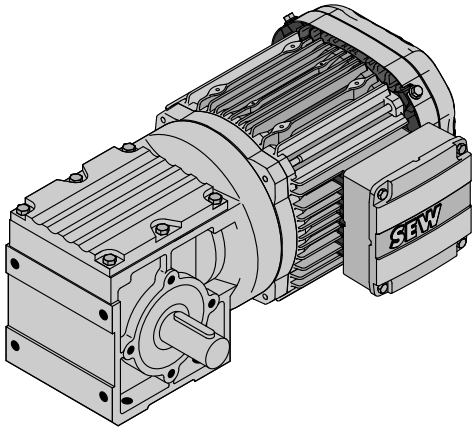
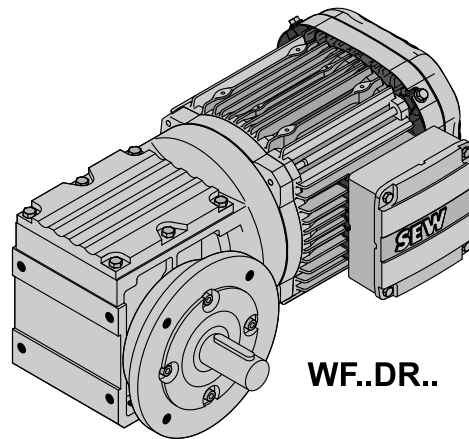


13 W..DRE/DRS

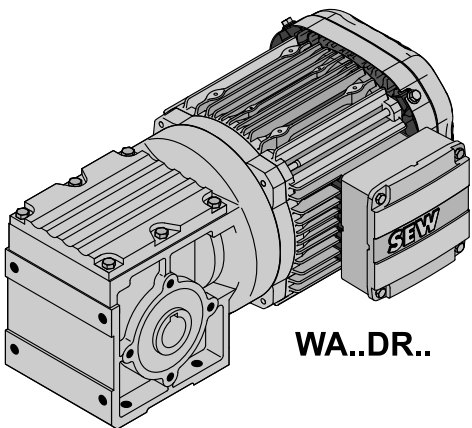
13.1 W, WF, WA, WAF, WA..B, WH..B, WHF, WH, WT..DR..



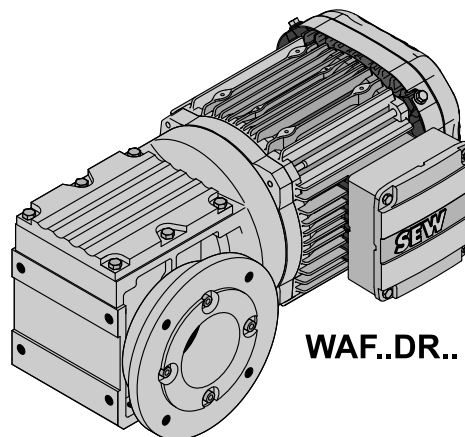
W..DR..



WF..DR..

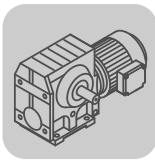


WA..DR..



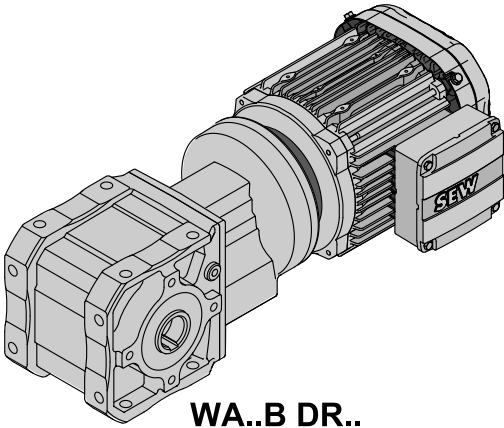
WAF..DR..

60407AXX

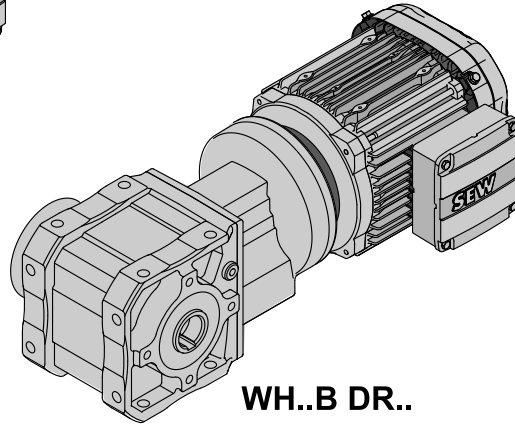


W..DRE/DRS

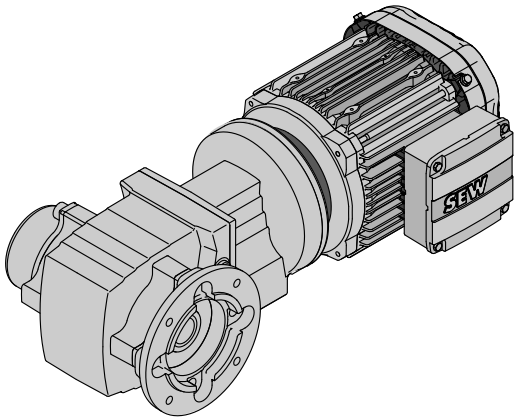
W, WF, WA, WAF, WA..B, WH..B, WHF, WH, WT..DR..



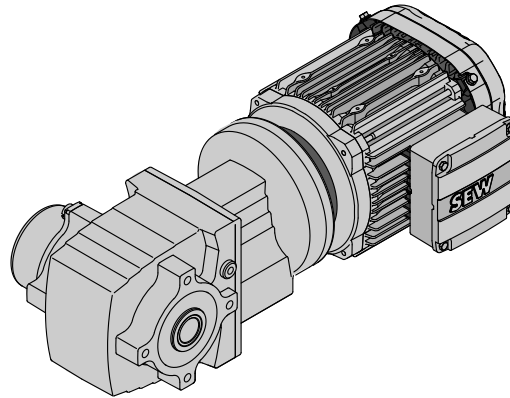
WA..B DR..



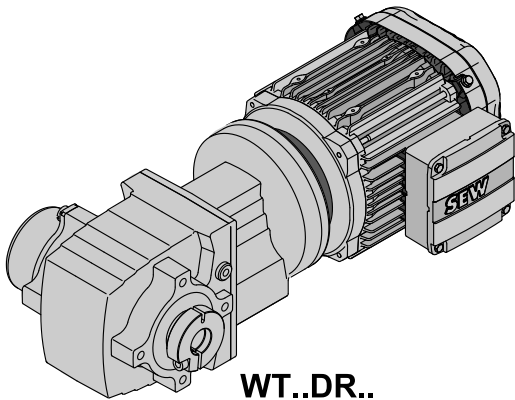
WH..B DR..



WHF..DR..

