

11 SPIROPLAN®-Getriebemotoren

11.1 Geometrisch mögliche Kombinationen W..DRU..J (IE4)

W20, $n_e=1400 \text{ min}^{-1}$					40 Nm
n_a min^{-1}	M_{amax} Nm	F_{Ra} N	$\Phi_{(R)}$ °	i	DRU71SJ_FU
 1					
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	1740	-	6.57	

W30, $n_e=1400 \text{ min}^{-1}$					70 Nm		
n_a min^{-1}	M_{amax} Nm	F_{Ra} N	$\Phi_{(R)}$ °	i	DRU71SJ_FU	DRU71MJ_FU	DRU80SJ_FU
 1							
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	2640	-	6.57			

W37, $n_e=1400 \text{ min}^{-1}$					110 Nm			
n_a min^{-1}	M_{amax} Nm	F_{Ra} N	$\Phi_{(R)}$ °	i	DRU71SJ_FU	DRU71SJ DRU71MJ_FU DRU80SJ_FU	DRU71MJ DRU80SJ DRU80MJ_FU	DRU90MJ DRU90MJ_FU DRU90LJ_FU
 2								
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				
41	90	3610	-	34.52				
44	90	3610	-	31.67				
45	110	3320	-	31.33				

W37, $n_e=1400 \text{ min}^{-1}$					110 Nm			
n_a min^{-1}	M_{amax} Nm	F_{Ra} N	$\Phi_{(R)}$ °	i	DRU71SJ_FU	DRU71SJ DRU71MJ_FU DRU80SJ_FU	DRU71MJ DRU80SJ DRU80MJ_FU	DRU90MJ DRU90MJ_FU DRU90LJ_FU
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 min ⁻¹					110 Nm		
n _a min ⁻¹	M _{amax} Nm	F _{Ra} N	Φ _(/R) °	i	DRU71SJ_FU	DRU71MJ_FU DRU80SJ_FU	
 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			

W37R17, $n_e=1400 \text{ min}^{-1}$					110 Nm	
n_a min^{-1}	M_{amax} Nm	F_{Ra} N	$\Phi_{(R)}$ °	i	DRU71SJ_FU	DRU71MJ_FU DRU80SJ_FU
6.0	110	3320	-	233		
6.8	110	3320	-	207		
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, $n_e=1400 \text{ min}^{-1}$					180 Nm				
n_a min^{-1}	M_{amax} Nm	F_{Ra} N	$\Phi_{(R)}$ °	i	DRU71SJ_FU	DRU71SJ DRU71MJ_FU DRU80SJ_FU	DRU71MJ DRU80SJ DRU80MJ_FU	DRU80MJ DRU90MJ DRU90MJ_FU DRU90LJ_FU	DRU90LJ DRU100MJ_FU
 2									
19	180	6400	-	74.98					
20	180	6400	-	68.93					
24	180	6400	-	58.98					
27	180	6230	-	51.12					
29	180	6040	-	47.78					
34	180	5650	-	41.30					
40	180	5230	-	35.09					
44	160	5560	-	31.62					
45	180	4950	-	31.33					
51	160	5220	-	27.41					
52	180	4580	-	26.76					
55	160	5070	-	25.62					
56	180	4430	-	25.07					
63	160	4750	-	22.15					
74	160	4410	-	18.82					
83	160	4180	-	16.80					
98	160	3880	-	14.35					
104	160	3760	-	13.44					
114	110	4550	-	12.30					
124	160	3460	-	11.32					
131	110	4300	-	10.66					
141	110	4190	-	9.96					
163	110	3960	-	8.61					
191	110	3710	-	7.32					
214	110	3540	-	6.53					
251	110	3320	-	5.58					
268	110	3240	-	5.23					
318	110	3020	-	4.40					
360	110	2860	-	3.89					
428	110	2660	-	3.27					

W47R17, $n_e=1400 \text{ min}^{-1}$					180 Nm	
n_a min^{-1}	M_{amax} Nm	F_{Ra} N	$\Phi_{(R)}$ °	i	DRU71SJ_FU	DRU71MJ_FU DRU80SJ_FU
 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		
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		

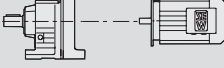
19391609/DE – 06/2017

11.2 Auswahltabellen W..DRU..J (IE4), 50 Hz

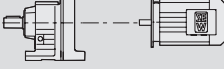
P _m = 0.18 kW											
n _a min ⁻¹ 50Hz	n _a min ⁻¹ 10-50Hz	M _a Nm	i	F _{Ra} ¹⁾ N	SEW f _B					m kg	
-	4.0 - 20	62	74.98	7100	2.9	W WF WA WAF	47	DRU	71SJ4	18	671
-	4.4 - 22	58	68.93	7120	3.1						
25	5.1 - 25	50	58.98	7160	3.6						
29	5.9 - 29	44	51.12	7190	4.1						
31	6.3 - 31	42	47.78	7200	4.3						
36	7.3 - 36	36	41.30	7230	4.9						
-	4.3 - 22	54	69.05	3960	2.0	W WF WA WAF	37	DRU	71SJ4	13	666
-	4.7 - 24	50	63.33	3990	2.2						
28	5.6 - 28	43	53.92	4030	2.5						
32	6.5 - 32	38	46.49	4050	2.9						
40	7.9 - 40	32	37.88	4080	3.5						
-	8.7 - 43	33	34.52	4080	2.7						
-	9.5 - 47	30	31.67	4090	3.0						
48	9.6 - 48	27	31.33	4100	4.1						
54	11 - 54	24	27.78	4110	4.6						
56	11 - 56	26	26.96	4100	3.5						
65	13 - 65	23	23.25	4110	4.0						
79	16 - 79	19	18.94	4120	4.8						
-	4.0 - 20	39	75.00*	3000	1.80	W WF WA WAF	30	DRU	71SJ4	12	662
-	5.0 - 25	36	60.00*	3000	1.95						
-	6.2 - 31	31	48.00*	3000	2.2						
-	7.7 - 38	28	39.00*	3000	2.5						
-	9.2 - 46	24	32.50*	3000	2.9						
-	11 - 55	22	27.50*	3000	3.1						
-	12 - 61	21	24.50*	3000	3.4						
-	15 - 77	18	19.50*	3000	4.0						
-	18 - 92	15	16.33	3000	4.0						
-	21 - 105	14	14.33	3000	4.4						
-	29 - 146	10	10.25*	3000	4.9						
-	37 - 183	8.4	8.20*	3000	4.8						
-	4.0 - 20	35	75.00*	2200	1.15	W WF WA WAF	20	DRU	71SJ4	9.1	659
-	5.0 - 25	31	60.00*	2200	1.30						
-	6.2 - 31	28	48.00*	2200	1.40						
-	7.7 - 38	26	39.00*	2200	1.55						
-	9.2 - 46	25	32.50*	2200	1.60						
-	11 - 55	21	27.50*	2200	1.90						
-	12 - 61	19	24.50*	2200	2.1						
-	15 - 77	16	19.50*	2200	2.1						
-	18 - 91	14	16.50*	2200	2.1						
-	21 - 105	13	14.33	2200	2.3						
-	29 - 146	9.9	10.25*	2110	2.5						
-	37 - 183	8.1	8.20*	1930	2.5						
-	46 - 228	6.8	6.57	1820	2.9						

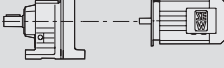
P _m = 0.25 kW											
n_a min ⁻¹ 50Hz	n_a min ⁻¹ 10-50Hz	M _a Nm	i	F _{Ra} ¹⁾ N	SEW f _B					m kg	
-	4.0 - 20	86	74.98	6970	2.1						
-	4.4 - 22	80	68.93	7000	2.2						
25	5.1 - 25	70	58.98	7060	2.6						
29	5.9 - 29	61	51.12	7100	2.9						
31	6.3 - 31	58	47.78	7120	3.1						
36	7.3 - 36	51	41.30	7100	3.5						
43	8.5 - 43	44	35.09	6780	4.1						
47	9.5 - 47	43	31.62	6630	3.7						
48	9.6 - 48	39	31.33	6560	4.6						
55	11 - 55	38	27.41	6360	4.3						
59	12 - 59	35	25.62	6230	4.6	W	47	DRU	71SJ4	18	671
						WF	47	DRU	71SJ4	19	672
						WA	47	DRU	71SJ4	17	673
						WAF	47	DRU	71SJ4	17	672

