87 87	DRS DRS DRS DRS	90L4 90L4 90L4 90L4	100 120 98 115	587 588 589 588
	6.3	2400	222.40*	27700	0.95						
	6.9	2200	202.96	28100	1.00						
	7.8	1970	180.00*	28500	1.10						
	9.2	1680	151.30	28900	1.30						
	10	1550	139.05	29100	1.35						
	11	1390	123.48	29300	1.45						
	13	1250	110.40*	29400	1.60						
	14	1130	99.26	29600	1.70						
	16	990	86.15	29700	1.90						
	17	1060	81.76	29600	1.50						
	18	890	77.14	29800	2.0						
	20	920	70.43	29700	1.75						
	22	840	64.27	29800	1.90						
	25	755	57.00*	29900	2.1						
	11	1390	130.00*	5060	0.85	S SF SA SAF	77 77 77 77	DRS DRS DRS DRS	90L4 90L4 90L4 90L4	64 74 64 70	582 583 584 583
	11	1320	123.20*	10600	0.90						
	13	1170	107.83	12500	1.00						
	14	1060	97.14	13400	1.05						
	16	940	85.22	14100	1.15						
	19	840	75.20*	13800	1.25						
	21	750	66.67	13500	1.40						
	22	810	63.03	12400	1.35						
	25	645	56.92	13100	1.55						
	26	695	53.87	12100	1.60						
	28	640	49.38	12000	1.70						
	32	565	43.33	11700	1.95						
	34	535	41.07	11600	2.0						
	39	470	35.94	11300	2.3						
	43	425	32.38	11100	2.6						
	49	375	28.41	10800	2.8						
	56	330	25.07	10500	3.1						
	61	310	22.89	9500	2.2						
	67	285	20.99	9350	2.4						
	30	570	46.40*	7480	0.85	S SF SA SAF	67 67 67 67	DRS DRS DRS DRS	90L4 90L4 90L4 90L4	44 51 45 50	577 578 579 578
	33	520	41.89	7440	0.90						
	38	460	36.85	7360	1.05						
	40	435	34.80*	7320	1.10						
	47	370	29.63	7180	1.30						
	52	340	26.93	7090	1.40						
	60	295	23.33	6930	1.60						
	69	275	20.37	6060	1.25						
	81	230	17.28*	5960	1.45						
	90	210	15.60*	5880	1.60						
	102	188	13.73*	5770	1.80						
	108	177	12.96*	5720	1.90						
	127	152	11.03	5560	2.2						
	140	138	10.03	5460	2.5						
	161	120	8.69	5300	2.8						
	98	191	14.24	4640	0.90	S SF SA SAF	57 57 57 57	DRS DRS DRS DRS	90L4 90L4 90L4 90L4	33 37 33 35	572 573 574 573
	116	163	12.10*	4580	1.05						
	130	146	10.80*	4520	1.15						
	152	125	9.23*	4430	1.35						
	162	118	8.64*	4380	1.40						
	192	99	7.28	4260	1.45						
	219	88	6.40*	4110	1.10						
	260	75	5.39	3970	1.25						
	294	66	4.76	3870	1.40						
	350	56	4.00*	3720	1.60						

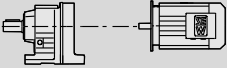
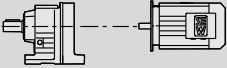
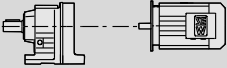


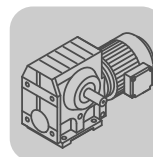
P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B					m [kg]	
3.0	4.9	4750	287	22900	0.90	S	97R57	DRS	100M4	190	597
	5.6	4170	252	31900	1.00	SF	97R57	DRS	100M4	220	597
	6.4	3650	219	33900	1.15	SA	97R57	DRS	100M4	180	597
	6.8	3430	205	34300	1.20	SAF	97R57	DRS	100M4	210	597
	4.9	4290	286.40*	32600	0.95						
	5.3	3960	262.22	33300	1.00						
	6.0	3530	231.67	34100	1.15						
	7.1	3030	196.52	34900	1.30						
	7.7	2810	180.95	35200	1.40	S	97	DRS	100M4	165	592
	8.7	2530	161.74	35600	1.50	SF	97	DRS	100M4	195	593
	9.6	2290	145.60*	35900	1.65	SA	97	DRS	100M4	160	594
	11	2090	131.85	36100	1.75	SAF	97	DRS	100M4	185	593
	12	1860	116.92	36300	1.90						
	13	1690	105.71	36400	2.0						
	16	1450	89.60*	36600	2.2						
	17	1470	80.85	36600	2.2						
	7.8	2690	180.00*	27100	0.80						
	9.2	2290	151.30	27900	0.95						
	10	2120	139.05	28200	1.00						
	11	1900	123.48	28600	1.10						
	13	1710	110.40*	28900	1.15						
	14	1550	99.26	29100	1.25						
	16	1360	86.15	29300	1.40	S	87	DRS	100M4	105	587
	17	1450	81.76	29200	1.10	SF	87	DRS	100M4	125	588
	18	1220	77.14	29500	1.50	SA	87	DRS	100M4	105	589
	20	1260	70.43	29400	1.25	SAF	87	DRS	100M4	120	588
	22	1150	64.27	29500	1.40						
	25	1020	57.00*	29600	1.55						
	29	870	47.91	29800	1.85						
	32	800	44.03	29800	2.00						
	36	715	39.10	29900	2.2						
	40	640	34.96*	29900	2.5						
	16	1280	85.22	11500	0.85	S	77	DRS	100M4	69	582
	19	1140	75.20*	12500	0.95	SF	77	DRS	100M4	79	583
	21	1020	66.67	12400	1.00	SA	77	DRS	100M4	69	584
	22	1100	63.03	10900	1.00	SAF	77	DRS	100M4	75	583
	25	880	56.92	12100	1.10						
	26	950	53.87	10800	1.15						
	28	870	49.38	10800	1.25						
	32	770	43.33	10700	1.40						
	34	730	41.07	10600	1.50						
	39	640	35.94	10400	1.70						
	43	580	32.38	10300	1.85	S	77	DRS	100M4	69	582
	49	510	28.41	10100	2.0	SF	77	DRS	100M4	79	583
	56	455	25.07	9840	2.2	SA	77	DRS	100M4	69	584
	61	425	22.89	8680	1.65	SAF	77	DRS	100M4	75	583
	67	390	20.99	8590	1.80						
	76	345	18.42	8450	2.0						
	80	325	17.45	8390	2.2						
	92	285	15.28	8210	2.5						
	102	260	13.76	8060	2.7						
	116	225	12.07	7870	3.1						
	131	200	10.65	7670	3.6						
	40	595	34.80*	6350	0.80	S	67	DRS	100M4	49	577
	47	510	29.63	6350	0.95	SF	67	DRS	100M4	56	578
	52	465	26.93	6330	1.05	SA	67	DRS	100M4	50	579
						SAF	67	DRS	100M4	55	578
	60	405	23.33	6270	1.20						
	69	375	20.37	5230	0.90						
	81	315	17.28*	5250	1.05						
	90	285	15.60*	5240	1.15	S	67	DRS	100M4	49	577
	102	255	13.73*	5210	1.35	SF	67	DRS	100M4	56	578
	108	240	12.96*	5180	1.40	SA	67	DRS	100M4	50	579
	127	205	11.03	5100	1.65	SAF	67	DRS	100M4	55	578
	140	188	10.03	5040	1.80						
	161	164	8.69	4940	2.0						
	185	143	7.56*	4830	2.1						

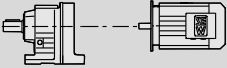


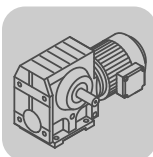
P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B					m [kg]	
3.0	130	199	10.80*	3990	0.85						
	152	171	9.23*	3970	1.00						
	162	160	8.64*	3960	1.05	S	57	DRS	100M4	38	572
	192	136	7.28	3900	1.10	SF	57	DRS	100M4	42	573
	219	120	6.40*	3770	0.80	SA	57	DRS	100M4	38	574
	260	102	5.39	3690	0.95	SAF	57	DRS	100M4	41	573
	294	90	4.76	3620	1.05						
	350	76	4.00*	3510	1.20						
4.0	6.6	4730	219	23300	0.90	S	97R57	DRS	100LC4	195	597
	7.0	4450	205	27800	0.95	SF	97R57	DRS	100LC4	225	597
						SA	97R57	DRS	100LC4	185	597
						SAF	97R57	DRS	100LC4	215	597
	6.2	4570	231.67	29500	0.85						
	7.4	3920	196.52	33300	1.00						
	8.0	3630	180.95	33900	1.10						
	8.9	3270	161.74	34500	1.15						
	9.9	2970	145.60*	35000	1.25						
	11	2700	131.85	35400	1.35	S	97	DRS	100LC4	170	592
	12	2410	116.92	35700	1.45	SF	97	DRS	100LC4	200	593
	14	2190	105.71	36000	1.55	SA	97	DRS	100LC4	165	594
	16	1870	89.60*	36300	1.75	SAF	97	DRS	100LC4	190	593
	18	1900	80.85	36300	1.70						
	20	1690	71.43	36400	1.95						
	24	1440	60.59	36600	2.3						
	26	1330	55.79	36700	2.5						
	12	2460	123.48	27600	0.85						
	13	2220	110.40*	28100	0.90						
	15	2010	99.26	28400	0.95						
	17	1760	86.15	28800	1.05						
	19	1580	77.14	29100	1.15						
	21	1630	70.43	29000	1.00						
	22	1490	64.27	29200	1.05	S	87	DRS	100LC4	110	587
	25	1330	57.00*	29300	1.20	SF	87	DRS	100LC4	130	588
	30	1120	47.91	29600	1.40	SA	87	DRS	100LC4	110	589
	33	1030	44.03	29600	1.55	SAF	87	DRS	100LC4	125	588
	37	920	39.10	29700	1.75						
	41	820	34.96*	29700	1.95						
	46	745	31.43	29000	2.1						
	53	650	27.28	28100	2.5						
	57	620	25.50*	26500	2.00						
	25	1140	56.92	10800	0.85	S	77	DRS	100LC4	74	582
	27	1230	53.87	9270	0.90	SF	77	DRS	100LC4	84	583
	29	1130	49.38	9330	0.95	SA	77	DRS	100LC4	74	584
	33	990	43.33	9370	1.10	SAF	77	DRS	100LC4	80	583
	35	940	41.07	9370	1.15						
	40	830	35.94	9340	1.30						
	45	750	32.38	9280	1.45						
	51	660	28.41	9170	1.60						
	58	585	25.07	9050	1.75						
	63	550	22.89	7650	1.25	S	77	DRS	100LC4	74	582
	69	505	20.99	7640	1.40	SF	77	DRS	100LC4	84	583
	78	445	18.42	7610	1.55	SA	77	DRS	100LC4	74	584
	83	425	17.45	7580	1.65	SAF	77	DRS	100LC4	80	583
	95	370	15.28	7500	1.90						
	105	335	13.76	7410	2.1						
	120	295	12.07	7290	2.4						
	136	260	10.65	7150	2.8						
	153	230	9.44	7010	3.1						
	179	199	8.06	6800	3.4						
	84	410	17.28*	3870	0.80						
	93	370	15.60*	4240	0.90						
	105	330	13.73*	4510	1.05	S	67	DRS	100LC4	54	577
	112	310	12.96*	4520	1.10	SF	67	DRS	100LC4	61	578
	131	265	11.03	4530	1.25	SA	67	DRS	100LC4	55	579
	144	240	10.03	4520	1.40	SAF	67	DRS	100LC4	60	578
	166	210	8.69	4480	1.60						
	191	184	7.56*	4420	1.60						

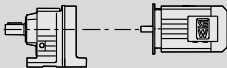


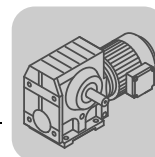
P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B					m [kg]	
5.5	8.9	4500	161.74	30600	0.85						
	9.9	4080	145.60*	33000	0.90						
	11	3720	131.85	33700	1.00						
	12	3320	116.92	34500	1.05						
	14	3020	105.71	34900	1.15						
	16	2580	89.60*	35500	1.25						
	18	2260	78.26	35900	1.35						
	20	2320	71.43	35800	1.40						
	22	1910	65.45	36200	1.50						
	24	1980	60.59	36200	1.65						
	26	1820	55.79	36300	1.80						
	29	1630	49.87	36500	2.0						
	32	1480	44.89	36600	2.2						
	36	1340	40.65	36700	2.5						
	19	2180	77.14	28100	0.85						
	23	1820	64.00*	28700	0.95						
	25	1830	57.00*	28700	0.85						
	30	1540	47.91	29100	1.05						
	33	1420	44.03	29200	1.10						
	37	1270	39.10	29100	1.25						
	41	1140	34.96*	28500	1.40						
	46	1020	31.43	27900	1.55						
	53	890	27.28	27100	1.80						
	57	850	25.50*	25200	1.45						
	67	720	21.43	24400	1.70						
	73	665	19.70	24000	1.85						
	83	590	17.49	23500	2.1						
	92	530	15.64*	22900	2.3						
	103	475	14.06	22400	2.6						
	118	415	12.21	21700	3.0						
	132	370	10.93	21200	3.3						
	35	1300	41.07	7580	0.85						
	40	1140	35.94	7760	0.95						
	45	1030	32.38	7860	1.05						
	51	910	28.41	7920	1.15						
	58	800	25.07	7940	1.25						
	65	715	22.22	7920	1.35						
	78	615	18.42	5960	1.15						
	83	580	17.45	6210	1.20						
	95	510	15.28	6490	1.40						
	105	460	13.76	6510	1.55						
	120	405	12.07	6490	1.75						
	136	360	10.65	6450	2.0						
	153	320	9.44	6380	2.3						
	179	270	8.06	6270	2.5						
	131	365	11.03	2960	0.95						
	144	330	10.03	3290	1.00						
	166	290	8.69	3700	1.15						
	191	250	7.56*	3850	1.15						
7.5	14	4120	105.71	32900	0.85						
	16	3520	89.60*	34100	0.90						
	18	3090	78.26	34800	1.00						
	20	3160	71.43	34700	1.05						
	22	2600	65.45	35500	1.10						
	24	2700	60.59	35400	1.20						
	26	2490	55.79	35600	1.30						
	29	2230	49.87	35900	1.50						
	32	2010	44.89	36100	1.65						
	36	1830	40.65	36300	1.80						
	40	1620	36.05	36100	2.0						
	44	1470	32.60	35400	2.2						
	55	1220	26.39	32000	2.1						
	61	1100	23.59	31300	2.4						
	68	990	21.23	30700	2.6						
	75	900	19.23	30100	2.9						
	33	1940	44.03	27800	0.80						
	37	1730	39.10	27400	0.90						
	41	1550	34.96*	26900	1.05						



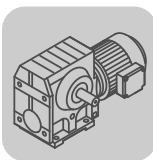
P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B					m [kg]	
7.5	46	1400	31.43	26500	1.15						
	53	1220	27.28	25900	1.30						
	57	1170	25.50*	23500	1.05						
	67	980	21.43	23000	1.25						
	73	900	19.70	22700	1.35	S	87	DRS	132M4	135	587
	83	800	17.49	22300	1.55	SF	87	DRS	132M4	160	588
	92	720	15.64*	21900	1.70	SA	87	DRS	132M4	135	589
	103	650	14.06	21500	1.90	SAF	87	DRS	132M4	150	588
	118	565	12.21	20900	2.2						
	132	505	10.93	20400	2.4						
	159	420	9.07	19600	2.7						
	183	365	7.88	19000	2.7						
	51	1240	28.41	6260	0.85	S	77	DRS	132M4	100	582
	58	1100	25.07	6460	0.90	SF	77	DRS	132M4	110	583
	65	980	22.22	6610	1.00	SA	77	DRS	132M4	100	584
	78	840	18.42	1940	0.85	SAF	77	DRS	132M4	105	583
	83	795	17.45	2370	0.90						
	95	695	15.28	3310	1.00						
	105	630	13.76	3940	1.10	S	77	DRS	132M4	100	582
	120	555	12.07	4610	1.30	SF	77	DRS	132M4	110	583
	136	490	10.65	5140	1.45	SA	77	DRS	132M4	100	584
	153	435	9.44	5550	1.65	SAF	77	DRS	132M4	105	583
	179	370	8.06	5560	1.80						
9.2	19	3740	78.26	33700	0.80	S	97	DRS	132MC4	200	592
	22	3150	65.45	34700	0.90	SF	97	DRS	132MC4	230	593
	26	3010	55.79	34900	1.10	SA	97	DRS	132MC4	190	594
						SAF	97	DRS	132MC4	220	593
	29	2700	49.87	35400	1.20						
	33	2440	44.89	35700	1.35						
	36	2210	40.65	35600	1.50						
	41	1970	36.05	34900	1.65						
	45	1780	32.60	34300	1.80						
	56	1480	26.39	30600	1.75	S	97	DRS	132MC4	200	592
	62	1330	23.59	30100	1.95	SF	97	DRS	132MC4	230	593
	69	1200	21.23	29600	2.2	SA	97	DRS	132MC4	190	594
	76	1080	19.23	29100	2.4	SAF	97	DRS	132MC4	220	593
	86	960	17.05	28400	2.7						
	95	870	15.42	27900	2.8						
	112	740	13.07	26900	3.1						
	128	650	11.41	26100	3.4						
	42	1880	34.96*	25500	0.85	S	87	DRS	132MC4	140	587
	47	1690	31.43	25200	0.95	SF	87	DRS	132MC4	160	588
	54	1470	27.28	24700	1.10	SA	87	DRS	132MC4	135	589
	60	1320	24.43	24300	1.20	SAF	87	DRS	132MC4	155	588
	72	1100	20.27	23600	1.45						
	74	1100	19.70	21500	1.15						
	84	970	17.49	21200	1.25						
	94	870	15.64*	20900	1.40	S	87	DRS	132MC4	140	587
	104	790	14.06	20600	1.55	SF	87	DRS	132MC4	160	588
	120	685	12.21	20100	1.80	SA	87	DRS	132MC4	135	589
	134	615	10.93	19700	2.0	SAF	87	DRS	132MC4	155	588
	162	510	9.07	19100	2.2						
	186	445	7.88	18500	2.3						
	77	1010	18.97	5790	0.90	S	77	DRS	132MC4	105	582
	106	760	13.76	1480	0.95	SF	77	DRS	132MC4	115	583
	121	670	12.07	2400	1.05	SA	77	DRS	132MC4	105	584
	138	590	10.65	3150	1.20	SAF	77	DRS	132MC4	110	583
	155	525	9.44	3760	1.35						
	182	450	8.06	4420	1.50						

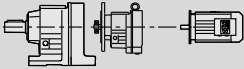


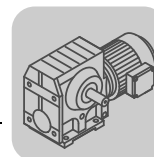
P _m [kW]	n _a [1/min]	M _a [Nm]	i	F _{Ra} ¹⁾ [N]	SEW f _B					m [kg]					
11.0	26	3620	55.79	33900	0.90	S	97	DRS	160M4	220	592				
	29	3240	49.87	34600	1.00										
	33	2930	44.89	34700	1.15										
	36	2660	40.65	34300	1.25										
	40	2360	36.05	33700	1.40										
	45	2140	32.60	33200	1.50										
	55	1780	26.39	29300	1.45										
	62	1590	23.59	28900	1.65										
	69	1440	21.23	28500	1.80										
	76	1300	19.23	28100	2.00										
	86	1160	17.05	27600	2.2										
	95	1050	15.42	27100	2.4										
	112	890	13.07	26300	2.6										
	128	780	11.41	25600	2.8										
	54	1770	27.28	23600	0.90	S	87	DRS	160M4	160	587				
	60	1590	24.43	23400	1.00	SF	87	DRS	160M4	180	588				
	72	1320	20.27	22800	1.20	SA	87	DRS	160M4	160	589				
						SAF	87	DRS	160M4	175	588				
	74	1310	19.70	20400	0.95	S	87	DRS	160M4	160	587				
	83	1170	17.49	20200	1.05										
	93	1050	15.64*	20000	1.20										
	104	940	14.06	19800	1.30										
	120	820	12.21	19400	1.50										
	134	735	10.93	19100	1.70										
	161	610	9.07	18500	1.85										
	185	535	7.88	18100	1.90										
15.0	33	3980	44.89	31400	0.85	S	97	DRS	160MC4	225	592				
	36	3610	40.65	31300	0.90										
	41	3210	36.05	31000	1.05										
	45	2910	32.60	30700	1.10	S	97	DRS	160MC4	225	592				
	56	2420	26.39	26400	1.05										
	62	2170	23.59	26300	1.20										
	69	1950	21.23	26200	1.35										
	76	1770	19.23	26000	1.45										
	86	1570	17.05	25700	1.65										
	95	1420	15.42	25400	1.75										
	112	1210	13.07	24800	1.90										
	128	1060	11.41	24300	2.1										
	153	880	9.55	23600	2.3										
	177	770	8.26	22900	2.3										
	94	1430	15.64*	16800	0.85	S	87	DRS	160MC4	165	587				
	104	1280	14.06	17900	0.95										
	120	1120	12.21	17800	1.10	SF	87	DRS	160MC4	185	588				
					1.10										
	134	1000	10.93	17600	1.25	SA	87	DRS	160MC4	165	587				
	162	830	9.07	17300	1.35	SF	87	DRS	160MC4	185	588				
	186	725	7.88	17000	1.40										
	18.5	40	3970	36.05	28700	0.85	S	97	DRS	180M4	270	592			
45	3600	32.60	28600	0.90											
53	3060	27.63	28400	1.00											
60	2680	24.13	28100	1.05											
69	2420	21.23	24100	1.05											
76	2190	19.23	24100	1.20											
86	1950	17.05	24000	1.30											
95	1760	15.42	23900	1.40											
112	1500	13.07	23500	1.55											
128	1310	11.41	23200	1.70											
153	1090	9.55	22600	1.85											
177	950	8.26	22100	1.85											
22	53	3640	27.63	26600	0.85	S	97	DRS	180L4	290	592				
	60	3190	24.13	26500	0.90	SF	97	DRS	180L4	320	593				
	69	2880	21.23	18400	0.90	SA	97	DRS	180L4	285	594				
	76	2610	19.23	20300	1.00	SAF	97	DRS	180L4	310	593				
	86	2320	17.05	22200	1.10										

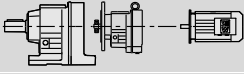


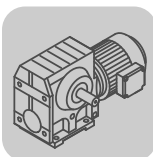
P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B					m [kg]	
22	95	2100	15.42	22400	1.20						
	112	1780	13.07	22300	1.30	S	97	DRS	180L4	290	592
	128	1560	11.41	22100	1.40	SF	97	DRS	180L4	320	593
	153	1300	9.55	21700	1.55	SA	97	DRS	180L4	285	594
	177	1130	8.26	21300	1.55	SAF	97	DRS	180L4	310	593


12.4 S..R..DRS [Nm]

$M_{a \max}$ [Nm]	n_a [1/min]	i	$F_{Ra}^{1)}$ [N]					m [kg]	
92	0.14	10037	3000						
	0.16	8654	3000						
	0.17	8066	3000						
	0.20	7051	3000						
	0.23	6079	3000						
	0.25	5431	3000						
	0.29	4747	3000						
	0.33	4155	3000						
	0.38	3632	3000	S	37R17	DR	63S4	14	597
	0.48	2866	3000	SF	37R17	DR	63S4	15	597
	0.56	2471	3000	SA	37R17	DR	63S4	14	597
	0.64	2160	3000	SAF	37R17	DR	63S4	15	597
	0.73	1887	3000						
	0.83	1665	3000						
	0.95	1456	3000						
	1.1	1271	3000						
	1.2	1121	3000						
	1.4	994	3000						
	1.6	869	3000						
	1.8	774	3000						
	2.1	666	3000						
	2.3	596	3000						
	2.6	521	3000	S	37R17	DR	63S4	14	597
	3.0	456	3000	SF	37R17	DR	63S4	15	597
	3.5	398	3000	SA	37R17	DR	63S4	13	597
	3.9	351	3000	SAF	37R17	DR	63S4	15	597
	4.6	303	3000						
	5.2	265	3000						
	6.0	232	3000						
	6.8	202	3000						
	7.4	179	3000	S	37R17	DR	63M4	14	597
	8.3	158	3000	SF	37R17	DR	63M4	15	597
	9.1	144	3000	SA	37R17	DR	63M4	13	597
	11	118	3000	SAF	37R17	DR	63M4	15	597
	12	110	3000						
185	0.11	12909	5250						
	0.12	11189	5250						
	0.13	10374	5250						
	0.15	8992	5250						
	0.18	7860	5250						
	0.20	6887	5250						
	0.23	6055	5250						
	0.26	5292	5250						
	0.30	4637	5250	S	47R17	DR	63S4	17	597
	0.34	4092	5250	SF	47R17	DR	63S4	20	597
	0.39	3582	5200	SA	47R17	DR	63S4	18	597
	0.44	3131	5200	SAF	47R17	DR	63S4	20	597
	0.51	2714	5200						
	0.57	2412	5200						
	0.65	2131	5200						
	0.74	1863	5200						
	0.83	1663	5200						
	0.96	1435	5200						
	1.1	1254	5200						
	1.2	1120	5200						
	1.3	1083	5200						
	1.4	965	5200						
	1.6	865	5200						
	1.8	750	5200	S	47R17	DR	63S4	17	597
	2.1	655	5200	SF	47R17	DR	63S4	20	597
	2.4	574	5200	SA	47R17	DR	63S4	18	597
	2.7	506	5200	SAF	47R17	DR	63S4	19	597
	3.2	438	5200						
	3.6	388	5200						
	3.9	336	5200	S	47R17	DR	63M4	17	597
	4.5	294	5200	SF	47R17	DR	63M4	20	597
				SA	47R17	DR	63M4	18	597
				SAF	47R17	DR	63M4	19	597

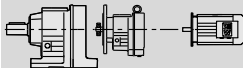


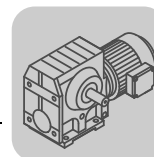
$M_{a\ max}$ [Nm]	n_a [1/min]	i	$F_{Ra}^{1)}$ [N]					m [kg]	
185	5.0	257	5260	S	47R17	DR	63L4	17	597
				SF	47R17	DR	63L4	21	597
				SA	47R17	DR	63L4	18	597
				SAF	47R17	DR	63L4	20	597
	5.8	229	5200	S	47R17	DR	63M4	17	597
				SF	47R17	DR	63M4	20	597
				SA	47R17	DR	63M4	18	597
				SAF	47R17	DR	63M4	19	597
	6.5 6.9 7.9	200 187 165	5200 5200 5200	S	47R17	DR	63L4	17	597
				SF	47R17	DR	63L4	21	597
				SA	47R17	DR	63L4	18	597
				SAF	47R17	DR	63L4	20	597
	9.4 11	148 131	5200 5200	S	47R17	DRS	71S4	19	597
				SF	47R17	DRS	71S4	23	597
				SA	47R17	DRS	71S4	20	597
				SAF	47R17	DRS	71S4	22	597
330	0.11	12909	6800	S SF SA SAF	57R17	DR	63S4	21	597
	0.12	11189	6800						
	0.13	10374	6800						
	0.15	8992	6800						
	0.18	7860	6800						
	0.20	6887	6800						
	0.23	6055	6800						
	0.26	5292	6800						
	0.30	4637	6800						
	0.34	4092	6800						
	0.38	3628	6800						
300	0.44	3131	7080	S SF SA SAF	57R17	DR	63S4	21	597
	0.51	2714	7080						
	0.57	2412	7080						
	0.65	2131	7080						
	0.74	1863	7080						
	0.83	1663	7080						
	0.96	1435	7080						
	1.1	1254	7080						
	1.3	1083	7080						
	1.4	965	7080	S	57R17	DR	63S4	20	597
	1.6	865	7080	SF	57R17	DR	63S4	24	597
	1.8	750	7080	SA	57R17	DR	63S4	20	597
	2.1	655	7080	SAF	57R17	DR	63S4	23	597
	2.3	574	7080	S	57R17	DR	63M4	20	597
	2.6	506	7080	SF	57R17	DR	63M4	24	597
	3.0	438	7080	SA	57R17	DR	63M4	20	597
	3.4	388	7080	SAF	57R17	DR	63M4	23	597
	3.9	336	7080	S	57R17	DR	63L4	21	597
	4.4	294	7080	SF	57R17	DR	63L4	25	597
	4.8	269	7080	SA	57R17	DR	63L4	21	597
				SAF	57R17	DR	63L4	24	597
	6.0	229	7080	S	57R17	DRS	71S4	23	597
	6.8	204	7080	SF	57R17	DRS	71S4	27	597
	7.4	187	7080	SA	57R17	DRS	71S4	23	597
				SAF	57R17	DRS	71S4	25	597
	8.4	165	7080	S	57R17	DRS	71M4	24	597
				SF	57R17	DRS	71M4	28	597
	11	131	7080	SA	57R17	DRS	71M4	24	597
				SAF	57R17	DRS	71M4	27	597

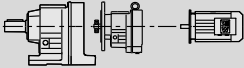


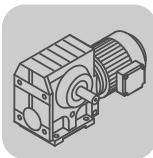
S..DRS

S..R..DRS [Nm]

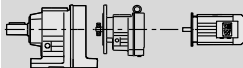
$M_{a \max}$ [Nm]	n_a [1/min]	i	$F_{Ra}^{1)}$ [N]					m [kg]		
570	0.06	21362	8190							
	0.07	19594	8190							
	0.08	18120	8190							
	0.08	16682	8190							
	0.10	14383	8190							
	0.11	12774	8190							
	0.13	11013	8190							
	0.14	9694	8190							
	0.16	8529	8190							
	0.19	7455	8190							
	0.21	6531	8190	S	67R37	DR	63S4	39	597	
	0.24	5759	8190	SF	67R37	DR	63S4	46	597	
	0.28	4965	8190	SA	67R37	DR	63S4	40	597	
	0.31	4410	8190	SAF	67R37	DR	63S4	45	597	
	0.36	3880	8190							
	0.40	3432	8190							
	0.47	2944	8190							
	0.52	2630	8190							
	0.61	2279	8190							
	0.69	2014	8190							
	0.78	1772	8190							
	0.88	1559	8190							
	1.0	1363	8190							
	1.2	1194	8190							
		1.3	1045	8190	S	67R37	DR	63M4	39	597
		1.4	914	8190	SF	67R37	DR	63M4	46	597
				SA	67R37	DR	63M4	40	597	
				SAF	67R37	DR	63M4	45	597	
		1.6	809	8190	S	67R37	DR	63M4	39	597
		1.9	712	8190	SF	67R37	DR	63M4	46	597
				SA	67R37	DR	63M4	40	597	
				SAF	67R37	DR	63M4	45	597	
		2.1	615	8190	S	67R37	DR	63L4	40	597
		2.4	543	8190	SF	67R37	DR	63L4	46	597
				SA	67R37	DR	63L4	41	597	
				SAF	67R37	DR	63L4	45	597	
		2.9	469	8190	S	67R37	DRS	71S4	42	597
		3.3	424	8190	SF	67R37	DRS	71S4	48	597
		3.8	365	8190	SA	67R37	DRS	71S4	43	597
				SAF	67R37	DRS	71S4	47	597	
		4.3	319	8190	S	67R37	DRS	71M4	43	597
		4.9	281	8190	SF	67R37	DRS	71M4	49	597
		5.6	246	8190	SA	67R37	DRS	71M4	44	597
		6.2	221	8190	SAF	67R37	DRS	71M4	48	597
		7.1	198	8190	S	67R37	DRS	80S4	45	597
				SF	67R37	DRS	80S4	52	597	
				SA	67R37	DRS	80S4	46	597	
				SAF	67R37	DRS	80S4	51	597	
1270	0.05	25493	11700							
	0.06	21787	11700							
	0.07	19907	11700							
	0.08	17013	11700							
	0.09	14668	11700							
	0.11	13110	11700							
	0.12	11569	11700							
	0.14	9887	11700	S	77R37	DR	63S4	59	597	
	0.16	8817	11700	SF	77R37	DR	63S4	68	597	
	0.18	7735	11700	SA	77R37	DR	63S4	58	597	
	0.20	6735	11700	SAF	77R37	DR	63S4	65	597	
	0.23	5943	11700							
	0.26	5214	11700							
	0.30	4618	11700							
	0.35	3992	11700							
	0.39	3540	11700							
		0.43	3098	11700	S	77R37	DR	63M4	59	597
				SF	77R37	DR	63M4	68	597	
				SA	77R37	DR	63M4	58	597	
				SAF	77R37	DR	63M4	65	597	



$M_{a \max}$ [Nm]	n_a [1/min]	i	$F_{Ra}^{1)}$ [N]					m [kg]	
1240	0.50 0.58	2753	12000	S	77R37	DR	63S4	59	597
		2374	12000	SF	77R37	DR	63S4	68	597
				SA	77R37	DR	63S4	58	597
				SAF	77R37	DR	63S4	65	597
	0.63 0.73 0.76 0.82 0.94	2083	12000	S	77R37	DR	63M4	59	597
		1813	12000	SF	77R37	DR	63M4	68	597
		1745	12000	SA	77R37	DR	63M4	58	597
		1600	12000	SAF	77R37	DR	63M4	65	597
		1404	12000						
	1.0	1245	12000	S	77R37	DR	63L4	59	597
				SF	77R37	DR	63L4	69	597
				SA	77R37	DR	63L4	59	597
				SAF	77R37	DR	63L4	65	597
	1.2 1.4	1100	12000	S	77R37	DR	63L4	59	597
		954	12000	SF	77R37	DR	63L4	69	597
				SA	77R37	DR	63L4	59	597
	1.6 1.9	837	12000	S	77R37	DRS	71S4	61	597
		714	12000	SF	77R37	DRS	71S4	71	597
				SA	77R37	DRS	71S4	61	597
				SAF	77R37	DRS	71S4	67	597
	2.2 2.4 2.8	637	12000	S	77R37	DRS	71M4	62	597
		574	12000	SF	77R37	DRS	71M4	72	597
		499	12000	SA	77R37	DRS	71M4	62	597
				SAF	77R37	DRS	71M4	68	597
	3.2 3.6	438	12000	S	77R37	DRS	80S4	64	597
		389	12000	SF	77R37	DRS	80S4	74	597
				SA	77R37	DRS	80S4	64	597
				SAF	77R37	DRS	80S4	71	597
	4.3 4.9 5.6 6.4	327	12000	S	77R37	DRS	80M4	67	597
		289	12000	SF	77R37	DRS	80M4	77	597
		250	12000	SA	77R37	DRS	80M4	67	597
		219	12000	SAF	77R37	DRS	80M4	73	597
2500	0.05 0.06 0.07 0.08 0.08 0.09 0.10 0.12 0.14 0.16 0.18 0.21	25987	27500	S SF SA SAF	87R57	DR	63S4	110	597
		23940	27500						
		20568	27500						
		18265	27500						
		16774	27500						
		14820	27500						
		13160	27500						
		11200	27500						
		9904	27500						
		8549	27500						
		7643	27500						
		6706	27500						
	0.22 0.25 0.29 0.34	5875	27500	S	87R57	DR	63M4	110	597
		5187	27500	SF	87R57	DR	63M4	130	597
		4606	27500	SA	87R57	DR	63M4	105	597
		3872	27500	SAF	87R57	DR	63M4	120	597
	0.37 0.45 0.50	3475	27500	S	87R57	DR	63L4	110	597
		2905	27500	SF	87R57	DR	63L4	130	597
		2586	27500	SA	87R57	DR	63L4	105	597
				SAF	87R57	DR	63L4	120	597
	0.59 0.67 0.76	2335	27500	S	87R57	DRS	71S4	110	597
		2054	27500	SF	87R57	DRS	71S4	130	597
		1824	27500	SA	87R57	DRS	71S4	105	597
				SAF	87R57	DRS	71S4	125	597
	0.85 1.0 1.2	1631	27500	S	87R57	DRS	71M4	110	597
		1332	27500	SF	87R57	DRS	71M4	130	597
		1191	27500	SA	87R57	DRS	71M4	110	597
				SAF	87R57	DRS	71M4	125	597
	1.4 1.5 1.7	1032	27500	S	87R57	DRS	80S4	115	597
		930	27500	SF	87R57	DRS	80S4	135	597
		831	27500	SA	87R57	DRS	80S4	110	597
				SAF	87R57	DRS	80S4	125	597