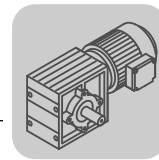


WH..DR..



WT..DR..

65701AXX



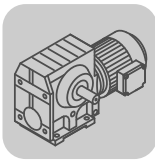
13.2 W.. → DRE/DRS

W10, n _e = 1400 1/min					DT56	25 Nm
n _a [1/min]	M _{amax} [Nm]	F _{Ra} [N]	φ(/R) [']	i		
19	25	1800	-	75.00*		
23	25	1800	-	60.00*		
29	25	1800	-	48.00*		
36	25	1800	-	39.00*		
43	25	1800	-	32.50*		
51	24	1800	-	27.50*		
57	25	1800	-	24.50*		
72	25	1800	-	19.50*		
85	20	1800	-	16.50*		
98	22	1800	-	14.33		
137	13	1800	-	10.25*		
171	12	1800	-	8.20*		
213	12	1720	-	6.57		





W20, n _e = 1400 1/min					DR63 DRS71S	40 Nm
n _a [1/min]	M _{amax} [Nm]	F _{Ra} [N]	φ(/R) [']	i		
19	40	2200	-	75.00*		
23	40	2200	-	60.00*		
29	40	2200	-	48.00*		
36	40	2200	-	39.00*		
43	40	2200	-	32.50*		
51	40	2200	-	27.50*		
57	40	2200	-	24.50*		
72	35	2200	-	19.50*		
85	30	2200	-	16.50*		
98	30	2110	-	14.33		
137	25	1920	-	10.25*		
171	20	1830	-	8.20*		
213	20	1720	-	6.57		

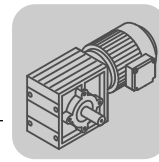
W30, n _e = 1400 1/min					DR63 DRS71S	DRS71M DRS80	70 Nm
n _a [1/min]	M _{amax} [Nm]	F _{Ra} [N]	φ(/R) [']	i			
19	70	3000	-	75.00*			
23	70	3000	-	60.00*			
29	70	3000	-	48.00*			
36	70	3000	-	39.00*			
43	70	3000	-	32.50*			
51	70	3000	-	27.50*			
57	70	3000	-	24.50*			
72	70	3000	-	19.50*			
86	60	3000	-	16.33			
98	60	3000	-	14.33			
137	50	2970	-	10.25*			
171	40	2810	-	8.20*			
213	40	2610	-	6.57			

W37, n _e = 1400 1/min					DR63 DRS71S DRS71M	DRS80 DRE80M DRE90M	DRS90M DRE90L	DRS90L DRS100M DRE100M DRE100LC	110 Nm
n _a [1/min]	M _{amax} [Nm]	F _{Ra} [N]	φ(/R) [']	i					
20	110	3320	-	69.05					
22	110	3320	-	63.33					
26	110	3320	-	53.92					
30	110	3320	-	46.49					
37	110	3320	-	37.88					



W37, n_e = 1400 1/min					110 Nm			
n _a [1/min]	M _{amax} [Nm]	F _{Ra} [N]	φ _(/R) [']	i	DR63 DRS71S DRS71M	DRS80 DRE80M DRE90M	DRS90M DRE90L	DRS90L DRS100M DRE100M DRE100LC
41	90	3610	-	34.52				
44	90	3610	-	31.67				
45	110	3320	-	31.33				
50	110	3320	-	27.78				
52	90	3610	-	26.96				
60	90	3610	-	23.25				
66	110	3320	-	21.33				
74	90	3610	-	18.94				
89	90	3430	-	15.67				
101	90	3250	-	13.89				
110	70	3800	-	12.70				
120	70	3680	-	11.65				
131	90	2880	-	10.67				
141	70	3460	-	9.92				
164	70	3270	-	8.55				
201	70	3020	-	6.97				
243	70	2810	-	5.77				
274	70	2680	-	5.11				
356	70	2410	-	3.93				
438	70	2220	-	3.20*				

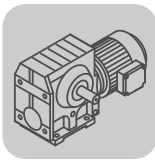
W37R17, n_e = 1400 1/min					110 Nm			
n _a [1/min]	M _{amax} [Nm]	F _{Ra} [N]	φ _(/R) [']	i	DR63 DRS71S DRS71M	DRS80		
 2  3								
0.32	110	3320	-	4402				
0.37	110	3320	-	3795				
0.43	110	3320	-	3272				
0.48	110	3320	-	2899				
0.55	110	3320	-	2558				
0.59	110	3320	-	2382				
0.64	110	3320	-	2172				
0.72	110	3320	-	1952				
0.78	110	3320	-	1795				
0.88	110	3320	-	1593				
0.96	110	3320	-	1463				
1.1	110	3320	-	1298				
1.9	110	3320	-	754				
2.1	110	3320	-	669				
 2  2								
1.2	110	3320	-	1173				
1.3	110	3320	-	1063				
1.5	110	3320	-	956				
1.6	110	3320	-	854				
2.3	110	3320	-	600				
2.6	110	3320	-	532				
3.0	110	3320	-	472				
3.2	110	3320	-	434				
3.6	110	3320	-	384				
3.9	110	3320	-	359				
4.3	110	3320	-	327				
4.9	110	3320	-	286				
5.2	110	3320	-	267				
6.0	110	3320	-	233				
6.8	110	3320	-	207				

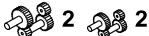



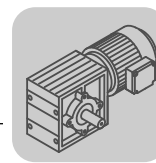
W37R17, $n_e = 1400$ 1/min					110 Nm	
n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	$\varphi_{(R)}$ [']	i	DR63 DRS71S DRS71M	DRS80
7.6	110	3320	-	184		
8.8	110	3320	-	160		
9.9	110	3320	-	141		
11	110	3320	-	125		
13	110	3320	-	109		
15	110	3320	-	96		
17	110	3320	-	82		
19	90	3610	-	73		
22	90	3610	-	63		
26	90	3610	-	53		
29	90	3610	-	48		

W47, $n_e = 1400$ 1/min					180 Nm					
n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	$\varphi_{(R)}$ [']	i	DR63 DRS71S DRS71M	DRS80 DRE80M DRE90M	DRS90M DRE90L	DRS90L DRS100M DRE100M DRE100LC DRE112M	DRS100LC DRS112M DRE132S	DRS132S DRS132M DRE132M DRE132MC DRE160S
19	180	6500	-	74.98						
20	180	6500	-	68.93						
24	180	6500	-	58.98						
27	180	6300	-	51.12						
29	180	6110	-	47.78						
34	180	5720	-	41.30						
40	180	5290	-	35.09						
44	160	5620	-	31.62						
45	180	5010	-	31.33						
51	160	5280	-	27.41						
52	180	4640	-	26.76						
55	160	5130	-	25.62						
56	180	4490	-	25.07						
63	160	4800	-	22.15						
74	160	4460	-	18.82						
83	160	4230	-	16.80						
98	160	3930	-	14.35						
104	160	3810	-	13.44						
114	110	4600	-	12.30						
124	160	3500	-	11.32						
131	110	4350	-	10.66						
141	110	4240	-	9.96						
163	110	4000	-	8.61						
191	110	3750	-	7.32						
214	110	3580	-	6.53						
251	110	3360	-	5.58						
268	110	3270	-	5.23						
318	110	3050	-	4.40						
360	110	2900	-	3.89						
428	110	2690	-	3.27						