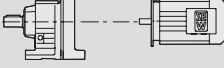
P_m = 0.25 kW

n_a min ⁻¹ 50Hz	n_a min ⁻¹ 10-50Hz	M_a Nm	i	$F_{Ra}^{1)}$ N	SEW f_B		m kg	
-	4.3 - 22	75	69.05	3790	1.45			
-	4.7 - 24	69	63.33	3840	1.60			
28	5.6 - 28	60	53.92	3920	1.80			
32	6.5 - 32	53	46.49	3970	2.1			
40	7.9 - 40	44	37.88	4020	2.5			
-	8.7 - 43	46	34.52	4020	2.0			
-	9.5 - 47	42	31.67	4040	2.1			
48	9.6 - 48	37	31.33	4060	3.0	W 37	DRU 71SJ4	13 666
54	11 - 54	33	27.78	4080	3.3	WF 37	DRU 71SJ4	13 667
56	11 - 56	36	26.96	4060	2.5	WA 37	DRU 71SJ4	13 669
65	13 - 65	32	23.25	4080	2.9	WAF 37	DRU 71SJ4	13 667
70	14 - 70	26	21.33	4100	4.2			
79	16 - 79	26	18.94	4100	3.5			
96	19 - 96	22	15.67	4120	4.2			
108	22 - 108	19	13.89	4060	4.6			
-	24 - 118	19	12.70	4050	3.8			
-	26 - 129	17	11.65	3940	4.1			
151	30 - 151	15	9.92	3750	4.8			
-	4.0 - 20	54	75.00*	3000	1.30			
-	5.0 - 25	50	60.00*	3000	1.40			
-	6.2 - 31	44	48.00*	3000	1.60			
-	7.7 - 38	40	39.00*	3000	1.75			
-	9.2 - 46	33	32.50*	3000	2.1	W 30	DRU 71SJ4	12 662
-	11 - 55	31	27.50*	3000	2.3	WF 30	DRU 71SJ4	12 663
-	12 - 61	29	24.50*	3000	2.4	WA 30	DRU 71SJ4	11 665
-	15 - 77	24	19.50*	3000	2.9	WAF 30	DRU 71SJ4	12 664
-	18 - 92	21	16.33	3000	2.9			
-	21 - 105	19	14.33	3000	3.2			
-	29 - 146	14	10.25*	3000	3.5			
-	37 - 183	12	8.20*	3000	3.5			
-	46 - 228	9.8	6.57	2840	4.1			
-	6.2 - 31	39	48.00*	2200	1.00			
-	7.7 - 38	36	39.00*	2200	1.10			
-	9.2 - 46	35	32.50*	2200	1.15			
-	11 - 55	30	27.50*	2200	1.35	W 20	DRU 71SJ4	9.1 659
-	12 - 61	27	24.50*	2200	1.50	WF 20	DRU 71SJ4	9.2 660
-	15 - 77	23	19.50*	2200	1.55	WA 20	DRU 71SJ4	8.8 661
-	18 - 91	20	16.50*	2200	1.50	WAF 20	DRU 71SJ4	8.8 660
-	21 - 105	18	14.33	2200	1.65			
-	29 - 146	14	10.25*	2080	1.80			
-	37 - 183	11	8.20*	1890	1.75			
-	46 - 228	9.5	6.57	1800	2.1			

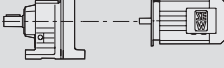
P_m = 0.37 kW

n_a min ⁻¹ 50Hz	n_a min ⁻¹ 10-50Hz	M_a Nm	i	$F_{Ra}^{1)}$ N	SEW f_B		m kg	
-	5.1 - 25	103	58.98	6870	1.75			
29	5.9 - 29	91	51.12	6940	2.0			
31	6.3 - 31	86	47.78	6970	2.1			
36	7.3 - 36	75	41.30	6790	2.4			
43	8.5 - 43	65	35.09	6520	2.8			
-	9.5 - 47	64	31.62	6410	2.5			
48	9.6 - 48	58	31.33	6320	3.1	W 47	DRU 71MJ4	18 671
55	11 - 55	55	27.41	6170	2.9	WF 47	DRU 71MJ4	19 672
56	11 - 56	50	26.76	6060	3.6	WA 47	DRU 71MJ4	17 673
59	12 - 59	52	25.62	6050	3.1	WAF 47	DRU 71MJ4	17 672
60	12 - 60	48	25.07	5950	3.8			
68	14 - 68	45	22.15	5810	3.5			
80	16 - 80	39	18.82	5550	4.1			
89	18 - 89	35	16.80	5370	4.6			
-	24 - 122	27	12.30	4980	4.0			
141	28 - 141	24	10.66	4770	4.6			
151	30 - 151	22	9.96	4670	4.9			

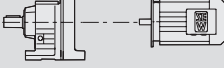
P_m = 0.37 kW								m kg		
n_a min⁻¹ 50Hz	n_a min⁻¹ 10-50Hz	M_a Nm	i	F_{Ra}¹⁾ N	SEW f_B					
-	5.6 - 28	89	53.92	3620	1.25					
32	6.5 - 32	78	46.49	3750	1.40					
40	7.9 - 40	65	37.88	3870	1.70					
48	9.6 - 48	55	31.33	3950	2.0					
54	11 - 54	49	27.78	3990	2.2					
-	11 - 56	54	26.96	3960	1.70					
65	13 - 65	47	23.25	4010	1.95					
70	14 - 70	39	21.33	4050	2.8					
79	16 - 79	38	18.94	4050	2.3					
96	19 - 96	32	15.67	4070	2.8					
108	22 - 108	29	13.89	3940	3.1					
141	28 - 141	22	10.67	3660	4.0					
-	30 - 151	22	9.92	3700	3.2					
175	35 - 175	19	8.55	3540	3.8					
215	43 - 215	15	6.97	3320	4.6					
						W	37	DRU	71MJ4	13 666
						WF	37	DRU	71MJ4	13 667
						WA	37	DRU	71MJ4	13 669
						WAF	37	DRU	71MJ4	13 667
-	6.2 - 31	64	48.00*	3000	1.10					
-	9.2 - 46	49	32.50*	3000	1.45					
-	11 - 55	46	27.50*	3000	1.55					
-	12 - 61	42	24.50*	3000	1.65					
-	18 - 92	31	16.33	3000	1.95					
-	21 - 105	28	14.33	3000	2.1					
-	29 - 146	21	10.25*	3000	2.4					
-	37 - 183	17	8.20*	2990	2.3					
-	46 - 228	14	6.57	2800	2.8					
						W	30	DRU	71MJ4	12 662
						WF	30	DRU	71MJ4	12 663
						WA	30	DRU	71MJ4	11 665
						WAF	30	DRU	71MJ4	12 664