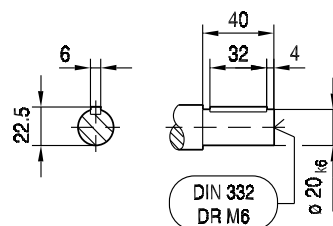
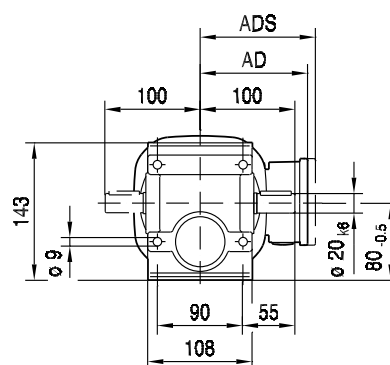
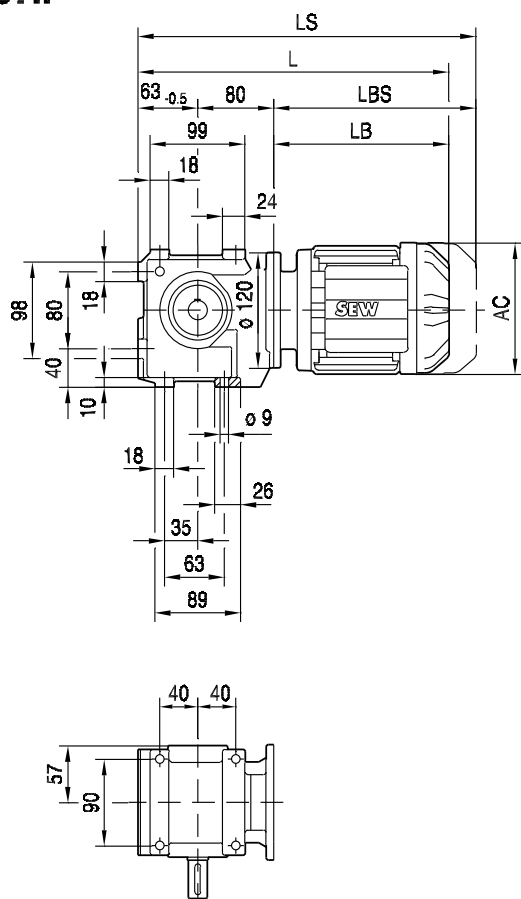
S..DRS S..R..DRS [Nm]

M _a max [Nm]	n _a [1/min]	i	F _{Ra} ¹⁾ [N]					m [kg]		
2500	2.0 2.3 2.5	719	27500	S	87R57	DRS	80M4	115	597	
		624	27500	SF	87R57	DRS	80M4	135	597	
		558	27500	SA	87R57	DRS	80M4	115	597	
				SAF	87R57	DRS	80M4	130	597	
	2.9	485	27500	S	87R57	DRS	90M4	120	597	
				SF	87R57	DRS	90M4	140	597	
				SA	87R57	DRS	90M4	120	597	
				SAF	87R57	DRS	90M4	135	597	
	2450	3.2	435	27600	S	87R57	DRS	90M4	120	597
		3.7	378	27600	SF	87R57	DRS	90M4	140	597
			SA	87R57	DRS	90M4	120	597		
			SAF	87R57	DRS	90M4	135	597		
2400	4.3	323	27700	S	87R57	DRS	90L4	125	597	
	5.0	281	27700	SF	87R57	DRS	90L4	145	597	
			SA	87R57	DRS	90L4	120	597		
			SAF	87R57	DRS	90L4	135	597		
4200	0.04	33818	32800	S SF SA SAF	97R57	DR	63S4	170	597	
	0.04	31154	32800					200	597	
	0.05	27847	32800					160	597	
	0.06	24641	32800					190	597	
	0.06	21537	32800							
	0.07	18749	32800							
	0.09	16233	32800							
	0.09	14576	32800							
	0.11	12752	32800							
	0.12	11267	32800							
	0.14	10078	32800							
	0.15	8608	32800	S	97R57	DR	63M4	170	597	
	0.17	7554	32800	SF	97R57	DR	63M4	200	597	
	0.20	6640	31300	SA	97R57	DR	63M4	160	597	
	0.23	5780	31300	SAF	97R57	DR	63M4	190	597	
	0.27	4937	31300							
	0.29	4444	31300	S	97R57	DR	63L4	170	597	
	0.32	4017	31300	SF	97R57	DR	63L4	200	597	
	0.38	3453	31300	SA	97R57	DR	63L4	165	597	
	0.42	3108	31300	SAF	97R57	DR	63L4	190	597	
	0.52	2654	31300	S	97R57	DRS	71S4	170	597	
	0.59	2329	31300	SF	97R57	DRS	71S4	205	597	
				SA	97R57	DRS	71S4	165	597	
				SAF	97R57	DRS	71S4	190	597	
	0.66	2081	31300	S	97R57	DRS	71M4	170	597	
	0.74	1860	31300	SF	97R57	DRS	71M4	205	597	
	0.88	1574	31300	SA	97R57	DRS	71M4	165	597	
				SAF	97R57	DRS	71M4	190	597	
	1.0	1394	31300	S	97R57	DRS	80S4	175	597	
	1.1	1223	31300	SF	97R57	DRS	80S4	205	597	
	1.3	1070	31300	SA	97R57	DRS	80S4	165	597	
				SAF	97R57	DRS	80S4	195	597	
	1.5	928	31300	S	97R57	DRS	80M4	175	597	
	1.7	824	31300	SF	97R57	DRS	80M4	210	597	
				SA	97R57	DRS	80M4	170	597	
				SAF	97R57	DRS	80M4	195	597	
	2.0	714	32800	S	97R57	DRS	90M4	180	597	
	2.2	626	31300	SF	97R57	DRS	90M4	215	597	
	2.6	538	31300	SA	97R57	DRS	90M4	175	597	
				SAF	97R57	DRS	90M4	200	597	
	2.9	484	31400	S	97R57	DRS	90L4	185	597	
	3.3	420	31400	SF	97R57	DRS	90L4	215	597	
	3.7	376	31400	SA	97R57	DRS	90L4	180	597	
				SAF	97R57	DRS	90L4	205	597	
	4.3	327	31500	S	97R57	DRS	100M4	190	597	
	4.9	287	31500	SF	97R57	DRS	100M4	220	597	
				SA	97R57	DRS	100M4	180	597	
				SAF	97R57	DRS	100M4	210	597	
	5.7	252	31500	S	97R57	DRS	100LC4	195	597	
	6.6	219	31600	SF	97R57	DRS	100LC4	225	597	
				SA	97R57	DRS	100LC4	185	597	
				SAF	97R57	DRS	100LC4	215	597	

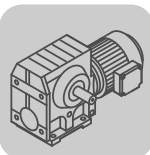
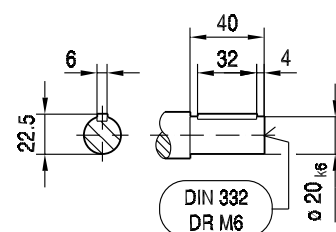
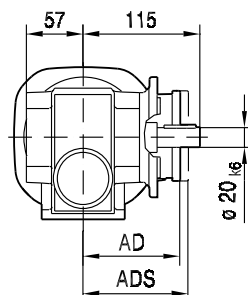
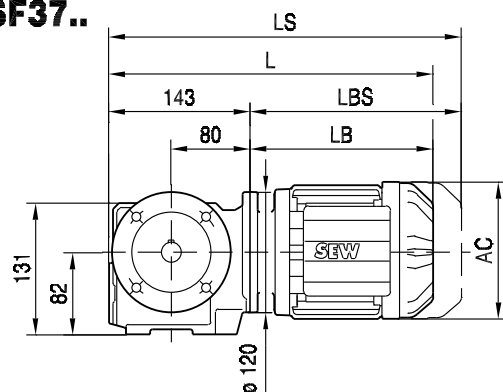
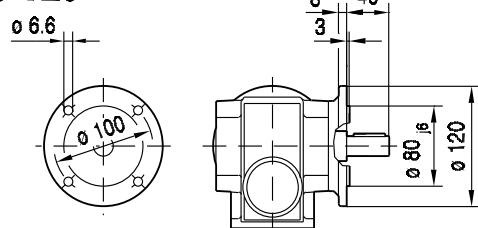
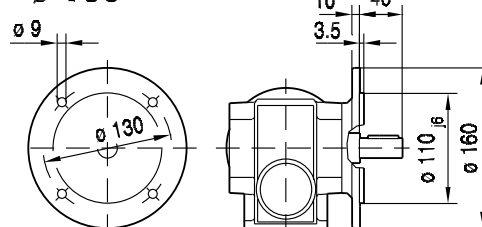
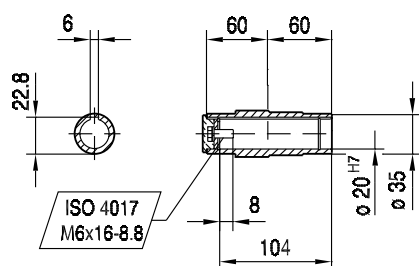
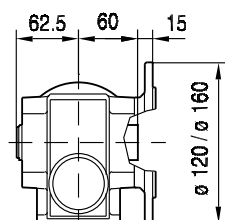
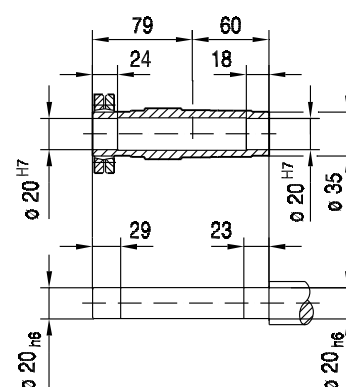
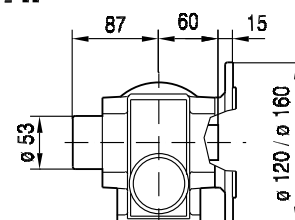
12.5 S..DRS [mm]

02 046 00 06

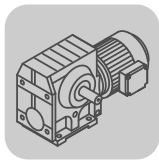
\$37..



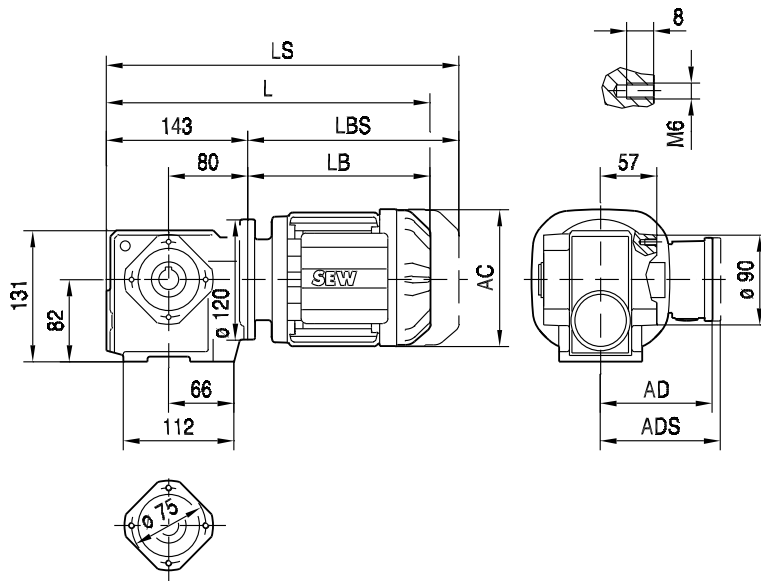
(→  131)	DR63..	DR71S	DR71M	DR80S	DR80M		
AC	132	139	139	156	156		
AD	105	119	119	128	128		
ADS	105	129	129	139	139		
L	334	346	371	380	411		
LS	389	414	439	461	492		
LB	191	203	228	237	268		
LBS	246	271	296	318	349		

02 047 00 06^L**SF37..****ø 120****ø 160****SAF37..****SHF37..**

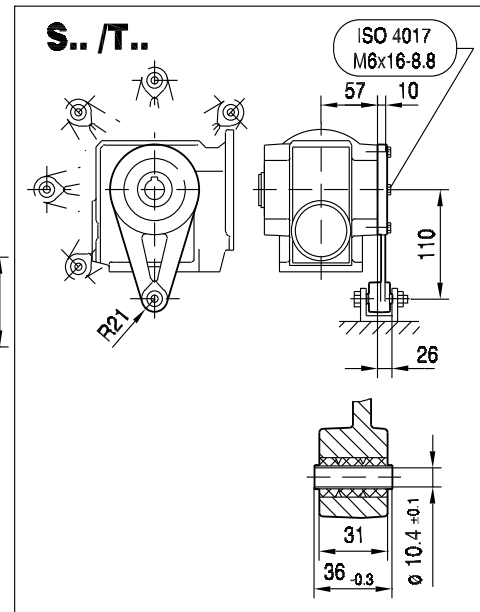
(→ 131)	DR63..	DR71S	DR71M	DR80S	DR80M			
AC	132	139	139	156	156			
AD	105	119	119	128	128			
ADS	105	129	129	139	139			
L	334	346	371	380	411			
LS	389	414	439	461	492			
LB	191	203	228	237	268			
LBS	246	271	296	318	349			



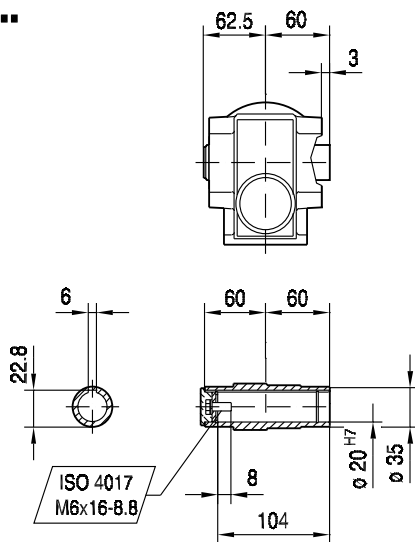
SA37..



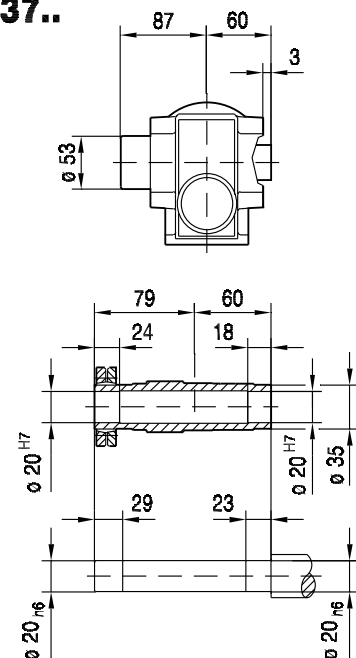
02 048 00 06



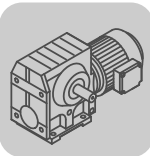
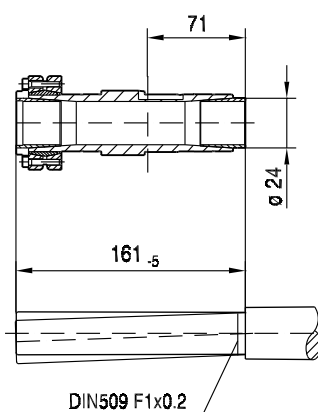
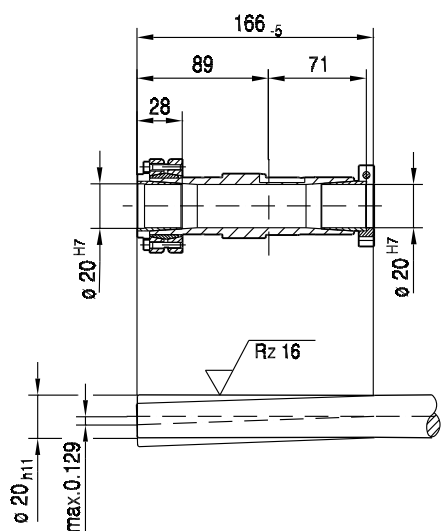
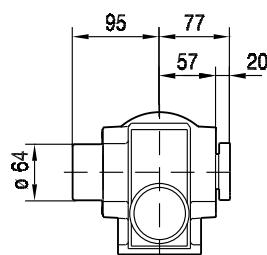
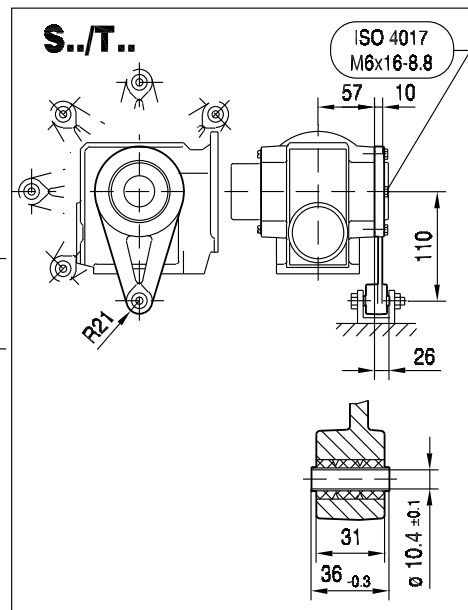
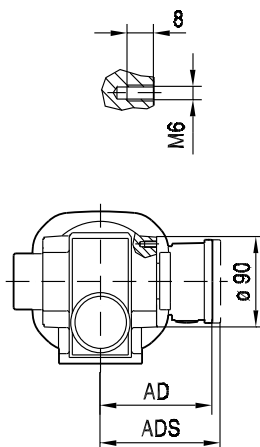
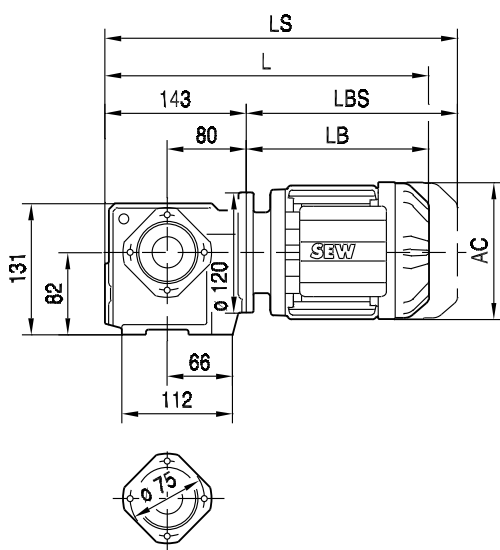
SA37..



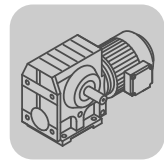
SH37..



(→ 131)	DR63..	DR71S	DR71M	DR80S	DR80M			
AC	132	139	139	156	156			
AD	105	119	119	128	128			
ADS	105	129	129	139	139			
L	334	346	371	380	411			
LS	389	414	439	461	492			
LB	191	203	228	237	268			
LBS	246	271	296	318	349			

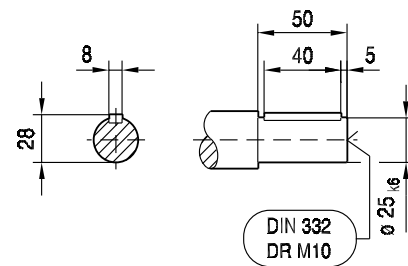
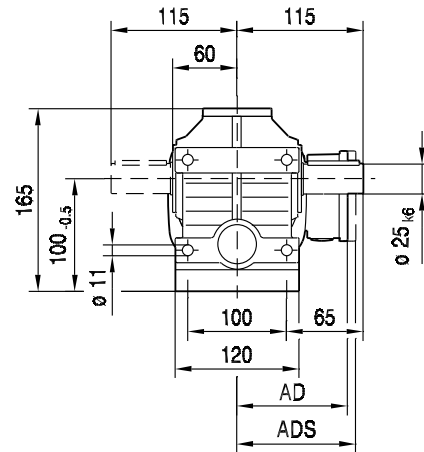
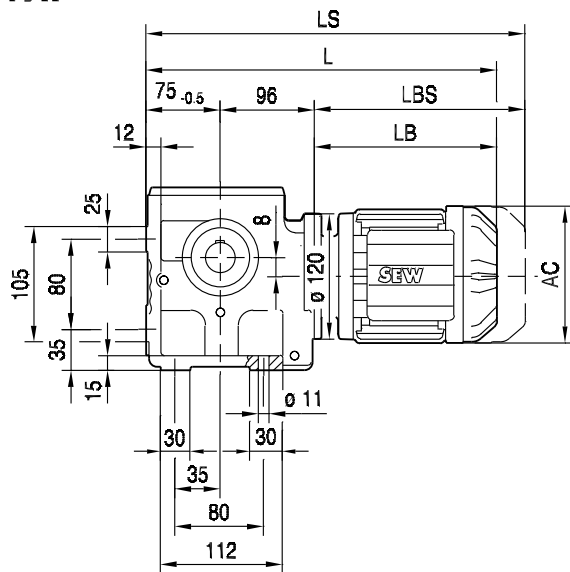
02 049 00 06^L**ST37..**

(→ 131)	DR63..	DR71S	DR71M	DR80S	DR80M			
AC	132	139	139	156	156			
AD	105	119	119	128	128			
ADS	105	129	129	139	139			
L	334	346	371	380	411			
LS	389	414	439	461	492			
LB	191	203	228	237	268			
LBS	246	271	296	318	349			



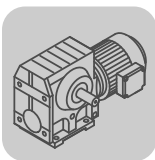
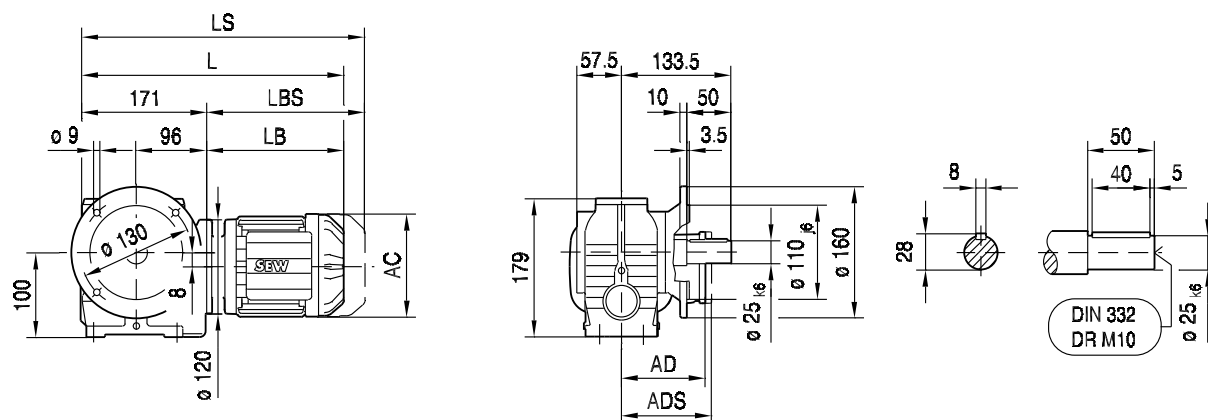
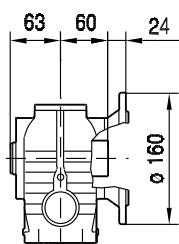
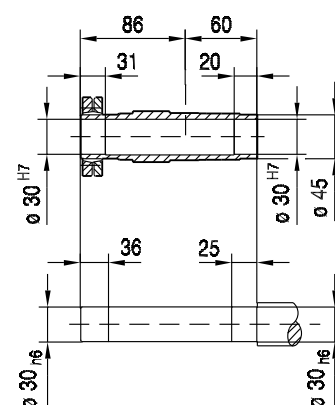
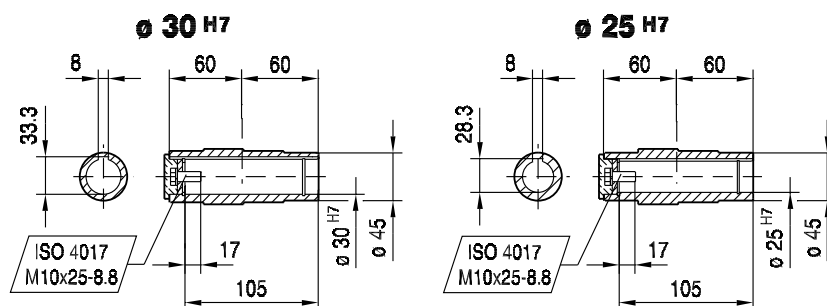
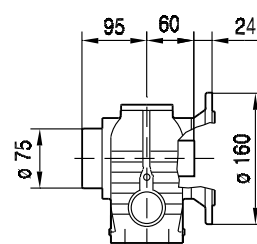
02 050 00 06^L

S47..

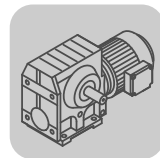


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(→ 131)	DR63..	DR71S	DR71M	DR80S	DR80M	DR90M		
AC	132	139	139	156	156	179		
AD	105	119	119	128	128	140		
ADS	105	129	129	139	139	150		
L	362	374	399	408	439	443		
LS	417	442	467	489	520	536		
LB	191	203	228	237	268	272		
LBS	246	271	296	318	349	365		

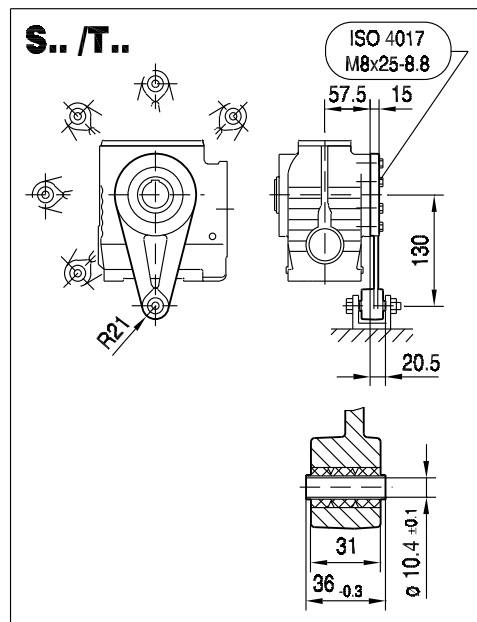
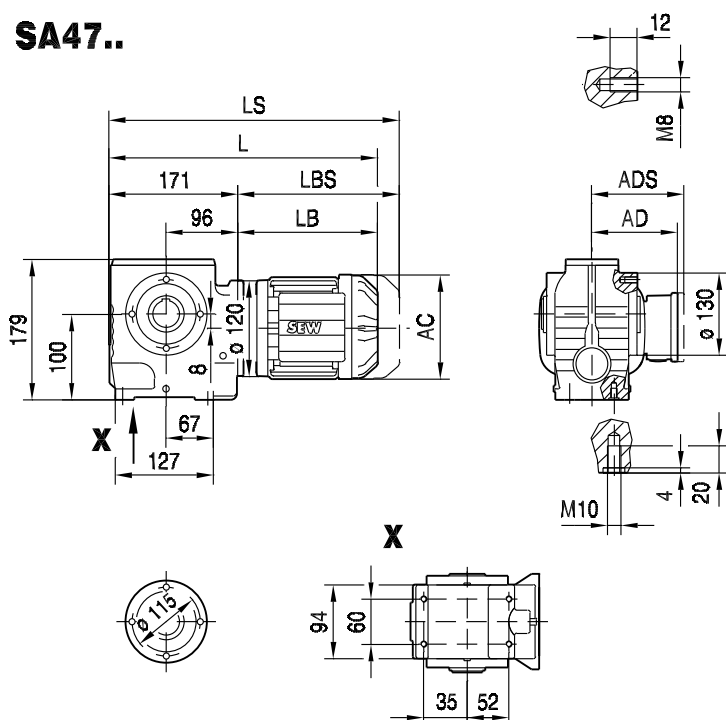
02 051 00 06^L**SF47..****SAF47..****SHF47..**

(→ 131)	DR63..	DR71S	DR71M	DR80S	DR80M	DR90M		
AC	132	139	139	156	156	179		
AD	105	119	119	128	128	140		
ADS	105	129	129	139	139	150		
L	362	374	399	408	439	443		
LS	417	442	467	489	520	536		
LB	191	203	228	237	268	272		
LBS	246	271	296	318	349	365		

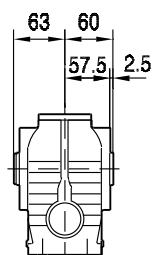


02 052 00 06

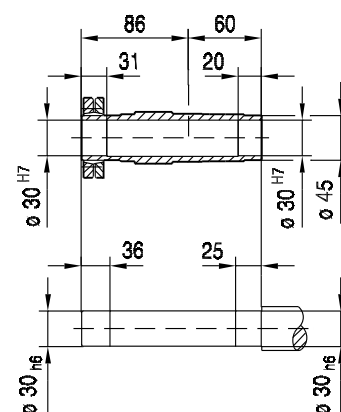
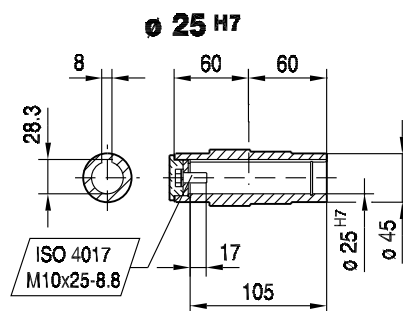
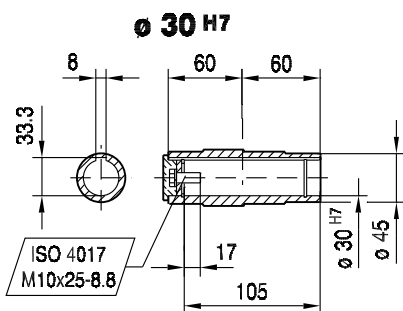
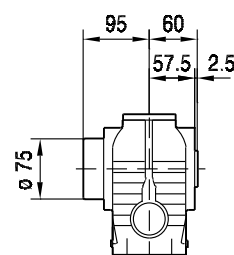
SA47..



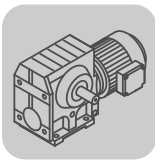
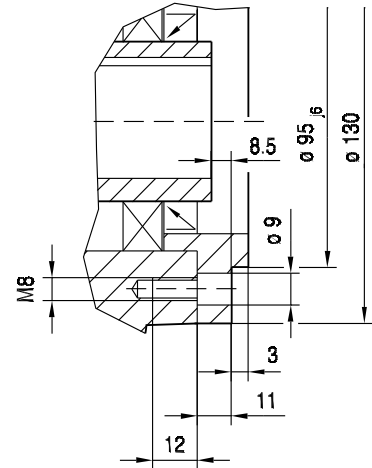
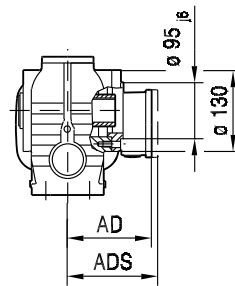
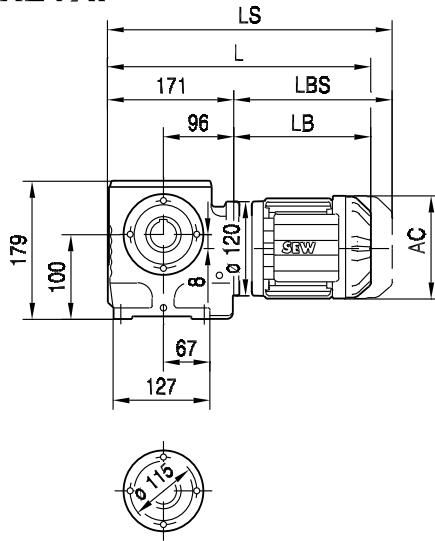
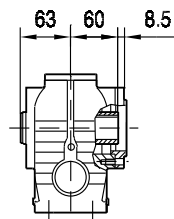
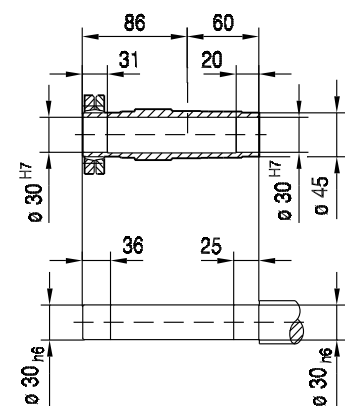
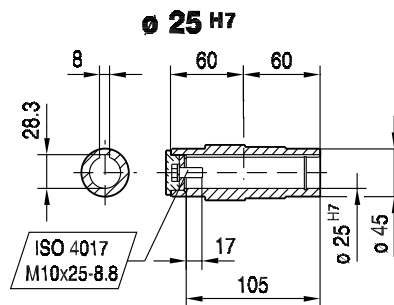
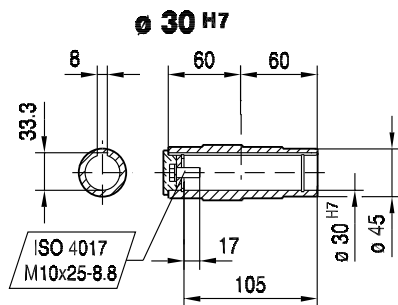
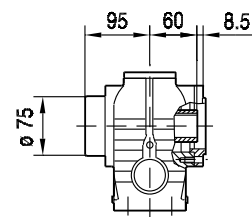
SA47..



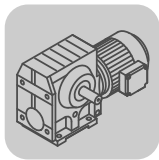
SH47..