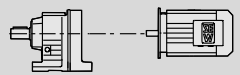

W47R17, $n_e = 1400$ 1/min					180 Nm	
n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	$\varphi_{(R)}$ [']	i	DR63 DRS71S DRS71M	DRS80
2 3						
0.29	180	6400	-	4815		
0.34	180	6400	-	4173		
0.36	180	6400	-	3870		
0.39	180	6400	-	3598		
0.42	180	6400	-	3354		

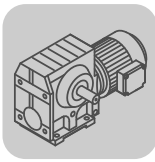


W47R17, $n_e = 1400$ 1/min					180 Nm	
n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	$\varphi(/R)$ [']	i	DR63 DRS71S DRS71M	DRS80
0.44	180	6400	-	3171		
0.51	180	6400	-	2748		
0.58	180	6400	-	2425		
0.62	180	6400	-	2258		
0.66	180	6400	-	2111		
0.71	180	6400	-	1959		
0.78	180	6400	-	1797		
0.88	180	6400	-	1595		
0.94	180	6400	-	1486		
0.97	180	6400	-	1448		
1.2	180	6400	-	1170		
1.9	180	6400	-	754		
 2  2						
1.1	180	6400	-	1290		
1.2	180	6400	-	1183		
1.3	180	6400	-	1042		
1.5	180	6400	-	956		
1.6	180	6400	-	869		
2.1	180	6400	-	661		
2.3	180	6400	-	596		
2.6	180	6400	-	536		
3.0	180	6400	-	473		
3.2	180	6400	-	434		
3.6	180	6400	-	386		
3.9	180	6400	-	359		
4.4	180	6400	-	318		
4.8	180	6400	-	291		
5.2	180	6400	-	270		
5.3	180	6400	-	265		
5.9	180	6400	-	237		
6.7	180	6400	-	210		
7.7	180	6400	-	183		
8.8	180	6400	-	159		
9.9	180	6400	-	141		
11	160	6650	-	124		
12	180	6400	-	120		
13	160	6650	-	105		
15	160	6650	-	95		
16	160	6650	-	85		
18	160	6650	-	77		
19	160	6650	-	72		

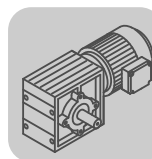


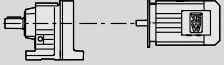

13.3 W..DRE/DRS [kW]

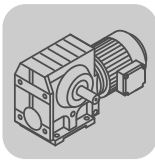
P _m [kW]	n _a [1/min]	M _a [Nm]	i	F _{Ra} ¹⁾ [N]	SEW f _B					m [kg]	
0.09	17	20	75.00*	1800	1.25						
	22	18	60.00*	1800	1.45						
	27	16	48.00*	1800	1.55						
	33	15	39.00*	1800	1.70						
	40	13	32.50*	1800	1.90						
	47	12	27.50*	1800	2.0	W	10	DT	56M4	5.3	647
	53	11	24.50*	1800	2.3	WF	10	DT	56M4	5.5	648
	67	9.4	19.50*	1800	2.7	WA	10	DT	56M4	5.3	649
	79	8.4	16.50*	1800	2.4	WAF	10	DT	56M4	5.5	648
	91	7.6	14.33	1800	2.9						
	127	5.8	10.25*	1800	2.2						
	159	4.8	8.20*	1800	2.5						
	198	4.0	6.57	1800	3.0						
0.12	3.8	135	359	0	0.80						
	4.2	128	327	1780	0.85						
	4.8	112	286	3280	1.00						
	5.2	107	267	3370	1.05						
	5.9	94	233	3560	1.15						
	6.7	81	207	3720	1.35						
	7.5	73	184	3800	1.50						
	8.6	68	160	3850	1.60	W	37R17	DR	63S4	13	665
	9.8	60	141	3910	1.80	WF	37R17	DR	63S4	13	665
	11	54	125	3960	2.0	WA	37R17	DR	63S4	13	665
	13	48	109	4000	2.3	WAF	37R17	DR	63S4	13	665
	14	43	96	4030	2.6						
	17	37	82	4060	3.0						
	19	38	73	4050	2.3						
	22	34	63	4070	2.6						
	26	29	53	4090	3.1						
	29	27	48	4100	3.3						
	20	39	69.05	4050	2.8						
	22	36	63.33	4060	3.1	W	37	DR	63S4	10	656
	26	31	53.92	4080	3.5	WF	37	DR	63S4	10	657
	30	27	46.49	4100	4.0	WA	37	DR	63S4	10	659
	36	23	37.88	4110	4.8	WAF	37	DR	63S4	10	657
	40	24	34.52	4110	3.8						
	44	22	31.67	4120	4.1						
	12	40	75.00*	3000	1.75	W	30	DR	63M6	9.0	653
	15	38	60.00*	3000	1.85	WF	30	DR	63M6	9.4	654
	28	25	32.50*	3000	2.8	WA	30	DR	63M6	8.8	655
	33	24	27.50*	3000	3.0	WAF	30	DR	63M6	9.1	654
	18	28	75.00*	3000	2.5	W	30	DR	63S4	9.0	653
	23	26	60.00*	3000	2.7	WF	30	DR	63S4	9.4	654
	29	22	48.00*	3000	3.1	WA	30	DR	63S4	8.8	655
	35	20	39.00*	3000	3.4	WAF	30	DR	63S4	9.1	654
	42	17	32.50*	3000	4.1						
12	36	75.00*	2200	1.10	W	20	DR	63M6	6.6	650	
15	32	60.00*	2200	1.25	WF	20	DR	63M6	6.8	651	
28	27	32.50*	2200	1.50	WA	20	DR	63M6	6.3	652	
33	22	27.50*	2200	1.80	WAF	20	DR	63M6	6.3	651	
18	25	75.00*	2200	1.60							
23	22	60.00*	2200	1.80							
29	20	48.00*	2200	1.95							
35	18	39.00*	2200	2.2	W	20	DR	63S4	6.6	650	
42	18	32.50*	2200	2.2	WF	20	DR	63S4	6.8	651	
50	15	27.50*	2200	2.6	WA	20	DR	63S4	6.3	652	
56	14	24.50*	2200	2.9	WAF	20	DR	63S4	6.3	651	
71	12	19.50*	2200	2.9							
84	10	16.50*	2200	2.9							
96	9.5	14.33	2200	3.2							
135	7.2	10.25*	2190	3.5							
168	5.9	8.20*	2020	3.4							
210	4.9	6.57	1890	4.1							