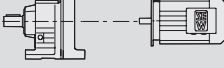
P_m = 0.55 kW								m kg		
n_a min⁻¹ 50Hz	n_a min⁻¹ 10-50Hz	M_a Nm	i	F_{Ra}¹⁾ N	SEW f_B					
-	5.1 - 25	154	58.98	6570	1.15					
29	5.9 - 29	135	51.12	6600	1.35					
31	6.3 - 31	127	47.78	6520	1.40					
36	7.3 - 36	112	41.30	6330	1.60					
43	8.5 - 43	96	35.09	6120	1.85					
-	9.5 - 47	94	31.62	6090	1.70					
48	9.6 - 48	87	31.33	5960	2.1					
55	11 - 55	82	27.41	5880	1.95					
56	11 - 56	75	26.76	5750	2.4					
59	12 - 59	77	25.62	5790	2.1					
60	12 - 60	71	25.07	5660	2.5					
68	14 - 68	67	22.15	5580	2.4					
80	16 - 80	58	18.82	5350	2.8					
89	18 - 89	52	16.80	5190	3.1					
105	21 - 105	45	14.35	4970	3.6					
112	22 - 112	42	13.44	4880	3.8					
-	24 - 122	41	12.30	4900	2.7					
132	26 - 132	36	11.32	4650	4.5					
141	28 - 141	35	10.66	4690	3.1					
151	30 - 151	33	9.96	4600	3.3					
174	35 - 174	29	8.61	4400	3.8					
205	41 - 205	24	7.32	4180	4.5					
						W	47	DRU	80SJ4	23 671
						WF	47	DRU	80SJ4	23 672
						WA	47	DRU	80SJ4	21 673
						WAF	47	DRU	80SJ4	22 672
40	7.9 - 40	97	37.88	3520	1.15					
48	9.6 - 48	82	31.33	3710	1.35					
54	11 - 54	74	27.78	3800	1.50					
-	11 - 56	80	26.96	3740	1.15					
65	13 - 65	69	23.25	3840	1.30					
70	14 - 70	58	21.33	3930	1.90					
79	16 - 79	57	18.94	3940	1.60					
96	19 - 96	48	15.67	3870	1.90					
108	22 - 108	43	13.89	3760	2.1					
141	28 - 141	33	10.67	3520	2.7					
-	30 - 151	32	9.92	3630	2.2					
175	35 - 175	28	8.55	3470	2.5					
215	43 - 215	23	6.97	3270	3.1					
260	52 - 260	19	5.77	3080	3.7					
293	59 - 293	17	5.11	2970	4.2					
						W	37	DRU	80SJ4	16 666
						WF	37	DRU	80SJ4	16 667
						WA	37	DRU	80SJ4	16 669
						WAF	37	DRU	80SJ4	16 667

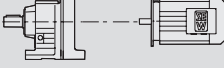
P_m = 0.55 kW

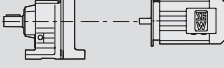
n_a min ⁻¹ 50Hz	n_a min ⁻¹ 10-50Hz	M_a Nm	i	$F_{Ra}^{1)}$ N	SEW f_B		m kg	
-	11 - 55	68	27.50*	3000	1.05			
-	12 - 61	63	24.50*	3000	1.10			
-	18 - 92	46	16.33	3000	1.30			
-	21 - 105	42	14.33	3000	1.45			
-	29 - 146	31	10.25*	3000	1.60			
-	37 - 183	26	8.20*	2910	1.55			
-	46 - 228	22	6.57	2740	1.85			
						W 30	DRU 80SJ4	15 662
						WF 30	DRU 80SJ4	15 663
						WA 30	DRU 80SJ4	14 665
						WAF 30	DRU 80SJ4	15 664

P_m = 0.75 kW

n_a min ⁻¹ 50Hz	n_a min ⁻¹ 10-50Hz	M_a Nm	i	$F_{Ra}^{1)}$ N	SEW f_B		m kg	
-	6.3 - 31	173	47.78	5940	1.05			
36	7.3 - 36	152	41.30	5820	1.20			
43	8.5 - 43	131	35.09	5680	1.35			
48	9.6 - 48	118	31.33	5570	1.50			
-	11 - 55	112	27.41	5570	1.40			
56	11 - 56	102	26.76	5400	1.75			
-	12 - 59	105	25.62	5490	1.50			
60	12 - 60	96	25.07	5340	1.85			
68	14 - 68	92	22.15	5320	1.75			
80	16 - 80	79	18.82	5130	2.0			
89	18 - 89	71	16.80	4990	2.3			
105	21 - 105	61	14.35	4800	2.6			
112	22 - 112	57	13.44	4720	2.8			
132	26 - 132	48	11.32	4520	3.3			
-	28 - 141	48	10.66	4600	2.3			
-	30 - 151	45	9.96	4520	2.4			
174	35 - 174	39	8.61	4330	2.8			
205	41 - 205	33	7.32	4120	3.3			
230	46 - 230	30	6.53	3990	3.7			
269	54 - 269	26	5.58	3800	4.3			
287	57 - 287	24	5.23	3720	4.6			
-	11 - 54	100	27.78	3480	1.10			
-	14 - 70	79	21.33	3740	1.40			
-	16 - 79	78	18.94	3750	1.15			
-	19 - 96	65	15.67	3640	1.40			
-	22 - 108	58	13.89	3560	1.55			
-	28 - 141	45	10.67	3360	2.0			
-	35 - 175	38	8.55	3400	1.85			
-	43 - 215	31	6.97	3210	2.3			
-	52 - 260	26	5.77	3040	2.7			
-	59 - 293	23	5.11	2930	3.1			
-	76 - 382	18	3.93	2700	4.0			
-	94 - 469	14	3.20*	2540	4.9			
						W 37	DRU 80MJ4	18 666
						WF 37	DRU 80MJ4	18 667
						WA 37	DRU 80MJ4	18 669
						WAF 37	DRU 80MJ4	18 667

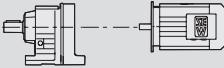
P_m = 1.1 kW								m kg		
n_a min⁻¹ 50Hz	n_a min⁻¹ 10-50Hz	M_a Nm	i	F_{Ra}¹⁾ N	SEW f_B					
48	9.6 - 48	174	31.33	4870	1.05					
56	11 - 56	150	26.76	4800	1.20					
60	12 - 60	141	25.07	4770	1.25					
68	14 - 68	135	22.15	4870	1.20					
80	16 - 80	115	18.82	4740	1.40					
89	18 - 89	104	16.80	4640	1.55					
105	21 - 105	89	14.35	4500	1.80					
112	22 - 112	84	13.44	4440	1.90					
132	26 - 132	71	11.32	4280	2.2					
174	35 - 174	57	8.61	4200	1.90					
205	41 - 205	49	7.32	4020	2.2					
230	46 - 230	44	6.53	3890	2.5					
269	54 - 269	38	5.58	3720	2.9					
287	57 - 287	35	5.23	3650	3.1					
341	68 - 341	30	4.40	3470	3.7					
386	77 - 386	26	3.89	3340	4.2					
459	92 - 459	22	3.27	3170	5.0					
108	22 - 108	85	13.89	3210	1.05					
141	28 - 141	66	10.67	3090	1.35					
215	43 - 215	45	6.97	3110	1.55					
260	52 - 260	38	5.77	2950	1.85					
293	59 - 293	33	5.11	2860	2.1					
382	76 - 382	26	3.93	2650	2.7					
469	94 - 469	21	3.20*	2500	3.3					
						W	47	DRU	90MJ4	29 671
						WF	47	DRU	90MJ4	30 672
						WA	47	DRU	90MJ4	28 673
						WAF	47	DRU	90MJ4	28 672
						W	37	DRU	90MJ4	23 666
						WF	37	DRU	90MJ4	23 667
						WA	37	DRU	90MJ4	23 669
						WAF	37	DRU	90MJ4	23 667