(→ 131)	DR63..	DR71S	DR71M	DR80S	DR80M	DR90M		
AC	132	139	139	156	156	179		
AD	105	119	119	128	128	140		
ADS	105	129	129	139	139	150		
L	362	374	399	408	439	443		
LS	417	442	467	489	520	536		
LB	191	203	228	237	268	272		
LBS	246	271	296	318	349	365		

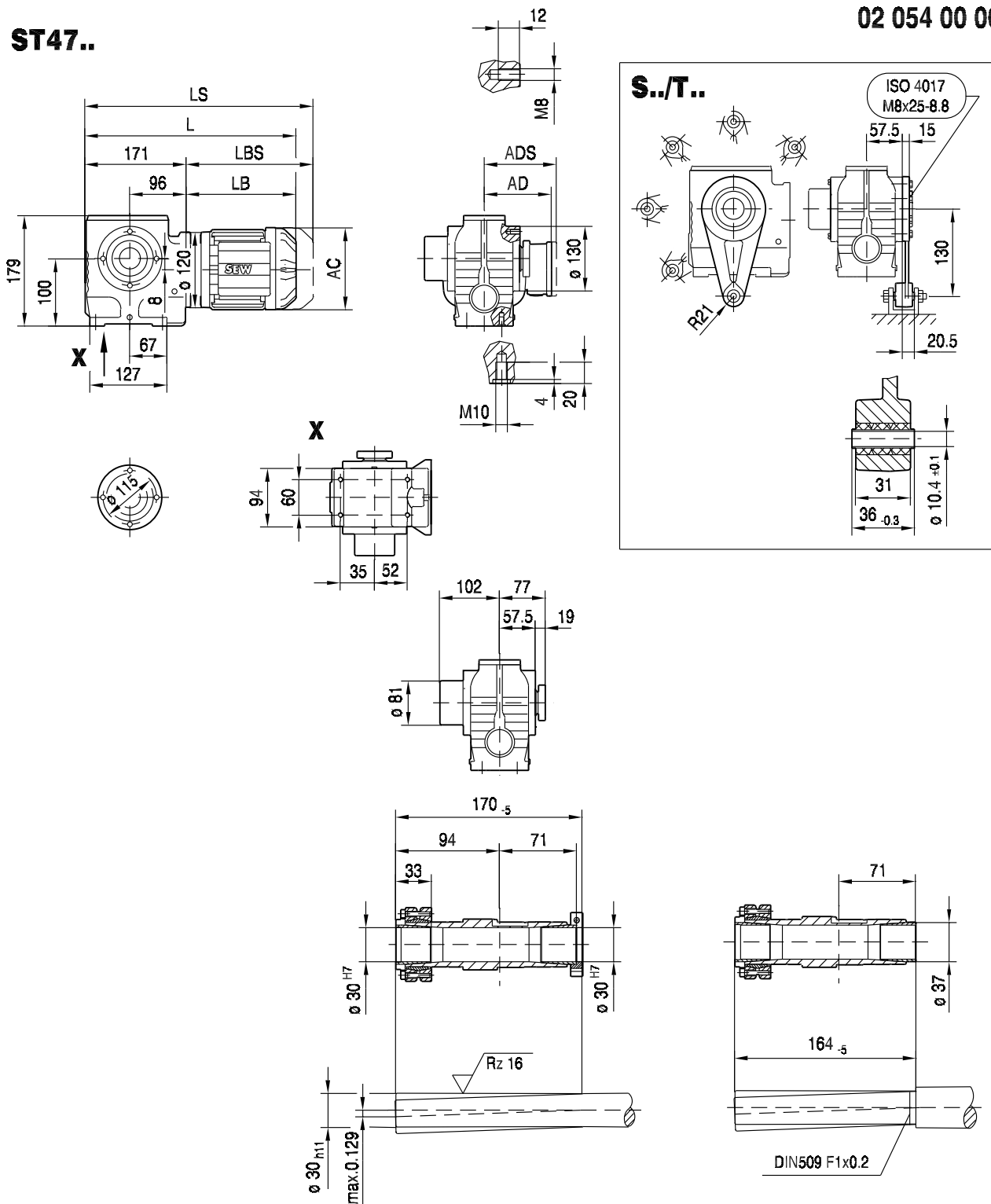
02 053 00 06 ^L**SAZ47..****SAZ47..****SHZ47..**

(→ 131)	DR63..	DR71S	DR71M	DR80S	DR80M	DR90M		
AC	132	139	139	156	156	179		
AD	105	119	119	128	128	140		
ADS	105	129	129	139	139	150		
L	362	374	399	408	439	443		
LS	417	442	467	489	520	536		
LB	191	203	228	237	268	272		
LBS	246	271	296	318	349	365		

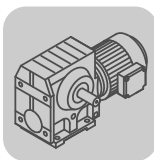
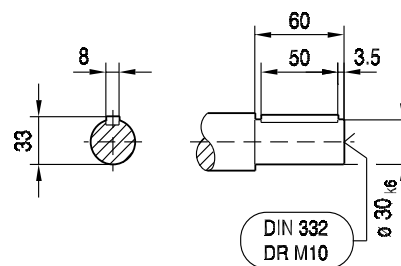
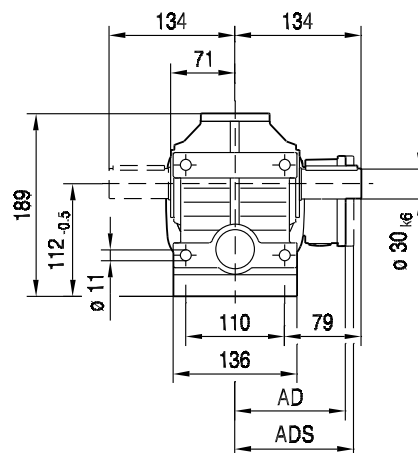
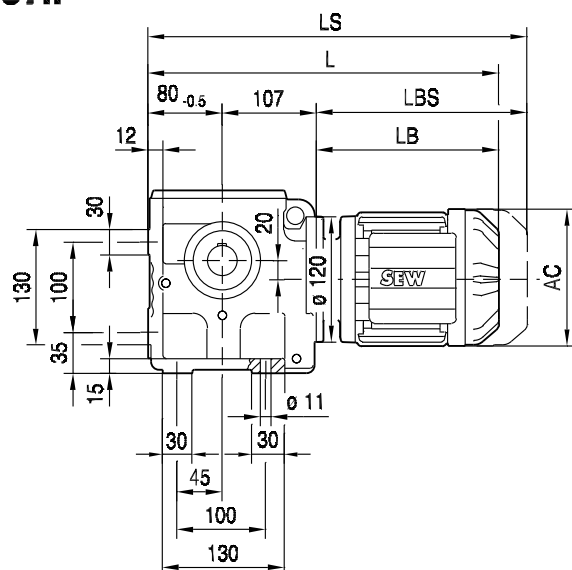


ST47..

02 054 00 06

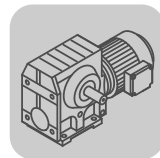


(→ 131)	DR63..	DR71S	DR71M	DR80S	DR80M	DR90M		
AC	132	139	139	156	156	179		
AD	105	119	119	128	128	140		
ADS	105	129	129	139	139	150		
L	362	374	399	408	439	443		
LS	417	442	467	489	520	536		
LB	191	203	228	237	268	272		
LBS	246	271	296	318	349	365		

02 055 00 06^L**S57..**

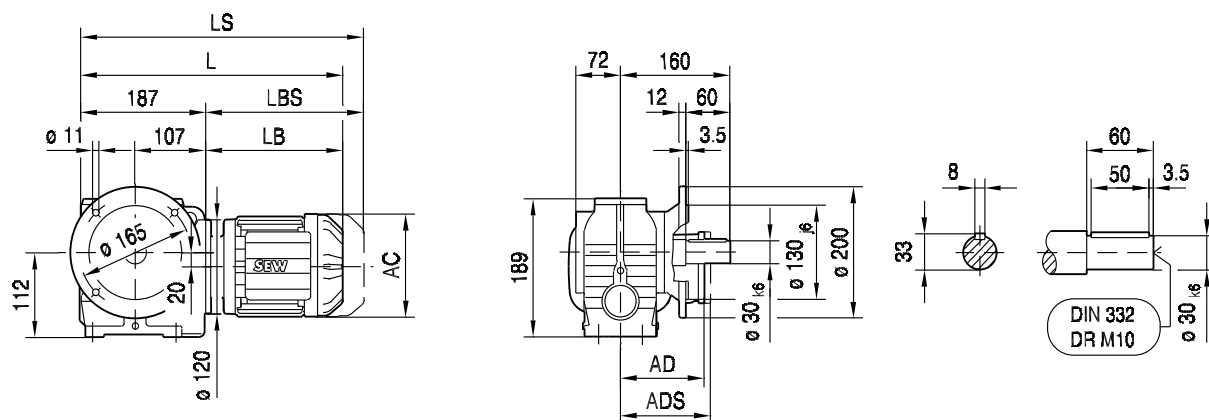
7

(→ 131)	DR63..	DR71S	DR71M	DR80S	DR80M	DR90M	DR90L	DR100M
AC	132	139	139	156	156	179	179	197
AD	105	119	119	128	128	140	140	157
ADS	105	129	129	139	139	150	150	158
L	378	390	415	424	455	459	479	509
LS	433	458	483	505	536	552	572	602
LB	191	203	228	237	268	272	292	322
LBS	246	271	296	318	349	365	385	415

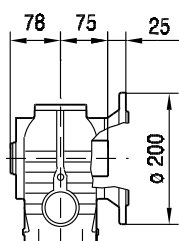


02 056 00 06^L

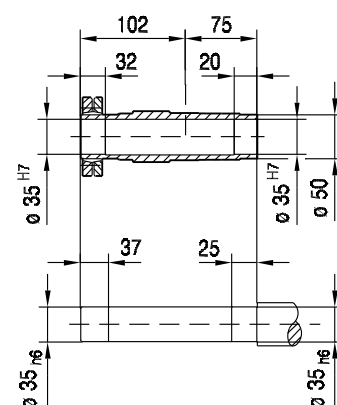
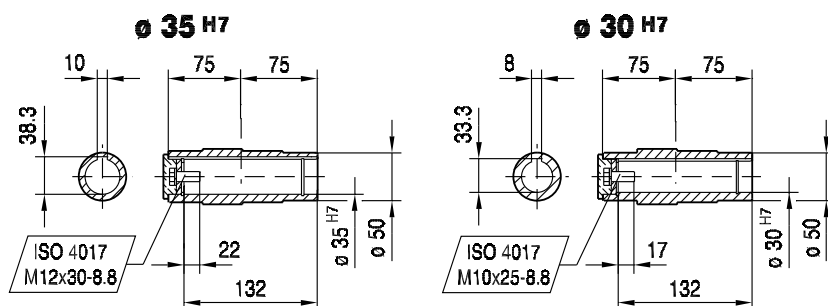
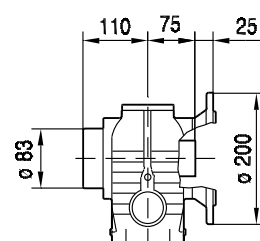
SF57..



SAF57..

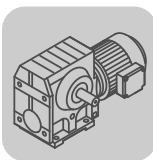


SHF57..

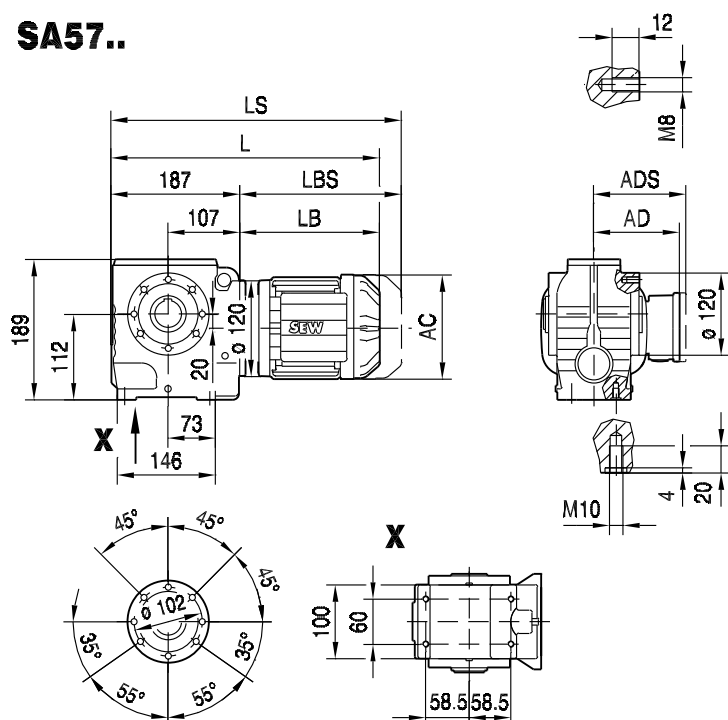
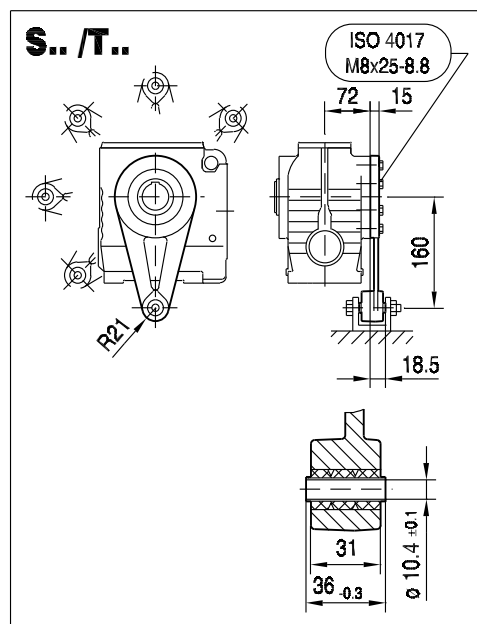
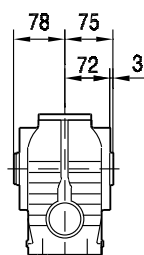
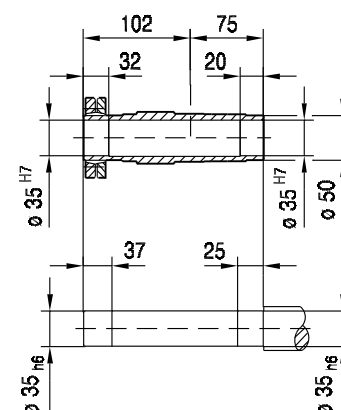
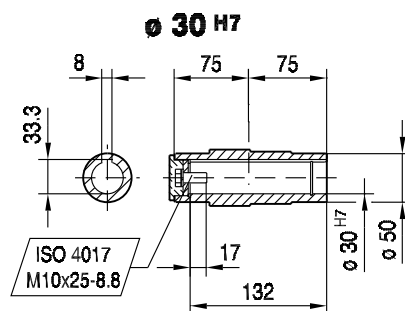
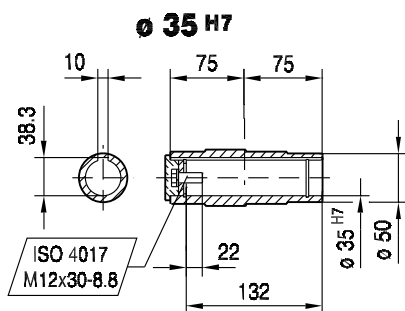
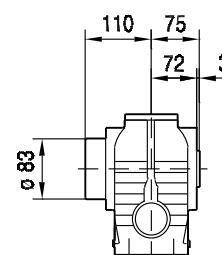


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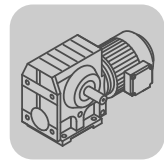
(→ 131)	DR63..	DR71S	DR71M	DR80S	DR80M	DR90M	DR90L	DR100M
AC	132	139	139	156	156	179	179	197
AD	105	119	119	128	128	140	140	157
ADS	105	129	129	139	139	150	150	158
L	378	390	415	424	455	459	479	509
LS	433	458	483	505	536	552	572	602
LB	191	203	228	237	268	272	292	322
LBS	246	271	296	318	349	365	385	415



02 057 00 06

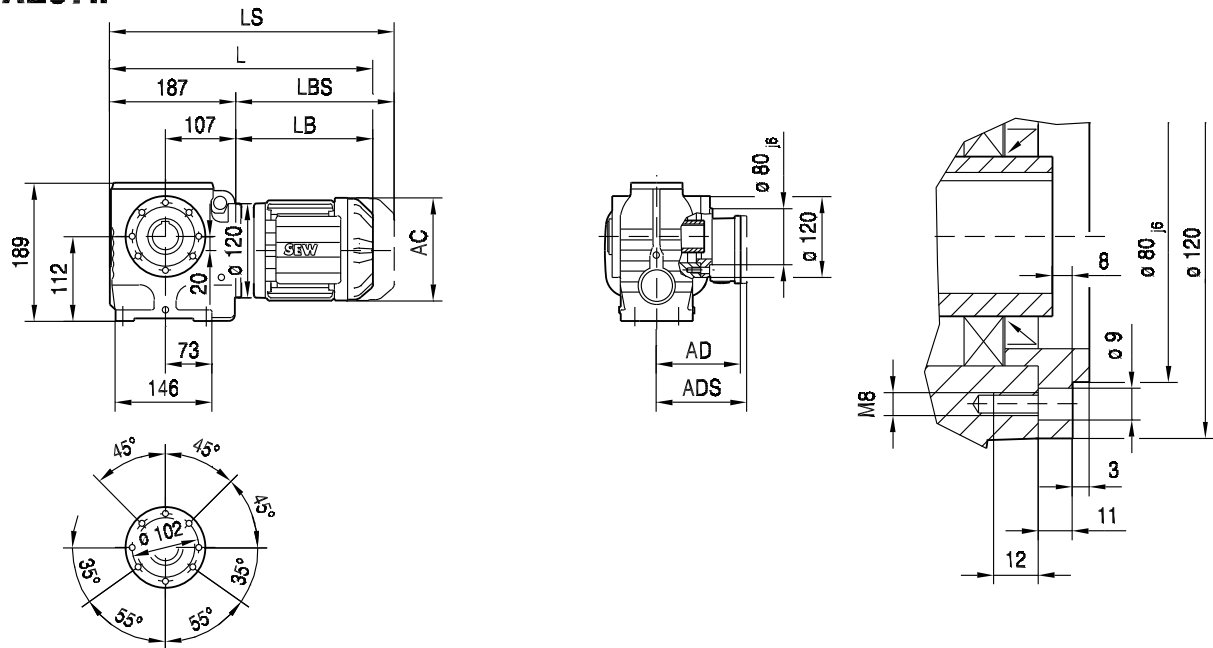
SA57..**S../T..****SA57..****SH57..**

(→ 131)	DR63..	DR71S	DR71M	DR80S	DR80M	DR90M	DR90L	DR100M
AC	132	139	139	156	156	179	179	197
AD	105	119	119	128	128	140	140	157
ADS	105	129	129	139	139	150	150	158
L	378	390	415	424	455	459	479	509
LS	433	458	483	505	536	552	572	602
LB	191	203	228	237	268	272	292	322
LBS	246	271	296	318	349	365	385	415

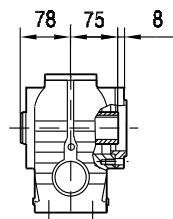


02 058 00 06^L

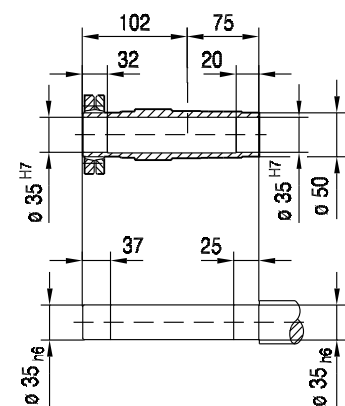
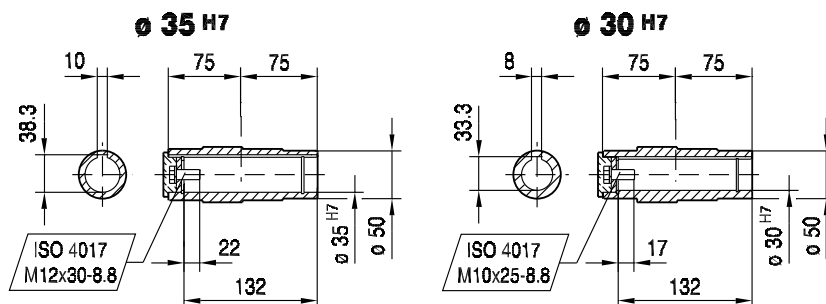
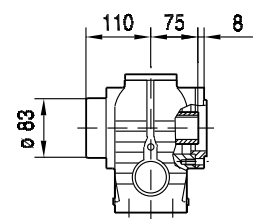
SAZ57..



SAZ57..

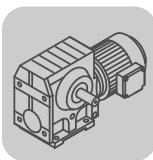
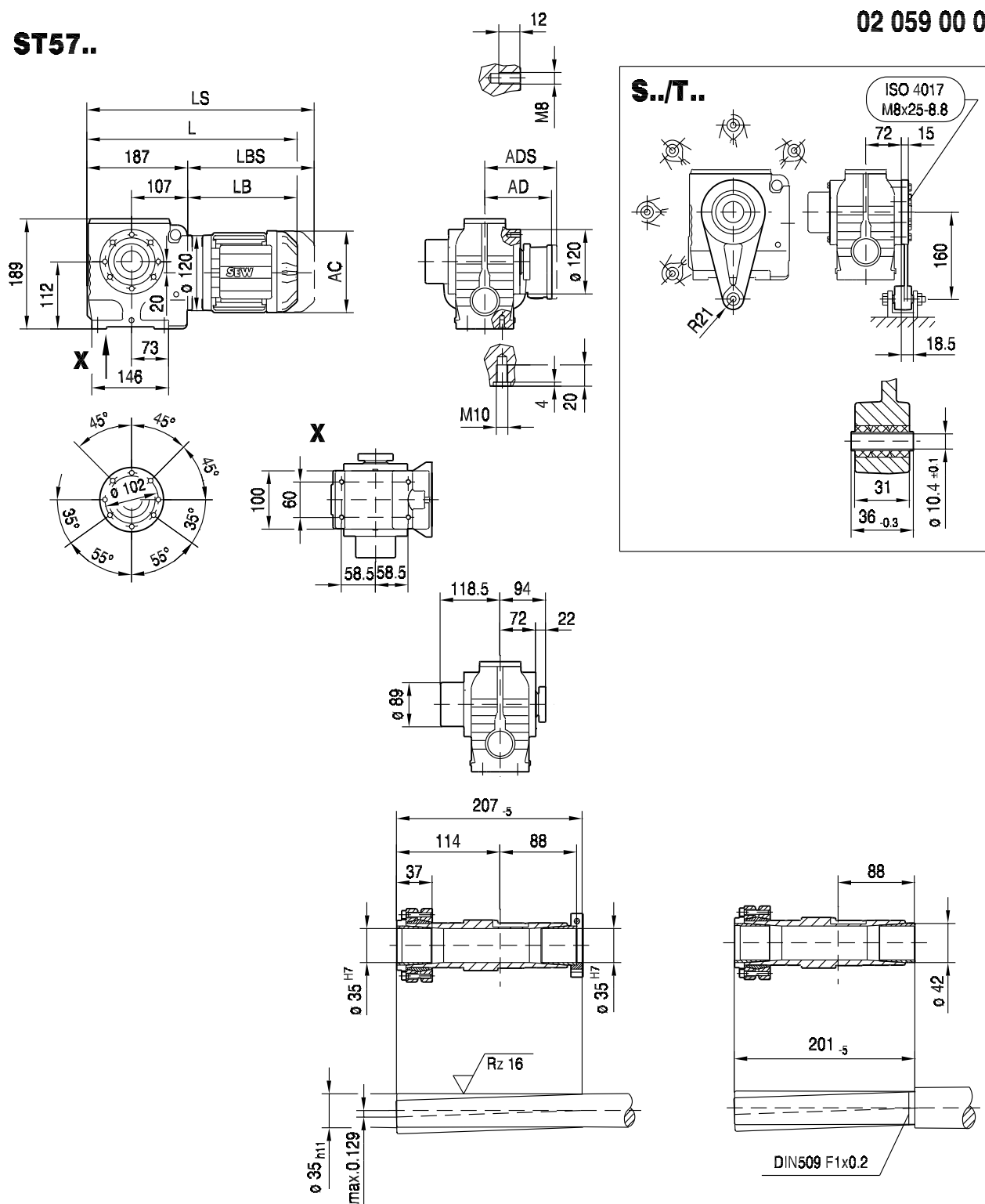


SHZ57..

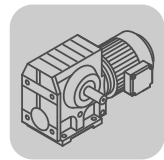


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(→ 131)	DR63..	DR71S	DR71M	DR80S	DR80M	DR90M	DR90L	DR100M
AC	132	139	139	156	156	179	179	197
AD	105	119	119	128	128	140	140	157
ADS	105	129	129	139	139	150	150	158
L	378	390	415	424	455	459	479	509
LS	433	458	483	505	536	552	572	602
LB	191	203	228	237	268	272	292	322
LBS	246	271	296	318	349	365	385	415

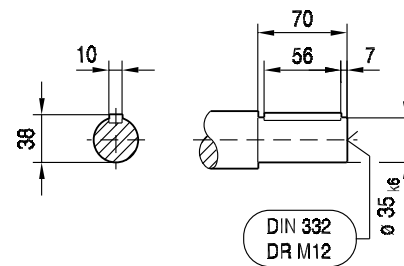
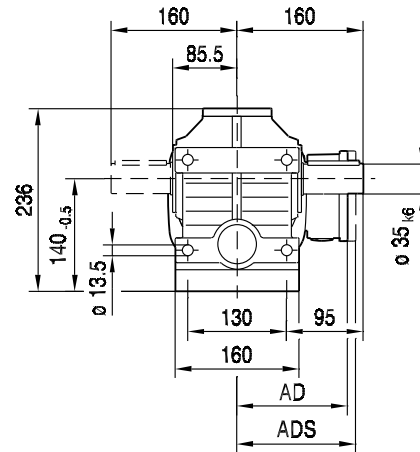
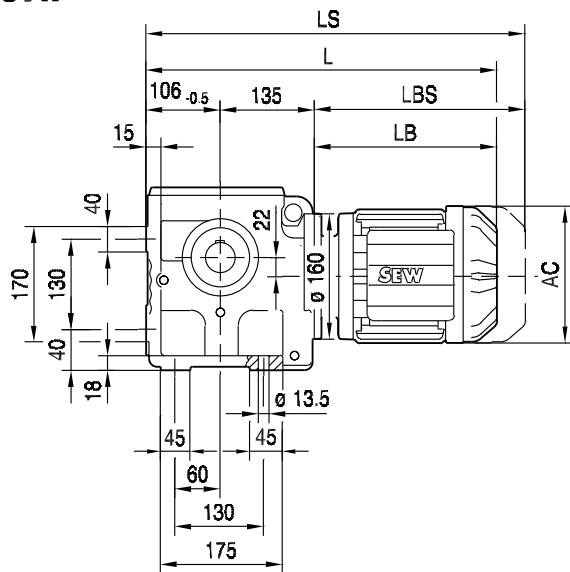

ST57..
02 059 00 06


(→ 131)	DR63..	DR71S	DR71M	DR80S	DR80M	DR90M	DR90L	DR100M
AC	132	139	139	156	156	179	179	197
AD	105	119	119	128	128	140	140	157
ADS	105	129	129	139	139	150	150	158
L	378	390	415	424	455	459	479	509
LS	433	458	483	505	536	552	572	602
LB	191	203	228	237	268	272	292	322
LBS	246	271	296	318	349	365	385	415



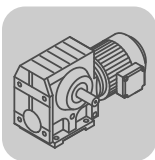
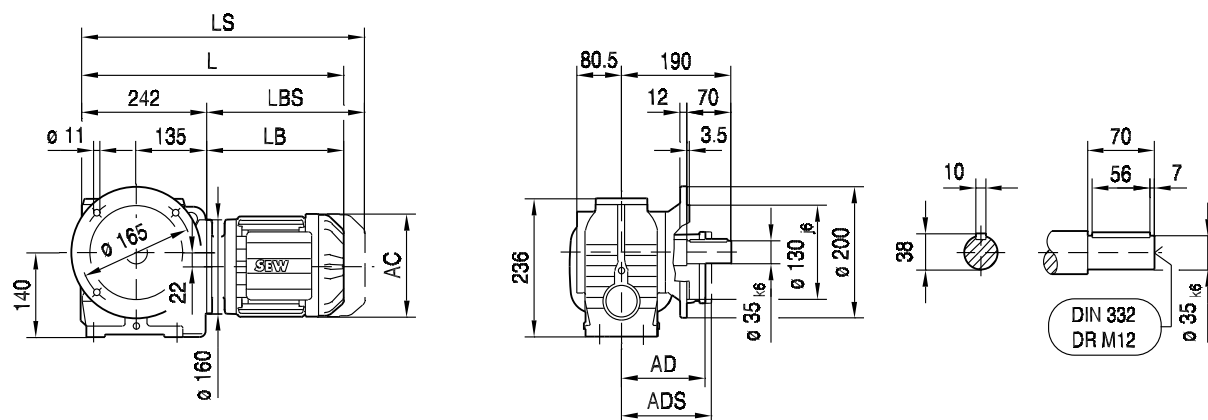
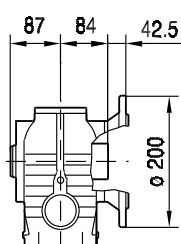
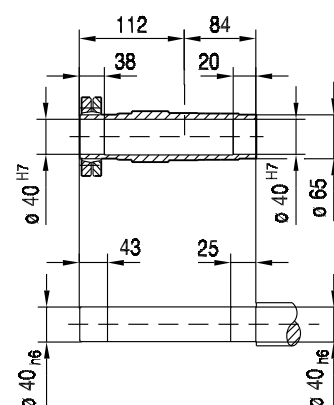
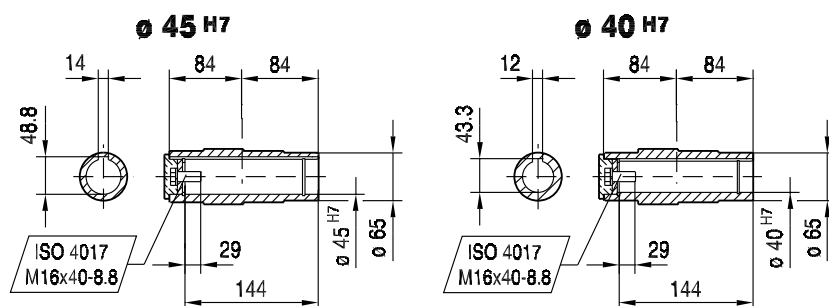
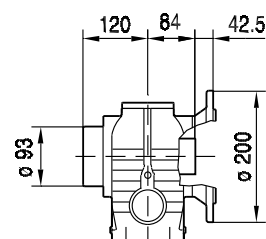
02 060 00 06^L

S67..

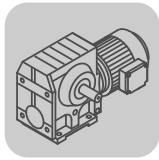


7

(→ 131)	DR63..	DR71S	DR71M	DR80S	DR80M	DR90M	DR90L	DR100M	DR100L/LC	DR132S
AC	132	139	139	156	156	179	179	197	197	221
AD	105	119	119	128	128	140	140	157	157	170
ADS	105	129	129	139	139	150	150	158	158	172
L	426	437	462	471	502	504	524	554	584	631
LS	481	505	530	552	583	597	617	647	677	743
LB	185	196	221	230	261	263	283	313	343	390
LBS	240	264	289	311	342	356	376	406	436	502

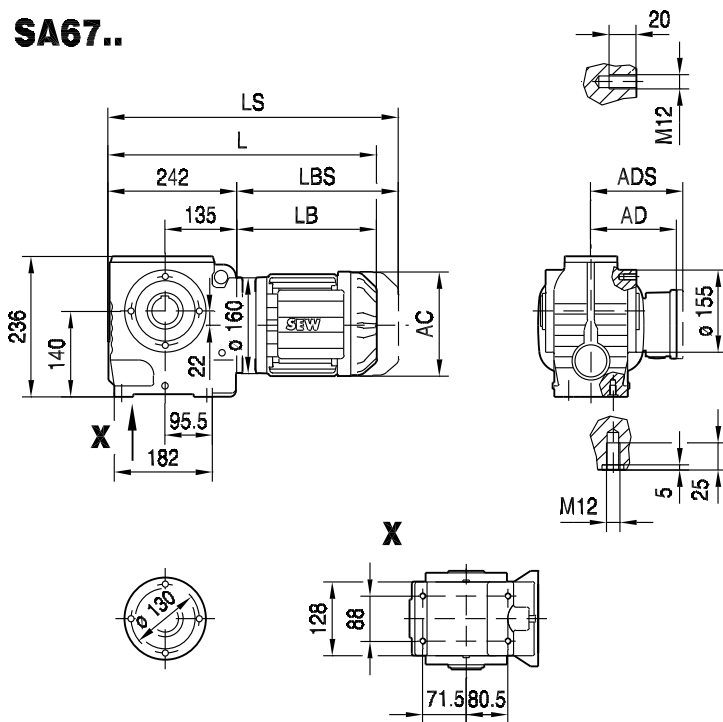
02 061 00 06^L**SF67..****SAF67..****SHF67..**

(→ 131)	DR63..	DR71S	DR71M	DR80S	DR80M	DR90M	DR90L	DR100M	DR100L/LC	DR132S
AC	132	139	139	156	156	179	179	197	197	221
AD	105	119	119	128	128	140	140	157	157	170
ADS	105	129	129	139	139	150	150	158	158	172
L	427	438	463	472	503	505	525	555	585	632
LS	482	506	531	553	584	598	618	648	678	744
LB	185	196	221	230	261	263	283	313	343	390
LBS	240	264	289	311	342	356	376	406	436	502

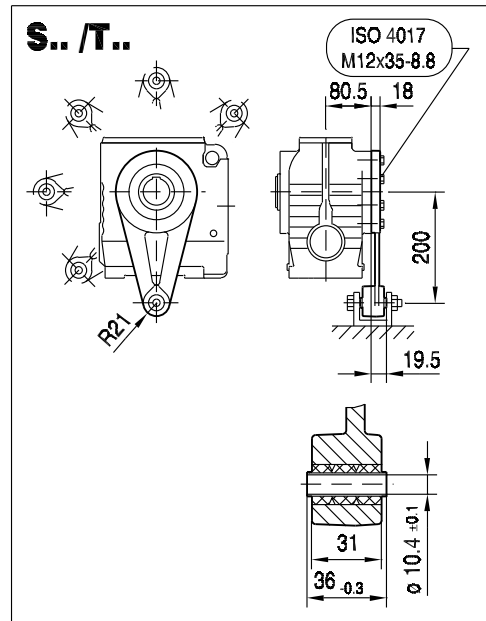


02 062 00 06

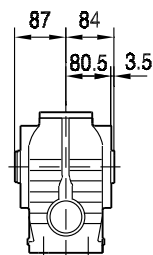
SA67..



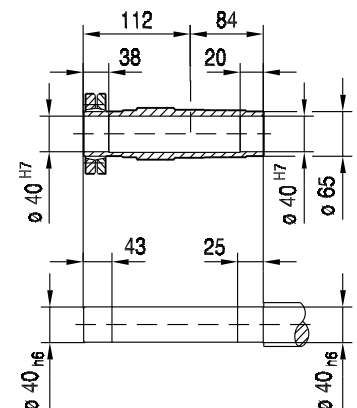
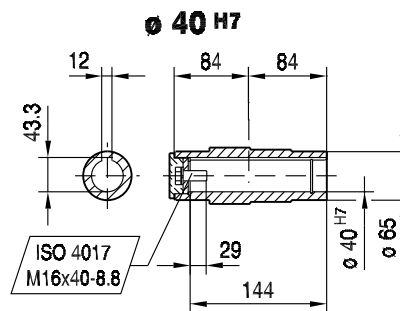
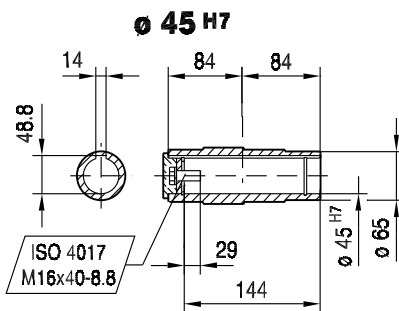
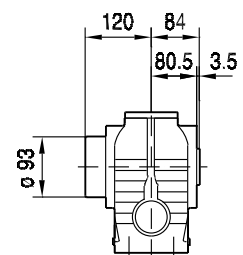
S../T..



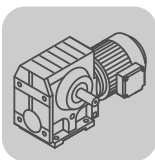
SA67..