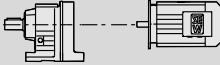


W..DRE/DRS
W..DRE/DRS [kW]

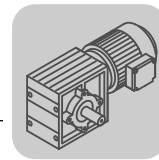
P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B					m [kg]	
0.12	17	26	75.00*	1800	0.95						
	22	23	60.00*	1800	1.05						
	27	21	48.00*	1800	1.15						
	33	20	39.00*	1800	1.30						
	40	18	32.50*	1800	1.40						
	47	16	27.50*	1800	1.55	W	10	DT	56L4	5.3	647
	53	15	24.50*	1800	1.70	WF	10	DT	56L4	5.5	648
	67	13	19.50*	1800	2.00	WA	10	DT	56L4	5.3	649
	79	11	16.50*	1800	1.80	WAF	10	DT	56L4	5.5	648
	91	10	14.33	1800	2.2						
	127	7.7	10.25*	1800	1.70						
	159	6.3	8.20*	1800	1.90						
198	5.3	6.57	1800	2.3							
0.18	4.2	225	318	6080	0.80						
	4.9	193	270	6320	0.95						
	5.6	178	237	6420	1.00						
	6.3	156	210	6560	1.15						
	7.2	135	183	6680	1.35						
	8.3	122	159	6760	1.50	W	47R17	DR	63M4	18	665
	9.3	108	141	6840	1.65	WF	47R17	DR	63M4	19	665
	11	114	124	6900	1.40	WA	47R17	DR	63M4	17	665
	11	93	120	6930	1.95	WAF	47R17	DR	63M4	18	665
	13	96	105	6990	1.65						
	14	90	95	7020	1.75						
	16	79	85	7070	2.0						
	17	74	77	7090	2.2						
	18	67	72	7120	2.4						
	6.4	134	207	580	0.80						
	7.2	121	184	2620	0.90						
	8.2	110	160	3320	1.00						
	9.3	99	141	3500	1.10						
	11	88	125	3630	1.25	W	37R17	DR	63M4	13	665
	12	79	109	3740	1.40	WF	37R17	DR	63M4	13	665
	14	71	96	3820	1.55	WA	37R17	DR	63M4	13	665
	16	61	82	3910	1.80	WAF	37R17	DR	63M4	13	665
	18	64	73	3890	1.40						
	21	56	63	3940	1.60						
25	48	53	4000	1.85							
27	44	48	4020	2.0							
18	70	74.98	7060	2.6							
19	65	68.93	7080	2.8	W	47	DR	63M4	16	662	
22	56	58.98	7130	3.2	WF	47	DR	63M4	16	663	
26	50	51.12	7160	3.6	WA	47	DR	63M4	14	664	
28	47	47.78	7180	3.8	WAF	47	DR	63M4	15	663	
32	41	41.30	7210	4.4							
42	35	31.62	7020	4.6							
19	60	69.05	3920	1.85							
21	56	63.33	3950	1.95							
24	48	53.92	4000	2.3							
28	43	46.49	4030	2.6							
35	36	37.88	4070	3.1	W	37	DR	63M4	10	656	
38	37	34.52	4060	2.4	WF	37	DR	63M4	10	657	
42	34	31.67	4070	2.6	WA	37	DR	63M4	10	659	
48	27	27.78	4100	4.1	WAF	37	DR	63M4	10	657	
49	29	26.96	4090	3.1							
57	26	23.25	4100	3.5							
62	21	21.33	4120	5.2							
70	21	18.94	4120	4.3							
12	62	75.00*	3000	1.10	W	30	DR	63L6	9.8	653	
14	58	60.00*	3000	1.20	WF	30	DR	63L6	10	654	
27	39	32.50*	3000	1.80	WA	30	DR	63L6	9.5	655	
32	36	27.50*	3000	1.90	WAF	30	DR	63L6	9.8	654	

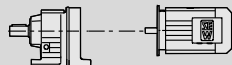



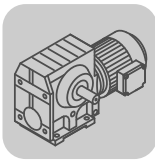
P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B		m [kg]		
0.18	18	44	75.00*	3000	1.60				
	22	40	60.00*	3000	1.75				
	28	35	48.00*	3000	2.00				
	34	32	39.00*	3000	2.2				
	41	27	32.50*	3000	2.6				
	48	25	27.50*	3000	2.8	W 30	DR 63M4	9.0	653
	54	23	24.50*	3000	3.0	WF 30	DR 63M4	9.4	654
	68	20	19.50*	3000	3.6	WA 30	DR 63M4	8.8	655
	81	17	16.33	3000	3.5	WAF 30	DR 63M4	9.1	654
	92	15	14.33	3000	3.9				
	129	12	10.25*	3000	4.3				
	161	9.5	8.20*	3000	4.2				
	201	8.0	6.57	2980	5.0				
	111	12	24.50*	3000	5.9				
	139	9.9	19.50*	3000	7.1	W 30	DR 63S2	9.0	653
	167	8.5	16.33	3000	7.1	WF 30	DR 63S2	9.4	654
	190	7.7	14.33	3000	7.8	WA 30	DR 63S2	8.8	655
	265	5.7	10.25*	2740	8.8	WAF 30	DR 63S2	9.1	654
	332	4.7	8.20*	2540	8.5				
	14	49	60.00*	2200	0.80	W 20	DR 63L6	7.3	650
	32	35	27.50*	2200	1.15	WF 20	DR 63L6	7.4	651
	45	27	19.50*	2200	1.30	WA 20	DR 63L6	7.0	652
						WAF 20	DR 63L6	7.0	651
	18	39	75.00*	2200	1.00				
	22	34	60.00*	2200	1.15				
	28	32	48.00*	2200	1.25				
	34	29	39.00*	2200	1.40				
	41	28	32.50*	2200	1.40				
	48	24	27.50*	2200	1.65	W 20	DR 63M4	6.6	650
	54	22	24.50*	2200	1.85	WF 20	DR 63M4	6.8	651
	68	19	19.50*	2200	1.90	WA 20	DR 63M4	6.3	652
	80	16	16.50*	2200	1.85	WAF 20	DR 63M4	6.3	651
	92	15	14.33	2200	2.0				
129	11	10.25*	2200	2.2					
161	9.2	8.20*	2010	2.2					
201	7.7	6.57	1890	2.6					
111	11	24.50*	2200	3.6					
139	9.4	19.50*	2150	3.7	W 20	DR 63S2	6.6	650	
165	8.2	16.50*	2040	3.7	WF 20	DR 63S2	6.8	651	
190	7.5	14.33	1950	4.0	WA 20	DR 63S2	6.3	652	
265	5.6	10.25*	1750	4.5	WAF 20	DR 63S2	6.3	651	
332	4.6	8.20*	1610	4.4					
0.25	7.1	196	183	6300	0.90				
	8.2	175	159	6430	1.05				
	9.2	157	141	6550	1.15				
	11	164	124	6630	0.95	W 47R17	DR 63L4	19	665
	11	134	120	6690	1.35	WF 47R17	DR 63L4	20	665
	12	139	105	6760	1.15	WA 47R17	DR 63L4	18	665
	14	129	95	6820	1.25	WAF 47R17	DR 63L4	18	665
	15	114	85	6900	1.40				
	17	106	77	6940	1.50				
	18	97	72	6980	1.65				
	10	128	125	1880	0.85				
	12	114	109	3220	0.95				
	14	102	96	3450	1.10	W 37R17	DR 63L4	14	665
	16	88	82	3640	1.25	WF 37R17	DR 63L4	14	665
	18	92	73	3580	0.95	WA 37R17	DR 63L4	14	665
	21	82	63	3720	1.10	WAF 37R17	DR 63L4	14	665
	24	70	53	3840	1.30				
	27	64	48	3880	1.40				
	12	136	74.98	6680	1.30	W 47	DRS 71S6	18	662
	13	127	68.93	6730	1.40	WF 47	DRS 71S6	19	663
						WA 47	DRS 71S6	17	664
						WAF 47	DRS 71S6	17	663
	17	98	74.98	6900	1.85				
	19	91	68.93	6940	2.00	W 47	DR 63L4	16	662
	22	79	58.98	7000	2.3	WF 47	DR 63L4	17	663
	25	70	51.12	7060	2.6	WA 47	DR 63L4	15	664
	27	66	47.78	7080	2.7	WAF 47	DR 63L4	16	663