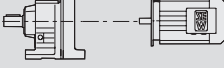
P_m = 1.5 kW								m kg		
n_a min⁻¹ 50Hz	n_a min⁻¹ 10-50Hz	M_a Nm	i	F_{Ra}¹⁾ N	SEW f_B					
80	16 - 80	157	18.82	4300	1.00					
89	18 - 89	141	16.80	4250	1.15					
105	21 - 105	122	14.35	4160	1.30					
112	22 - 112	114	13.44	4120	1.40					
132	26 - 132	97	11.32	4010	1.65					
-	35 - 174	78	8.61	4060	1.40					
205	41 - 205	67	7.32	3900	1.65					
230	46 - 230	60	6.53	3780	1.85					
269	54 - 269	51	5.58	3630	2.1					
287	57 - 287	48	5.23	3560	2.3					
341	68 - 341	40	4.40	3400	2.7					
386	77 - 386	36	3.89	3280	3.1					
459	92 - 459	30	3.27	3120	3.6					
-	28 - 141	90	10.67	2780	1.00					
-	43 - 215	62	6.97	3000	1.15					
-	52 - 260	51	5.77	2860	1.35					
-	59 - 293	46	5.11	2770	1.55					
-	76 - 382	35	3.93	2580	2.0					
-	94 - 469	29	3.20*	2440	2.4					
						W	47	DRU	90LJ4	32 671
						WF	47	DRU	90LJ4	32 672
						WA	47	DRU	90LJ4	30 673
						WAF	47	DRU	90LJ4	31 672
						W	37	DRU	90LJ4	26 666
						WF	37	DRU	90LJ4	26 667
						WA	37	DRU	90LJ4	26 669
						WAF	37	DRU	90LJ4	26 667

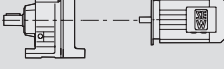
P_m = 2.2 kW								m kg		
n_a min⁻¹ 50Hz	n_a min⁻¹ 10-50Hz	M_a Nm	i	F_{Ra}¹⁾ N	SEW f_B					
-	26 - 132	142	11.32	3530	1.15					
-	41 - 205	98	7.32	3690	1.10					
-	46 - 230	88	6.53	3600	1.25					
-	54 - 269	75	5.58	3470	1.45					
-	57 - 287	70	5.23	3410	1.55					
-	68 - 341	59	4.40	3270	1.85					
-	77 - 386	52	3.89	3170	2.1					
-	92 - 459	44	3.27	3020	2.5					
						W	47	DRU	100MJ4	37 671
						WF	47	DRU	100MJ4	37 672
						WA	47	DRU	100MJ4	35 673
						WAF	47	DRU	100MJ4	36 672

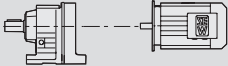
11.3 Auswahltabellen W..DRU..J (IE4), 87 Hz

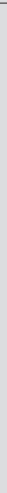
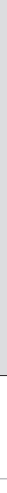
P_m = 0.25 kW										
	n_a min⁻¹ 10-87Hz	M_a Nm	i	F_{Ra}¹⁾ N	SEW f_B					m kg 
-	4.0 - 35	53	74.98	7150	3.4	W	47	DRU	71SJ4	18 671
-	4.4 - 38	49	68.93	7020	3.7	WF	47	DRU	71SJ4	19 672
-	5.1 - 44	42	58.98	6710	4.2	WA	47	DRU	71SJ4	17 673
-	5.9 - 51	37	51.12	6440	4.8	WAF	47	DRU	71SJ4	17 672
-	4.3 - 38	46	69.05	4010	2.4					
-	4.7 - 41	43	63.33	4030	2.6					
-	5.6 - 48	37	53.92	4060	3.0					
-	6.5 - 56	32	46.49	4080	3.4	W	37	DRU	71SJ4	13 666
-	7.9 - 69	27	37.88	4100	4.1	WF	37	DRU	71SJ4	13 667
-	8.7 - 76	27	34.52	4100	3.3	WA	37	DRU	71SJ4	13 669
-	9.5 - 82	25	31.67	4100	3.6	WAF	37	DRU	71SJ4	13 667
-	9.6 - 83	23	31.33	4110	4.9					
-	11 - 97	22	26.96	4120	4.2					
-	13 - 112	19	23.25	4010	4.8					
-	4.0 - 35	33	75.00*	3000	2.1					
-	5.0 - 44	30	60.00*	3000	2.3					
-	6.3 - 54	26	48.00*	3000	2.7	W	30	DRU	71SJ4	12 662
-	7.7 - 67	24	39.00*	3000	3.0	WF	30	DRU	71SJ4	12 663
-	9.2 - 80	20	32.50*	3000	3.5	WA	30	DRU	71SJ4	11 665
-	11 - 95	18	27.50*	3000	3.8	WAF	30	DRU	71SJ4	12 664
-	12 - 107	17	24.50*	3000	4.1					
-	15 - 134	14	19.50*	3000	4.9					
-	18 - 160	12	16.33	3000	4.9					
-	4.0 - 35	30	75.00*	2200	1.30					
-	5.0 - 44	26	60.00*	2200	1.55					
-	6.3 - 54	24	48.00*	2200	1.65					
-	7.7 - 67	22	39.00*	2200	1.85					
-	9.2 - 80	21	32.50*	2200	1.90	W	20	DRU	71SJ4	9.1 659
-	11 - 95	18	27.50*	2200	2.3	WF	20	DRU	71SJ4	9.2 660
-	12 - 107	16	24.50*	2200	2.5	WA	20	DRU	71SJ4	8.8 661
-	15 - 134	14	19.50*	2150	2.6	WAF	20	DRU	71SJ4	8.8 660
-	18 - 158	12	16.50*	2040	2.5					
-	21 - 182	11	14.33	1950	2.8					
-	29 - 255	8.1	10.25*	1760	3.1					
-	37 - 318	6.6	8.20*	1610	3.0					
-	46 - 397	5.6	6.57	1510	3.6					

P_m = 0.37 kW										
	n_a min⁻¹ 10-87Hz	M_a Nm	i	F_{Ra}¹⁾ N	SEW f_B					m kg 
-	4.0 - 35	78	74.98	6870	2.3					
-	4.4 - 38	72	68.93	6720	2.5					
-	5.1 - 44	63	58.98	6460	2.9	W	47	DRU	71SJ4	18 671
-	5.9 - 51	55	51.12	6220	3.3	WF	47	DRU	71SJ4	19 672
-	6.3 - 55	52	47.78	6100	3.5	WA	47	DRU	71SJ4	17 673
-	7.3 - 63	45	41.30	5860	4.0	WAF	47	DRU	71SJ4	17 672
-	8.5 - 74	39	35.09	5600	4.6					
-	9.5 - 83	38	31.62	5490	4.3					
-	11 - 95	33	27.41	5270	4.9					

P_m = 0.37 kW								m kg		
	n_a min⁻¹ 10-87Hz	M_a Nm	i	F_{Ra}¹⁾ N	SEW f_B					
-	4.3 - 38	68	69.05	3850	1.60					
-	4.7 - 41	63	63.33	3890	1.75					
-	5.6 - 48	55	53.92	3960	2.0					
-	6.5 - 56	48	46.49	4000	2.3					
-	7.9 - 69	40	37.88	4050	2.8					
-	8.7 - 76	40	34.52	4040	2.2					
-	9.5 - 82	37	31.67	4060	2.4	W	37	DRU	71SJ4	13 666
-	9.6 - 83	33	31.33	4080	3.3	WF	37	DRU	71SJ4	13 667
-	11 - 94	30	27.78	4060	3.7	WA	37	DRU	71SJ4	13 669
-	11 - 97	32	26.96	4060	2.8	WAF	37	DRU	71SJ4	13 667
-	13 - 112	28	23.25	3890	3.3					
-	14 - 122	24	21.33	3770	4.7					
-	16 - 138	23	18.94	3680	4.0					
-	19 - 167	19	15.67	3480	4.7					
-	24 - 205	16	12.70	3360	4.4					
-	26 - 224	15	11.65	3280	4.8					
-	4.0 - 35	49	75.00*	3000	1.45					
-	5.0 - 44	45	60.00*	3000	1.55					
-	6.3 - 54	39	48.00*	3000	1.80					
-	7.7 - 67	35	39.00*	3000	2.0					
-	9.2 - 80	30	32.50*	3000	2.4	W	30	DRU	71SJ4	12 662
-	11 - 95	27	27.50*	3000	2.6	WF	30	DRU	71SJ4	12 663
-	12 - 107	25	24.50*	3000	2.8	WA	30	DRU	71SJ4	11 665
-	15 - 134	21	19.50*	3000	3.3	WAF	30	DRU	71SJ4	12 664
-	18 - 160	18	16.33	3000	3.3					
-	21 - 182	16	14.33	2980	3.7					
-	29 - 255	12	10.25*	2750	4.1					
-	37 - 318	10	8.20*	2520	4.0					
-	46 - 397	8.5	6.57	2360	4.7					
-	5.0 - 44	39	60.00*	2200	1.05					
-	6.3 - 54	35	48.00*	2200	1.15					
-	7.7 - 67	32	39.00*	2200	1.25					
-	9.2 - 80	31	32.50*	2200	1.30					
-	11 - 95	26	27.50*	2200	1.55	W	20	DRU	71SJ4	9.1 659
-	12 - 107	24	24.50*	2200	1.70	WF	20	DRU	71SJ4	9.2 660
-	15 - 134	20	19.50*	2100	1.75	WA	20	DRU	71SJ4	8.8 661
-	18 - 158	18	16.50*	1990	1.70	WAF	20	DRU	71SJ4	8.8 660
-	21 - 182	16	14.33	1910	1.90					
-	29 - 255	12	10.25*	1730	2.1					
-	37 - 318	9.8	8.20*	1570	2.0					
-	46 - 397	8.2	6.57	1490	2.4					