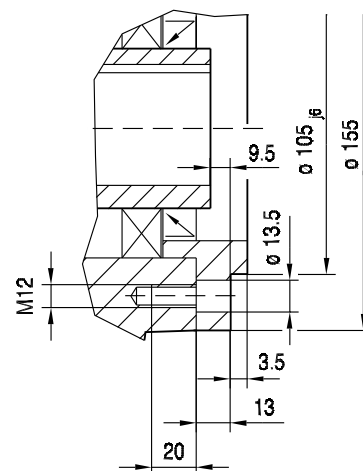
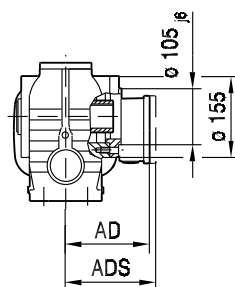
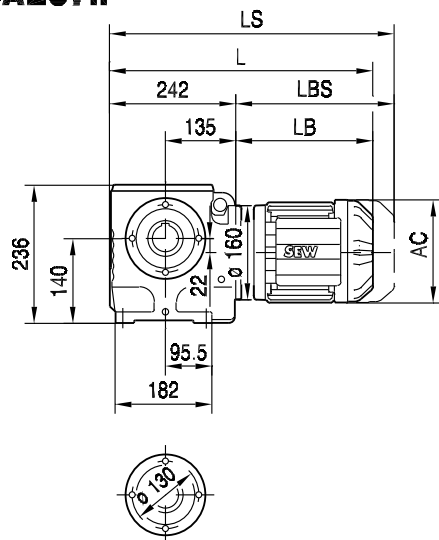
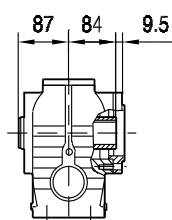
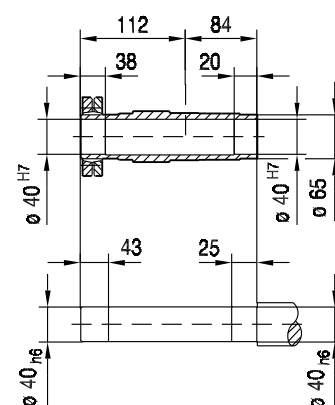
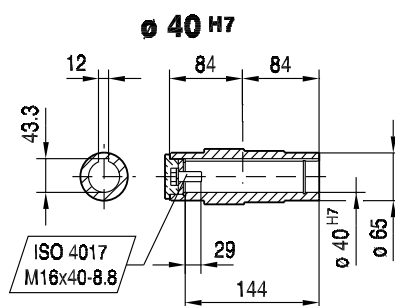
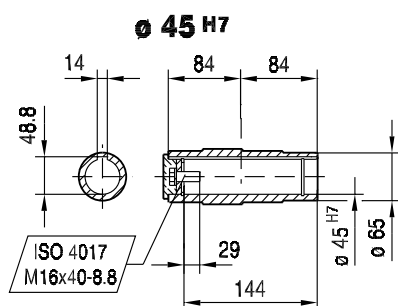
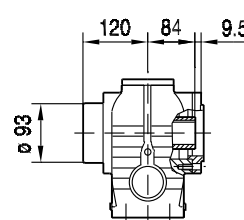
SH67..



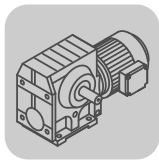
(→ 131)	DR63..	DR71S	DR71M	DR80S	DR80M	DR90M	DR90L	DR100M	DR100L/LC	DR132S
AC	132	139	139	156	156	179	179	197	197	221
AD	105	119	119	128	128	140	140	157	157	170
ADS	105	129	129	139	139	150	150	158	158	172
L	427	438	463	472	503	505	525	555	585	632
LS	482	506	531	553	584	598	618	648	678	744
LB	185	196	221	230	261	263	283	313	343	390
LBS	240	264	289	311	342	356	376	406	436	502



02 063 00 06

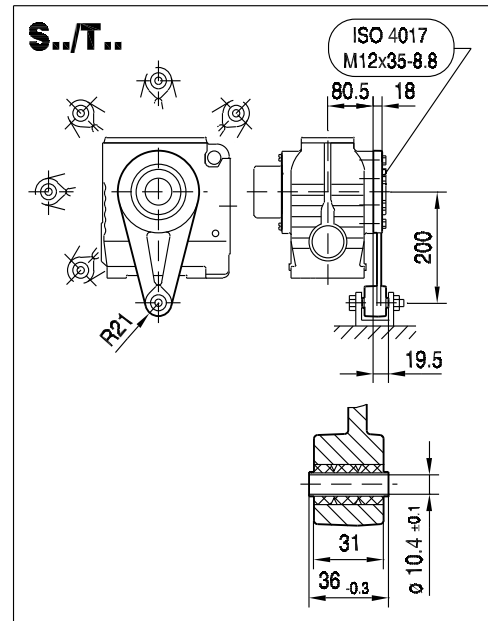
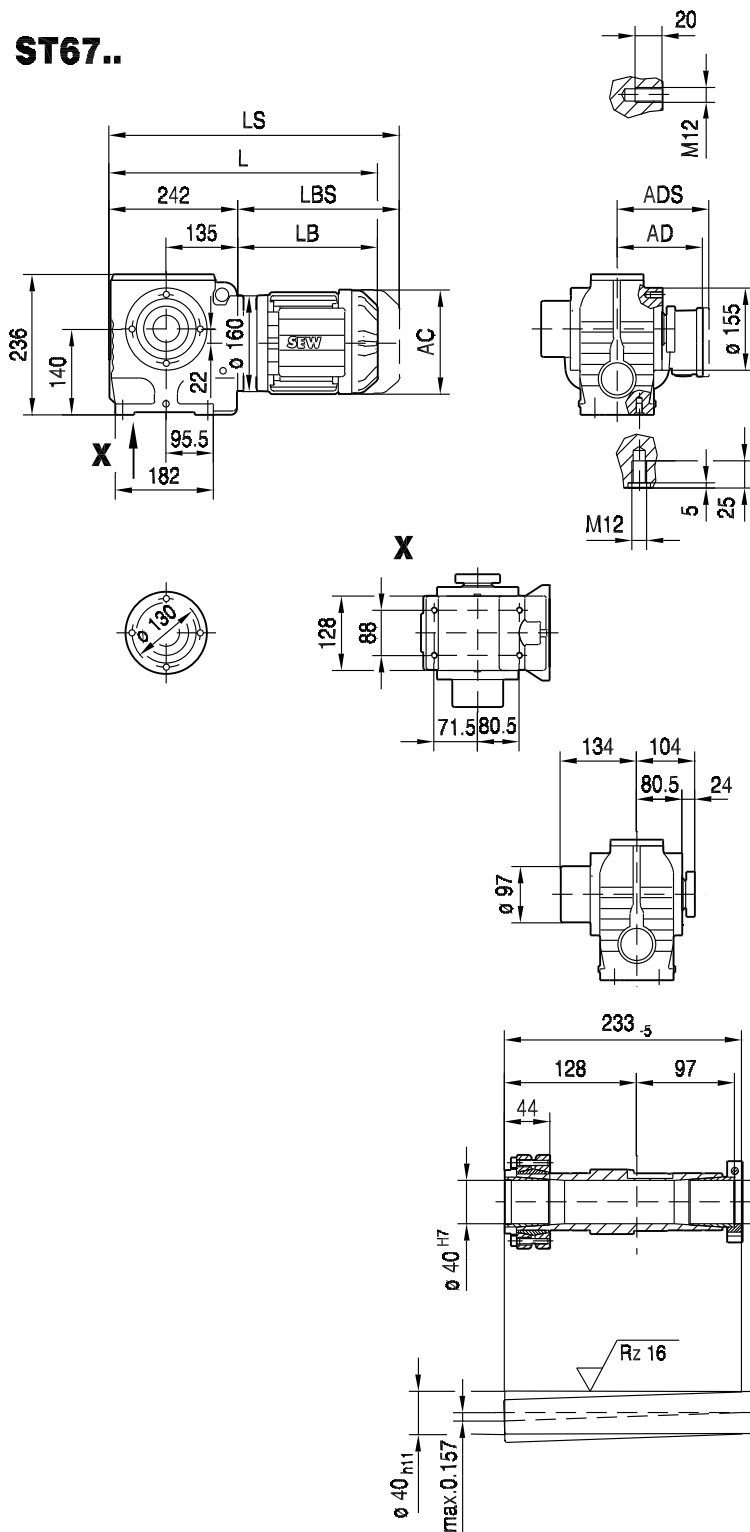
SAZ67..**SAZ67..****SHZ67..**

(→ 131)	DR63..	DR71S	DR71M	DR80S	DR80M	DR90M	DR90L	DR100M	DR100L/LC	DR132S
AC	132	139	139	156	156	179	179	197	197	221
AD	105	119	119	128	128	140	140	157	157	170
ADS	105	129	129	139	139	150	150	158	158	172
L	427	438	463	472	503	505	525	555	585	632
LS	482	506	531	553	584	598	618	648	678	744
LB	185	196	221	230	261	263	283	313	343	390
LBS	240	264	289	311	342	356	376	406	436	502

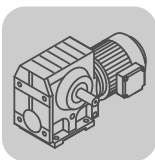
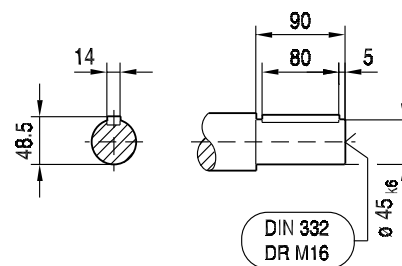
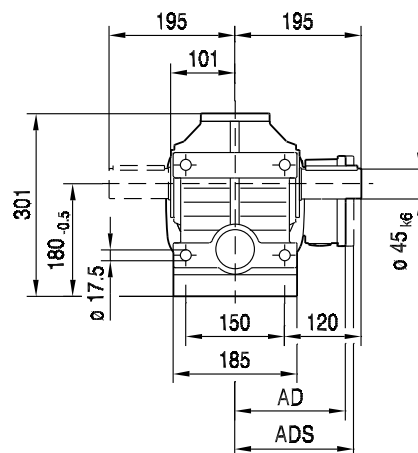
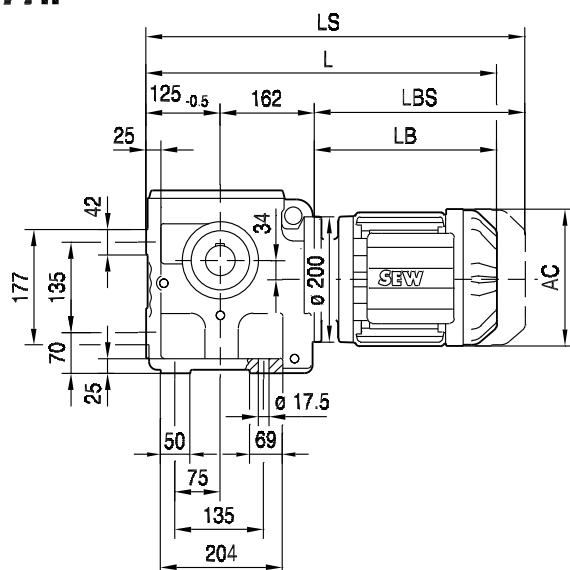


ST67..

02 064 00 06

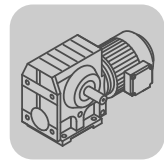


(→ 131)	DR63..	DR71S	DR71M	DR80S	DR80M	DR90M	DR90L	DR100M	DR100L/LC	DR132S
AC	132	139	139	156	156	179	179	197	197	221
AD	105	119	119	128	128	140	140	157	157	170
ADS	105	129	129	139	139	150	150	158	158	172
L	427	438	463	472	503	505	525	555	585	632
LS	482	506	531	553	584	598	618	648	678	744
LB	185	196	221	230	261	263	283	313	343	390
LBS	240	264	289	311	342	356	376	406	436	502

02 065 00 06^L**S77..**

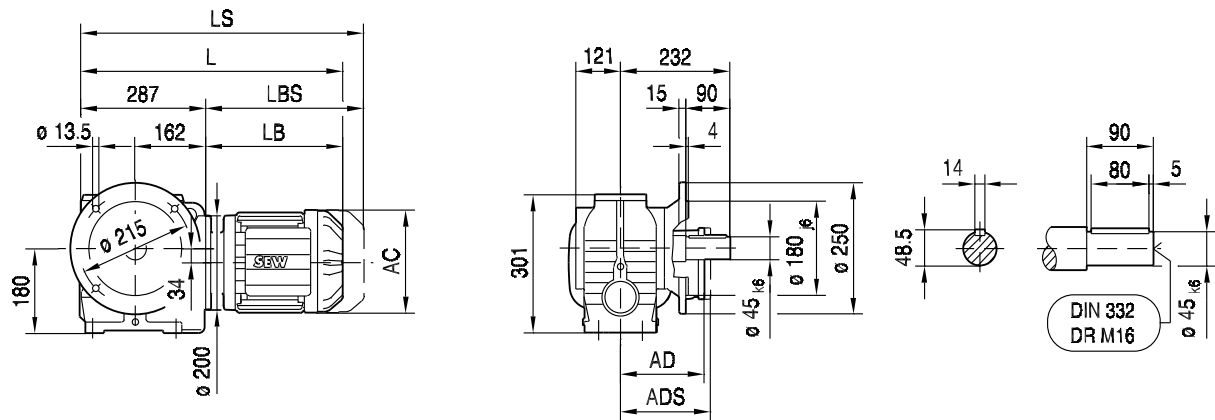
7

(→ 131)	DR71M	DR80S	DR80M	DR90M	DR90L	DR100M	DR100L/LC	DR132S	DR132M/MC
AC	139	156	156	179	179	197	197	221	221
AD	119	128	128	140	140	157	157	170	170
ADS	129	139	139	150	150	158	158	172	172
L	501	510	541	543	563	593	623	666	716
LS	569	591	622	636	656	686	716	778	828
LB	214	223	254	256	276	306	336	379	429
LBS	282	304	335	349	369	399	429	491	541

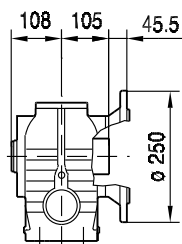


02 066 00 06^L

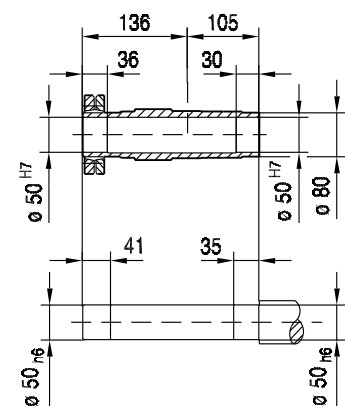
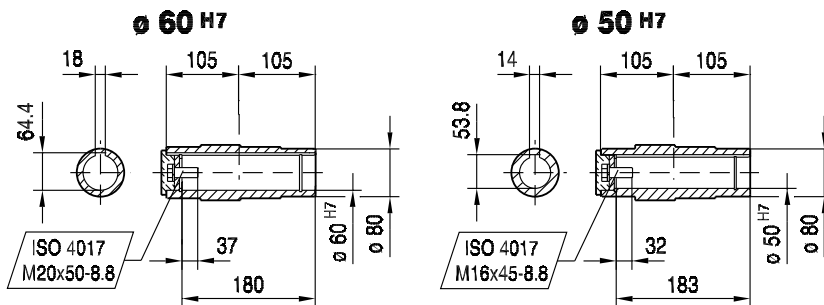
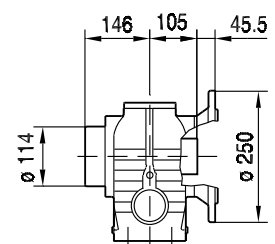
SF77..



SAF77..

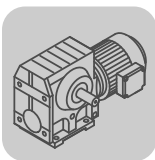


SHF77..

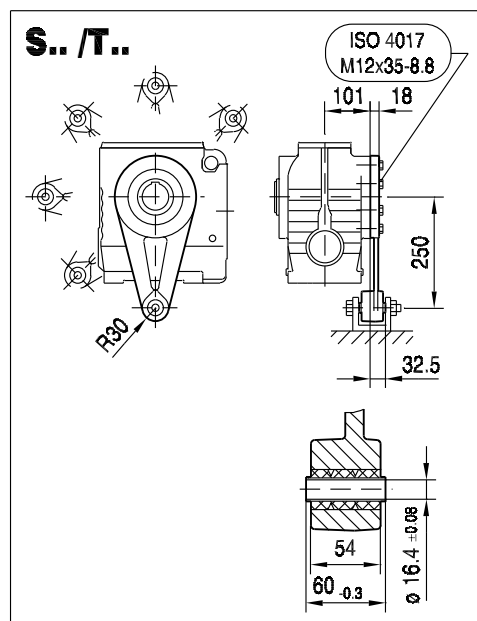
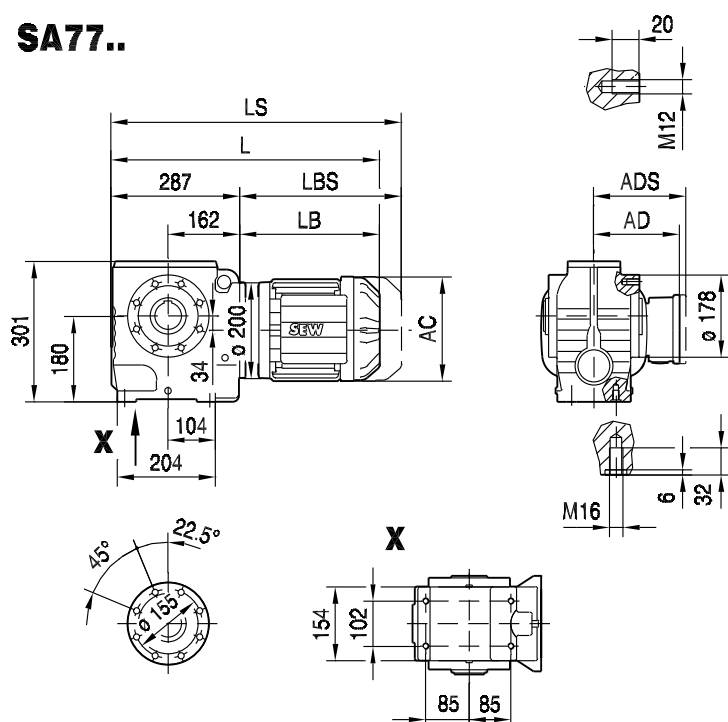


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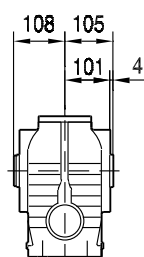
(→ 131)	DR71M	DR80S	DR80M	DR90M	DR90L	DR100M	DR100L/LC	DR132S	DR132M/MC
AC	139	156	156	179	179	197	197	221	221
AD	119	128	128	140	140	157	157	170	170
ADS	129	139	139	150	150	158	158	172	172
L	501	510	541	543	563	593	623	666	716
LS	569	591	622	636	656	686	716	778	828
LB	214	223	254	256	276	306	336	379	429
LBS	282	304	335	349	369	399	429	491	541



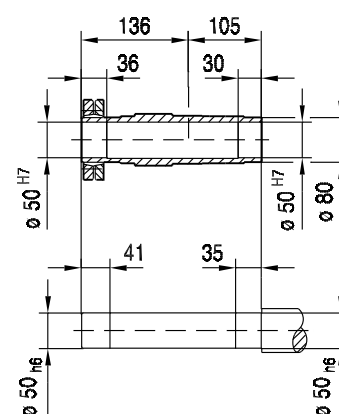
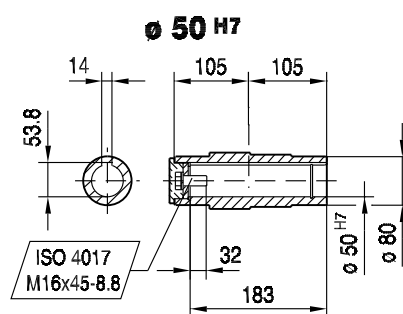
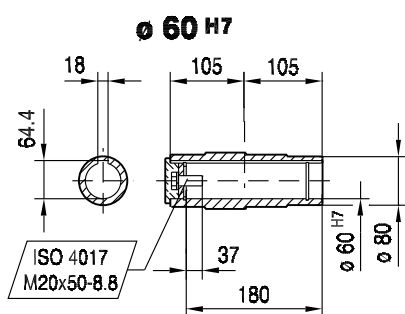
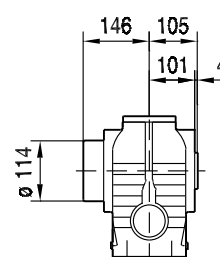
02 067 00 06

SA77..

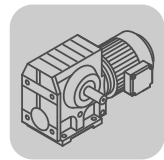
SA77..



SH77..

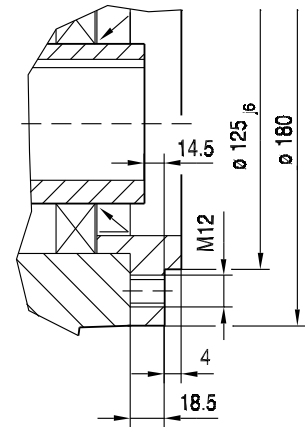
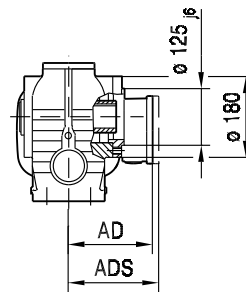
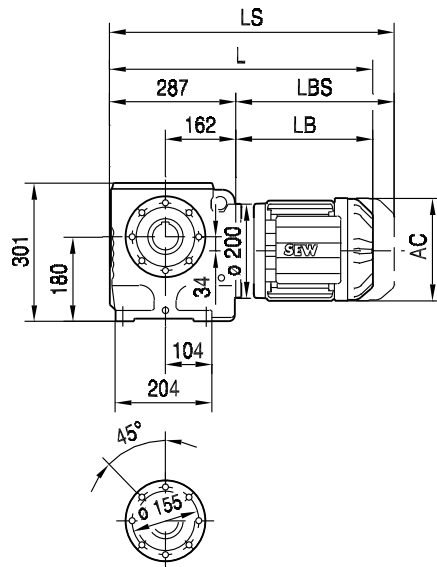


(→  131)	DR71M	DR80S	DR80M	DR90M	DR90L	DR100M	DR100L/LC	DR132S	DR132M/MC
AC	139	156	156	179	179	197	197	221	221
AD	119	128	128	140	140	157	157	170	170
ADS	129	139	139	150	150	158	158	172	172
L	501	510	541	543	563	593	623	666	716
LS	569	591	622	636	656	686	716	778	828
LB	214	223	254	256	276	306	336	379	429
LBS	282	304	335	349	369	399	429	491	541



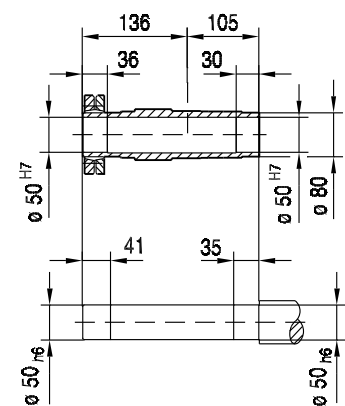
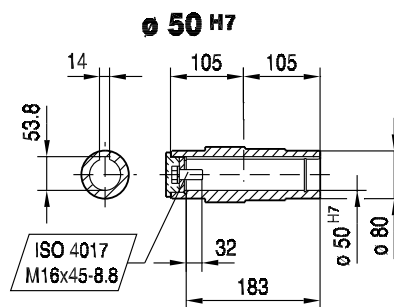
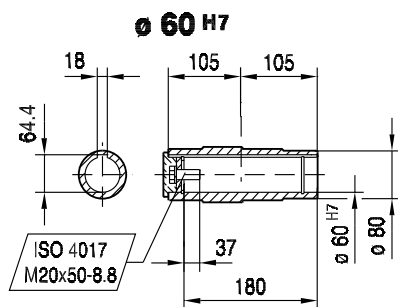
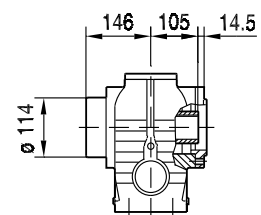
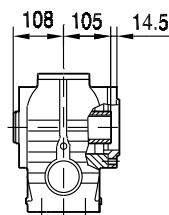
02 068 00 06^L

SAZ77..

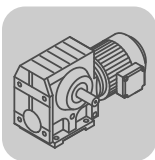


SAZ77..

SHZ77..

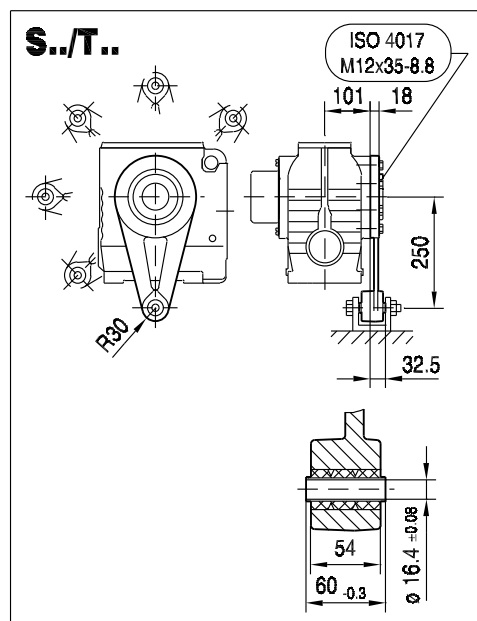
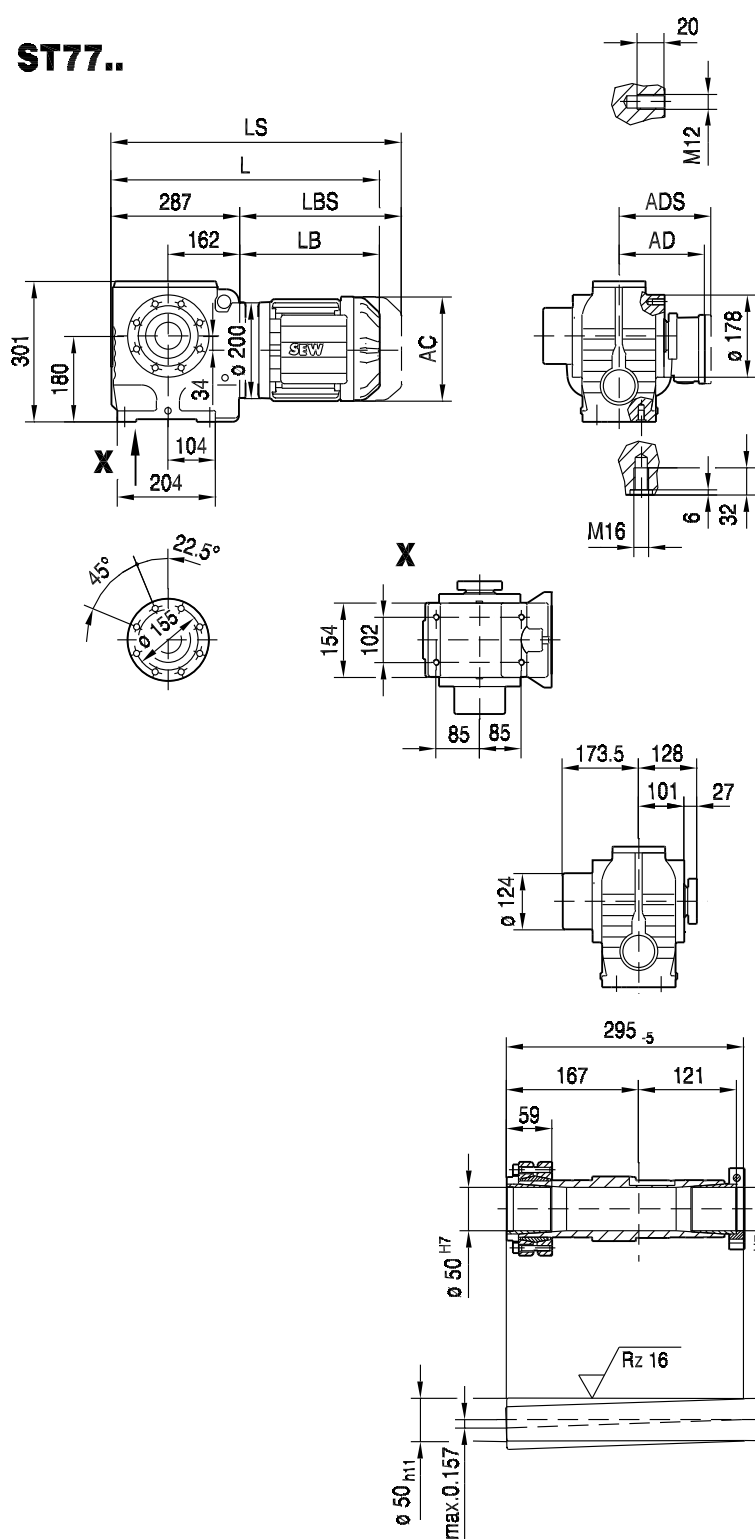


(→ 131)	DR71M	DR80S	DR80M	DR90M	DR90L	DR100M	DR100L/LC	DR132S	DR132M/MC
AC	139	156	156	179	179	197	197	221	221
AD	119	128	128	140	140	157	157	170	170
ADS	129	139	139	150	150	158	158	172	172
L	501	510	541	543	563	593	623	666	716
LS	569	591	622	636	656	686	716	778	828
LB	214	223	254	256	276	306	336	379	429
LBS	282	304	335	349	369	399	429	491	541

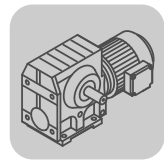


02 069 00 06

ST77..

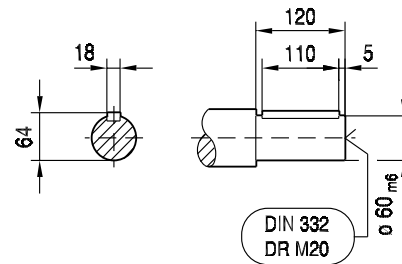
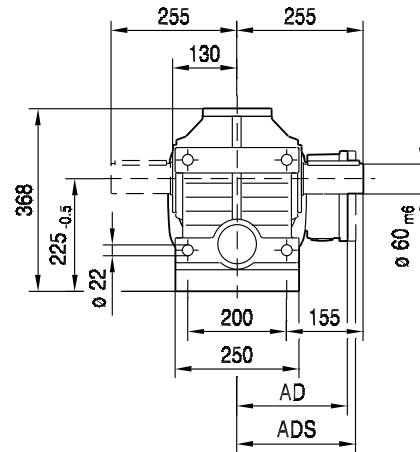
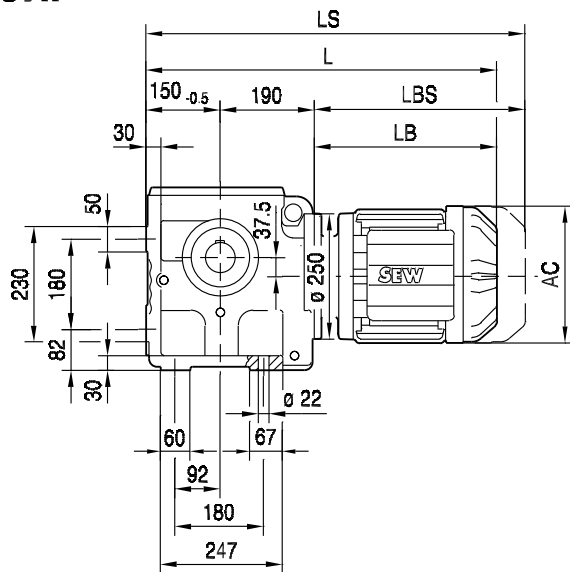


(→  131)	DR71M	DR80S	DR80M	DR90M	DR90L	DR100M	DR100L/LC	DR132S	DR132M/MC
AC	139	156	156	179	179	197	197	221	221
AD	119	128	128	140	140	157	157	170	170
ADS	129	139	139	150	150	158	158	172	172
L	501	510	541	543	563	593	623	666	716
LS	569	591	622	636	656	686	716	778	828
LB	214	223	254	256	276	306	336	379	429
LBS	282	304	335	349	369	399	429	491	541



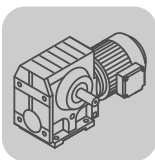
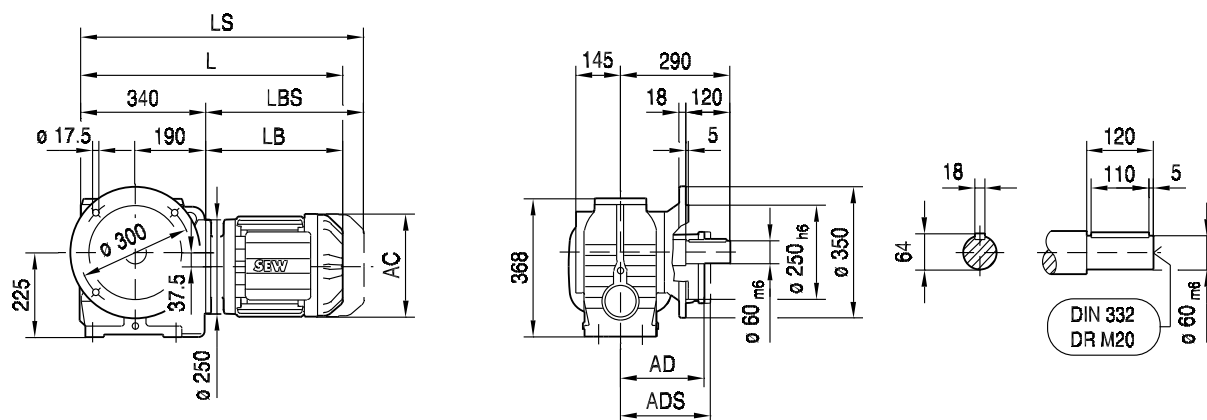
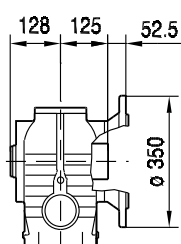
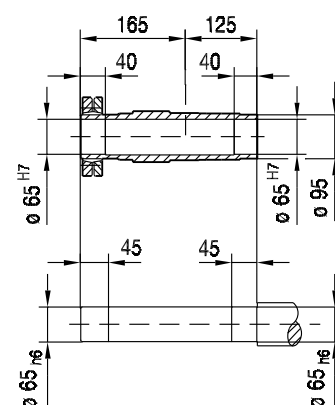
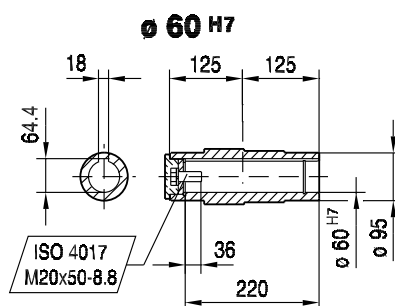
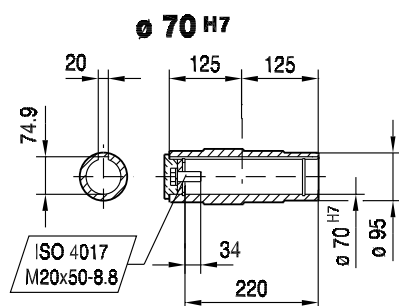
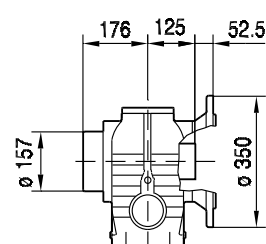
02 070 00 06^L

S87..