W..DRE/DRS
W..DRE/DRS [kW]

P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B					m [kg]	
0.25	19	85	69.05	3680	1.30						
	21	78	63.33	3750	1.40						
	24	68	53.92	3850	1.60						
	28	60	46.49	3920	1.85						
	34	50	37.88	3990	2.2						
	38	52	34.52	3980	1.75						
	41	48	31.67	4000	1.90						
	47	38	27.78	4060	2.9	W 37	DR	63L4		11	656
	48	41	26.96	4040	2.2	WF 37	DR	63L4		11	657
	56	36	23.25	4060	2.5	WA 37	DR	63L4		11	659
	61	30	21.33	4090	3.7	WAF 37	DR	63L4		11	657
	69	30	18.94	4090	3.0						
	83	25	15.67	4110	3.6						
	94	22	13.89	4110	4.0						
	102	21	12.70	4120	3.3						
	112	20	11.65	4120	3.6						
122	17	10.67	3910	5.2							
131	17	9.92	3920	4.2							
12	84	75.00*	3000	0.85							
15	78	60.00*	3000	0.90	W 30	DRS	71S6		12	653	
28	53	32.50*	3000	1.35	WF 30	DRS	71S6		12	654	
37	46	24.50*	3000	1.50	WA 30	DRS	71S6		11	655	
46	39	19.50*	3000	1.80	WAF 30	DRS	71S6		12	654	
17	62	75.00*	3000	1.15							
22	57	60.00*	3000	1.25							
27	50	48.00*	3000	1.40							
33	45	39.00*	3000	1.55							
40	38	32.50*	3000	1.85	W 30	DR	63L4		9.8	653	
47	35	27.50*	3000	2.00	WF 30	DR	63L4		10	654	
53	33	24.50*	3000	2.1	WA 30	DR	63L4		9.5	655	
67	28	19.50*	3000	2.5	WAF 30	DR	63L4		9.8	654	
80	24	16.33	3000	2.5							
91	22	14.33	3000	2.8							
127	16	10.25*	3000	3.1							
159	13	8.20*	3000	3.0							
198	11	6.57	2970	3.6							
109	17	24.50*	3000	4.2							
136	14	19.50*	3000	5.0	W 30	DR	63M2		9.0	653	
163	12	16.33	3000	5.0	WF 30	DR	63M2		9.4	654	
186	11	14.33	3000	5.5	WA 30	DR	63M2		8.8	655	
260	8.1	10.25*	2750	6.2	WAF 30	DR	63M2		9.1	654	
324	6.6	8.20*	2540	6.1							
33	47	27.50*	2200	0.85							
37	43	24.50*	2200	0.95	W 20	DRS	71S6		9.1	650	
46	37	19.50*	2200	0.95	WF 20	DRS	71S6		9.2	651	
62	30	14.33	2200	1.00	WA 20	DRS	71S6		8.8	652	
87	22	10.25*	2200	1.10	WAF 20	DRS	71S6		8.8	651	
109	19	8.20*	2190	1.10							
136	16	6.57	2090	1.30							
22	48	60.00*	2200	0.85							
27	44	48.00*	2200	0.90							
33	41	39.00*	2200	1.00							
40	40	32.50*	2200	1.00							
47	34	27.50*	2200	1.20	W 20	DR	63L4		7.3	650	
53	30	24.50*	2200	1.30	WF 20	DR	63L4		7.4	651	
67	26	19.50*	2200	1.35	WA 20	DR	63L4		7.0	652	
79	23	16.50*	2200	1.30	WAF 20	DR	63L4		7.0	651	
91	21	14.33	2200	1.45							
127	16	10.25*	2180	1.60							
159	13	8.20*	1970	1.55							
198	11	6.57	1870	1.85							
82	20	32.50*	2200	1.95							
97	17	27.50*	2200	2.3							
109	16	24.50*	2200	2.6	W 20	DR	63M2		6.6	650	
136	13	19.50*	2140	2.6	WF 20	DR	63M2		6.8	651	
161	12	16.50*	2020	2.6	WA 20	DR	63M2		6.3	652	
186	11	14.33	1940	2.8	WAF 20	DR	63M2		6.3	651	
260	7.9	10.25*	1750	3.2							
324	6.5	8.20*	1600	3.1							