P_m = 0.55 kW								m kg		
	n_a min⁻¹ 10-87Hz	M_a Nm	i	F_{Ra}¹⁾ N	SEW f_B					
-	5.1 - 44	93	58.98	6070	1.95					
-	5.9 - 51	82	51.12	5880	2.2					
-	6.3 - 55	77	47.78	5780	2.3					
-	7.3 - 63	67	41.30	5590	2.7					
-	8.5 - 74	58	35.09	5360	3.1					
-	9.5 - 83	56	31.62	5300	2.9	W	47	DRU	71MJ4	18 671
-	9.6 - 83	52	31.33	5210	3.5	WF	47	DRU	71MJ4	19 672
-	11 - 95	49	27.41	5100	3.3	WA	47	DRU	71MJ4	17 673
-	11 - 98	45	26.76	5000	4.0	WAF	47	DRU	71MJ4	17 672
-	12 - 102	46	25.62	5010	3.5					
-	12 - 104	42	25.07	4920	4.3					
-	14 - 118	40	22.15	4810	4.0					
-	16 - 139	34	18.82	4590	4.7					
-	24 - 212	24	12.30	4140	4.7					

P _m = 0.55 kW																	
	n _a min ⁻¹ 10-87Hz	M _a Nm	i	F _{Ra} ¹⁾ N	SEW f _B					m kg							
-	5.6 - 48	81	53.92	3720	1.35												
-	6.5 - 56	71	46.49	3820	1.55												
-	7.9 - 69	59	37.88	3920	1.85												
-	9.6 - 83	50	31.33	3940	2.2												
-	11 - 94	44	27.78	3840	2.5												
-	11 - 97	47	26.96	3860	1.90							W	37	DRU	71MJ4	13	666
-	13 - 112	41	23.25	3720	2.2							WF	37	DRU	71MJ4	13	667
-	14 - 122	35	21.33	3600	3.1							WA	37	DRU	71MJ4	13	669
-	16 - 138	34	18.94	3540	2.7							WAF	37	DRU	71MJ4	13	667
-	19 - 167	28	15.67	3360	3.2												
-	22 - 188	25	13.89	3260	3.6												
-	28 - 245	20	10.67	3030	4.6												
-	30 - 263	19	9.92	3070	3.8												
-	35 - 305	16	8.55	2940	4.3												
-	5.0 - 44	67	60.00*	3000	1.05												
-	6.3 - 54	58	48.00*	3000	1.20												
-	9.2 - 80	44	32.50*	3000	1.60												
-	11 - 95	40	27.50*	3000	1.75							W	30	DRU	71MJ4	12	662
-	12 - 107	37	24.50*	3000	1.90							WF	30	DRU	71MJ4	12	663
-	18 - 160	27	16.33	3000	2.2							WA	30	DRU	71MJ4	11	665
-	21 - 182	24	14.33	2900	2.5							WAF	30	DRU	71MJ4	12	664
-	29 - 255	18	10.25*	2710	2.8												
-	37 - 318	15	8.20*	2480	2.7												
-	46 - 397	13	6.57	2320	3.2												

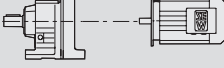
P _m = 0.75 kW												
	n _a min ⁻¹ 10-87Hz	M _a Nm	i	F _{Ra} ¹⁾ N	SEW f _B					m kg		
-	5.1 - 44	127	58.98	5640	1.40		W	47	DRU	80SJ4	23	671
-	5.9 - 51	112	51.12	5500	1.60							
-	6.3 - 55	105	47.78	5430	1.70							
-	7.3 - 63	92	41.30	5280	1.95							
-	8.5 - 74	79	35.09	5100	2.3							
-	9.5 - 83	76	31.62	5090	2.1							
-	9.6 - 83	71	31.33	4970	2.5							
-	11 - 95	66	27.41	4910	2.4							
-	11 - 98	61	26.76	4800	2.9							
-	12 - 102	62	25.62	4830	2.6							
-	12 - 104	58	25.07	4720	3.1							
-	14 - 118	54	22.15	4660	3.0							
-	16 - 139	46	18.82	4460	3.5							
-	18 - 155	42	16.80	4330	3.9							
-	21 - 182	36	14.35	4150	4.5							
-	22 - 194	34	13.44	4070	4.8							
-	24 - 212	32	12.30	4080	3.4							
-	28 - 245	28	10.66	3910	3.9							
-	30 - 262	26	9.96	3830	4.2							
-	35 - 303	23	8.61	3660	4.8							
-	6.5 - 56	97	46.49	3520	1.15		W	37	DRU	80SJ4	16	666
-	7.9 - 69	80	37.88	3730	1.35							
-	9.6 - 83	68	31.33	3670	1.60							
-	11 - 94	61	27.78	3590	1.80							
-	11 - 97	64	26.96	3640	1.40							
-	13 - 112	56	23.25	3530	1.60							
-	14 - 122	48	21.33	3410	2.3							
-	16 - 138	46	18.94	3380	1.95							
-	19 - 167	38	15.67	3230	2.3							
-	22 - 188	34	13.89	3140	2.6							
-	28 - 245	27	10.67	2940	3.4							
-	30 - 263	25	9.92	3030	2.8							
-	35 - 305	22	8.55	2900	3.2							
-	43 - 374	18	6.97	2720	3.9							
-	52 - 453	15	5.77	2570	4.7							

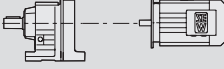
P_m = 0.75 kW

	n_a min ⁻¹ 10-87Hz	M_a Nm	i	$F_{Ra}^{1)}$ N	SEW f_B					m kg	
-	9.2 - 80	60	32.50*	3000	1.15						
-	11 - 95	55	27.50*	3000	1.30						
-	12 - 107	51	24.50*	3000	1.40	W	30	DRU	80SJ4	15	662
-	18 - 160	37	16.33	2890	1.65	WF	30	DRU	80SJ4	15	663
-	21 - 182	33	14.33	2800	1.80	WA	30	DRU	80SJ4	14	665
-	29 - 255	25	10.25*	2670	2.0	WAF	30	DRU	80SJ4	15	664
-	37 - 318	20	8.20*	2430	1.95						
-	46 - 397	17	6.57	2280	2.3						