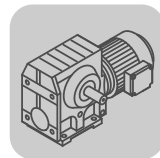


7

(→ 131)	DR80S	DR80M	DR90M	DR90L	DR100M	DR100L/LC	DR132S	DR132M/MC	DR160..
AC	156	156	179	179	197	197	221	221	270
AD	128	128	140	140	157	157	170	170	228
ADS	139	139	150	150	158	158	172	172	228
L	558	589	591	611	641	671	714	764	805
LS	639	670	684	704	734	764	826	876	942
LB	218	249	251	271	301	331	374	424	465
LBS	299	330	344	364	394	424	486	536	602

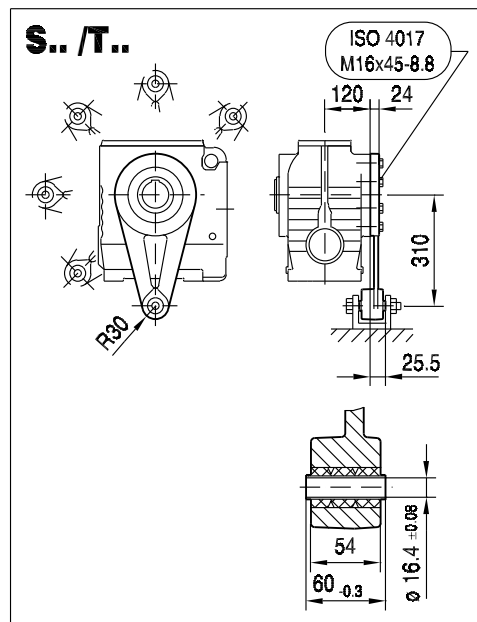
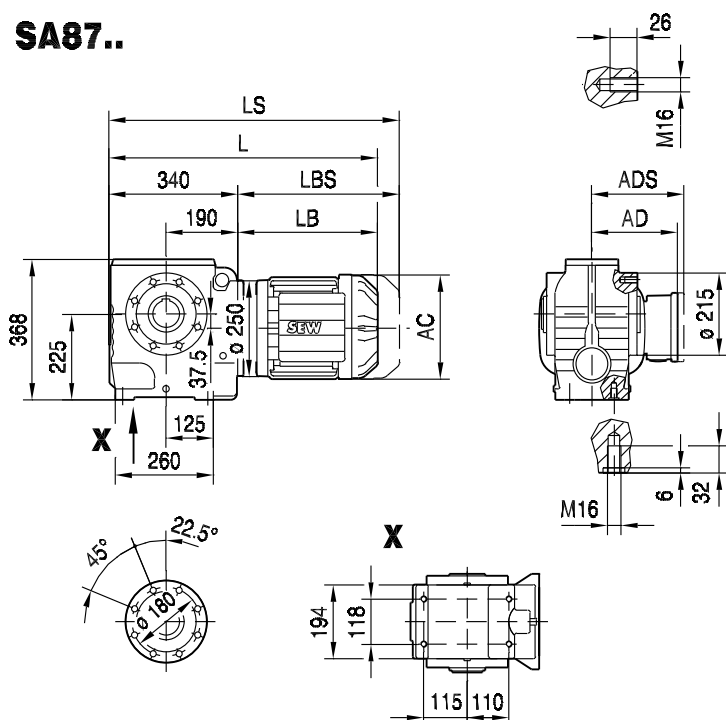
02 071 00 06^L**SF87..****SAF87..****SHF87..**

(→ 131)	DR80S	DR80M	DR90M	DR90L	DR100M	DR100L/LC	DR132S	DR132M/MC	DR160..
AC	156	156	179	179	197	197	221	221	270
AD	128	128	140	140	157	157	170	170	228
ADS	139	139	150	150	158	158	172	172	228
L	558	589	591	611	641	671	714	764	805
LS	639	670	684	704	734	764	826	876	942
LB	218	249	251	271	301	331	374	424	465
LBS	299	330	344	364	394	424	486	536	602

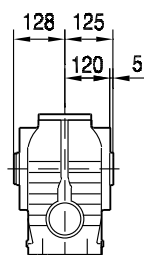


02 072 00 06

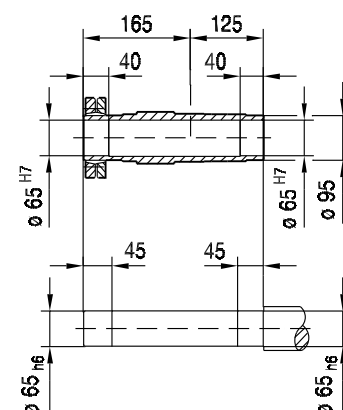
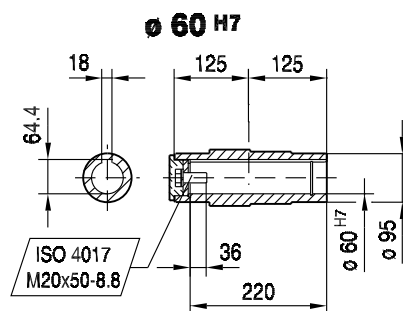
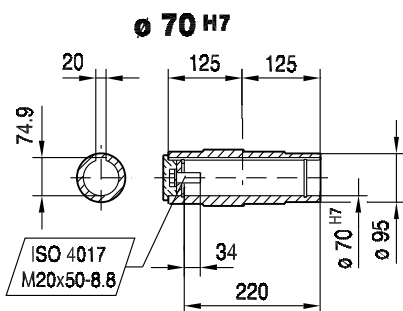
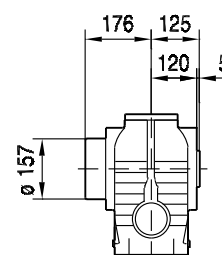
SA87..



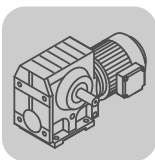
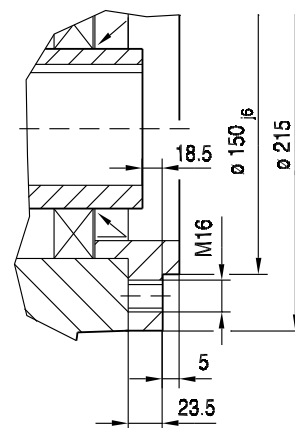
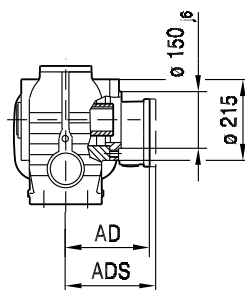
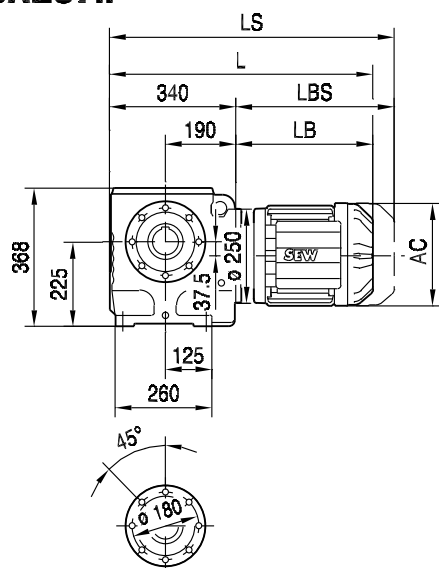
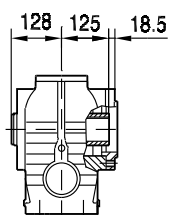
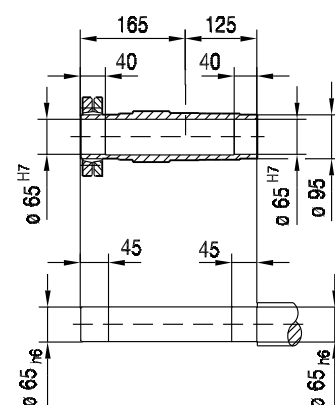
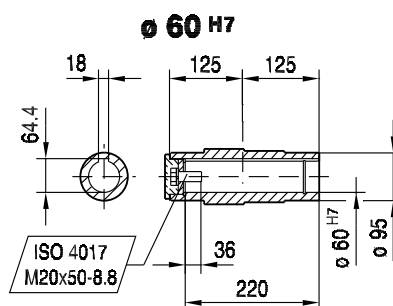
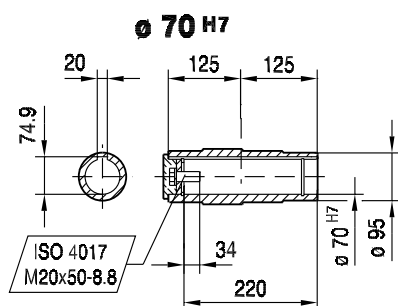
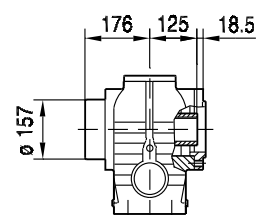
SA87..



SH87..



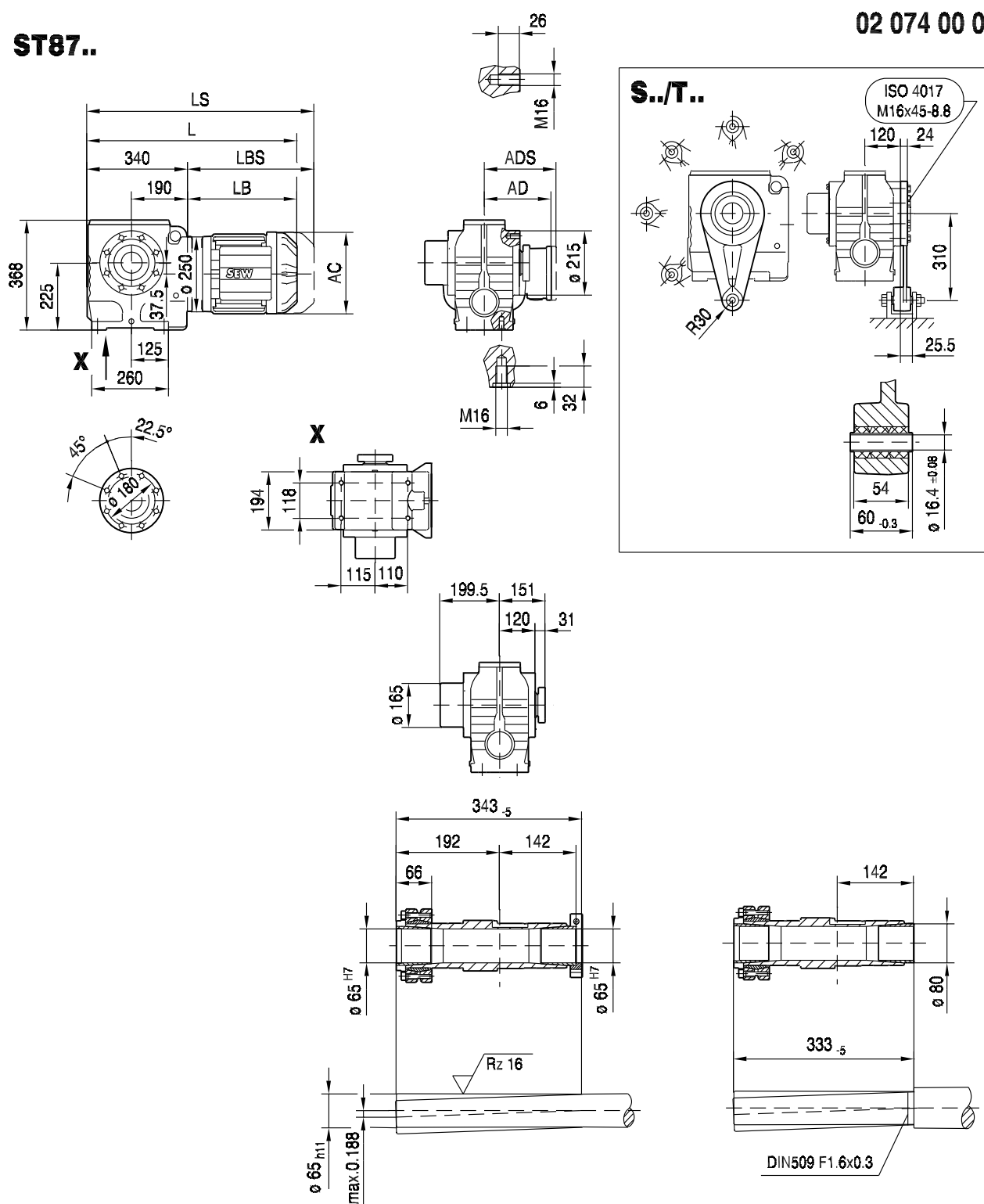
(→ 131)	DR80S	DR80M	DR90M	DR90L	DR100M	DR100L/LC	DR132S	DR132M/MC	DR160..
AC	156	156	179	179	197	197	221	221	270
AD	128	128	140	140	157	157	170	170	228
ADS	139	139	150	150	158	158	172	172	228
L	558	589	591	611	641	671	714	764	805
LS	639	670	684	704	734	764	826	876	942
LB	218	249	251	271	301	331	374	424	465
LBS	299	330	344	364	394	424	486	536	602

02 073 00 06 ^L**SAZ87..****SAZ87..****SHZ87..**

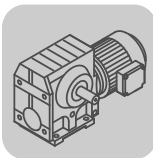
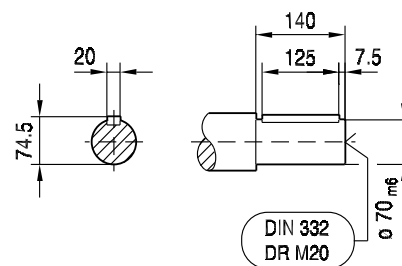
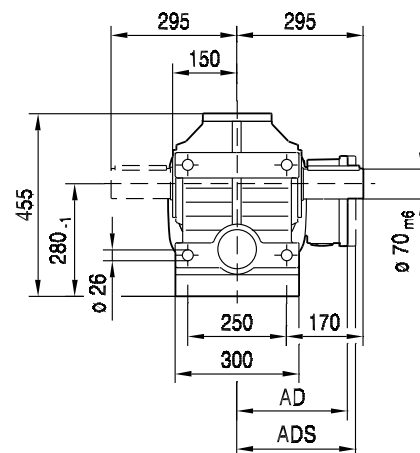
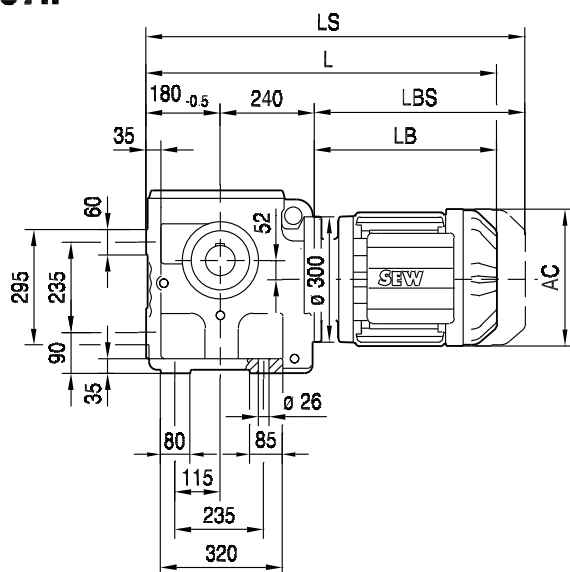
(→ 131)	DR80S	DR80M	DR90M	DR90L	DR100M	DR100L/LC	DR132S	DR132M/MC	DR160..
AC	156	156	179	179	197	197	221	221	270
AD	128	128	140	140	157	157	170	170	228
ADS	139	139	150	150	158	158	172	172	228
L	558	589	591	611	641	671	714	764	805
LS	639	670	684	704	734	764	826	876	942
LB	218	249	251	271	301	331	374	424	465
LBS	299	330	344	364	394	424	486	536	602

ST87..

02 074 00 06

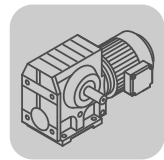


(→  131)	DR80S	DR80M	DR90M	DR90L	DR100M	DR100L/LC	DR132S	DR132M/MC	DR160..
AC	156	156	179	179	197	197	221	221	270
AD	128	128	140	140	157	157	170	170	228
ADS	139	139	150	150	158	158	172	172	228
L	558	589	591	611	641	671	714	764	805
LS	639	670	684	704	734	764	826	876	942
LB	218	249	251	271	301	331	374	424	465
LBS	299	330	344	364	394	424	486	536	602


02 075 00 06^L
S97..


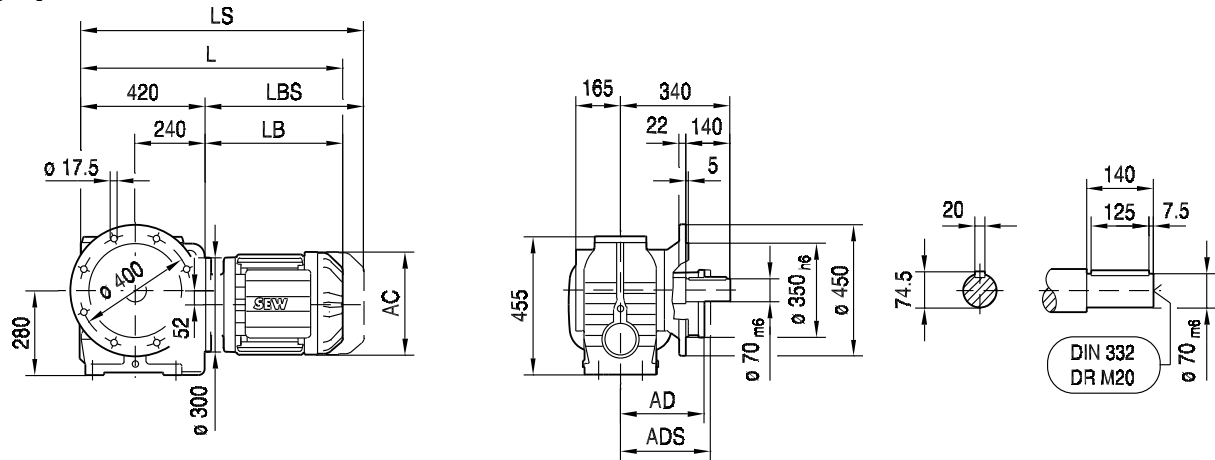
7

(→ 131)	DR90M	DR90L	DR100M	DR100L/LC	DR132S	DR132M/MC	DR160..	DR180S/M	DR180L/LC
AC	179	179	197	197	221	221	270	316	316
AD	140	140	157	157	170	170	228	253	253
ADS	150	150	158	158	172	172	228	253	253
L	666	686	716	746	789	839	880	949	1009
LS	759	779	809	839	901	951	1017	1138	1198
LB	246	266	296	326	369	419	460	529	589
LBS	339	359	389	419	481	531	597	718	778



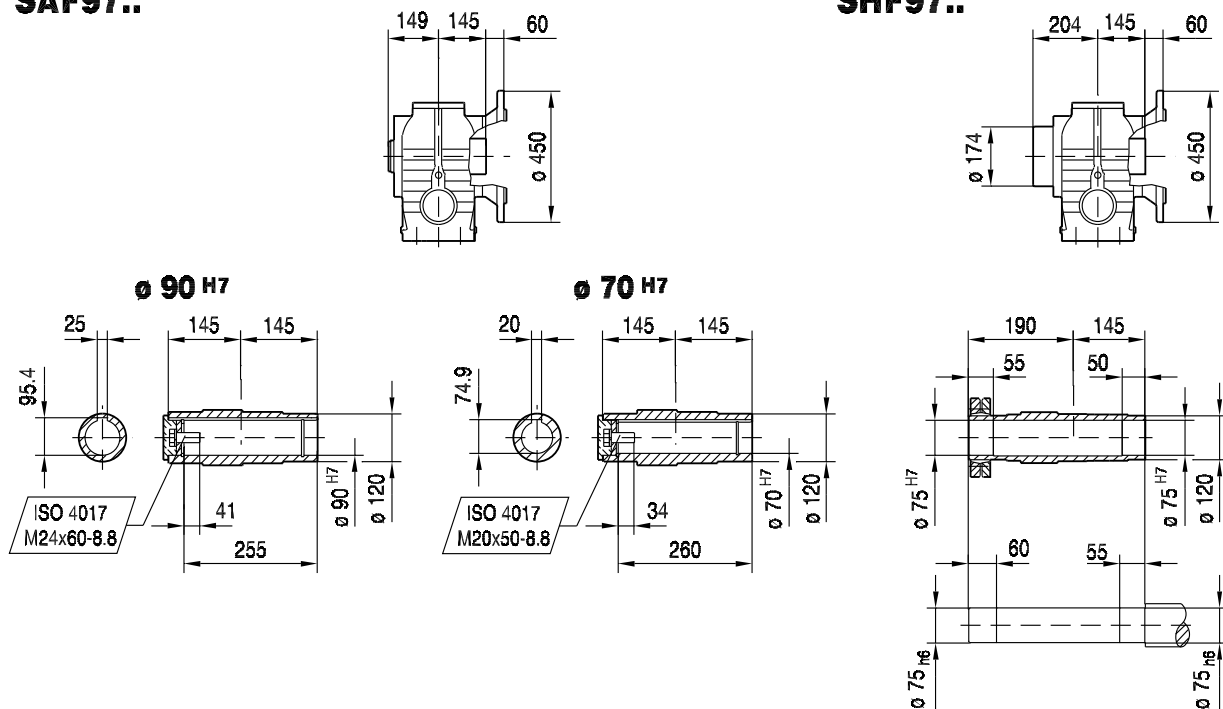
SF97..

02 076 00 06^L



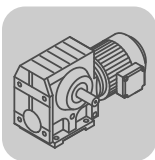
SAF97..

SHF97..

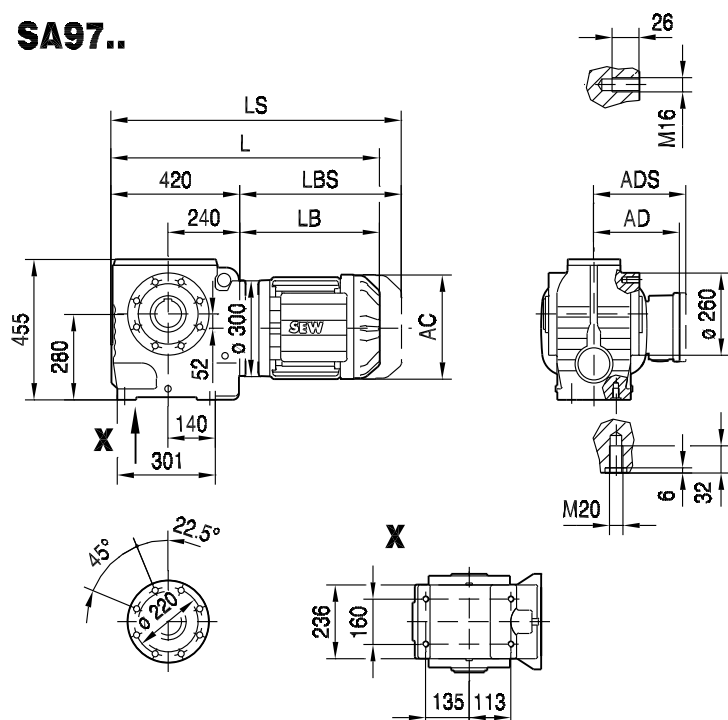
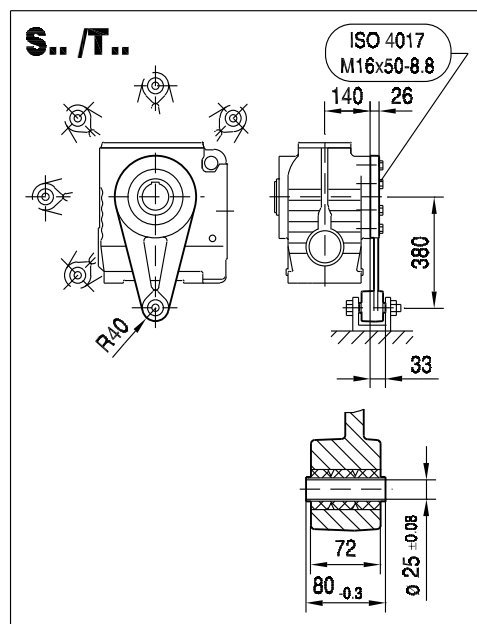
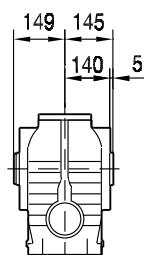
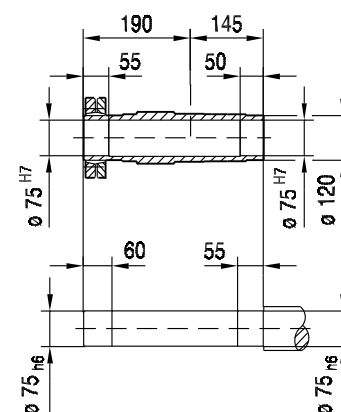
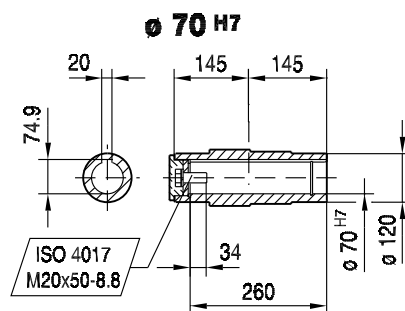
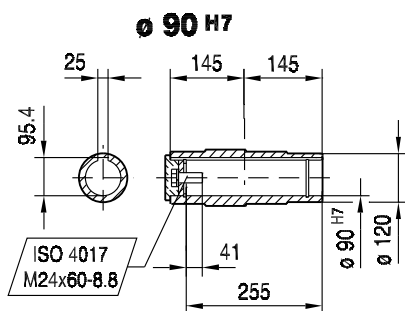
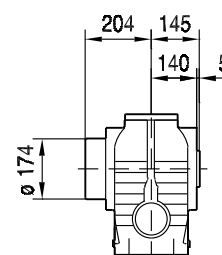


12

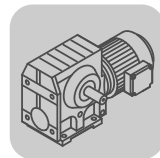
(→ 131)	DR90M	DR90L	DR100M	DR100L/LC	DR132S	DR132M/MC	DR160..	DR180S/M	DR180L/LC
AC	179	179	197	197	221	221	270	316	316
AD	140	140	157	157	170	170	228	253	253
ADS	150	150	158	158	172	172	228	253	253
L	666	686	716	746	789	839	880	949	1009
LS	759	779	809	839	901	951	1017	1138	1198
LB	246	266	296	326	369	419	460	529	589
LBS	339	359	389	419	481	531	597	718	778



02 077 00 06

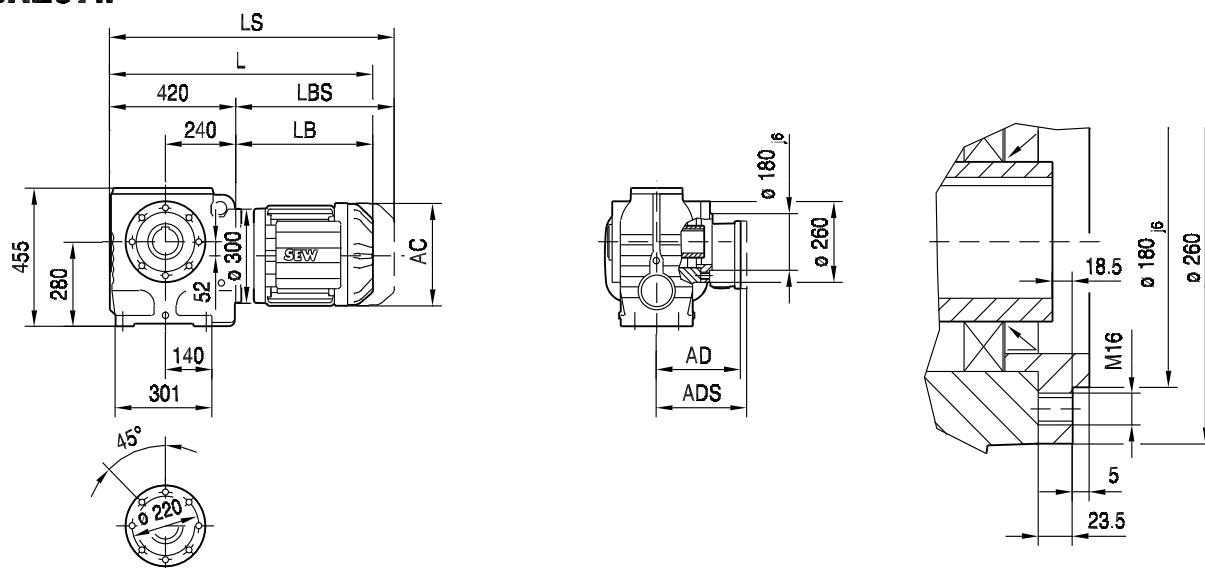
SA97..**S../T..****SA97..****SH97..**

(→ 131)	DR90M	DR90L	DR100M	DR100L/LC	DR132S	DR132M/MC	DR160..	DR180S/M	DR180L/LC
AC	179	179	197	197	221	221	270	316	316
AD	140	140	157	157	170	170	228	253	253
ADS	150	150	158	158	172	172	228	253	253
L	666	686	716	746	789	839	880	949	1009
LS	759	779	809	839	901	951	1017	1138	1198
LB	246	266	296	326	369	419	460	529	589
LBS	339	359	389	419	481	531	597	718	778



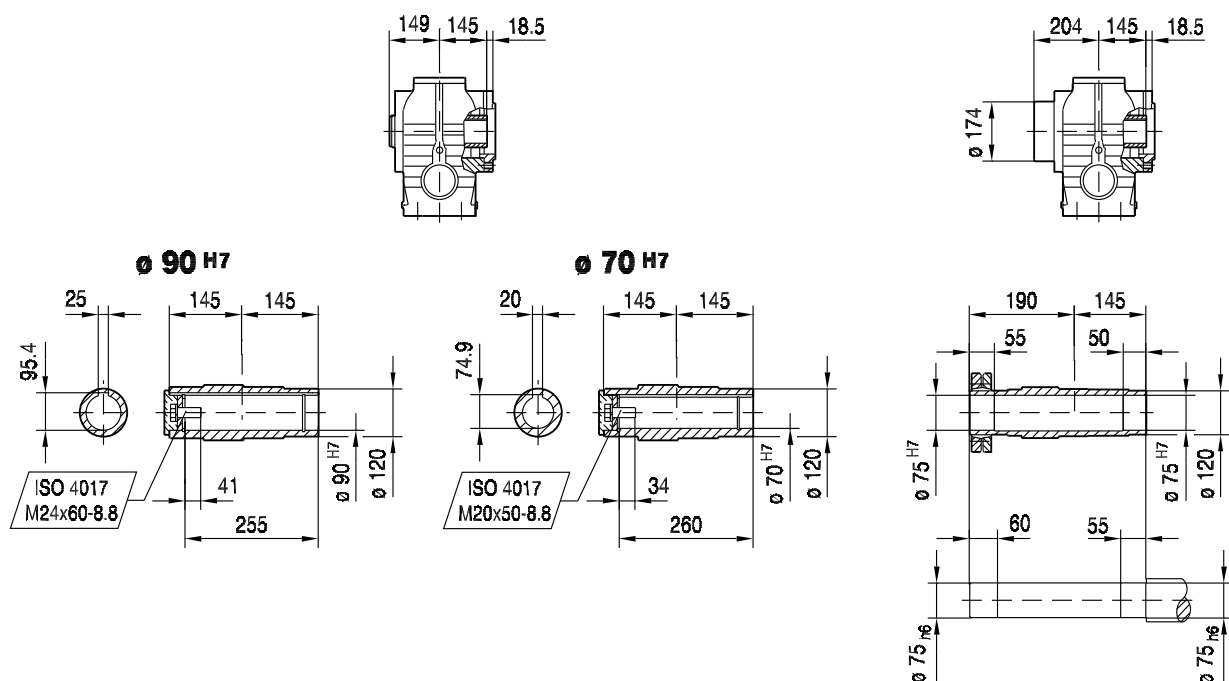
02 078 00 06^L

SAZ97..



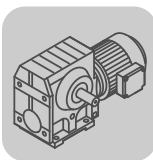
SAZ97..

SHZ97..



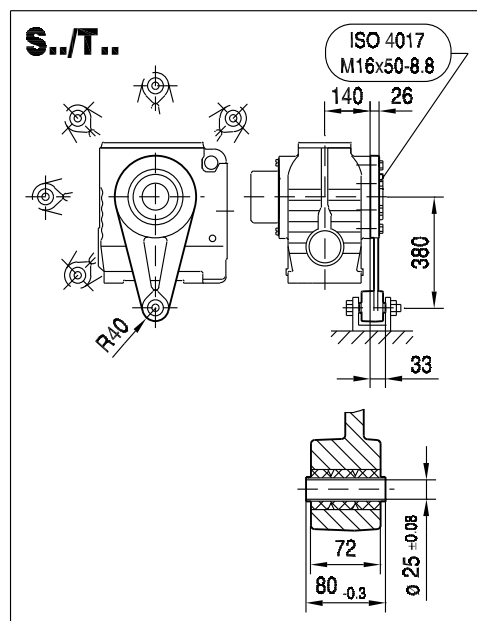
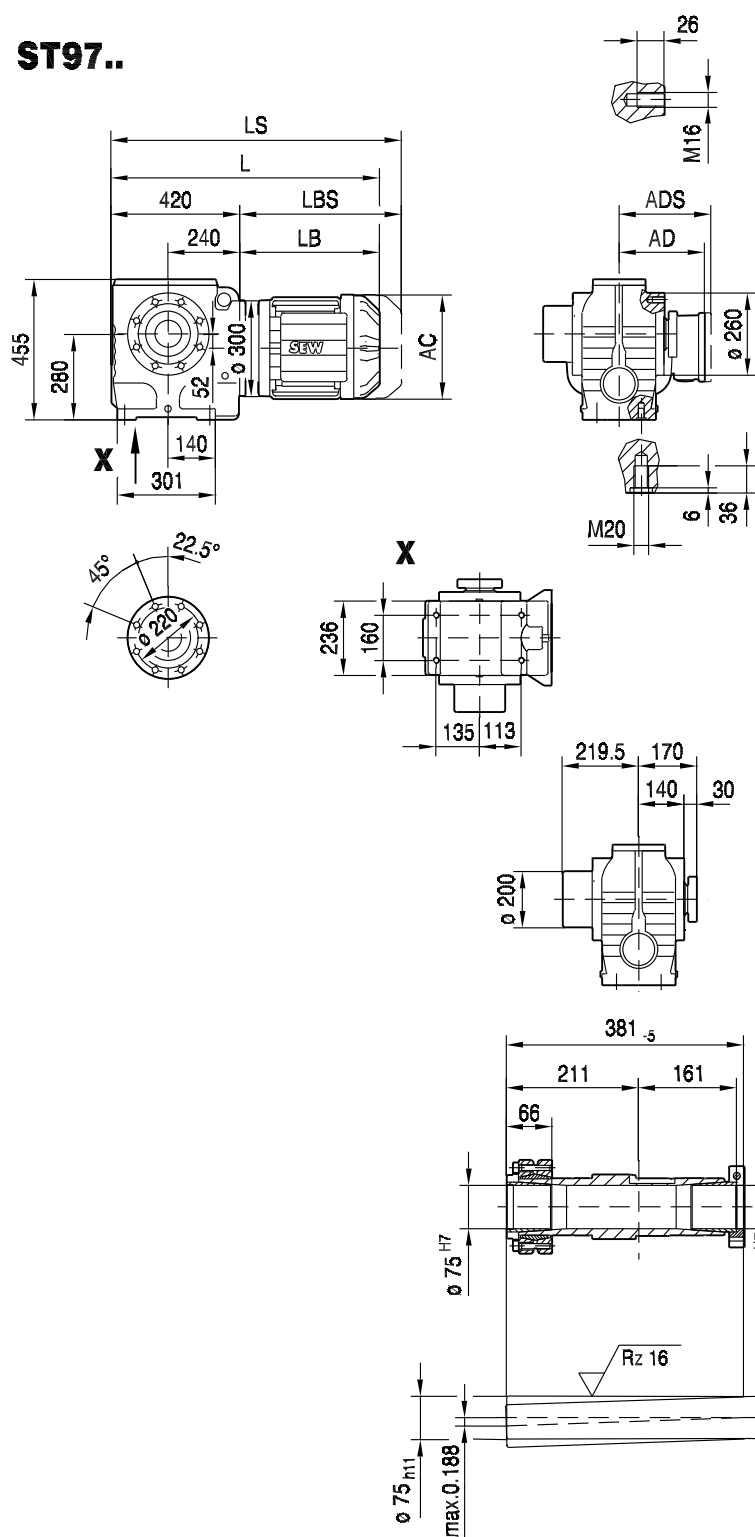
12

(→ 131)	DR90M	DR90L	DR100M	DR100L/LC	DR132S	DR132M/MC	DR160..	DR180S/M	DR180L/LC
AC	179	179	197	197	221	221	270	316	316
AD	140	140	157	157	170	170	228	253	253
ADS	150	150	158	158	172	172	228	253	253
L	666	686	716	746	789	839	880	949	1009
LS	759	779	809	839	901	951	1017	1138	1198
LB	246	266	296	326	369	419	460	529	589
LBS	339	359	389	419	481	531	597	718	778

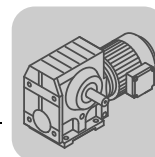


02 079 00 06

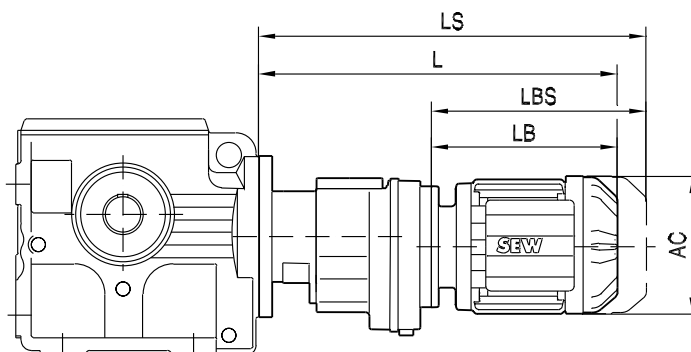
ST97..