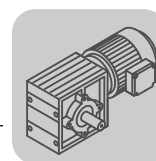


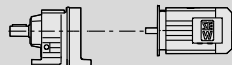

P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B		m [kg]	
0.37	9.8	220	141	6110	0.80			
	11	192	120	6320	0.95			
	13	198	105	6430	0.80	W 47R17	DRS 71S4	21 665
	15	183	95	6520	0.90	WF 47R17	DRS 71S4	21 665
	16	163	85	6640	1.00	WA 47R17	DRS 71S4	19 665
	18	150	77	6710	1.05	WAF 47R17	DRS 71S4	20 665
	19	138	72	6770	1.15			
	17	126	82	2020	0.85	W 37R17	DRS 71S4	15 665
	26	100	53	3480	0.90	WF 37R17	DRS 71S4	15 665
	29	91	48	3600	1.00	WA 37R17	DRS 71S4	15 665
						WAF 37R17	DRS 71S4	15 665
	12	200	74.98	6270	0.90			
	13	186	68.93	6360	0.95	W 47	DRS 71M6	19 662
	15	162	58.98	6520	1.10	WF 47	DRS 71M6	20 663
	18	143	51.12	6640	1.25	WA 47	DRS 71M6	18 664
	19	134	47.78	6690	1.35	WAF 47	DRS 71M6	19 663
	18	138	74.98	6670	1.30			
	20	128	68.93	6730	1.40			
	23	111	58.98	6820	1.60			
	27	98	51.12	6900	1.85			
	29	92	47.78	6930	1.95			
	33	81	41.30	6940	2.2			
	39	70	35.09	6660	2.6			
	44	69	31.62	6560	2.3			
	44	63	31.33	6460	2.9			
	50	60	27.41	6310	2.7	W 47	DRS 71S4	18 662
	52	54	26.76	6200	3.3	WF 47	DRS 71S4	19 663
	54	56	25.62	6200	2.8	WA 47	DRS 71S4	17 664
	55	51	25.07	6090	3.5	WAF 47	DRS 71S4	17 663
	62	49	22.15	5950	3.3			
	73	42	18.82	5680	3.8			
	82	38	16.80	5500	4.2			
	96	32	14.35	5250	4.9			
	112	30	12.30	5120	3.7			
	129	26	10.66	4890	4.3			
	139	24	9.96	4790	4.6			
	22	110	63.33	3320	1.00			
	26	96	53.92	3540	1.15			
	30	84	46.49	3680	1.30			
	36	70	37.88	3830	1.55			
40	73	34.52	3810	1.25				
44	67	31.67	3860	1.35				
50	53	27.78	3970	2.1				
51	58	26.96	3930	1.55	W 37	DRS 71S4	13 656	
59	50	23.25	3990	1.80	WF 37	DRS 71S4	13 657	
65	42	21.33	4030	2.6	WA 37	DRS 71S4	13 659	
73	42	18.94	4040	2.2	WAF 37	DRS 71S4	13 657	
88	35	15.67	4070	2.6				
99	31	13.89	4030	2.9				
109	30	12.70	4090	2.3				
118	27	11.65	3990	2.6				
129	24	10.67	3740	3.7				
139	23	9.92	3800	3.0				
161	20	8.55	3630	3.5				
18	86	75.00*	3000	0.80				
23	80	60.00*	3000	0.90				
29	70	48.00*	3000	1.00				
35	63	39.00*	3000	1.10				
42	53	32.50*	3000	1.30				
50	49	27.50*	3000	1.40	W 30	DRS 71S4	12 653	
56	46	24.50*	3000	1.55	WF 30	DRS 71S4	12 654	
71	39	19.50*	3000	1.80	WA 30	DRS 71S4	11 655	
84	33	16.33	3000	1.80	WAF 30	DRS 71S4	12 654	
96	30	14.33	3000	2.00				
135	23	10.25*	3000	2.2				
168	19	8.20*	3000	2.1				
210	16	6.57	2870	2.6				

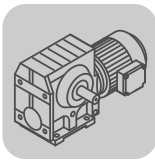


W..DRE/DRS W..DRE/DRS [kW]

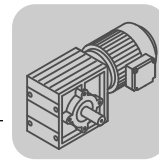
P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B					m [kg]	
0.37	108	25	24.50*	3000	2.8						
	136	21	19.50*	3000	3.4	W	30	DR	63L2	9.8	653
	162	18	16.33	3000	3.4	WF	30	DR	63L2	10	654
	185	16	14.33	2960	3.7	WA	30	DR	63L2	9.5	655
	259	12	10.25*	2730	4.1	WAF	30	DR	63L2	9.8	654
	323	9.9	8.20*	2510	4.0						
	50	47	27.50*	2200	0.85						
	56	43	24.50*	2200	0.95						
	71	37	19.50*	2200	0.95	W	20	DRS	71S4	9.1	650
	84	32	16.50*	2200	0.95	WF	20	DRS	71S4	9.2	651
	96	29	14.33	2200	1.00	WA	20	DRS	71S4	8.8	652
	135	22	10.25*	2080	1.15	WAF	20	DRS	71S4	8.8	651
	168	18	8.20*	1870	1.10						
	210	15	6.57	1800	1.30						
	108	23	24.50*	2200	1.70						
	136	20	19.50*	2090	1.75	W	20	DR	63L2	7.3	650
	161	17	16.50*	1980	1.75	WF	20	DR	63L2	7.4	651
	185	16	14.33	1900	1.90	WA	20	DR	63L2	7.0	652
	259	12	10.25*	1720	2.1	WAF	20	DR	63L2	7.0	651
323	9.6	8.20*	1560	2.1							
0.55	18	205	51.12	6200	0.85						
	19	198	47.78	6280	0.90						
	22	174	41.30	6440	1.05	W	47	DRS	80S6	22	662
	26	150	35.09	6590	1.20	WF	47	DRS	80S6	22	663
	29	151	31.62	6700	1.05	WA	47	DRS	80S6	20	664
	29	136	31.33	6610	1.35	WAF	47	DRS	80S6	21	663
	33	132	27.41	6570	1.20						
	36	124	25.62	6480	1.30						
	18	200	74.98	6240	0.90						
	20	190	68.93	6340	0.95						
	23	165	58.98	6500	1.10						
	27	146	51.12	6620	1.25	W	47	DRS	71M4	19	662
	29	137	47.78	6620	1.30	WF	47	DRS	71M4	20	663
	33	120	41.30	6440	1.50	WA	47	DRS	71M4	18	664
	39	104	35.09	6230	1.75	WAF	47	DRS	71M4	19	663
	44	102	31.62	6200	1.55						
	44	94	31.33	6080	1.90						
	50	89	27.41	6000	1.80						
	54	84	25.62	5910	1.90						
	36	104	37.88	3410	1.05						
	44	100	31.67	3480	0.90						
	50	79	27.78	3740	1.40						
	51	86	26.96	3660	1.05						
	59	75	23.25	3780	1.20						
	65	62	21.33	3900	1.75						
	73	62	18.94	3900	1.45						
	88	52	15.67	3940	1.75	W	37	DRS	71M4	14	656
	99	46	13.89	3830	1.95	WF	37	DRS	71M4	14	657
	109	44	12.70	3990	1.60	WA	37	DRS	71M4	14	659
	118	41	11.65	3900	1.70	WAF	37	DRS	71M4	14	657
	129	36	10.67	3590	2.5						
	139	35	9.92	3720	2.0						
	161	30	8.55	3560	2.3						
	198	25	6.97	3350	2.8						
	239	20	5.77	3160	3.4						
	270	18	5.11	3050	3.9						
352	14	3.93	2810	5.0							
42	79	32.50*	3000	0.90							
50	73	27.50*	3000	0.95							
56	68	24.50*	3000	1.05	W	30	DRS	71M4	13	653	
84	50	16.33	3000	1.20	WF	30	DRS	71M4	13	654	
96	45	14.33	3000	1.35	WA	30	DRS	71M4	13	655	
135	34	10.25*	3000	1.45	WAF	30	DRS	71M4	13	654	
168	28	8.20*	2980	1.45							
210	23	6.57	2800	1.70							