P_m = 1.1 kW

	n_a min ⁻¹ 10-87Hz	M_a Nm	i	$F_{Ra}^{1)}$ N	SEW f_B					m kg	
-	5.9 - 51	164	51.12	4840	1.10						
-	6.3 - 55	154	47.78	4810	1.15						
-	7.3 - 63	134	41.30	4740	1.35						
-	8.5 - 74	116	35.09	4630	1.55						
-	9.6 - 83	104	31.33	4550	1.75						
-	11 - 95	97	27.41	4590	1.65						
-	11 - 98	90	26.76	4430	2.0						
-	12 - 102	91	25.62	4530	1.75						
-	12 - 104	84	25.07	4380	2.1	W	47	DRU	80MJ4	26	671
-	14 - 118	80	22.15	4390	2.0	WF	47	DRU	80MJ4	26	672
-	16 - 139	68	18.82	4240	2.4	WA	47	DRU	80MJ4	24	673
-	18 - 155	61	16.80	4120	2.6	WAF	47	DRU	80MJ4	25	672
-	21 - 182	52	14.35	3970	3.0						
-	22 - 194	49	13.44	3910	3.2						
-	26 - 231	42	11.32	3740	3.8						
-	28 - 245	41	10.66	3820	2.7						
-	30 - 262	38	9.96	3750	2.9						
-	35 - 303	33	8.61	3590	3.3						
-	41 - 357	28	7.32	3420	3.9						
-	46 - 399	25	6.53	3310	4.3						
-	9.6 - 83	99	31.33	3190	1.10						
-	11 - 94	89	27.78	3160	1.25						
-	13 - 112	82	23.25	3200	1.10						
-	14 - 122	70	21.33	3070	1.60						
-	16 - 138	68	18.94	3100	1.35	W	37	DRU	80MJ4	18	666
-	19 - 167	56	15.67	3000	1.60	WF	37	DRU	80MJ4	18	667
-	22 - 188	50	13.89	2930	1.80	WA	37	DRU	80MJ4	18	669
-	28 - 245	39	10.67	2780	2.3	WAF	37	DRU	80MJ4	18	667
-	35 - 305	32	8.55	2830	2.2						
-	43 - 374	26	6.97	2660	2.7						
-	52 - 453	22	5.77	2520	3.2						
-	59 - 511	19	5.11	2430	3.6						
-	76 - 665	15	3.93	2250	4.7						

P_m = 1.5 kW								m kg		
	n_a min⁻¹ 10-87Hz	M_a Nm	i	F_{Ra}¹⁾ N	SEW f_B					
-	8.5 - 74	158	35.09	4100	1.15					
-	9.6 - 83	142	31.33	4080	1.25					
-	11 - 98	123	26.76	4020	1.45					
-	12 - 104	115	25.07	3990	1.55					
-	14 - 118	108	22.15	4090	1.50					
-	16 - 139	93	18.82	3970	1.70					
-	18 - 155	83	16.80	3890	1.90	W	47	DRU	90MJ4	29 671
-	21 - 182	72	14.35	3770	2.2	WF	47	DRU	90MJ4	30 672
-	22 - 194	67	13.44	3720	2.4	WA	47	DRU	90MJ4	28 673
-	26 - 231	57	11.32	3580	2.8	WAF	47	DRU	90MJ4	28 672
-	35 - 303	45	8.61	3510	2.4					
-	41 - 357	39	7.32	3360	2.8					
-	46 - 399	35	6.53	3250	3.2					
-	54 - 468	30	5.58	3100	3.7					
-	57 - 499	28	5.23	3040	4.0					
-	68 - 593	23	4.40	2890	4.7					
-	14 - 122	95	21.33	2690	1.15					
-	19 - 167	77	15.67	2740	1.15	W	37	DRU	90MJ4	23 666
-	22 - 188	68	13.89	2700	1.30	WF	37	DRU	90MJ4	23 667
-	28 - 245	53	10.67	2600	1.70	WA	37	DRU	90MJ4	23 669
-	43 - 374	36	6.97	2600	1.95	WAF	37	DRU	90MJ4	23 667
-	52 - 453	30	5.77	2470	2.4					
-	59 - 511	26	5.11	2380	2.6					
-	76 - 665	20	3.93	2210	3.5					
-	94 - 816	17	3.20*	2080	4.2					

P_m = 2.2 kW								m kg		
	n_a min⁻¹ 10-87Hz	M_a Nm	i	F_{Ra}¹⁾ N	SEW f_B					
-	11 - 98	180	26.76	3300	1.00					
-	12 - 104	169	25.07	3310	1.05					
-	14 - 118	159	22.15	3550	1.00					
-	16 - 139	136	18.82	3520	1.20					
-	18 - 155	122	16.80	3480	1.30					
-	21 - 182	105	14.35	3420	1.55	W	47	DRU	90LJ4	32 671
-	22 - 194	98	13.44	3390	1.60	WF	47	DRU	90LJ4	32 672
-	26 - 231	83	11.32	3300	1.90	WA	47	DRU	90LJ4	30 673
-	35 - 303	67	8.61	3370	1.65	WAF	47	DRU	90LJ4	31 672
-	41 - 357	57	7.32	3230	1.95					
-	46 - 399	51	6.53	3140	2.2					
-	54 - 468	43	5.58	3010	2.5					
-	57 - 499	41	5.23	2960	2.7					
-	68 - 593	34	4.40	2820	3.2					
-	77 - 671	30	3.89	2720	3.6					
-	92 - 799	26	3.27	2590	4.3					
-	28 - 245	78	10.67	2280	1.15	W	37	DRU	90LJ4	26 666
-	43 - 374	52	6.97	2490	1.35	WF	37	DRU	90LJ4	26 667
-	52 - 453	44	5.77	2370	1.60	WA	37	DRU	90LJ4	26 669
-	59 - 511	39	5.11	2300	1.80	WAF	37	DRU	90LJ4	26 667
-	76 - 665	30	3.93	2140	2.4					
-	94 - 816	24	3.20*	2030	2.9					

P_m = 3.0 kW											
	n_a min⁻¹ 10-87Hz	M_a Nm	i	F_{Ra}¹⁾ N	SEW f_B					m kg	
-	21 - 182	143	14.35	3020	1.10						
-	22 - 194	134	13.44	3010	1.20						
-	26 - 231	114	11.32	2980	1.40						
-	41 - 357	77	7.32	3090	1.40	W	47	DRU	100MJ4	37	671
-	46 - 399	69	6.53	3020	1.60	WF	47	DRU	100MJ4	37	672
-	54 - 468	59	5.58	2900	1.85	WA	47	DRU	100MJ4	35	673
-	57 - 499	56	5.23	2860	2.0	WAF	47	DRU	100MJ4	36	672
-	68 - 593	47	4.40	2740	2.4						
-	77 - 671	41	3.89	2650	2.7						
-	92 - 799	35	3.27	2530	3.1						

11.4 Geometrisch mögliche Kombinationen W..DRE..J (IE2)

W20, $n_e=1400 \text{ min}^{-1}$					40 Nm
n_a min^{-1}	M_{amax} Nm	F_{Ra} N	$\Phi_{(R)}$ °	i	DRE71SJ_FU
 1					
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	1740	-	6.57	

11

W30, $n_e=1400 \text{ min}^{-1}$					70 Nm		
n_a min^{-1}	M_{amax} Nm	F_{Ra} N	$\Phi_{(R)}$ °	i	DRE71SJ_FU	DRE71MJ_FU	DRE80SJ_FU
 1							
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	2640	-	6.57			

W37, $n_e=1400 \text{ min}^{-1}$					110 Nm			
n_a min^{-1}	M_{amax} Nm	F_{Ra} N	$\Phi_{(R)}$ °	i	DRE71SJ_FU	DRE71SJ DRE71MJ_FU DRE80SJ_FU	DRE71MJ DRE80SJ DRE80MJ_FU	DRE90MJ DRE90MJ_FU DRE90LJ_FU
 2								
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				
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				