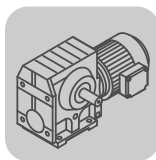
(→  131)	DR90M	DR90L	DR100M	DR100L/LC	DR132S	DR132M/MC	DR160..	DR180S/M	DR180L/LC
AC	179	179	197	197	221	221	270	316	316
AD	140	140	157	157	170	170	228	253	253
ADS	150	150	158	158	172	172	228	253	253
L	666	686	716	746	789	839	880	949	1009
LS	759	779	809	839	901	951	1017	1138	1198
LB	246	266	296	326	369	419	460	529	589
LBS	339	359	389	419	481	531	597	718	778



02 080 00 06



(→ 131)		AC	L	LS	LB	LBS
S..37R17	DR63..	132	324	379	149	204
S..47R17	DR63..	132	324	379	149	204
	DR71S..	139	335	403	160	228
S..57R17	DR63..	132	324	379	149	204
	DR71S..	139	335	403	160	228
	DR71M..	139	360	428	185	253
S..67R37	DR63..	132	356	411	191	246
	DR71S..	139	367	435	202	270
	DR71M..	139	392	460	227	295
	DR80S..	156	401	482	236	317
S..77R37	DR63..	132	348	403	191	246
	DR71S..	139	359	427	202	270
	DR71M..	139	384	452	227	295
	DR80S..	156	393	474	236	317
	DR80M..	156	424	505	267	348
S..87R57	DR63	132	401	456	185	240
	DR71S..	139	412	479	196	263
	DR71M..	139	437	504	221	288
	DR80S..	156	446	527	230	311
	DR80M..	156	477	558	261	342
	DR90M..	179	478	572	262	356
	DR90L..	179	498	592	282	376
S..97R57	DR63	132	396	451	185	240
	DR71S..	139	407	474	196	263
	DR71M..	139	432	499	221	288
	DR80S..	156	441	522	230	311
	DR80M..	156	472	553	261	342
	DR90M..	179	473	567	262	356
	DR90L..	179	493	587	282	376
	DR100M..	197	523	617	312	406
	DR100LC..	197	553	647	342	436

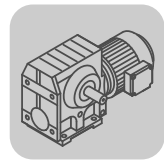

12.6 S, SF, SA, SAF 37

3400 - 2800 1/min

02 955 097

i_{ges}	i_{sch}	$n_e = 3400 \text{ 1/min}$				$n_e = 3200 \text{ 1/min}$				$n_e = 2800 \text{ 1/min}$			
		n_a [1/min]	M_{amax} [Nm]	P_e [kW]	η [%]	n_a [1/min]	M_{amax} [Nm]	P_e [kW]	η [%]	n_a [1/min]	M_{amax} [Nm]	P_e [kW]	η [%]
157.43	38/1	22	78	0.31	57	20	80	0.30	57	18	82	0.27	57
144.40		24	76	0.33	58	22	78	0.31	58	19	80	0.28	57
122.94		28	74	0.37	58	26	75	0.35	58	23	78	0.32	58
106.00		32	71	0.41	59	30	72	0.39	59	26	76	0.36	59
98.80		34	70	0.43	59	32	72	0.41	59	28	75	0.38	59
86.36		39	68	0.47	60	37	69	0.45	60	32	72	0.41	60
80.96		42	66	0.49	60	40	68	0.47	60	35	72	0.43	60
71.44		48	55	0.47	58	45	64	0.50	60	39	70	0.47	61
63.33		54	37	0.41	51	51	51	0.47	57	44	67	0.51	61
53.83		63	29	0.39	49	59	32	0.40	50	52	53	0.49	59
55.93	27/2	61	70	0.58	77	57	71	0.56	76	50	72	0.50	76
51.30		66	68	0.61	77	62	70	0.60	77	55	72	0.54	76
43.68		78	66	0.70	77	73	67	0.67	77	64	70	0.61	77
37.66		90	64	0.78	78	85	65	0.74	78	74	68	0.68	78
35.10		97	62	0.81	78	91	64	0.78	78	80	66	0.71	78
30.68		111	61	0.90	78	104	62	0.87	78	91	64	0.78	78
28.76		118	58	0.92	78	111	61	0.91	78	97	64	0.83	78
25.38		134	47	0.86	77	126	53	0.90	78	110	62	0.91	79
22.50		151	31	0.69	71	142	43	0.84	76	124	57	0.94	79
19.13		178	24	0.65	69	167	27	0.67	70	146	44	0.87	77
19.89	24/5	171	42	0.88	86	161	43	0.85	86	141	44	0.76	86
18.24		186	41	0.93	86	175	42	0.90	86	154	44	0.83	86
15.53		219	39	1.0	86	206	40	1.0	86	180	42	0.92	86
13.39		254	37	1.1	86	239	39	1.1	86	209	41	1.0	86
12.48		272	37	1.2 *	86	256	38	1.2 *	86	224	40	1.1	86
10.91		312	35	1.3 *	86	293	36	1.3 *	86	257	39	1.2 *	87
10.23		332	35	1.4 *	87	313	36	1.4 *	87	274	38	1.3 *	87
9.02		377	31	1.4 *	86	355	34	1.5 *	87	310	36	1.3 *	87
8.00		425	20	1.1	82	400	29	1.4 *	86	350	35	1.5 *	87
6.80		500	16	1.0	81	471	18	1.1	82	412	29	1.4 *	86

 * $P_{emax} = 1.1 \text{ kW}$

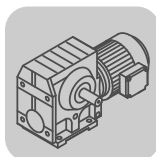


2200 - 1400 1/min

02 955 097

i_{ges}	i_{sch}	$n_e = 2200 \text{ 1/min}$				$n_e = 1700 \text{ 1/min}$				$n_e = 1400 \text{ 1/min}$			
		n_a [1/min]	M_{amax} [Nm]	P_e [kW]	η [%]	n_a [1/min]	M_{amax} [Nm]	P_e [kW]	η [%]	n_a [1/min]	M_{amax} [Nm]	P_e [kW]	η [%]
157.43	38/1	14	87	0.23	56	11	91	0.19	54	8.9	92	0.16	53
144.40		15	86	0.24	56	12	90	0.20	55	9.7	92	0.17	54
122.94		18	83	0.27	57	14	87	0.22	56	11	91	0.20	55
106.00		21	81	0.30	58	16	86	0.25	57	13	88	0.22	56
98.80		22	80	0.32	58	17	85	0.27	57	14	87	0.23	56
86.36		25	78	0.35	59	20	82	0.29	58	16	86	0.25	57
80.96		27	77	0.37	60	21	82	0.31	59	17	85	0.27	58
71.44		31	75	0.40	60	24	80	0.33	60	20	84	0.29	59
63.33		35	73	0.44	61	27	79	0.37	60	22	82	0.32	60
53.83		41	69	0.48	62	32	76	0.41	61	26	80	0.36	61
55.93	27/2	39	77	0.42	75	30	81	0.35	74	25	81	0.29	73
51.30		43	76	0.45	76	33	80	0.37	75	27	81	0.31	74
43.68		50	74	0.51	76	39	78	0.42	76	32	81	0.36	75
37.66		58	72	0.57	77	45	76	0.47	76	37	79	0.41	76
35.10		63	71	0.60	77	48	75	0.50	77	40	78	0.43	76
30.68		72	70	0.67	78	55	73	0.55	77	46	76	0.47	76
28.76		76	68	0.70	78	59	73	0.58	77	49	75	0.50	77
25.38		87	67	0.77	79	67	71	0.64	78	55	74	0.55	77
22.50		98	66	0.85	79	76	70	0.70	79	62	73	0.61	78
19.13		115	63	0.95	80	89	68	0.80	79	73	71	0.69	79
19.89	24/5	111	48	0.65	85	85	50	0.53	85	70	52	0.46	84
18.24		121	47	0.70	85	93	49	0.56	85	77	52	0.50	84
15.53		142	45	0.78	86	109	48	0.64	85	90	50	0.56	85
13.39		164	44	0.88	86	127	47	0.73	86	105	49	0.63	85
12.48		176	43	0.92	86	136	46	0.76	86	112	48	0.66	86
10.91		202	42	1.0	87	156	45	0.85	86	128	48	0.75	86
10.23		215	41	1.1	87	166	45	0.90	87	137	47	0.78	86
9.02		244	40	1.2 *	87	188	43	0.98	87	155	46	0.86	87
8.00		275	39	1.3 *	87	213	43	1.1	87	175	45	0.95	87
6.80		324	37	1.4 *	88	250	41	1.2 *	88	206	43	1.1	87

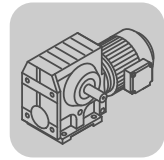
* $P_{emax} = 1.1 \text{ kW}$



1100 - 700 1/min

02 956 097

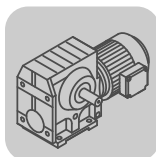
i_{ges}	i_{sch}	$n_e = 1100 \text{ 1/min}$				$n_e = 900 \text{ 1/min}$				$n_e = 700 \text{ 1/min}$			
		n_a [1/min]	M_{amax} [Nm]	P_e [kW]	η [%]	n_a [1/min]	M_{amax} [Nm]	P_e [kW]	η [%]	n_a [1/min]	M_{amax} [Nm]	P_e [kW]	η [%]
157.43	38/1	7.0	92	0.13	52	5.7	92	0.11	50	4.4	92	0.09	49
144.40		7.6	92	0.14	52	6.2	92	0.12	51	4.8	92	0.09	50
122.94		8.9	92	0.16	54	7.3	92	0.14	52	5.7	92	0.11	51
106.00		10	92	0.18	55	8.5	92	0.15	53	6.6	92	0.12	52
98.80		11	92	0.19	55	9.1	92	0.16	54	7.1	92	0.13	52
86.36		13	90	0.21	56	10	92	0.18	55	8.1	92	0.15	53
80.96		14	89	0.22	57	11	92	0.19	55	8.6	92	0.16	54
71.44		15	87	0.24	57	13	91	0.21	56	9.8	92	0.17	55
63.33		17	86	0.27	58	14	89	0.23	57	11	92	0.19	56
53.83		20	84	0.30	60	17	87	0.26	58	13	91	0.22	57
55.93	27/2	20	87	0.25	72	16	91	0.21	71	13	92	0.17	70
51.30		21	87	0.27	73	18	90	0.23	72	14	92	0.19	71
43.68		25	84	0.30	74	21	87	0.26	73	16	92	0.22	71
37.66		29	82	0.34	75	24	86	0.29	74	19	89	0.24	72
35.10		31	82	0.36	75	26	84	0.31	74	20	88	0.25	73
30.68		36	80	0.40	76	29	82	0.34	75	23	87	0.28	74
28.76		38	79	0.42	76	31	82	0.36	75	24	86	0.30	74
25.38		43	78	0.46	77	35	81	0.40	76	28	84	0.33	75
22.50		49	77	0.51	77	40	79	0.43	76	31	82	0.36	75
19.13		58	75	0.58	78	47	78	0.50	77	37	81	0.41	76
19.89	24/5	55	55	0.38	83	45	58	0.33	83	35	60	0.27	82
18.24		60	54	0.41	84	49	56	0.35	83	38	60	0.29	82
15.53		71	53	0.47	84	58	55	0.40	84	45	58	0.33	83
13.39		82	52	0.53	85	67	54	0.45	84	52	56	0.37	83
12.48		88	51	0.55	85	72	53	0.47	84	56	55	0.39	84
10.91		101	50	0.62	86	82	52	0.53	85	64	54	0.43	84
10.23		108	49	0.64	86	88	51	0.55	85	68	54	0.46	84
9.02		122	48	0.71	86	100	50	0.61	86	78	53	0.51	85
8.00		138	47	0.78	87	113	49	0.67	86	88	52	0.56	85
6.80		162	46	0.90	87	132	48	0.77	87	103	51	0.64	86



500 - 10 1/min

02 956 097

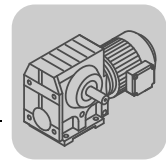
i_{ges}	i_{sch}	$n_e = 500 \text{ 1/min}$					$n_e = 250 \text{ 1/min}$				$n_e = 10 \text{ 1/min}$			
		n_a [1/min]	M_{amax} [Nm]	P_e [kW]	η [%]		n_a [1/min]	M_{amax} [Nm]	P_e [kW]	η [%]	n_a [1/min]	M_{amax} [Nm]	P_e [kW]	η [%]
157.43	38/1	3.2	92	0.06	47		1.6	92	0.033	46	0.06	92	< 0.05	26
144.40		3.5	92	0.07	48		1.7	92	0.036	46	0.07	92	< 0.05	27
122.94		4.1	92	0.08	49		2.0	92	0.042	46	0.08	92	< 0.05	29
106.00		4.7	92	0.09	50		2.4	92	0.049	47	0.09	92	< 0.05	30
98.80		5.1	92	0.10	50		2.5	92	0.05	47	0.10	92	< 0.05	31
86.36		5.8	92	0.11	51		2.9	92	0.06	47	0.12	92	< 0.05	32
80.96		6.2	92	0.12	51		3.1	92	0.06	47	0.12	92	< 0.05	33
71.44		7.0	92	0.13	52		3.5	92	0.07	48	0.14	92	< 0.05	35
63.33		7.9	92	0.14	53		3.9	92	0.08	49	0.16	92	< 0.05	37
53.83		9.3	92	0.16	55		4.6	92	0.09	50	0.19	92	< 0.05	39
55.93	27/2	8.9	92	0.13	69		4.5	92	0.06	67	0.18	92	< 0.05	48
51.30		9.7	92	0.14	69		4.9	92	0.07	67	0.19	92	< 0.05	49
43.68		11	92	0.16	70		5.7	92	0.08	67	0.23	92	< 0.05	51
37.66		13	92	0.18	71		6.6	92	0.10	67	0.27	92	< 0.05	53
35.10		14	92	0.19	71		7.1	92	0.10	68	0.28	92	< 0.05	54
30.68		16	92	0.22	72		8.1	92	0.11	68	0.33	92	< 0.05	56
28.76		17	91	0.23	72		8.7	92	0.12	69	0.35	92	< 0.05	57
25.38		20	89	0.25	73		9.9	92	0.14	69	0.39	92	< 0.05	59
22.50		22	87	0.28	74		11	92	0.15	70	0.44	92	< 0.05	61
19.13		26	85	0.31	75		13	92	0.18	71	0.52	92	< 0.05	62
19.89	24/5	25	68	0.22	81		13	72	0.12	79	0.50	72	< 0.05	65
18.24		27	66	0.23	81		14	72	0.13	79	0.55	72	< 0.05	66
15.53		32	63	0.26	82		16	72	0.15	79	0.64	72	< 0.05	68
13.39		37	61	0.29	82		19	72	0.18	80	0.75	72	< 0.05	71
12.48		40	59	0.30	82		20	72	0.19	80	0.80	72	< 0.05	72
10.91		46	58	0.34	83		23	71	0.21	81	0.92	71	< 0.05	73
10.23		49	57	0.35	83		24	70	0.22	81	0.98	70	< 0.05	73
9.02		55	56	0.39	84		28	66	0.24	81	1.1	66	< 0.05	74
8.00		63	55	0.43	84		31	63	0.25	82	1.2	63	< 0.05	74
6.80		74	54	0.49	85		37	61	0.29	82	1.5	61	< 0.05	75


12.7 S, SF, SA, SAF 47
3400 - 2800 1/min

02 957 097

i_{ges}	i_{sch}	$n_e = 3400 \text{ 1/min}$				$n_e = 3200 \text{ 1/min}$				$n_e = 2800 \text{ 1/min}$			
		n_a [1/min]	M_{amax} [Nm]	P_e [kW]	η [%]	n_a [1/min]	M_{amax} [Nm]	P_e [kW]	η [%]	n_a [1/min]	M_{amax} [Nm]	P_e [kW]	η [%]
201.00	42/1	17	150	0.44	60	16	150	0.42	60	14	150	0.37	59
184.80		18	150	0.48	60	17	150	0.45	60	15	150	0.40	59
158.12		22	150	0.55	61	20	150	0.52	61	18	150	0.46	60
137.05		25	150	0.63	62	23	150	0.59	62	20	150	0.52	61
128.10		27	150	0.67	63	25	150	0.63	62	22	150	0.56	62
110.73		31	138	0.70	63	29	148	0.71	63	25	150	0.63	63
94.08		36	113	0.69	62	34	123	0.70	63	30	146	0.72	63
84.00		40	95	0.66	61	38	107	0.69	62	33	130	0.71	63
71.75		47	58	0.55	53	45	82	0.64	60	39	107	0.70	63
67.20		51	53	0.54	52	48	68	0.60	57	42	99	0.69	62
56.61	29/2	60	40	0.51	49	57	46	0.53	51	49	75	0.65	60
69.39		49	140	0.91	79	46	140	0.86	78	40	140	0.76	78
63.80		53	140	0.99	79	50	140	0.93	79	44	140	0.82	78
54.59		62	140	1.1	80	59	140	1.1	79	51	140	0.95	79
47.32		72	139	1.3	80	68	140	1.2	80	59	140	1.1	80
44.22		77	129	1.3	80	72	139	1.3	80	63	140	1.2	80
38.23		89	112	1.3	80	84	120	1.3	80	73	139	1.3	80
32.48		105	91	1.3	79	99	100	1.3	80	86	117	1.3	80
29.00		117	76	1.2	78	110	86	1.3	79	97	104	1.3	80
24.77		137	47	0.94	72	129	66	1.2	77	113	87	1.3	80
23.20	27/5	147	42	0.90	71	138	54	1.0	75	121	79	1.3	79
19.54		174	32	0.84	69	164	37	0.89	71	143	59	1.1	77
20.33		167	100	2.0 *	88	157	100	1.9 *	88	138	100	1.6 *	88
17.62		193	97	2.2 *	88	182	100	2.2 *	88	159	100	1.9 *	88
16.47		206	90	2.2 *	88	194	97	2.2 *	88	170	100	2.0 *	88
14.24		239	78	2.2 *	88	225	83	2.2 *	88	197	97	2.3 *	88
12.10		281	63	2.1 *	88	264	69	2.2 *	88	231	82	2.2 *	88
10.80		315	53	2.0 *	87	296	60	2.1 *	88	259	72	2.2 *	88
9.23		368	32	1.5	83	347	45	1.9 *	86	303	60	2.2 *	88
8.64		394	29	1.5	82	370	37	1.7 *	85	324	55	2.1 *	88
7.28		467	22	1.3	81	440	25	1.4	82	385	41	1.9 *	86

 * $P_{emax} = 1.5 \text{ kW}$

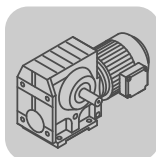


2200 - 1400 1/min

02 957 097

i_{ges}	i_{sch}	$n_e = 2200 \text{ 1/min}$				$n_e = 1700 \text{ 1/min}$				$n_e = 1400 \text{ 1/min}$			
		n_a [1/min]	M_{amax} [Nm]	P_e [kW]	η [%]	n_a [1/min]	M_{amax} [Nm]	P_e [kW]	η [%]	n_a [1/min]	M_{amax} [Nm]	P_e [kW]	η [%]
201.00	42/1	11	167	0.33	58	8.5	170	0.27	56	7.0	170	0.23	55
184.80		12	167	0.36	58	9.2	168	0.29	57	7.6	170	0.24	56
158.12		14	167	0.41	60	11	168	0.33	58	8.9	170	0.28	57
137.05		16	165	0.46	60	12	167	0.37	59	10	168	0.31	58
128.10		17	165	0.49	61	13	167	0.39	59	11	168	0.33	58
110.73		20	165	0.55	62	15	167	0.44	61	13	168	0.38	59
94.08		23	165	0.64	63	18	167	0.51	62	15	168	0.43	60
84.00		26	162	0.70	64	20	167	0.57	62	17	167	0.48	61
71.75		31	145	0.73	64	24	167	0.65	63	20	167	0.55	62
67.20		33	137	0.73	64	25	164	0.68	64	21	167	0.58	63
56.61	29/2	39	115	0.73	64	30	152	0.74	65	25	165	0.67	64
69.39		32	155	0.67	77	24	155	0.52	76	20	155	0.44	75
63.80		34	155	0.72	77	27	155	0.57	76	22	155	0.47	75
54.59		40	155	0.84	78	31	155	0.66	77	26	155	0.55	76
47.32		46	155	0.96	79	36	155	0.75	78	30	155	0.63	77
44.22		50	155	1.0	79	38	155	0.80	78	32	155	0.67	77
38.23		58	154	1.2	80	44	155	0.92	79	37	155	0.76	78
32.48		68	146	1.3	80	52	155	1.1	80	43	155	0.89	79
29.00		76	137	1.3	81	59	154	1.2	80	48	155	0.99	79
24.77		89	117	1.3	81	69	145	1.3	81	57	155	1.1	80
23.20	27/5	95	111	1.4	81	73	142	1.3	81	60	152	1.2	80
19.54		113	92	1.3	81	87	123	1.4	81	72	144	1.3	81
20.33		108	109	1.4	87	84	110	1.1	87	69	110	0.92	86
17.62		125	108	1.6 *	88	96	109	1.3	87	79	110	1.1	86
16.47		134	108	1.7 *	88	103	109	1.4	87	85	110	1.1	87
14.24		154	108	2.0 *	88	119	109	1.6 *	88	98	110	1.3	87
12.10		182	105	2.3 *	89	140	109	1.8 *	88	116	109	1.5	88
10.80		204	95	2.3 *	89	157	108	2.0 *	88	130	109	1.7 *	88
9.23		238	82	2.3 *	89	184	105	2.3 *	89	152	109	2.0 *	88
8.64		255	77	2.3 *	89	197	100	2.3 *	89	162	109	2.1 *	88
7.28		302	64	2.3 *	89	234	86	2.4 *	89	192	103	2.3 *	89

* $P_{emax} = 1.5 \text{ kW}$

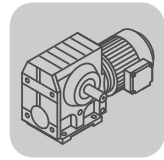


1100 - 700 1/min

02 958 097

i_{ges}	i_{sch}	$n_e = 1100 \text{ 1/min}$				$n_e = 900 \text{ 1/min}$				$n_e = 700 \text{ 1/min}$			
		n_a [1/min]	M_{amax} [Nm]	P_e [kW]	η [%]	n_a [1/min]	M_{amax} [Nm]	P_e [kW]	η [%]	n_a [1/min]	M_{amax} [Nm]	P_e [kW]	η [%]
201.00	42/1	5.5	176	0.19	53	4.5	180	0.16	52	3.5	185	0.13	51
184.80		6.0	174	0.20	54	4.9	178	0.17	53	3.8	183	0.14	51
158.12		7.0	172	0.23	55	5.7	176	0.20	54	4.4	180	0.16	52
137.05		8.0	171	0.26	56	6.6	172	0.22	55	5.1	178	0.18	53
128.10		8.6	171	0.27	57	7.0	172	0.23	55	5.5	176	0.19	54
110.73		9.9	169	0.30	58	8.1	171	0.26	56	6.3	174	0.21	55
94.08		12	169	0.35	59	9.6	171	0.30	57	7.4	172	0.24	56
84.00		13	169	0.39	60	11	169	0.32	58	8.3	171	0.26	57
71.75		15	169	0.45	61	13	169	0.37	60	9.8	171	0.30	58
67.20		16	169	0.47	61	13	169	0.40	60	10	171	0.32	58
56.61	29/2	19	169	0.55	63	16	169	0.46	61	12	171	0.37	60
69.39		16	173	0.39	74	13	176	0.33	73	10	180	0.27	71
63.80		17	173	0.42	74	14	175	0.35	73	11	180	0.29	72
54.59		20	171	0.48	75	16	173	0.40	74	13	176	0.33	73
47.32		23	171	0.55	76	19	173	0.46	75	15	175	0.37	73
44.22		25	171	0.58	76	20	171	0.49	75	16	175	0.39	74
38.23		29	169	0.66	77	24	171	0.56	76	18	173	0.44	75
32.48		34	169	0.77	78	28	171	0.65	77	22	171	0.51	75
29.00		38	170	0.86	78	31	171	0.72	77	24	171	0.57	76
24.77		44	169	0.99	79	36	170	0.83	78	28	171	0.66	77
23.20	27/5	47	164	1.0	79	39	170	0.88	79	30	171	0.70	77
19.54		56	154	1.1	80	46	165	1.0	79	36	170	0.81	78
20.33		54	112	0.75	85	44	114	0.63	84	34	116	0.50	83
17.62		62	112	0.86	86	51	113	0.71	85	40	115	0.57	84
16.47		67	112	0.91	86	55	113	0.76	85	43	114	0.60	84
14.24		77	111	1.0	86	63	112	0.86	86	49	113	0.69	85
12.10		91	111	1.2	87	74	111	1.0	86	58	113	0.80	85
10.80		102	111	1.4	87	83	111	1.1	87	65	112	0.88	86
9.23		119	110	1.6 *	88	98	111	1.3	87	76	112	1.0	86
8.64		127	109	1.7 *	88	104	111	1.4	87	81	112	1.1	87
7.28		151	109	2.0 *	88	124	111	1.6 *	88	96	111	1.3	87

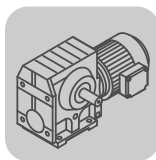
* $P_{emax} = 1.5 \text{ kW}$



500 - 10 1/min

02 958 097

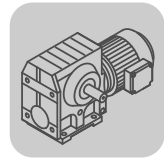
i_{ges}	i_{sch}	$n_e = 500 \text{ 1/min}$				$n_e = 250 \text{ 1/min}$				$n_e = 10 \text{ 1/min}$			
		n_a [1/min]	M_{amax} [Nm]	P_e [kW]	η [%]	n_a [1/min]	M_{amax} [Nm]	P_e [kW]	η [%]	n_a [1/min]	M_{amax} [Nm]	P_e [kW]	η [%]
201.00	42/1	2.5	185	0.10	49	1.2	185	0.05	48	0.05	185	< 0.05	32
184.80		2.7	185	0.11	49	1.4	185	0.05	48	0.05	185	< 0.05	32
158.12		3.2	185	0.12	50	1.6	185	0.06	48	0.06	185	< 0.05	35
137.05		3.6	185	0.14	51	1.8	185	0.07	48	0.07	185	< 0.05	37
128.10		3.9	183	0.15	51	2.0	185	0.08	48	0.08	185	< 0.05	38
110.73		4.5	181	0.16	52	2.3	185	0.09	49	0.09	185	< 0.05	40
94.08		5.3	178	0.19	54	2.7	185	0.10	49	0.11	185	< 0.05	42
84.00		6.0	176	0.20	54	3.0	185	0.12	50	0.12	185	< 0.05	43
71.75		7.0	174	0.23	56	3.5	185	0.13	51	0.14	185	< 0.05	44
67.20		7.4	172	0.24	56	3.7	185	0.14	51	0.15	185	< 0.05	44
56.61	29/2	8.8	172	0.28	57	4.4	181	0.16	53	0.18	181	< 0.05	45
69.39		7.2	185	0.20	70	3.6	185	0.10	68	0.14	185	< 0.05	56
63.80		7.8	185	0.22	70	3.9	185	0.11	68	0.16	185	< 0.05	57
54.59		9.2	185	0.25	71	4.6	185	0.13	68	0.18	185	< 0.05	60
47.32		11	181	0.28	72	5.3	185	0.15	68	0.21	185	< 0.05	61
44.22		11	180	0.30	72	5.7	185	0.16	69	0.23	185	< 0.05	62
38.23		13	178	0.33	73	6.5	185	0.18	69	0.26	185	< 0.05	63
32.48		15	174	0.38	74	7.7	185	0.21	70	0.31	185	< 0.05	64
29.00		17	174	0.42	74	8.6	185	0.24	71	0.34	185	< 0.05	65
24.77		20	172	0.48	75	10	183	0.27	71	0.40	183	< 0.05	66
23.20	27/5	22	172	0.51	76	11	181	0.28	72	0.43	181	< 0.05	66
19.54		26	172	0.60	77	13	178	0.33	73	0.51	178	< 0.05	67
20.33		25	124	0.39	82	12	157	0.25	80	0.49	157	< 0.05	75
17.62		28	120	0.43	83	14	149	0.28	80	0.57	149	< 0.05	76
16.47		30	118	0.45	83	15	145	0.29	81	0.61	145	< 0.05	76
14.24		35	116	0.51	84	18	138	0.31	81	0.70	138	< 0.05	77
12.10		41	115	0.59	84	21	131	0.35	82	0.83	131	< 0.05	77
10.80		46	114	0.65	85	23	127	0.37	82	0.93	127	< 0.05	77
9.23		54	113	0.75	85	27	121	0.41	83	1.1	121	< 0.05	78
8.64		58	113	0.80	86	29	120	0.44	83	1.2	120	< 0.05	78
7.28		69	112	0.93	86	34	117	0.50	84	1.4	117	< 0.05	78


12.8 S, SF, SA, SAF 57
3400 - 2800 1/min

02 959 097

i_{ges}	i_{sch}	$n_e = 3400 \text{ 1/min}$				$n_e = 3200 \text{ 1/min}$				$n_e = 2800 \text{ 1/min}$			
		n_a [1/min]	M_{amax} [Nm]	P_e [kW]	η [%]	n_a [1/min]	M_{amax} [Nm]	P_e [kW]	η [%]	n_a [1/min]	M_{amax} [Nm]	P_e [kW]	η [%]
201.00	42/1	17	270	0.75	64	16	270	0.71	63	14	270	0.63	62
184.80		18	270	0.81	64	17	270	0.77	64	15	270	0.68	63
158.12		22	270	0.93	65	20	270	0.88	65	18	270	0.78	64
137.05		25	255	1.0	66	23	270	1.0	66	20	270	0.89	65
128.10		27	245	1.0	66	25	255	1.0	66	22	270	0.94	65
110.73		31	215	1.0	67	29	230	1.0	67	25	255	1.0	66
94.08		36	184	1.0	67	34	196	1.0	67	30	225	1.1	67
84.00		40	165	1.0	67	38	175	1.0	67	33	200	1.0	67
71.75		47	139	1.0	67	45	149	1.0	67	39	174	1.1	67
67.20		51	128	1.0	66	48	139	1.0	67	42	164	1.1	67
56.61	29/2	60	103	1.0	65	57	114	1.0	66	49	138	1.1	67
69.39		49	220	1.4	81	46	220	1.3	80	40	220	1.2	80
63.80		53	220	1.5	81	50	220	1.4	81	44	220	1.3	80
54.59		62	220	1.8	81	59	220	1.7	81	51	220	1.5	81
47.32		72	210	1.9	82	68	220	1.9	82	59	220	1.7	81
44.22		77	197	1.9	82	72	205	1.9	82	63	220	1.8	81
38.23		89	174	2.0	82	84	184	2.0	82	73	205	1.9	82
32.48		105	148	2.0	82	99	157	2.0	82	86	180	2.0	82
29.00		117	131	2.0	82	110	141	2.0	82	97	162	2.0	82
24.77		137	111	1.9	82	129	120	2.0	82	113	139	2.0	82
23.20	27/5	147	102	1.9	82	138	111	2.0	82	121	131	2.0	82
19.54		174	81	1.8	81	164	90	1.9	82	143	109	2.0	82
20.33		167	160	3.2 *	89	157	160	3.0	89	138	160	2.6	88
17.62		193	140	3.2 *	89	182	149	3.2 *	89	159	160	3.0	89
16.47		206	132	3.2 *	89	194	140	3.2 *	89	170	158	3.2 *	89
14.24		239	116	3.2 *	89	225	123	3.2 *	89	197	139	3.2 *	89
12.10		281	99	3.3 *	89	264	105	3.3 *	89	231	121	3.3 *	89
10.80		315	88	3.3 *	89	296	94	3.3 *	89	259	108	3.3 *	89
9.23		368	73	3.2 *	89	347	79	3.2 *	89	303	93	3.3 *	89
8.64		394	68	3.2 *	89	370	74	3.2 *	89	324	87	3.3 *	89
7.28		467	54	3.0	88	440	60	3.1 *	89	385	72	3.2 *	89