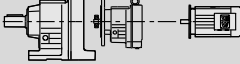

P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B					m [kg]	
0.55	115	35	24.50*	3000	2.0						
	144	29	19.50*	3000	2.4	W	30	DRS	71M2	13	653
	172	25	16.33	2940	2.4	WF	30	DRS	71M2	13	654
	196	23	14.33	2840	2.6	WA	30	DRS	71M2	13	655
	274	17	10.25*	2650	2.9	WAF	30	DRS	71M2	13	654
343	14	8.20*	2420	2.9							
0.75	24	215	58.98	6100	0.85						
	28	192	51.12	6010	0.95						
	30	180	47.78	5970	1.00						
	35	158	41.30	5860	1.15						
	41	136	35.09	5720	1.30						
	45	134	31.62	5770	1.20	W	47	DRE	80M4	24	662
	46	123	31.33	5610	1.45	WF	47	DRE	80M4	25	663
	52	117	27.41	5620	1.35	WA	47	DRE	80M4	23	664
	54	107	26.76	5450	1.70	WAF	47	DRE	80M4	24	663
	56	110	25.62	5540	1.45						
	57	100	25.07	5380	1.80						
	65	96	22.15	5370	1.65						
	76	82	18.82	5180	1.95						
	117	58	12.30	4860	1.90						
	46	116	31.33	3030	0.95						
	52	104	27.78	3410	1.05						
	62	98	23.25	3500	0.90						
	67	82	21.33	3710	1.35						
	76	81	18.94	3720	1.10						
	92	68	15.67	3680	1.35	W	37	DRE	80M4	19	656
	103	61	13.89	3590	1.50	WF	37	DRE	80M4	19	657
	135	47	10.67	3400	1.90	WA	37	DRE	80M4	19	659
	145	46	9.92	3590	1.55	WAF	37	DRE	80M4	19	657
	168	39	8.55	3450	1.80						
	206	32	6.97	3250	2.2						
	249	27	5.77	3080	2.6						
	281	24	5.11	2970	2.9						
	366	18	3.93	2740	3.8						
	448	15	3.20*	2580	4.7						
	88	65	16.33	3000	0.90	W	30	DRE	80M4	18	653
	100	59	14.33	3000	1.00	WF	30	DRE	80M4	18	654
	140	44	10.25*	3000	1.10	WA	30	DRE	80M4	17	655
	175	36	8.20*	2850	1.10	WAF	30	DRE	80M4	18	654
218	31	6.57	2700	1.30							
118	46	24.50*	3000	1.50	W	30	DRE	80M2	18	653	
177	33	16.33	2820	1.80	WF	30	DRE	80M2	18	654	
202	30	14.33	2730	2.00	WA	30	DRE	80M2	17	655	
282	22	10.25*	2590	2.2	WAF	30	DRE	80M2	18	654	
352	18	8.20*	2360	2.2							
1.1	40	200	35.09	4910	0.90						
	45	199	31.62	5120	0.80						
	45	182	31.33	4890	1.00						
	52	174	27.41	5050	0.90						
	53	158	26.76	4830	1.15						
	55	163	25.62	5010	1.00						
	57	149	25.07	4800	1.20	W	47	DRE	90M4	29	662
	64	142	22.15	4910	1.15	WF	47	DRE	90M4	30	663
	75	122	18.82	4780	1.30	WA	47	DRE	90M4	28	664
	85	109	16.80	4690	1.45	WAF	47	DRE	90M4	29	663
	99	94	14.35	4550	1.70						
	106	88	13.44	4490	1.80						
	115	86	12.30	4690	1.30						
	133	75	10.66	4520	1.45						
	143	70	9.96	4440	1.55						
	165	61	8.61	4270	1.80						

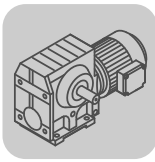

W..DRE/DRS
W..DRE/DRS [kW]

P_m [kW]	n_a [1/min]	M_a [Nm]	i	F_{Ra} ¹⁾ [N]	SEW f_B			m [kg]	
1.1	91	100	15.67	3270	0.90				
	102	90	13.89	3230	1.00				
	133	70	10.67	3120	1.30				
	143	68	9.92	3460	1.05	W 37	DRE 90M4	23	656
	166	58	8.55	3330	1.20	WF 37	DRE 90M4	23	657
	204	48	6.97	3160	1.45	WA 37	DRE 90M4	23	659
	246	40	5.77	3000	1.75	WAF 37	DRE 90M4	23	657
	278	35	5.11	2900	2.00				
	362	27	3.93	2690	2.6				
444	22	3.20*	2540	3.2					
1.5	53	210	26.76	4100	0.85				
	57	200	25.07	4110	0.90				
	65	192	22.15	4360	0.85				
	76	165	18.82	4320	0.95				
	85	148	16.80	4270	1.10				
	100	127	14.35	4190	1.25	W 47	DRE 90L4	32	662
	106	120	13.44	4150	1.35	WF 47	DRE 90L4	32	663
	126	102	11.32	4040	1.60	WA 47	DRE 90L4	30	664
	134	101	10.66	4330	1.10	WAF 47	DRE 90L4	31	663
	144	95	9.96	4260	1.15				
	166	82	8.61	4110	1.35				
	195	70	7.32	3950	1.55				
	219	63	6.53	3830	1.75				
	134	94	10.67	2790	0.95				
	167	79	8.55	3180	0.90	W 37	DRE 90L4	26	656
	205	65	6.97	3030	1.10	WF 37	DRE 90L4	26	657
	248	54	5.77	2900	1.30	WA 37	DRE 90L4	26	659
280	48	5.11	2810	1.45	WAF 37	DRE 90L4	26	657	
364	37	3.93	2620	1.90					
447	30	3.20*	2480	2.3					
2.2	99	187	14.35	3560	0.85				
	106	176	13.44	3560	0.90				
	126	149	11.32	3540	1.05				
	165	121	8.61	3860	0.90	W 47	DRE 100M4	37	662
	195	103	7.32	3730	1.05	WF 47	DRE 100M4	37	663
	218	92	6.53	3640	1.20	WA 47	DRE 100M4	35	664
	255	79	5.58	3510	1.40	WAF 47	DRE 100M4	36	663
	273	74	5.23	3460	1.50				
	324	62	4.40	3310	1.75				
	366	55	3.89	3210	2.00				
	436	46	3.27	3070	2.4				
	247	79	5.77	2730	0.90	W 37	DRE 100M4	31	656
	279	70	5.11	2660	1.00	WF 37	DRE 100M4	31	657
	363	54	3.93	2500	1.30	WA 37	DRE 100M4	31	659
	445	44	3.20*	2380	1.60	WAF 37	DRE 100M4	31	657
3.0	223	123	6.53	3400	0.90				
	261	105	5.58	3300	1.05	W 47	DRE 100LC4	42	662
	278	99	5.23	3260	1.10	WF 47	DRE 100LC4	42	663
	330	83	4.40	3150	1.30	WA 47	DRE 100LC4	40	664
	374	74	3.89	3060	1.50	WAF 47	DRE 100LC4	41	663
	445	62	3.27	2940	1.75				
4.0	279	131	5.23	3040	0.85	W 47	DRE 132S4	56	662
	332	111	4.40	2960	1.00	WF 47	DRE 132S4	56	663
	375	98	3.89	2890	1.10	WA 47	DRE 132S4	54	664
	447	83	3.27	2800	1.35	WAF 47	DRE 132S4	55	663
5.5						W 47	DRE 132M4	68	662
	374	135	3.89	2650	0.80	WF 47	DRE 132M4	69	663
	445	114	3.27	2590	0.95	WA 47	DRE 132M4	67	664
						WAF 47	DRE 132M4	67	663