19391609/DE – 06/2017

W37, $n_e=1400 \text{ min}^{-1}$						110 Nm		
n_a min^{-1}	M_{amax} Nm	F_{Ra} N	$\Phi_{(R)}$ °	i	DRE71SJ_FU	DRE71SJ DRE71MJ_FU DRE80SJ_FU	DRE71MJ DRE80SJ DRE80MJ_FU	DRE90MJ DRE90MJ_FU DRE90LJ_FU
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 min ⁻¹						110 Nm	
n _a min ⁻¹	M _{amax} Nm	F _{Ra} N	φ _(/R) °	i	DRE71SJ_FU	DRE71MJ_FU DRE80SJ_FU	
 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, $n_e=1400 \text{ min}^{-1}$					110 Nm	
n_a min^{-1}	M_{amax} Nm	F_{Ra} N	$\Phi_{(R)}$ °	i	DRE71SJ_FU	DRE71MJ_FU DRE80SJ_FU
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		

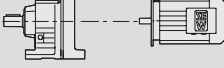
W47, $n_e=1400 \text{ min}^{-1}$					180 Nm				
n_a min^{-1}	M_{amax} Nm	F_{Ra} N	$\Phi_{(R)}$ °	i	DRE71SJ_FU	DRE71SJ DRE71MJ_FU DRE80SJ_FU	DRE71MJ DRE80SJ DRE80MJ_FU	DRE80MJ DRE90MJ DRE90MJ_FU DRE90LJ_FU	DRE90LJ DRE100MJ_FU
 2									
19	180	6400	-	74.98					
20	180	6400	-	68.93					
24	180	6400	-	58.98					
27	180	6230	-	51.12					
29	180	6040	-	47.78					
34	180	5650	-	41.30					
40	180	5230	-	35.09					
44	160	5560	-	31.62					
45	180	4950	-	31.33					
51	160	5220	-	27.41					
52	180	4580	-	26.76					
55	160	5070	-	25.62					
56	180	4430	-	25.07					
63	160	4750	-	22.15					
74	160	4410	-	18.82					
83	160	4180	-	16.80					
98	160	3880	-	14.35					
104	160	3760	-	13.44					
114	110	4550	-	12.30					
124	160	3460	-	11.32					
131	110	4300	-	10.66					
141	110	4190	-	9.96					
163	110	3960	-	8.61					
191	110	3710	-	7.32					
214	110	3540	-	6.53					
251	110	3320	-	5.58					
268	110	3240	-	5.23					
318	110	3020	-	4.40					
360	110	2860	-	3.89					
428	110	2660	-	3.27					

W47R17, $n_e=1400 \text{ min}^{-1}$					180 Nm	
n_a min^{-1}	M_{amax} Nm	F_{Ra} N	$\Phi_{(R)}$ °	i	DRE71SJ_FU	DRE71MJ_FU DRE80SJ_FU
 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		
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		

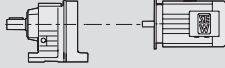
11.5 Auswahltabellen W..DRE..J (IE2), 50 Hz

P_m = 0.37 kW								m kg			
n_a min⁻¹ 50Hz	n_a min⁻¹ 10-50Hz	M_a Nm	i	F_{Ra}¹⁾ N	SEW f_B						
-	4.0 - 20	128	74.98	6730	1.40						
-	4.4 - 22	119	68.93	6780	1.50						
25	5.1 - 25	103	58.98	6870	1.75						
29	5.9 - 29	91	51.12	6940	2.0						
31	6.3 - 31	86	47.78	6970	2.1						
36	7.3 - 36	75	41.30	6790	2.4						
43	8.5 - 43	65	35.09	6520	2.8						
47	9.5 - 47	64	31.62	6410	2.5						
48	9.6 - 48	58	31.33	6320	3.1						
55	11 - 55	55	27.41	6170	2.9						
56	11 - 56	50	26.76	6060	3.6						
59	12 - 59	52	25.62	6050	3.1						
60	12 - 60	48	25.07	5950	3.8						
68	14 - 68	45	22.15	5810	3.5						
80	16 - 80	39	18.82	5550	4.1						
89	18 - 89	35	16.80	5370	4.6						
122	24 - 122	27	12.30	4980	4.0						
141	28 - 141	24	10.66	4770	4.6						
151	30 - 151	22	9.96	4670	4.9						
						W	47	DRE	71SJ4	18	671
						WF	47	DRE	71SJ4	19	672
						WA	47	DRE	71SJ4	17	673
						WAF	47	DRE	71SJ4	17	672
-	4.7 - 24	103	63.33	3440	1.05						
28	5.6 - 28	89	53.92	3620	1.25						
32	6.5 - 32	78	46.49	3750	1.40						
40	7.9 - 40	65	37.88	3870	1.70						
-	8.7 - 43	67	34.52	3860	1.35						
-	9.5 - 47	62	31.67	3900	1.45						
48	9.6 - 48	55	31.33	3950	2.0						
54	11 - 54	49	27.78	3990	2.2						
56	11 - 56	54	26.96	3960	1.70						
65	13 - 65	47	23.25	4010	1.95						
70	14 - 70	39	21.33	4050	2.8						
79	16 - 79	38	18.94	4050	2.3						
96	19 - 96	32	15.67	4070	2.8						
108	22 - 108	29	13.89	3940	3.1						
-	24 - 118	28	12.70	3990	2.5						
-	26 - 129	25	11.65	3890	2.8						
141	28 - 141	22	10.67	3660	4.0						
151	30 - 151	22	9.92	3700	3.2						
175	35 - 175	19	8.55	3540	3.8						
215	43 - 215	15	6.97	3320	4.6						
						W	37	DRE	71SJ4	13	666
						WF	37	DRE	71SJ4	13	667
						WA	37	DRE	71SJ4	13	669
						WAF	37	DRE	71SJ4	13	667
-	6.2 - 31	64	48.00*	3000	1.10						
-	7.7 - 38	58	39.00*	3000	1.20						
-	9.2 - 46	49	32.50*	3000	1.45						
-	11 - 55	46	27.50*	3000	1.55						
-	12 - 61	42	24.50*	3000	1.65						
-	15 - 77	36	19.50*	3000	1.95						
-	18 - 92	31	16.33	3000	1.95						
-	21 - 105	28	14.33	3000	2.1						
-	29 - 146	21	10.25*	3000	2.4						
-	37 - 183	17	8.20*	2990	2.3						
-	46 - 228	14	6.57	2800	2.8						
						W	30	DRE	71SJ4	12	662
						WF	30	DRE	71SJ4	12	663
						WA	30	DRE	71SJ4	11	665
						WAF	30	DRE	71SJ4	12	664
-	12 - 61	40	24.50*	2200	1.00						
-	15 - 77	34	19.50*	2200	1.05						
-	18 - 91	30	16.50*	2200	1.00						
-	21 - 105	27	14.33	2200	1.10						
-	29 - 146	20	10.25*	2030	1.25						
-	37 - 183	17	8.20*	1830	1.20						
-	46 - 228	14	6.57	1750	1.40						
						W	20	DRE	71SJ4	9.1	659
						WF	20	DRE	71SJ4	9.2	660
						WA	20	DRE	71SJ4	8.8	661
						WAF	20	DRE	71SJ4	8.8	660