 * $P_{emax} = 3.0 \text{ kW}$

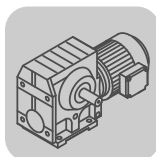


2200 - 1400 1/min

02 959 097

i_{ges}	i_{sch}	$n_e = 2200 \text{ 1/min}$				$n_e = 1700 \text{ 1/min}$				$n_e = 1400 \text{ 1/min}$			
		n_a [1/min]	M_{amax} [Nm]	P_e [kW]	η [%]	n_a [1/min]	M_{amax} [Nm]	P_e [kW]	η [%]	n_a [1/min]	M_{amax} [Nm]	P_e [kW]	η [%]
201.00	42/1	11	295	0.55	61	8.5	295	0.44	59	7.0	295	0.37	58
184.80		12	295	0.60	62	9.2	295	0.48	60	7.6	295	0.40	58
158.12		14	295	0.69	63	11	295	0.55	61	8.9	295	0.46	60
137.05		16	295	0.78	64	12	295	0.62	62	10	295	0.52	61
128.10		17	295	0.83	64	13	295	0.66	62	11	295	0.55	61
110.73		20	290	0.93	65	15	295	0.75	63	13	295	0.63	62
94.08		23	275	1.0	66	18	300	0.88	65	15	295	0.73	63
84.00		26	250	1.0	67	20	285	0.93	65	17	295	0.80	64
71.75		31	220	1.1	67	24	275	1.0	66	20	290	0.91	65
67.20		33	210	1.1	67	25	260	1.0	67	21	285	0.95	65
56.61	29/2	39	179	1.1	68	30	225	1.1	67	25	265	1.0	67
69.39		32	245	1.0	79	24	245	0.81	77	20	245	0.68	76
63.80		34	245	1.1	79	27	245	0.88	78	22	245	0.73	77
54.59		40	245	1.3	80	31	245	1.0	79	26	245	0.85	78
47.32		46	245	1.5	81	36	245	1.2	79	30	245	0.97	79
44.22		50	245	1.6	81	38	245	1.2	80	32	245	1.0	79
38.23		58	245	1.8	81	44	245	1.4	80	37	245	1.2	80
32.48		68	225	1.9	82	52	245	1.7	81	43	245	1.4	80
29.00		76	200	1.9	82	59	245	1.8	81	48	245	1.5	81
24.77		89	177	2.0	82	69	220	1.9	82	57	245	1.8	81
23.20	27/5	95	167	2.0	83	73	210	2.0	82	60	245	1.9	82
19.54		113	143	2.0	83	87	183	2.0	83	72	215	2.0	82
20.33		108	168	2.2	88	84	168	1.7	87	69	168	1.4	87
17.62		125	168	2.5	88	96	168	1.9	88	79	168	1.6	87
16.47		134	169	2.7	88	103	168	2.1	88	85	168	1.7	87
14.24		154	169	3.1 *	89	119	169	2.4	88	98	169	2.0	88
12.10		182	150	3.2 *	89	140	169	2.8	89	116	169	2.3	88
10.80		204	136	3.2 *	89	157	169	3.1 *	89	130	169	2.6	88
9.23		238	119	3.3 *	89	184	149	3.2 *	89	152	169	3.0	89
8.64		255	112	3.3 *	89	197	141	3.3 *	89	162	166	3.2 *	89
7.28		302	96	3.4 *	90	234	122	3.3 *	90	192	146	3.3 *	89

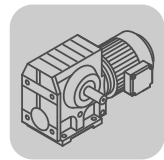
* $P_{emax} = 3.0 \text{ kW}$



1100 - 700 1/min

02 960 097

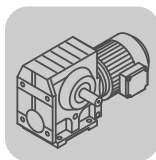
i_{ges}	i_{sch}	$n_e = 1100 \text{ 1/min}$				$n_e = 900 \text{ 1/min}$				$n_e = 700 \text{ 1/min}$			
		n_a [1/min]	M_{amax} [Nm]	P_e [kW]	η [%]	n_a [1/min]	M_{amax} [Nm]	P_e [kW]	η [%]	n_a [1/min]	M_{amax} [Nm]	P_e [kW]	η [%]
201.00	42/1	5.5	295	0.30	56	4.5	300	0.26	55	3.5	310	0.21	53
184.80		6.0	295	0.32	57	4.9	300	0.28	55	3.8	305	0.23	54
158.12		7.0	295	0.37	58	5.7	295	0.31	56	4.4	300	0.25	55
137.05		8.0	295	0.42	59	6.6	295	0.35	57	5.1	300	0.29	56
128.10		8.6	295	0.45	59	7.0	295	0.37	58	5.5	295	0.30	56
110.73		9.9	295	0.51	61	8.1	295	0.43	59	6.3	295	0.34	57
94.08		12	295	0.59	62	9.6	295	0.49	60	7.4	295	0.39	58
84.00		13	295	0.65	63	11	295	0.54	61	8.3	295	0.43	59
71.75		15	295	0.74	64	13	295	0.62	62	9.8	295	0.50	61
67.20		16	300	0.80	64	13	295	0.66	63	10	295	0.53	61
56.61	29/2	19	290	0.91	65	16	300	0.78	64	12	295	0.61	62
69.39		16	270	0.60	75	13	270	0.49	74	10	270	0.39	73
63.80		17	270	0.64	76	14	270	0.53	75	11	270	0.42	73
54.59		20	270	0.74	77	16	270	0.62	75	13	270	0.49	74
47.32		23	270	0.85	77	19	270	0.70	76	15	270	0.56	75
44.22		25	270	0.91	78	20	270	0.75	77	16	270	0.59	75
38.23		29	270	1.0	79	24	270	0.86	77	18	270	0.68	76
32.48		34	270	1.2	79	28	270	1.0	78	22	270	0.79	77
29.00		38	270	1.3	80	31	270	1.1	79	24	270	0.88	78
24.77		44	270	1.6	81	36	270	1.3	80	28	270	1.0	78
23.20	27/5	47	270	1.7	81	39	270	1.4	80	30	270	1.1	79
19.54		56	250	1.8	81	46	270	1.6	81	36	270	1.3	80
20.33		54	168	1.1	86	44	170	0.93	85	34	172	0.74	84
17.62		62	169	1.3	86	51	169	1.1	86	40	170	0.83	85
16.47		67	168	1.4	87	55	168	1.1	86	43	170	0.89	85
14.24		77	168	1.6	87	63	168	1.3	86	49	170	1.0	86
12.10		91	169	1.8	88	74	169	1.5	87	58	169	1.2	86
10.80		102	169	2.1	88	83	169	1.7	87	65	169	1.3	87
9.23		119	170	2.4	88	98	168	2.0	88	76	168	1.5	87
8.64		127	170	2.6	88	104	169	2.1	88	81	168	1.6	87
7.28		151	170	3.0	89	124	170	2.5	88	96	170	1.9	88



500 - 10 1/min

02 960 097

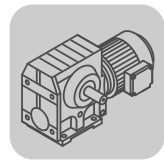
i_{ges}	i_{sch}	$n_e = 500 \text{ 1/min}$				$n_e = 250 \text{ 1/min}$				$n_e = 10 \text{ 1/min}$			
		n_a [1/min]	M_{amax} [Nm]	P_e [kW]	η [%]	n_a [1/min]	M_{amax} [Nm]	P_e [kW]	η [%]	n_a [1/min]	M_{amax} [Nm]	P_e [kW]	η [%]
201.00	42/1	2.5	330	0.17	51	1.2	330	0.09	49	0.05	330	< 0.05	42
184.80		2.7	330	0.18	51	1.4	330	0.10	49	0.05	330	< 0.05	43
158.12		3.2	315	0.20	52	1.6	330	0.11	49	0.06	330	< 0.05	44
137.05		3.6	310	0.22	53	1.8	330	0.13	50	0.07	330	< 0.05	45
128.10		3.9	305	0.23	54	2.0	330	0.14	50	0.08	330	< 0.05	46
110.73		4.5	300	0.26	55	2.3	330	0.15	51	0.09	330	< 0.05	46
94.08		5.3	300	0.30	56	2.7	330	0.18	51	0.11	330	< 0.05	47
84.00		6.0	295	0.32	57	3.0	325	0.19	52	0.12	325	< 0.05	47
71.75		7.0	295	0.37	58	3.5	310	0.21	53	0.14	310	< 0.05	48
67.20		7.4	295	0.39	58	3.7	310	0.23	54	0.15	310	< 0.05	48
56.61	29/2	8.8	295	0.46	60	4.4	300	0.25	55	0.18	300	< 0.05	48
69.39		7.2	300	0.32	71	3.6	300	0.17	68	0.14	300	< 0.05	63
63.80		7.8	300	0.34	71	3.9	300	0.18	68	0.16	300	< 0.05	64
54.59		9.2	300	0.40	72	4.6	300	0.21	69	0.18	300	< 0.05	65
47.32		11	300	0.45	73	5.3	300	0.24	70	0.21	300	< 0.05	66
44.22		11	300	0.48	74	5.7	300	0.25	70	0.23	300	< 0.05	66
38.23		13	295	0.54	74	6.5	300	0.29	71	0.26	300	< 0.05	67
32.48		15	295	0.63	75	7.7	300	0.34	71	0.31	300	< 0.05	67
29.00		17	295	0.70	76	8.6	300	0.38	72	0.34	300	< 0.05	67
24.77		20	295	0.81	77	10	300	0.43	73	0.40	300	< 0.05	68
23.20	27/5	22	295	0.86	77	11	300	0.46	73	0.43	300	< 0.05	68
19.54		26	295	1.0	78	13	295	0.53	74	0.51	295	< 0.05	68
20.33		25	181	0.56	83	12	215	0.35	80	0.49	215	< 0.05	77
17.62		28	175	0.62	83	14	210	0.39	81	0.57	210	< 0.05	77
16.47		30	174	0.66	84	15	205	0.40	81	0.61	205	< 0.05	78
14.24		35	172	0.75	84	18	198	0.45	81	0.70	198	< 0.05	78
12.10		41	170	0.87	85	21	188	0.49	82	0.83	188	< 0.05	78
10.80		46	170	0.97	85	23	184	0.54	83	0.93	184	< 0.05	78
9.23		54	170	1.1	86	27	177	0.60	83	1.1	177	< 0.05	79
8.64		58	170	1.2	86	29	175	0.64	83	1.2	175	< 0.05	79
7.28		69	170	1.4	87	34	172	0.73	84	1.4	172	< 0.05	79


12.9 S, SF, SA, SAF 67
3400 - 2800 1/min

02 961 097

i_{ges}	i_{sch}	$n_e = 3400 \text{ 1/min}$				$n_e = 3200 \text{ 1/min}$				$n_e = 2800 \text{ 1/min}$			
		n_a [1/min]	M_{amax} [Nm]	P_e [kW]	η [%]	n_a [1/min]	M_{amax} [Nm]	P_e [kW]	η [%]	n_a [1/min]	M_{amax} [Nm]	P_e [kW]	η [%]
217.41	42/1	16	465	1.2	66	15	465	1.1	66	13	465	0.96	65
190.11		18	465	1.3	67	17	465	1.2	67	15	465	1.1	66
180.60		19	465	1.4	67	18	465	1.3	67	16	465	1.1	66
158.45		21	465	1.5	68	20	465	1.5	68	18	465	1.3	67
134.40		25	465	1.8	69	24	465	1.7	68	21	465	1.5	68
121.33		28	455	1.9	69	26	465	1.9	69	23	465	1.6	68
106.75		32	405	2.0	69	30	430	2.0	69	26	465	1.9	69
100.80		34	380	1.9	69	32	410	2.0	69	28	465	2.0	69
85.83		40	320	1.9	69	37	345	1.9	69	33	400	2.0	70
78.00		44	285	1.9	69	41	310	1.9	69	36	365	2.0	70
67.57		50	235	1.8	67	47	260	1.9	68	41	315	2.0	69
58.80		58	184	1.7	65	54	215	1.8	67	48	270	1.9	69
75.06	29/2	45	435	2.5	82	43	435	2.4	82	37	435	2.1	81
65.63		52	435	2.9	82	49	435	2.7	82	43	435	2.4	82
62.35		55	435	3.0	83	51	435	2.8	82	45	435	2.5	82
54.70		62	435	3.4	83	59	435	3.2	83	51	435	2.8	83
46.40		73	395	3.6	83	69	415	3.6	83	60	435	3.3	83
41.89		81	355	3.6	83	76	380	3.6	83	67	430	3.6	83
36.85		92	310	3.6	83	87	335	3.6	84	76	380	3.6	84
34.80		98	295	3.6	83	92	315	3.6	84	80	365	3.7	84
29.63		115	250	3.6	83	108	270	3.7	83	94	310	3.7	84
26.93		126	220	3.5	83	119	240	3.6	83	104	280	3.6	84
23.33		146	182	3.4	82	137	200	3.5	83	120	245	3.7	84
20.30		167	141	3.1	81	158	164	3.3	82	138	205	3.6	83
24.44	27/5	139	315	5.1	90	131	315	4.8	90	115	315	4.2	89
23.22		146	315	5.4	90	138	315	5.1	90	121	315	4.4	90
20.37		167	315	6.1 *	90	157	315	5.8 *	90	137	315	5.0	90
17.28		197	270	6.2 *	90	185	290	6.2 *	90	162	315	5.9 *	90
15.60		218	245	6.2 *	90	205	260	6.2 *	90	179	295	6.1 *	90
13.73		248	215	6.2 *	90	233	230	6.2 *	90	204	265	6.3 *	90
12.96		262	200	6.1 *	90	247	215	6.1 *	90	216	250	6.3 *	90
11.03		308	169	6.1 *	90	290	183	6.2 *	90	254	215	6.3 *	90
10.03		339	151	6.0 *	90	319	164	6.1 *	90	279	194	6.3 *	90
8.69		391	124	5.7 *	89	368	137	5.9 *	90	322	166	6.2 *	90
7.56		450	95	5.1 *	88	423	112	5.6 *	89	370	141	6.1 *	90

 * $P_{emax} = 5.5 \text{ kW}$

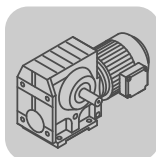


2200 - 1400 1/min

02 961 097

i_{ges}	i_{sch}	$n_e = 2200 \text{ 1/min}$				$n_e = 1700 \text{ 1/min}$				$n_e = 1400 \text{ 1/min}$			
		n_a [1/min]	M_{amax} [Nm]	P_e [kW]	η [%]	n_a [1/min]	M_{amax} [Nm]	P_e [kW]	η [%]	n_a [1/min]	M_{amax} [Nm]	P_e [kW]	η [%]
217.41	42/1	10	520	0.86	64	7.8	520	0.69	62	6.4	520	0.58	61
190.11		12	520	0.97	65	8.9	520	0.77	63	7.4	520	0.65	62
180.60		12	520	1.0	65	9.4	520	0.81	63	7.8	520	0.68	62
158.45		14	520	1.1	66	11	520	0.91	64	8.8	520	0.76	63
134.40		16	520	1.3	67	13	520	1.1	65	10	520	0.88	64
121.33		18	520	1.5	68	14	520	1.2	66	12	520	0.97	65
106.75		21	520	1.6	68	16	520	1.3	67	13	520	1.1	66
100.80		22	510	1.7	69	17	520	1.4	67	14	520	1.1	66
85.83		26	490	1.9	69	20	520	1.6	68	16	520	1.3	67
78.00		28	465	2.0	70	22	510	1.7	69	18	520	1.4	68
67.57	29/2	33	410	2.0	70	25	495	1.9	69	21	520	1.6	69
58.80		37	360	2.0	70	29	460	2.0	70	24	500	1.8	69
75.06		29	480	1.8	81	23	480	1.4	79	19	480	1.2	79
65.63		34	480	2.1	81	26	480	1.6	80	21	480	1.4	79
62.35		35	480	2.2	81	27	480	1.7	80	22	480	1.4	79
54.70		40	480	2.5	82	31	480	1.9	81	26	480	1.6	80
46.40		47	480	2.9	82	37	480	2.3	82	30	480	1.9	81
41.89		53	480	3.2	83	41	480	2.5	82	33	480	2.1	81
36.85		60	475	3.6	83	46	480	2.8	82	38	480	2.3	82
34.80		63	450	3.6	83	49	480	3.0	83	40	480	2.5	82
29.63	27/5	74	395	3.7	84	57	480	3.5	83	47	480	2.9	83
26.93		82	360	3.7	84	63	455	3.6	83	52	480	3.2	83
23.33		94	320	3.8	84	73	405	3.7	84	60	480	3.6	83
20.30		108	280	3.8	84	84	360	3.8	84	69	425	3.7	84
24.44		90	340	3.6	89	70	340	2.8	88	57	340	2.3	88
23.22		95	340	3.8	89	73	340	2.9	89	60	340	2.4	88
20.37		108	340	4.3	89	83	340	3.3	89	69	340	2.8	88
17.28		127	340	5.0	90	98	340	3.9	89	81	340	3.2	89
15.60		141	340	5.6 *	90	109	340	4.3	89	90	340	3.6	89
13.73		160	330	6.1 *	90	124	340	4.9	90	102	340	4.1	89
12.96		170	315	6.2 *	90	131	340	5.2	90	108	340	4.3	89
11.03		199	275	6.3 *	90	154	340	6.1 *	90	127	340	5.0	90
10.03		219	250	6.3 *	91	169	315	6.2 *	90	140	340	5.5	90
8.69		253	220	6.4 *	91	196	280	6.3 *	91	161	335	6.3 *	90
7.56		291	192	6.5 *	91	225	250	6.5 *	91	185	295	6.3 *	91

* $P_{emax} = 5.5 \text{ kW}$

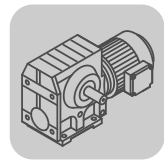


1100 - 700 1/min

02 962 097

i_{ges}	i_{sch}	$n_e = 1100 \text{ 1/min}$				$n_e = 900 \text{ 1/min}$				$n_e = 700 \text{ 1/min}$			
		n_a [1/min]	M_{amax} [Nm]	P_e [kW]	η [%]	n_a [1/min]	M_{amax} [Nm]	P_e [kW]	η [%]	n_a [1/min]	M_{amax} [Nm]	P_e [kW]	η [%]
217.41	42/1	5.1	555	0.50	59	4.1	560	0.42	58	3.2	570	0.34	56
190.11		5.8	555	0.56	60	4.7	560	0.47	59	3.7	565	0.38	57
180.60		6.1	555	0.59	61	5.0	555	0.49	59	3.9	565	0.40	57
158.45		6.9	550	0.65	62	5.7	555	0.55	60	4.4	560	0.44	58
134.40		8.2	550	0.75	63	6.7	550	0.63	61	5.2	555	0.51	60
121.33		9.1	550	0.82	63	7.4	550	0.69	62	5.8	555	0.56	60
106.75		10	550	0.92	64	8.4	550	0.77	63	6.6	555	0.62	61
100.80		11	550	0.97	65	8.9	550	0.81	63	6.9	555	0.66	62
85.83		13	550	1.1	66	10	550	0.94	64	8.2	550	0.75	63
78.00		14	550	1.2	66	12	550	1.0	65	9.0	550	0.82	63
67.57	29/2	16	550	1.4	67	13	550	1.2	66	10	550	0.93	64
58.80		19	530	1.5	68	15	550	1.3	67	12	550	1.0	65
75.06		15	525	1.0	77	12	525	0.86	76	9.3	525	0.68	75
65.63		17	525	1.2	78	14	525	0.98	77	11	525	0.77	76
62.35		18	525	1.2	78	14	525	1.0	77	11	525	0.81	76
54.70		20	525	1.4	79	16	525	1.2	78	13	525	0.92	77
46.40		24	525	1.6	80	19	525	1.4	79	15	525	1.1	78
41.89		26	525	1.8	80	21	525	1.5	79	17	525	1.2	78
36.85		30	525	2.0	81	24	525	1.7	80	19	525	1.3	79
34.80		32	525	2.1	81	26	525	1.8	80	20	525	1.4	79
29.63	27/5	37	525	2.5	82	30	525	2.1	81	24	525	1.6	80
26.93		41	525	2.7	82	33	525	2.3	81	26	525	1.8	80
23.33		47	525	3.1	83	39	525	2.6	82	30	525	2.0	81
20.30		54	520	3.5	83	44	525	3.0	82	34	525	2.3	81
24.44		45	355	1.9	87	37	360	1.6	87	29	365	1.3	86
23.22		47	355	2.0	87	39	360	1.7	87	30	365	1.3	86
20.37		54	355	2.3	88	44	355	1.9	87	34	365	1.5	86
17.28		64	355	2.7	88	52	355	2.2	88	41	360	1.8	87
15.60		71	350	2.9	88	58	355	2.4	88	45	355	1.9	87
13.73		80	350	3.3	89	66	355	2.8	88	51	355	2.2	88
12.96		85	350	3.5	89	69	350	2.9	88	54	355	2.3	88
11.03		100	350	4.1	89	82	350	3.4	89	63	355	2.7	88
10.03		110	345	4.4	90	90	350	3.7	89	70	355	2.9	88
8.69		127	345	5.1	90	104	350	4.2	89	81	350	3.3	89
7.56		146	345	5.8 *	90	119	345	4.8	90	93	350	3.8	89

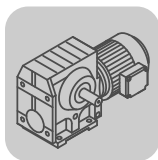
* $P_{emax} = 5.5 \text{ kW}$



500 - 10 1/min

02 962 097

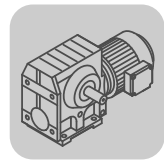
i_{ges}	i_{sch}	$n_e = 500 \text{ 1/min}$				$n_e = 250 \text{ 1/min}$				$n_e = 10 \text{ 1/min}$			
		n_a [1/min]	M_{amax} [Nm]	P_e [kW]	η [%]	n_a [1/min]	M_{amax} [Nm]	P_e [kW]	η [%]	n_a [1/min]	M_{amax} [Nm]	P_e [kW]	η [%]
217.41	42/1	2.3	570	0.25	54	1.1	570	0.13	51	0.05	570	< 0.05	47
190.11		2.6	570	0.29	55	1.3	570	0.15	51	0.05	570	< 0.05	48
180.60		2.8	570	0.30	55	1.4	570	0.16	51	0.06	570	< 0.05	48
158.45		3.2	570	0.34	56	1.6	570	0.18	52	0.06	570	< 0.05	49
134.40		3.7	565	0.38	57	1.9	570	0.21	53	0.07	570	< 0.05	50
121.33		4.1	560	0.42	58	2.1	570	0.23	53	0.08	570	< 0.05	50
106.75		4.7	560	0.47	59	2.3	570	0.26	54	0.09	570	< 0.05	50
100.80		5.0	560	0.49	59	2.5	570	0.27	55	0.10	570	< 0.05	50
85.83		5.8	555	0.56	60	2.9	570	0.31	56	0.12	570	< 0.05	51
78.00		6.4	555	0.61	61	3.2	570	0.34	56	0.13	570	< 0.05	51
67.57	29/2	7.4	555	0.69	62	3.7	565	0.38	57	0.15	565	< 0.05	51
58.80		8.5	550	0.78	63	4.3	560	0.43	58	0.17	560	< 0.05	51
75.06		6.7	570	0.54	73	3.3	570	0.28	70	0.13	570	< 0.05	68
65.63		7.6	570	0.61	74	3.8	570	0.32	71	0.15	570	< 0.05	68
62.35		8.0	570	0.64	74	4.0	570	0.34	71	0.16	570	< 0.05	69
54.70		9.1	570	0.73	75	4.6	570	0.38	71	0.18	570	< 0.05	69
46.40		11	570	0.85	76	5.4	570	0.44	72	0.22	570	< 0.05	69
41.89		12	570	0.93	76	6.0	570	0.49	73	0.24	570	< 0.05	69
36.85		14	570	1.1	77	6.8	570	0.55	73	0.27	570	< 0.05	69
34.80		14	570	1.1	77	7.2	570	0.58	74	0.29	570	< 0.05	69
29.63	27/5	17	565	1.3	78	8.4	570	0.68	75	0.34	570	< 0.05	70
26.93		19	565	1.4	79	9.3	570	0.74	75	0.37	570	< 0.05	70
23.33		21	565	1.6	79	11	570	0.84	76	0.43	570	< 0.05	70
20.30		25	565	1.8	80	12	570	0.96	77	0.49	570	< 0.05	70
24.44		20	365	0.93	85	10	355	0.46	82	0.41	355	0.019	80
23.22		22	365	0.97	85	11	355	0.49	82	0.43	355	< 0.05	80
20.37		25	380	1.1	85	12	365	0.57	83	0.49	365	< 0.05	80
17.28		29	365	1.3	86	14	435	0.79	83	0.58	435	< 0.05	81
15.60		32	365	1.4	86	16	430	0.86	84	0.64	430	< 0.05	81
13.73		36	365	1.6	87	18	415	0.94	84	0.73	415	< 0.05	81
12.96		39	360	1.7	87	19	410	0.98	84	0.77	410	< 0.05	81
11.03		45	355	1.9	87	23	390	1.1	85	0.91	390	< 0.05	81
10.03		50	355	2.1	88	25	380	1.2	85	1.0	380	< 0.05	81
8.69		58	355	2.4	88	29	370	1.3	86	1.2	370	0.06	81
7.56		66	355	2.8	88	33	365	1.5	86	1.3	365	0.06	81


12.10 S, SF, SA, SAF 77
3400 - 2800 1/min

02 963 097

i_{ges}	i_{sch}	$n_e = 3400 \text{ 1/min}$				$n_e = 3200 \text{ 1/min}$				$n_e = 2800 \text{ 1/min}$			
		n_a [1/min]	M_{amax} [Nm]	P_e [kW]	η [%]	n_a [1/min]	M_{amax} [Nm]	P_e [kW]	η [%]	n_a [1/min]	M_{amax} [Nm]	P_e [kW]	η [%]
256.47	40/1	13	1160	2.3	71	12	1160	2.1	71	11	1160	1.9	70
225.26		15	1130	2.5	72	14	1150	2.4	71	12	1160	2.1	71
214.00		16	1110	2.6	72	15	1140	2.5	71	13	1160	2.2	71
189.09		18	1080	2.8	72	17	1100	2.7	72	15	1140	2.5	71
161.60		21	1040	3.1	73	20	1050	3.0	73	17	1090	2.7	72
148.15		23	1010	3.3	73	22	1030	3.2	73	19	1070	2.9	73
130.00		26	970	3.6	74	25	990	3.5	74	22	1030	3.2	73
123.20		28	950	3.7	74	26	970	3.6	74	23	1010	3.3	73
107.83		32	900	4.0	74	30	920	3.9	74	26	970	3.6	74
97.14		35	860	4.2	75	33	880	4.1	74	29	930	3.8	74
85.22		40	770	4.3	75	38	820	4.3	75	33	880	4.1	75
75.20		45	675	4.3	74	43	725	4.3	75	37	830	4.3	75
66.67	40/3	51	585	4.2	74	48	635	4.3	75	42	745	4.4	75
56.92		60	485	4.1	73	56	530	4.2	74	49	635	4.4	75
75.09		45	1020	5.6	86	43	1020	5.3	86	37	1020	4.6	86
71.33		48	1020	5.9	87	45	1020	5.5	86	39	1020	4.9	86
63.03		54	1020	6.6	87	51	1020	6.2	87	44	1020	5.5	86
53.87		63	980	7.4	87	59	1000	7.1	87	52	1020	6.4	87
49.38		69	950	7.8	87	65	970	7.5	87	57	1010	6.9	87
43.33		78	910	8.5	88	74	930	8.2	88	65	970	7.5	87
41.07		83	900	8.9	88	78	910	8.5	88	68	950	7.8	87
35.94		95	800	9.0	88	89	850	9.0	88	78	910	8.5	88
32.38		105	725	9.1	88	99	770	9.1	88	86	880	9.1	88
28.41		120	635	9.1	88	113	680	9.1	88	99	780	9.1	88
25.07	34/6	136	560	9.1	88	128	600	9.1	88	112	695	9.2	88
22.22		153	485	8.9	88	144	525	9.0	88	126	615	9.2	88
18.97		179	395	8.5	87	169	440	8.9	88	148	520	9.1	88
22.89		149	590	10.0 *	91	140	590	9.5	91	122	590	8.3	91
20.99		162	590	10.9 *	92	152	590	10.3 *	92	133	590	9.0	91
18.42		185	590	12.4 *	92	174	590	11.7 *	92	152	590	10.3 *	92
17.45		195	590	13.1 *	92	183	590	12.4 *	92	160	590	10.8 *	92
15.28		223	530	13.5 *	92	209	560	13.4 *	92	183	590	12.3 *	92
13.76		247	480	13.5 *	92	233	505	13.4 *	92	203	585	13.6 *	92
12.07		282	415	13.3 *	92	265	445	13.4 *	92	232	515	13.6 *	92
10.65		319	365	13.3 *	92	300	390	13.4 *	92	263	455	13.6 *	92
9.44		360	315	13.0 *	92	339	345	13.3 *	92	297	405	13.7 *	92
8.06		422	260	12.6 *	91	397	285	12.9 *	92	347	340	13.5 *	92

 * $P_{emax} = 9.2 \text{ kW}$

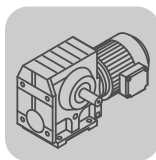


2200 - 1400 1/min

02 963 097

i_{ges}	i_{sch}	$n_e = 2200 \text{ 1/min}$				$n_e = 1700 \text{ 1/min}$				$n_e = 1400 \text{ 1/min}$			
		n_a [1/min]	M_{amax} [Nm]	P_e [kW]	η [%]	n_a [1/min]	M_{amax} [Nm]	P_e [kW]	η [%]	n_a [1/min]	M_{amax} [Nm]	P_e [kW]	η [%]
256.47	40/1	8.6	1260	1.6	69	6.6	1270	1.3	67	5.5	1270	1.1	66
225.26		9.8	1230	1.8	69	7.5	1270	1.5	68	6.2	1270	1.2	67
214.00		10	1220	1.9	70	7.9	1270	1.6	68	6.5	1270	1.3	67
189.09		12	1200	2.1	70	9.0	1240	1.7	69	7.4	1270	1.5	68
161.60		14	1160	2.3	71	11	1220	1.9	70	8.7	1260	1.7	69
148.15		15	1140	2.5	72	11	1200	2.1	70	9.4	1240	1.8	69
130.00		17	1100	2.7	72	13	1170	2.3	71	11	1210	1.9	70
123.20		18	1080	2.8	73	14	1150	2.3	71	11	1200	2.0	70
107.83		20	1040	3.0	73	16	1110	2.5	72	13	1170	2.2	71
97.14		23	1010	3.3	74	18	1090	2.8	73	14	1140	2.4	72
85.22	40/3	26	970	3.5	74	20	1050	3.0	73	16	1100	2.6	72
75.20		29	920	3.8	74	23	1010	3.2	74	19	1070	2.9	73
66.67		33	880	4.1	75	25	970	3.5	74	21	1040	3.1	73
56.92		39	830	4.5	75	30	920	3.9	75	25	990	3.4	74
75.09		29	1100	4.0	85	23	1100	3.1	84	19	1100	2.6	83
71.33		31	1100	4.2	85	24	1100	3.2	85	20	1100	2.7	84
63.03		35	1100	4.7	86	27	1100	3.7	85	22	1100	3.0	84
53.87		41	1100	5.5	86	32	1100	4.3	86	26	1100	3.5	85
49.38		45	1080	5.8	87	34	1100	4.6	86	28	1100	3.8	85
43.33		51	1050	6.4	87	39	1100	5.2	86	32	1100	4.3	86
41.07	34/6	54	1030	6.6	87	41	1100	5.5	86	34	1100	4.6	86
35.94		61	980	7.2	87	47	1060	6.1	87	39	1100	5.2	86
32.38		68	960	7.8	88	53	1040	6.6	87	43	1090	5.7	87
28.41		77	920	8.5	88	60	990	7.1	87	49	1050	6.2	87
25.07		88	870	9.1	88	68	960	7.8	88	56	1020	6.8	87
22.22		99	790	9.3	88	77	920	8.4	88	63	980	7.4	87
18.97		116	680	9.4	88	90	860	9.2	88	74	930	8.2	88
22.89		96	710	7.9	91	74	705	6.1	90	61	705	5.0	90
20.99		105	710	8.6	91	81	705	6.6	91	67	705	5.5	90
18.42		119	720	9.9	91	92	710	7.6	91	76	705	6.2	90
17.45	34/6	126	720	10.4 *	91	97	710	8.0	91	80	710	6.6	91
15.28		144	720	11.9 *	92	111	720	9.2	91	92	710	7.5	91
13.76		160	725	13.2 *	92	124	720	10.2 *	91	102	710	8.3	91
12.07		182	650	13.5 *	92	141	725	11.7 *	92	116	720	9.6 *	91
10.65		207	580	13.6 *	92	160	725	13.2 *	92	131	720	10.8 *	92
9.44		233	520	13.8 *	92	180	655	13.4 *	92	148	725	12.3 *	92
8.06		273	445	13.8 *	92	211	575	13.8 *	92	174	680	13.5 *	92

* $P_{emax} = 9.2 \text{ kW}$

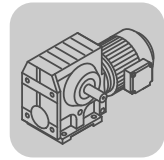


1100 - 700 1/min

02 964 097

i_{ges}	i_{sch}	$n_e = 1100 \text{ 1/min}$				$n_e = 900 \text{ 1/min}$				$n_e = 700 \text{ 1/min}$			
		n_a [1/min]	M_{amax} [Nm]	P_e [kW]	η [%]	n_a [1/min]	M_{amax} [Nm]	P_e [kW]	η [%]	n_a [1/min]	M_{amax} [Nm]	P_e [kW]	η [%]
256.47	40/1	4.3	1270	0.89	64	3.5	1270	0.75	63	2.7	1270	0.60	61
225.26		4.9	1270	1.0	65	4.0	1270	0.84	63	3.1	1270	0.67	62
214.00		5.1	1270	1.0	65	4.2	1270	0.88	64	3.3	1270	0.70	62
189.09		5.8	1270	1.2	66	4.8	1270	0.98	65	3.7	1270	0.78	63
161.60		6.8	1270	1.3	67	5.6	1270	1.1	66	4.3	1270	0.90	64
148.15		7.4	1270	1.5	68	6.1	1270	1.2	66	4.7	1270	0.97	65
130.00		8.5	1260	1.6	69	6.9	1270	1.4	67	5.4	1270	1.1	66
123.20		8.9	1250	1.7	69	7.3	1270	1.4	68	5.7	1270	1.1	66
107.83		10	1220	1.9	70	8.3	1260	1.6	69	6.5	1270	1.3	67
97.14		11	1200	2.0	70	9.3	1250	1.8	69	7.2	1270	1.4	68
85.22		13	1170	2.2	71	11	1220	1.9	70	8.2	1270	1.6	69
75.20		15	1140	2.4	72	12	1190	2.1	71	9.3	1250	1.8	69
66.67		16	1110	2.6	72	13	1160	2.3	71	10	1220	1.9	70
56.92		19	1060	2.9	73	16	1120	2.6	72	12	1190	2.2	71
75.09	40/3	15	1120	2.1	83	12	1130	1.7	82	9.3	1170	1.4	81
71.33		15	1120	2.2	83	13	1130	1.8	82	9.8	1120	1.4	81
63.03		17	1120	2.5	83	14	1120	2.0	82	11	1130	1.6	81
53.87		20	1120	2.9	84	17	1120	2.4	83	13	1120	1.9	82
49.38		22	1120	3.1	84	18	1120	2.6	83	14	1120	2.0	82
43.33		25	1130	3.5	85	21	1120	2.9	84	16	1120	2.3	83
41.07		27	1130	3.7	85	22	1120	3.1	84	17	1120	2.4	83
35.94		31	1150	4.3	85	25	1130	3.5	85	19	1120	2.7	84
32.38		34	1130	4.7	86	28	1130	3.9	85	22	1120	3.0	84
28.41		39	1110	5.2	86	32	1150	4.5	86	25	1130	3.4	85
25.07		44	1080	5.7	87	36	1120	4.9	86	28	1130	3.9	85
22.22		50	1050	6.3	87	41	1100	5.4	86	32	1150	4.4	86
18.97		58	1010	7.0	87	47	1060	6.1	87	37	1120	5.0	86
22.89	34/6	48	695	3.9	89	39	695	3.2	89	31	705	2.6	88
20.99		52	705	4.3	90	43	695	3.5	89	33	705	2.8	88
18.42		60	700	4.9	90	49	700	4.0	89	38	700	3.1	89
17.45		63	700	5.1	90	52	700	4.2	90	40	700	3.3	89
15.28		72	710	5.9	90	59	700	4.8	90	46	700	3.8	89
13.76		80	710	6.6	91	65	700	5.3	90	51	700	4.2	90
12.07		91	710	7.5	91	75	710	6.1	90	58	700	4.7	90
10.65		103	715	8.5	91	85	710	6.9	91	66	710	5.4	90
9.44		117	720	9.6 *	91	95	715	7.8	91	74	710	6.1	90
8.06		136	725	11.3 *	92	112	720	9.2	91	87	710	7.1	91