13.4 W..R..DRE/DRS [Nm]

$M_{a \max}$ [Nm]	n_a [1/min]	i	$F_{Ra}^{1)}$ [N]		m [kg]					
110	0.31	4402	3320							
	0.36	3795	3320							
	0.42	3272	3320							
	0.48	2899	3320							
	0.54	2558	3320							
	0.58	2382	3320		W	37R17	DR	63S4	13	665
	0.64	2172	3320		WF	37R17	DR	63S4	13	665
	0.71	1952	3320		WA	37R17	DR	63S4	13	665
	0.77	1795	3320		WAF	37R17	DR	63S4	13	665
	0.87	1593	3320							
	0.94	1463	3320							
	1.1	1298	3320							
	1.8	754	3320							
	2.1	669	3320							
	1.2	1173	3320							
	1.3	1063	3320							
	1.4	956	3320							
	1.6	854	3320							
	2.3	600	3320		W	37R17	DR	63S4	13	665
	2.6	532	3320		WF	37R17	DR	63S4	13	665
	2.9	472	3320		WA	37R17	DR	63S4	13	665
	3.2	434	3320		WAF	37R17	DR	63S4	13	665
	3.6	384	3320							
	3.8	359	3320							
	4.2	327	3320							
	4.8	286	3320							
	5.0	267	3320		W	37R17	DR	63M4	13	665
	5.7	233	3320		WF	37R17	DR	63M4	13	665
	6.4	207	3320		WA	37R17	DR	63M4	13	665
	7.2	184	3320		WAF	37R17	DR	63M4	13	665
	8.2	160	3320							
	9.2	141	3320		W	37R17	DR	63L4	14	665
	10	125	3320		WF	37R17	DR	63L4	14	665
12	109	3320		WA	37R17	DR	63L4	14	665	
				WAF	37R17	DR	63L4	14	665	
14	96	3320		W	37R17	DRS	71S4	15	665	
17	82	3320		WF	37R17	DRS	71S4	15	665	
				WA	37R17	DRS	71S4	15	665	
				WAF	37R17	DRS	71S4	15	665	
90	18	73	3610	W	37R17	DR	63L4	14	665	
				WF	37R17	DR	63L4	14	665	
				WA	37R17	DR	63L4	14	665	
				WAF	37R17	DR	63L4	14	665	
	22	63	3610	W	37R17	DRS	71S4	15	665	
	26	53	3610	WF	37R17	DRS	71S4	15	665	
29	48	3610	WA	37R17	DRS	71S4	15	665		
				WAF	37R17	DRS	71S4	15	665	
180	0.29	4815	6400							
	0.33	4173	6400							
	0.36	3870	6400							
	0.38	3598	6400							
	0.41	3354	6400							
	0.44	3171	6400							
	0.50	2748	6400							
	0.57	2425	6400		W	47R17	DR	63S4	19	665
	0.61	2258	6400		WF	47R17	DR	63S4	19	665
	0.65	2111	6400		WA	47R17	DR	63S4	17	665
	0.70	1959	6400		WAF	47R17	DR	63S4	18	665
	0.77	1797	6400							
	0.87	1595	6400							
	0.93	1486	6400							
	0.95	1448	6400							
	1.2	1170	6400							
	1.8	754	6400							



W..DRE/DRS
W..R..DRE/DRS [Nm]

$M_a \text{ max}$ [Nm]	n_a [1/min]	i	$F_{Ra}^{1)}$ [N]					m [kg]	
180	1.1	1290	6400						
	1.2	1183	6400						
	1.3	1042	6400						
	1.4	956	6400	W	47R17	DR	63S4	18	665
	1.6	869	6400	WF	47R17	DR	63S4	19	665
	2.1	661	6400	WA	47R17	DR	63S4	17	665
	2.3	596	6400	WAF	47R17	DR	63S4	18	665
	2.6	536	6400						
	2.9	473	6400						
	3.2	434	6400						
	3.4	386	6400						
	3.7	359	6400	W	47R17	DR	63M4	18	665
	4.2	318	6400	WF	47R17	DR	63M4	19	665
	4.5	291	6400	WA	47R17	DR	63M4	17	665
	4.9	270	6400	WAF	47R17	DR	63M4	18	665
	5.0	265	6400						
	5.5	237	6400	W	47R17	DR	63L4	19	665
	6.2	210	6400	WF	47R17	DR	63L4	20	665
	7.1	183	6400	WA	47R17	DR	63L4	18	665
	7.1	183	6400	WAF	47R17	DR	63L4	18	665
	8.7	159	6400	W	47R17	DRS	71S4	21	665
9.8	141	6400	WF	47R17	DRS	71S4	21	665	
9.8	141	6400	WA	47R17	DRS	71S4	19	665	
9.8	141	6400	WAF	47R17	DRS	71S4	20	665	
160				W	47R17	DR	63L4	19	665
				WF	47R17	DR	63L4	20	665
	11	124	6650	WA	47R17	DR	63L4	18	665
				WAF	47R17	DR	63L4	18	665
180				W	47R17	DRS	71S4	21	665
				WF	47R17	DRS	71S4	21	665
	11	120	6400	WA	47R17	DRS	71S4	19	665
				WAF	47R17	DRS	71S4	20	665
160	13	105	6650	W	47R17	DRS	71S4	21	665
	15	95	6650	WF	47R17	DRS	71S4	21	665
	16	85	6650	WA	47R17	DRS	71S4	19	665
				WAF	47R17	DRS	71S4	20	665
	18	77	6650	W	47R17	DRS	71M4	22	665
	19	72	6650	WF	47R17	DRS	71M4	23	665
				WA	47R17	DRS	71M4	21	665
				WAF	47R17	DRS	71M4	22	665