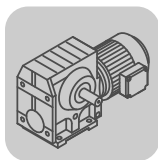
* $P_{emax} = 9.2 \text{ kW}$



500 - 10 1/min

02 964 097

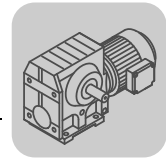
i_{ges}	i_{sch}	$n_e = 500 \text{ 1/min}$				$n_e = 250 \text{ 1/min}$				$n_e = 10 \text{ 1/min}$			
		n_a [1/min]	M_{amax} [Nm]	P_e [kW]	η [%]	n_a [1/min]	M_{amax} [Nm]	P_e [kW]	η [%]	n_a [1/min]	M_{amax} [Nm]	P_e [kW]	η [%]
256.47	40/1	1.9	1270	0.44	59	0.97	1270	0.23	56	0.04	1270	< 0.05	54
225.26		2.2	1270	0.49	60	1.1	1270	0.26	56	0.04	1270	< 0.05	55
214.00		2.3	1270	0.52	60	1.2	1270	0.28	56	0.05	1270	< 0.05	55
189.09		2.6	1270	0.58	61	1.3	1270	0.31	57	0.05	1270	< 0.05	55
161.60		3.1	1270	0.67	62	1.5	1270	0.36	58	0.06	1270	< 0.05	55
148.15		3.4	1270	0.72	62	1.7	1270	0.39	58	0.07	1270	< 0.05	55
130.00		3.8	1270	0.81	63	1.9	1270	0.43	59	0.08	1270	< 0.05	55
123.20		4.1	1270	0.85	64	2.0	1270	0.46	59	0.08	1270	< 0.05	55
107.83		4.6	1270	0.95	65	2.3	1270	0.51	60	0.09	1270	< 0.05	56
97.14		5.1	1270	1.0	65	2.6	1270	0.56	61	0.10	1270	< 0.05	56
85.22		5.9	1270	1.2	66	2.9	1270	0.63	62	0.12	1270	< 0.05	56
75.20		6.6	1270	1.3	67	3.3	1270	0.71	62	0.13	1270	< 0.05	56
66.67		7.5	1270	1.5	68	3.7	1270	0.79	63	0.15	1270	< 0.05	56
56.92		8.8	1260	1.7	69	4.4	1270	0.91	64	0.18	1270	< 0.05	56
75.09		6.7	1160	1.0	79	3.3	1120	0.51	76	0.13	1120	< 0.05	75
71.33	40/3	7.0	1110	1.0	79	3.5	1060	0.51	77	0.14	1060	< 0.05	75
63.03		7.9	1230	1.3	80	4.0	1200	0.65	77	0.16	1200	< 0.05	76
53.87		9.3	1180	1.4	81	4.6	1240	0.77	78	0.19	1240	< 0.05	76
49.38		10	1160	1.5	81	5.1	1240	0.84	78	0.20	1240	< 0.05	76
43.33		12	1120	1.7	82	5.8	1240	0.95	79	0.23	1240	< 0.05	76
41.07		12	1120	1.7	82	6.1	1240	1.0	79	0.24	1240	< 0.05	76
35.94		14	1120	2.0	82	7.0	1240	1.1	79	0.28	1240	< 0.05	76
32.38		15	1120	2.2	83	7.7	1240	1.3	80	0.31	1240	0.05	76
28.41		18	1120	2.5	83	8.8	1190	1.4	80	0.35	1190	0.06	76
25.07		20	1120	2.8	84	10	1170	1.5	81	0.40	1170	0.06	76
22.22		23	1130	3.2	84	11	1130	1.6	81	0.45	1130	0.07	76
18.97		26	1130	3.7	85	13	1120	1.9	82	0.53	1120	0.08	76
22.89	34/6	22	690	1.8	87	11	675	0.91	85	0.44	675	< 0.05	83
20.99		24	725	2.1	87	12	740	1.1	85	0.48	740	< 0.05	83
18.42		27	705	2.3	88	14	830	1.4	86	0.54	830	0.06	83
17.45		29	705	2.4	88	14	810	1.4	86	0.57	810	0.06	83
15.28		33	705	2.7	88	16	785	1.6	86	0.65	785	0.06	83
13.76		36	695	3.0	89	18	770	1.7	87	0.73	770	0.07	83
12.07		41	695	3.4	89	21	750	1.9	87	0.83	750	0.08	83
10.65		47	695	3.8	89	23	725	2.0	87	0.94	725	0.09	83
9.44		53	705	4.4	90	26	705	2.2	88	1.1	705	0.09	83
8.06		62	705	5.1	90	31	705	2.6	88	1.2	705	0.11	83


12.11 S, SF, SA, SAF 87
3400 - 2800 1/min

02 965 097

i_{ges}	i_{sch}	$n_e = 3400 \text{ 1/min}$				$n_e = 3200 \text{ 1/min}$				$n_e = 2800 \text{ 1/min}$			
		n_a [1/min]	M_{amax} [Nm]	P_e [kW]	η [%]	n_a [1/min]	M_{amax} [Nm]	P_e [kW]	η [%]	n_a [1/min]	M_{amax} [Nm]	P_e [kW]	η [%]
288.00	40/1	12	2030	3.4	74	11	2070	3.3	73	9.7	2070	2.9	73
258.18		13	1990	3.7	74	12	2010	3.5	74	11	2070	3.2	73
222.40		15	1910	4.1	75	14	1950	4.0	74	13	2010	3.6	74
202.96		17	1850	4.3	75	16	1890	4.2	75	14	1970	3.8	74
180.00		19	1800	4.7	75	18	1830	4.5	75	16	1910	4.2	75
151.30		22	1690	5.3	75	21	1730	5.1	75	19	1800	4.6	75
139.05		24	1630	5.5	76	23	1680	5.4	76	20	1760	4.9	75
123.48		28	1570	6.0	76	26	1600	5.7	76	23	1690	5.3	76
110.40		31	1430	6.1	76	29	1540	6.2	76	25	1620	5.7	76
99.26		34	1260	6.0	75	32	1380	6.2	76	28	1550	6.0	76
86.15		39	1030	5.8	74	37	1150	6.0	75	33	1390	6.2	76
77.14		44	830	5.3	72	41	970	5.7	74	36	1220	6.1	76
64.00	38/3	53	500	4.3	65	50	620	4.7	68	44	960	5.9	75
91.20		37	1470	6.6	88	35	1470	6.2	87	31	1470	5.4	87
81.76		42	1470	7.3	88	39	1470	6.9	88	34	1470	6.0	87
70.43		48	1470	8.4	88	45	1470	7.9	88	40	1470	7.0	88
64.27		53	1470	9.2	88	50	1470	8.7	88	44	1470	7.6	88
57.00		60	1470	10.4	88	56	1470	9.8	88	49	1470	8.6	88
47.91		71	1470	12.3	89	67	1470	11.6	89	58	1470	10.2	88
44.03		77	1470	13.4	89	73	1470	12.6	89	64	1470	11.0	89
39.10		87	1300	13.3	89	82	1400	13.5	89	72	1470	12.4	89
34.96		97	1140	13.1	89	92	1240	13.4	89	80	1440	13.6	89
31.43		108	1000	12.8	88	102	1090	13.1	89	89	1290	13.5	89
27.28		125	810	12.1	88	117	910	12.7	88	103	1110	13.4	89
24.43	34/6	139	660	11.1	87	131	775	12.1	88	115	960	13.0	89
20.27		168	395	8.4	82	158	490	9.6	84	138	755	12.4	88
25.50		133	990	15.0	92	125	990	14.1	92	110	990	12.4	92
21.43		159	990	17.8 *	92	149	990	16.8 *	92	131	990	14.7	92
19.70		173	990	19 *	92	162	990	18.3 *	92	142	990	16.0 *	92
17.49		194	870	19 *	92	183	930	19 *	92	160	990	18.0 *	92
15.64		217	760	19 *	92	205	830	19 *	92	179	960	19 *	92
14.06		242	660	18.2 *	92	228	725	19 *	92	199	860	19 *	92
12.21	34/6	278	540	17.2 *	91	262	605	18.1 *	92	229	730	19 *	92
10.93		311	440	15. *8	90	293	510	17.1 *	91	256	645	19 *	92
9.07		375	255	11.5	87	353	325	13.5	89	309	500	17.7 *	92
7.88		431	200	10.5	86	406	230	11.3	87	355	375	15.5 *	90

 * $P_{emax} = 15 \text{ kW}$

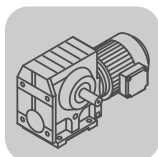


2200 - 1400 1/min

02 965 097

i_{ges}	i_{sch}	$n_e = 2200 \text{ 1/min}$				$n_e = 1700 \text{ 1/min}$				$n_e = 1400 \text{ 1/min}$			
		n_a [1/min]	M_{amax} [Nm]	P_e [kW]	η [%]	n_a [1/min]	M_{amax} [Nm]	P_e [kW]	η [%]	n_a [1/min]	M_{amax} [Nm]	P_e [kW]	η [%]
288.00	40/1	7.6	2210	2.5	71	5.9	2280	2.0	70	4.9	2280	1.7	69
258.18		8.5	2170	2.7	72	6.6	2260	2.2	71	5.4	2280	1.9	69
222.40		9.9	2130	3.0	73	7.6	2210	2.5	71	6.3	2280	2.1	70
202.96		11	2080	3.2	73	8.4	2190	2.7	72	6.9	2260	2.3	71
180.00		12	2020	3.5	74	9.4	2130	2.9	73	7.8	2210	2.5	72
151.30		15	1940	4.0	75	11	2060	3.3	74	9.3	2150	2.9	73
139.05		16	1880	4.2	75	12	2020	3.5	74	10	2100	3.0	73
123.48		18	1820	4.5	75	14	1960	3.8	74	11	2060	3.3	74
110.40		20	1770	4.9	76	15	1900	4.1	75	13	2000	3.6	74
99.26		22	1700	5.2	76	17	1840	4.4	75	14	1960	3.9	75
86.15	38/3	26	1620	5.7	76	20	1770	4.8	76	16	1880	4.3	75
77.14		29	1540	6.0	76	22	1700	5.2	76	18	1820	4.6	76
64.00		34	1360	6.4	77	27	1580	5.7	77	22	1700	5.1	76
91.20		24	1540	4.5	87	19	1520	3.5	86	15	1510	2.9	85
81.76		27	1600	5.2	87	21	1600	4.0	86	17	1600	3.4	86
70.43		31	1600	6.0	87	24	1600	4.7	87	20	1600	3.9	86
64.27		34	1600	6.6	88	26	1600	5.1	87	22	1600	4.2	86
57.00		39	1600	7.4	88	30	1600	5.7	87	25	1600	4.8	87
47.91		46	1600	8.7	88	35	1600	6.8	88	29	1600	5.6	87
44.03		50	1600	9.5	88	39	1600	7.4	88	32	1600	6.1	87
39.10	34/6	56	1600	10.6	89	43	1600	8.3	88	36	1600	6.8	88
34.96		63	1600	11.9	89	49	1600	9.2	88	40	1600	7.6	88
31.43		70	1600	13.2	89	54	1600	10.2	89	45	1600	8.5	88
27.28		81	1450	13.7	89	62	1600	11.7	89	51	1600	9.7	89
24.43		90	1310	13.8	89	70	1600	13.1	89	57	1600	10.8	89
20.27		109	1080	13.8	89	84	1420	14.0	89	69	1600	13.0	89
25.50		86	1240	12.2	92	67	1240	9.5	91	55	1240	7.8	91
21.43		103	1240	14.5	92	79	1240	11.2	92	65	1240	9.3	91
19.70		112	1240	15.7 *	92	86	1240	12.2	92	71	1240	10.1	91
17.49		126	1240	17.7 *	92	97	1240	13.7	92	80	1240	11.3	92
15.64		141	1230	20 *	92	109	1240	15.3 *	92	90	1240	12.7	92
14.06		156	1110	20 *	92	121	1240	17.0 *	92	100	1240	14.1	92
12.21		180	970	20 *	93	139	1240	20 *	92	115	1240	16.1 *	92
10.93		201	870	20 *	93	156	1130	20 *	93	128	1240	18.0 *	92
9.07		243	720	20 *	92	187	950	20 *	93	154	1140	20 *	93
7.88		279	605	19 *	92	216	830	20 *	93	178	1010	20 *	93

* $P_{emax} = 15 \text{ kW}$

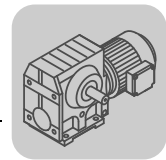


1100 - 700 1/min

02 966 097

i_{ges}	i_{sch}	$n_e = 1100 \text{ 1/min}$				$n_e = 900 \text{ 1/min}$				$n_e = 700 \text{ 1/min}$			
		n_a [1/min]	M_{amax} [Nm]	P_e [kW]	η [%]	n_a [1/min]	M_{amax} [Nm]	P_e [kW]	η [%]	n_a [1/min]	M_{amax} [Nm]	P_e [kW]	η [%]
288.00	40/1	3.8	2400	1.4	67	3.1	2450	1.2	66	2.4	2480	0.98	64
258.18		4.3	2380	1.6	68	3.5	2430	1.3	67	2.7	2470	1.1	65
222.40		4.9	2350	1.8	69	4.0	2400	1.5	68	3.1	2450	1.2	66
202.96		5.4	2330	1.9	70	4.4	2380	1.6	68	3.4	2430	1.3	67
180.00		6.1	2280	2.1	70	5.0	2350	1.8	69	3.9	2400	1.4	68
151.30		7.3	2240	2.4	71	5.9	2310	2.0	70	4.6	2350	1.7	69
139.05		7.9	2190	2.5	72	6.5	2260	2.2	71	5.0	2330	1.8	69
123.48		8.9	2150	2.8	73	7.3	2240	2.4	71	5.7	2310	2.0	70
110.40		10	2110	3.0	73	8.2	2190	2.6	72	6.3	2280	2.1	71
99.26		11	2070	3.3	74	9.1	2150	2.8	73	7.1	2240	2.3	71
86.15	38/3	13	2000	3.6	74	10	2090	3.1	73	8.1	2190	2.6	72
77.14		14	1940	3.9	75	12	2040	3.4	74	9.1	2150	2.8	73
64.00		17	1840	4.4	76	14	1960	3.9	75	11	2070	3.2	74
91.20		12	1490	2.2	84	9.9	1480	1.8	83	7.7	1460	1.4	82
81.76		13	1760	2.9	85	11	1760	2.4	84	8.6	1760	1.9	83
70.43		16	1760	3.4	85	13	1760	2.8	85	9.9	1760	2.2	83
64.27		17	1760	3.7	86	14	1760	3.0	85	11	1760	2.4	84
57.00		19	1760	4.1	86	16	1760	3.4	85	12	1760	2.7	84
47.91		23	1760	4.9	87	19	1760	4.0	86	15	1760	3.2	85
44.03		25	1760	5.3	87	20	1760	4.4	86	16	1760	3.4	85
39.10	34/6	28	1760	6.0	87	23	1760	4.9	87	18	1760	3.9	86
34.96		31	1760	6.6	88	26	1760	5.5	87	20	1760	4.3	86
31.43		35	1760	7.4	88	29	1760	6.1	87	22	1760	4.7	87
27.28		40	1760	8.4	88	33	1760	6.9	88	26	1760	5.4	87
24.43		45	1760	9.4	88	37	1760	7.7	88	29	1760	6.0	87
20.27		54	1760	11.3	89	44	1760	9.3	88	35	1760	7.2	88
25.50		43	1340	6.7	90	35	1340	5.5	90	27	1340	4.3	89
21.43		51	1340	7.9	91	42	1340	6.5	90	33	1340	5.1	90
19.70		56	1340	8.6	91	46	1340	7.1	91	36	1340	5.5	90
17.49		63	1340	9.7	91	51	1340	7.9	91	40	1340	6.2	90
15.64		70	1340	10.8	92	58	1340	8.9	91	45	1340	6.9	91
14.06		78	1340	12.0	92	64	1340	9.8	91	50	1340	7.7	91
12.21		90	1340	13.8	92	74	1340	11.3	92	57	1340	8.8	91
10.93		101	1340	15.3 *	92	82	1340	12.6	92	64	1340	9.8	91
9.07		121	1340	18.4 *	92	99	1340	15.1 *	92	77	1340	11.8	92
7.88		140	1260	20 *	93	114	1340	17.4 *	92	89	1340	13.6	92

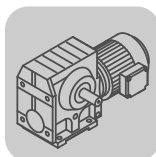
* $P_{emax} = 15 \text{ kW}$



500 - 10 1/min

02 966 097

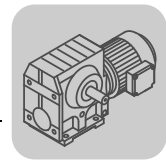
i_{ges}	i_{sch}	$n_e = 500 \text{ 1/min}$				$n_e = 250 \text{ 1/min}$				$n_e = 10 \text{ 1/min}$			
		n_a [1/min]	M_{amax} [Nm]	P_e [kW]	η [%]	n_a [1/min]	M_{amax} [Nm]	P_e [kW]	η [%]	n_a [1/min]	M_{amax} [Nm]	P_e [kW]	η [%]
288.00	40/1	1.7	2500	0.73	62	0.87	2500	0.38	59	0.03	2500	< 0.05	58
258.18		1.9	2500	0.80	63	0.97	2500	0.43	59	0.04	2500	< 0.05	58
222.40		2.2	2500	0.92	64	1.1	2500	0.49	60	0.04	2500	< 0.05	59
202.96		2.5	2480	0.99	64	1.2	2500	0.53	61	0.05	2500	< 0.05	59
180.00		2.8	2480	1.1	65	1.4	2500	0.60	61	0.06	2500	< 0.05	59
151.30		3.3	2430	1.3	67	1.7	2500	0.70	62	0.07	2500	< 0.05	59
139.05		3.6	2430	1.4	67	1.8	2500	0.75	63	0.07	2500	< 0.05	59
123.48		4.0	2400	1.5	68	2.0	2500	0.84	63	0.08	2500	< 0.05	59
110.40		4.5	2380	1.6	69	2.3	2500	0.93	64	0.09	2500	< 0.05	59
99.26		5.0	2330	1.8	69	2.5	2470	1.0	65	0.10	2470	< 0.05	59
86.15		5.8	2310	2.0	70	2.9	2450	1.1	66	0.12	2450	0.05	59
77.14		6.5	2260	2.2	71	3.2	2430	1.2	66	0.13	2430	0.06	59
64.00	38/3	7.8	2220	2.5	72	3.9	2400	1.5	68	0.16	2400	0.07	59
91.20		5.5	1450	1.0	81	2.7	1390	0.51	79	0.11	1390	< 0.05	78
81.76		6.1	1960	1.5	82	3.1	1880	0.76	79	0.12	1880	< 0.05	78
70.43		7.1	1980	1.8	82	3.5	1980	0.92	80	0.14	1980	< 0.05	79
64.27		7.8	1980	2.0	83	3.9	1980	1.0	80	0.16	1980	< 0.05	79
57.00		8.8	1980	2.2	83	4.4	1980	1.1	80	0.18	1980	< 0.05	79
47.91		10	1980	2.6	84	5.2	1980	1.3	81	0.21	1980	0.06	79
44.03		11	1980	2.8	84	5.7	1980	1.4	81	0.23	1980	0.06	79
39.10		13	1980	3.1	85	6.4	1980	1.6	82	0.26	1980	0.07	79
34.96		14	1980	3.5	85	7.2	1980	1.8	82	0.29	1980	0.08	79
31.43		16	1980	3.9	85	8.0	1980	2.0	83	0.32	1980	0.08	79
27.28		18	1980	4.4	86	9.2	1980	2.3	83	0.37	1980	0.10	79
24.43	34/6	20	1980	4.9	86	10	1980	2.5	84	0.41	1980	0.11	79
20.27		25	1980	5.9	87	12	1980	3.0	85	0.49	1980	0.13	79
25.50		20	1430	3.3	88	9.8	1390	1.6	87	0.39	1390	0.07	85
21.43		23	1420	3.9	89	12	1510	2.1	87	0.47	1510	0.09	85
19.70		25	1410	4.2	89	13	1570	2.4	87	0.51	1570	0.10	85
17.49		29	1390	4.6	89	14	1570	2.7	88	0.57	1570	0.11	85
15.64		32	1390	5.2	90	16	1540	2.9	88	0.64	1540	0.12	85
14.06		36	1390	5.7	90	18	1510	3.2	88	0.71	1510	0.13	85
12.21		41	1390	6.6	90	20	1460	3.5	89	0.82	1460	0.15	85
10.93		46	1390	7.3	91	23	1430	3.9	89	0.91	1430	0.16	85
9.07		55	1410	8.9	91	28	1390	4.5	89	1.1	1390	0.19	85
7.88		63	1410	10.3	91	32	1390	5.1	90	1.3	1390	0.22	85


12.12 S, SF, SA, SAF 97
3400 - 2800 1/min

02 967 097

i_{ges}	i_{sch}	$n_e = 3400 \text{ 1/min}$					$n_e = 3200 \text{ 1/min}$					$n_e = 2800 \text{ 1/min}$				
		n_a [1/min]	M_{amax} [Nm]	P_e [kW]	η [%]		n_a [1/min]	M_{amax} [Nm]	P_e [kW]	η [%]		n_a [1/min]	M_{amax} [Nm]	P_e [kW]	η [%]	
286.40	40/1	12	3520	5.8	76		11	3590	5.6	76		9.8	3700	5.0	75	
262.22		13	3450	6.2	76		12	3520	5.9	76		11	3630	5.4	75	
231.67		15	3310	6.7	76		14	3380	6.4	76		12	3520	5.9	76	
196.52		17	3120	7.4	77		16	3210	7.2	76		14	3350	6.6	76	
180.95		19	3030	7.8	77		18	3120	7.5	77		15	3250	6.9	76	
161.74		21	2910	8.3	77		20	2970	8.0	77		17	3120	7.4	77	
145.60		23	2760	8.8	77		22	2850	8.5	77		19	3000	7.9	77	
131.85		26	2660	9.4	77		24	2740	9.1	77		21	2880	8.3	77	
116.92		29	2320	9.3	76		27	2550	9.5	77		24	2740	8.9	77	
105.71		32	1980	8.9	75		30	2210	9.2	76		26	2630	9.5	77	
89.60		38	1280	7.3	70		36	1670	8.5	74		31	2210	9.4	77	
78.26		43	920	6.4	65		41	1040	6.7	67		36	1770	8.8	75	
65.45	37/3	52	675	5.9	63		49	775	6.2	64		43	1030	6.8	68	
80.85		42	3150	15.5	89		40	3150	14.6	89		35	3150	12.8	89	
71.43		48	3090	17.2	90		45	3150	16.5	89		39	3150	14.5	89	
60.59		56	2910	19	90		53	2970	18.3	90		46	3120	16.9	90	
55.79		61	2820	20	90		57	2880	19	90		50	3030	17.8	90	
49.87		68	2710	22	90		64	2760	21	90		56	2910	19	90	
44.89		76	2430	21	90		71	2630	22	90		62	2790	20	90	
40.65		84	2170	21	90		79	2350	22	90		69	2680	21	90	
36.05		94	1830	20	89		89	2020	21	89		78	2400	22	90	
32.60		104	1560	19	89		98	1760	20	89		86	2150	22	90	
27.63		123	1010	15.2	86		116	1320	18.2	88		101	1740	21	89	
24.13		141	725	12.9	83		133	820	13.6	84		116	1390	19	88	
26.39	35/6	129	1750	25 *	93		121	1750	24 *	93		106	1750	21	93	
23.59		144	1750	28 *	93		136	1750	27 *	93		119	1750	23 *	93	
21.23		160	1750	32 *	93		151	1750	30 *	93		132	1750	26 *	93	
19.23		177	1550	31 *	93		166	1680	31 *	93		146	1750	29 *	93	
17.05		199	1320	30 *	93		188	1450	31 *	93		164	1730	32 *	93	
15.42		220	1110	28 *	92		208	1260	30 *	93		182	1540	31 *	93	
13.07		260	725	22	90		245	940	26 *	92		214	1240	30 *	93	
11.41		298	515	18.3	88		280	585	19	89		245	1000	28 *	92	
9.55		356	375	16.2	87		335	435	17.5	87		293	580	20	89	
8.26		412	290	14.7	85		387	335	15.8	86		339	455	18.4	88	

 * $P_{emax} = 22 \text{ kW}$

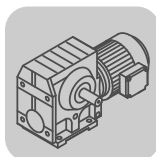


2200 - 1400 1/min

02 967 097

i_{ges}	i_{sch}	$n_e = 2200 \text{ 1/min}$				$n_e = 1700 \text{ 1/min}$				$n_e = 1400 \text{ 1/min}$			
		n_a [1/min]	M_{amax} [Nm]	P_e [kW]	η [%]	n_a [1/min]	M_{amax} [Nm]	P_e [kW]	η [%]	n_a [1/min]	M_{amax} [Nm]	P_e [kW]	η [%]
286.40	40/1	7.7	3920	4.2	74	5.9	4000	3.4	73	4.9	4000	2.9	72
262.22		8.4	3840	4.5	75	6.5	4000	3.7	73	5.3	4000	3.1	72
231.67		9.5	3770	5.0	75	7.3	3960	4.1	74	6.0	4000	3.5	73
196.52		11	3580	5.5	76	8.7	3840	4.7	75	7.1	4000	4.0	74
180.95		12	3510	5.9	76	9.4	3770	4.9	75	7.7	3920	4.3	74
161.74		14	3410	6.4	76	11	3650	5.3	76	8.7	3840	4.7	75
145.60		15	3270	6.8	77	12	3550	5.7	76	9.6	3730	5.0	75
131.85		17	3170	7.2	77	13	3440	6.1	76	11	3650	5.4	76
116.92		19	3020	7.7	77	15	3340	6.6	77	12	3510	5.8	76
105.71		21	2930	8.3	77	16	3210	7.0	77	13	3440	6.2	76
89.60	37/3	25	2730	9.1	77	19	3020	7.8	77	16	3240	6.9	77
78.26		28	2540	9.6	78	22	2870	8.4	78	18	3080	7.5	77
65.45		34	2120	9.7	77	26	2650	9.2	78	21	2900	8.3	78
80.85		27	3300	10.6	89	21	3270	8.2	88	17	3230	6.7	88
71.43		31	3300	12.0	89	24	3300	9.3	88	20	3300	7.7	88
60.59		36	3300	14.1	89	28	3300	10.9	89	23	3300	9.0	88
55.79		39	3270	15.1	89	30	3300	11.8	89	25	3300	9.8	88
49.87		44	3170	16.3	90	34	3300	13.2	89	28	3300	10.9	89
44.89		49	3050	17.5	90	38	3300	14.6	89	31	3300	12.1	89
40.65		54	2950	19	90	42	3230	15.8	90	34	3300	13.3	89
36.05	35/6	61	2810	20	90	47	3110	17.1	90	39	3300	15.0	89
32.60		67	2700	21	90	52	2980	18.1	90	43	3200	16.0	90
27.63		80	2390	22	90	62	2810	20	90	51	3010	17.8	90
24.13		91	2060	22	90	70	2670	22	90	58	2870	19	90
26.39		83	2550	24 *	93	64	2600	19	93	53	2600	15.6	92
23.59		93	2450	26 *	93	72	2600	21	93	59	2600	17.5	93
21.23		104	2380	28 *	93	80	2570	23 *	93	66	2600	19	93
19.23		114	2280	29 *	93	88	2500	25 *	93	73	2600	21	93
17.05		129	2170	31 *	93	100	2400	27 *	93	82	2570	24 *	93
15.42		143	2040	33 *	93	110	2300	28 *	93	91	2470	25 *	93
13.07		168	1720	32 *	93	130	2170	32 *	93	107	2330	28 *	93
11.41		193	1480	32 *	93	149	2000	33 *	93	123	2210	30 *	93
9.55		230	1200	31 *	93	178	1670	33 *	93	147	2040	33 *	94
8.26		266	980	30 *	93	206	1440	33 *	93	169	1770	34 *	94

* $P_{emax} = 22 \text{ kW}$

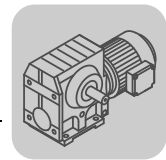


1100 - 700 1/min

02 968 097

i_{ges}	i_{sch}	$n_e = 1100 \text{ 1/min}$				$n_e = 900 \text{ 1/min}$				$n_e = 700 \text{ 1/min}$			
		n_a [1/min]	M_{amax} [Nm]	P_e [kW]	η [%]	n_a [1/min]	M_{amax} [Nm]	P_e [kW]	η [%]	n_a [1/min]	M_{amax} [Nm]	P_e [kW]	η [%]
286.40	40/1	3.8	4200	2.4	70	3.1	4200	2.0	69	2.4	4200	1.6	68
262.22		4.2	4200	2.6	71	3.4	4200	2.2	70	2.7	4200	1.7	68
231.67		4.7	4200	2.9	72	3.9	4200	2.4	70	3.0	4200	1.9	69
196.52		5.6	4160	3.4	73	4.6	4200	2.8	71	3.6	4200	2.2	70
180.95		6.1	4120	3.6	73	5.0	4200	3.0	72	3.9	4200	2.4	70
161.74		6.8	4030	3.9	74	5.6	4160	3.3	73	4.3	4200	2.7	71
145.60		7.6	3950	4.2	74	6.2	4080	3.6	73	4.8	4200	2.9	72
131.85		8.3	3880	4.5	75	6.8	4030	3.9	74	5.3	4200	3.2	72
116.92		9.4	3760	4.9	75	7.7	3910	4.2	74	6.0	4120	3.5	73
105.71		10	3650	5.3	76	8.5	3840	4.6	75	6.6	4030	3.8	74
89.60	37/3	12	3500	5.9	76	10	3690	5.1	76	7.8	3910	4.3	75
78.26		14	3370	6.5	77	12	3580	5.7	76	8.9	3800	4.7	75
65.45		17	3170	7.2	77	14	3400	6.4	77	11	3650	5.4	76
80.85		14	3230	5.3	87	11	3200	4.3	86	8.7	3170	3.4	85
71.43		15	3600	6.7	87	13	3600	5.5	87	9.8	3600	4.3	86
60.59		18	3600	7.8	88	15	3600	6.4	87	12	3600	5.0	86
55.79		20	3600	8.5	88	16	3600	7.0	87	13	3600	5.5	87
49.87		22	3600	9.4	88	18	3600	7.8	88	14	3600	6.1	87
44.89		25	3600	10.4	88	20	3600	8.6	88	16	3600	6.7	87
40.65		27	3600	11.5	89	22	3600	9.5	88	17	3600	7.4	88
36.05	35/6	31	3530	12.7	89	25	3600	10.6	89	19	3600	8.3	88
32.60		34	3420	13.5	89	28	3600	11.7	89	21	3600	9.2	88
27.63		40	3260	15.2	90	33	3460	13.2	89	25	3600	10.8	89
24.13		46	3130	16.6	90	37	3320	14.5	89	29	3560	12.2	89
26.39		42	2650	12.6	92	34	2620	10.2	92	27	2620	8.0	91
23.59		47	2650	14.0	92	38	2650	11.5	92	30	2620	8.9	91
21.23		52	2650	15.6	92	42	2650	12.8	92	33	2620	9.9	92
19.23		57	2650	17.2	93	47	2650	14.1	92	36	2620	10.9	92
17.05		65	2670	19	93	53	2650	15.9	92	41	2650	12.4	92
15.42		71	2670	21	93	58	2650	17.5	93	45	2650	13.7	92
13.07	35/6	84	2540	24 *	93	69	2670	21	93	54	2650	16.1	92
11.41		96	2420	26 *	93	79	2590	23 *	93	61	2650	18.4	93
9.55		115	2280	29 *	93	94	2440	26 *	93	73	2650	22	93
8.26		133	2140	32 *	94	109	2320	28 *	93	85	2540	24 *	93

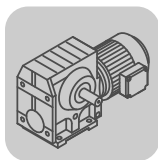
* $P_{emax} = 22 \text{ kW}$



500 - 10 1/min

02 968 097

i_{ges}	i_{sch}	$n_e = 500 \text{ 1/min}$				$n_e = 250 \text{ 1/min}$				$n_e = 10 \text{ 1/min}$			
		n_a [1/min]	M_{amax} [Nm]	P_e [kW]	η [%]	n_a [1/min]	M_{amax} [Nm]	P_e [kW]	η [%]	n_a [1/min]	M_{amax} [Nm]	P_e [kW]	η [%]
286.40	40/1	1.7	4200	1.2	65	0.87	4200	0.62	62	0.03	4200	< 0.05	60
262.22		1.9	4200	1.3	66	0.95	4200	0.68	62	0.04	4200	< 0.05	60
231.67		2.2	4200	1.4	67	1.1	4200	0.76	63	0.04	4200	< 0.05	60
196.52		2.5	4200	1.6	68	1.3	4200	0.88	64	0.05	4200	< 0.05	60
180.95		2.8	4200	1.8	68	1.4	4200	0.95	64	0.06	4200	< 0.05	60
161.74		3.1	4200	2.0	69	1.5	4200	1.1	65	0.06	4200	< 0.05	60
145.60		3.4	4200	2.2	70	1.7	4200	1.2	65	0.07	4200	0.05	60
131.85		3.8	4200	2.4	70	1.9	4200	1.3	66	0.08	4200	0.06	60
116.92		4.3	4200	2.6	71	2.1	4200	1.4	67	0.09	4200	0.06	60
105.71		4.7	4200	2.9	72	2.4	4200	1.5	67	0.09	4200	0.07	60
89.60	37/3	5.6	4160	3.3	73	2.8	4200	1.8	69	0.11	4200	0.08	60
78.26		6.4	4080	3.7	74	3.2	4200	2.0	69	0.13	4200	0.09	60
65.45		7.6	3910	4.2	75	3.8	4200	2.4	70	0.15	4200	0.11	60
80.85		6.2	3110	2.4	84	3.1	3010	1.2	82	0.12	3010	< 0.05	80
71.43		7.0	4200	3.6	85	3.5	4160	1.9	82	0.14	4160	0.08	81
60.59		8.3	4200	4.3	85	4.1	4080	2.1	83	0.17	4080	0.09	81
55.79		9.0	4200	4.6	86	4.5	4200	2.4	83	0.18	4200	0.10	81
49.87		10	4200	5.1	86	5.0	4200	2.6	83	0.20	4200	0.11	81
44.89		11	4160	5.6	86	5.6	4200	2.9	84	0.22	4200	0.12	81
40.65		12	4120	6.1	87	6.2	4200	3.2	84	0.25	4200	0.13	81
36.05	35/6	14	4080	6.8	87	6.9	4200	3.6	85	0.28	4200	0.15	81
32.60		15	3990	7.3	87	7.7	4200	4.0	85	0.31	4200	0.17	81
27.63		18	3910	8.4	88	9.0	4200	4.7	86	0.36	4200	0.20	81
24.13		21	3800	9.3	88	10	4200	5.3	86	0.41	4200	0.23	81
26.39		19	2590	5.7	90	9.5	2540	2.8	89	0.38	2540	0.12	87
23.59		21	2590	6.3	91	11	2540	3.2	89	0.42	2540	0.13	87
21.23		24	2590	7.0	91	12	2570	3.6	89	0.47	2570	0.15	87
19.23		26	2620	7.8	91	13	2570	3.9	89	0.52	2570	0.16	87
17.05		29	2620	8.8	91	15	2570	4.4	90	0.59	2570	0.18	87
15.42		32	2620	9.7	92	16	2570	4.8	90	0.65	2570	0.20	87
13.07		38	2650	11.6	92	19	2590	5.7	90	0.77	2590	0.24	87
11.41		44	2650	13.2	92	22	2590	6.6	91	0.88	2590	0.27	87
9.55		52	2650	15.7	92	26	2620	7.9	91	1.0	2620	0.33	87
8.26		61	2650	18.1	93	30	2620	9.1	91	1.2	2620	0.38	87



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