P_m = 0.55 kW

n_a min ⁻¹ 50Hz	n_a min ⁻¹ 10-50Hz	M_a Nm	i	$F_{Ra}^{1)}$ N	SEW f_B					m kg	
-	5.1 - 25	154	58.98	6570	1.15						
29	5.9 - 29	135	51.12	6600	1.35						
31	6.3 - 31	127	47.78	6520	1.40						
36	7.3 - 36	112	41.30	6330	1.60						
43	8.5 - 43	96	35.09	6120	1.85						
-	9.5 - 47	94	31.62	6090	1.70						
48	9.6 - 48	87	31.33	5960	2.1						
55	11 - 55	82	27.41	5880	1.95						
56	11 - 56	75	26.76	5750	2.4						
59	12 - 59	77	25.62	5790	2.1	W	47	DRE	71MJ4	21	671
60	12 - 60	71	25.07	5660	2.5	WF	47	DRE	71MJ4	21	672
68	14 - 68	67	22.15	5580	2.4	WA	47	DRE	71MJ4	19	673
80	16 - 80	58	18.82	5350	2.8	WAF	47	DRE	71MJ4	20	672
89	18 - 89	52	16.80	5190	3.1						
105	21 - 105	45	14.35	4970	3.6						
112	22 - 112	42	13.44	4880	3.8						
-	24 - 122	41	12.30	4900	2.7						
132	26 - 132	36	11.32	4650	4.5						
141	28 - 141	35	10.66	4690	3.1						
151	30 - 151	33	9.96	4600	3.3						
174	35 - 174	29	8.61	4400	3.8						
205	41 - 205	24	7.32	4180	4.5						
40	7.9 - 40	97	37.88	3520	1.15						
48	9.6 - 48	82	31.33	3710	1.35						
54	11 - 54	74	27.78	3800	1.50						
-	11 - 56	80	26.96	3740	1.15						
65	13 - 65	69	23.25	3840	1.30						
70	14 - 70	58	21.33	3930	1.90	W	37	DRE	71MJ4	14	666
79	16 - 79	57	18.94	3940	1.60	WF	37	DRE	71MJ4	14	667
96	19 - 96	48	15.67	3870	1.90	WA	37	DRE	71MJ4	14	669
108	22 - 108	43	13.89	3760	2.1	WAF	37	DRE	71MJ4	14	667
141	28 - 141	33	10.67	3520	2.7						
-	30 - 151	32	9.92	3630	2.2						
175	35 - 175	28	8.55	3470	2.5						
215	43 - 215	23	6.97	3270	3.1						
260	52 - 260	19	5.77	3080	3.7						
293	59 - 293	17	5.11	2970	4.2						
-	11 - 55	68	27.50*	3000	1.05						
-	12 - 61	63	24.50*	3000	1.10	W	30	DRE	71MJ4	13	662
-	18 - 92	46	16.33	3000	1.30	WF	30	DRE	71MJ4	13	663
-	21 - 105	42	14.33	3000	1.45	WA	30	DRE	71MJ4	13	665
-	29 - 146	31	10.25*	3000	1.60	WAF	30	DRE	71MJ4	13	664
-	37 - 183	26	8.20*	2910	1.55						
-	46 - 228	22	6.57	2740	1.85						

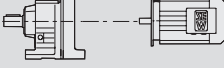
P_m = 0.75 kW

n_a min^{-1} 50Hz	n_a min^{-1} 10-50Hz	M_a Nm	i	$F_{Ra}^{1)}$ N	SEW f_B					m kg	
31	6.3 - 31	173	47.78	5940	1.05	W47DRE71MJ4 WF47DRE71MJ4 WA47DRE71MJ4 WAF47DRE71MJ4	21 21 19 20	671 672 673 672			
36	7.3 - 36	152	41.30	5820	1.20						
43	8.5 - 43	131	35.09	5680	1.35						
-	9.5 - 47	129	31.62	5730	1.25						
48	9.6 - 48	118	31.33	5570	1.50						
55	11 - 55	112	27.41	5570	1.40						
56	11 - 56	102	26.76	5400	1.75						
59	12 - 59	105	25.62	5490	1.50						
60	12 - 60	96	25.07	5340	1.85						
68	14 - 68	92	22.15	5320	1.75						
80	16 - 80	79	18.82	5130	2.0						
89	18 - 89	71	16.80	4990	2.3						
105	21 - 105	61	14.35	4800	2.6						
112	22 - 112	57	13.44	4720	2.8						
-	24 - 122	56	12.30	4800	2.0						
132	26 - 132	48	11.32	4520	3.3						
141	28 - 141	48	10.66	4600	2.3						
151	30 - 151	45	9.96	4520	2.4						
174	35 - 174	39	8.61	4330	2.8						
205	41 - 205	33	7.32	4120	3.3						
230	46 - 230	30	6.53	3990	3.7						
269	54 - 269	26	5.58	3800	4.3						
287	57 - 287	24	5.23	3720	4.6						
54	11 - 54	100	27.78	3480	1.10	W37DRE71MJ4 WF37DRE71MJ4 WA37DRE71MJ4 WAF37DRE71MJ4	14 14 14 14	666 667 669 667			
70	14 - 70	79	21.33	3740	1.40						
79	16 - 79	78	18.94	3750	1.15						
96	19 - 96	65	15.67	3640	1.40						
108	22 - 108	58	13.89	3560	1.55						
141	28 - 141	45	10.67	3360	2.0						
-	30 - 151	44	9.92	3550	1.60						
175	35 - 175	38	8.55	3400	1.85						
215	43 - 215	31	6.97	3210	2.3						
260	52 - 260	26	5.77	3040	2.7						
293	59 - 293	23	5.11	2930	3.1						
382	76 - 382	18	3.93	2700	4.0						
469	94 - 469	14	3.20*	2540	4.9						
-	21 - 105	57	14.33	3000	1.05	W30	DRE	71MJ4	13	662	
-	29 - 146	43	10.25*	3000	1.15	WF30	DRE	71MJ4	13	663	
-	37 - 183	35	8.20*	2820	1.15	WA30	DRE	71MJ4	13	665	
-	46 - 228	29	6.57	2670	1.35	WAF30	DRE	71MJ4	13	664	

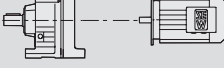
P_m = 1.1 kW

n_a min ⁻¹ 50Hz	n_a min ⁻¹ 10-50Hz	M_a Nm	i	$F_{Ra}^{1)}$ N	SEW f_B					m kg	
48	9.6 - 48	174	31.33	4870	1.05	W47DRE80SJ4	WF47DRE80SJ4	WA47DRE80SJ4	WAF47DRE80SJ4	23	671
56	11 - 56	150	26.76	4800	1.20						
59	12 - 59	155	25.62	4970	1.05						
60	12 - 60	141	25.07	4770	1.25						
68	14 - 68	135	22.15	4870	1.20						
80	16 - 80	115	18.82	4740	1.40						
89	18 - 89	104	16.80	4640	1.55						
105	21 - 105	89	14.35	4500	1.80						
112	22 - 112	84	13.44	4440	1.90						
-	24 - 122	82	12.30	4620	1.35						
132	26 - 132	71	11.32	4280	2.2						
141	28 - 141	71	10.66	4450	1.55						
151	30 - 151	66	9.96	4370	1.65						
174	35 - 174	57	8.61	4200	1.90						
205	41 - 205	49	7.32	4020	2.2						
230	46 - 230	44	6.53	3890	2.5						
269	54 - 269	38	5.58	3720	2.9						
287	57 - 287	35	5.23	3650	3.1						
341	68 - 341	30	4.40	3470	3.7						
386	77 - 386	26	3.89	3340	4.2						
459	92 - 459	22	3.27	3170	5.0						

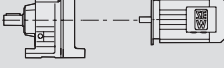
P_m = 1.1 kW

n_a min ⁻¹ 50Hz	n_a min ⁻¹ 10-50Hz	M_a Nm	i	$F_{Ra}^{1)}$ N	SEW f_B		m kg	
108	22 - 108	85	13.89	3210	1.05			
141	28 - 141	66	10.67	3090	1.35			
-	30 - 151	64	9.92	3410	1.10			
175	35 - 175	55	8.55	3280	1.25	W 37	DRE 80SJ4	16 666
215	43 - 215	45	6.97	3110	1.55	WF 37	DRE 80SJ4	16 667
260	52 - 260	38	5.77	2950	1.85	WA 37	DRE 80SJ4	16 669
293	59 - 293	33	5.11	2860	2.1	WAF 37	DRE 80SJ4	16 667
382	76 - 382	26	3.93	2650	2.7			
469	94 - 469	21	3.20*	2500	3.3			

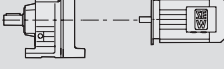
P_m = 1.5 kW

n_a min ⁻¹ 50Hz	n_a min ⁻¹ 10-50Hz	M_a Nm	i	$F_{Ra}^{1)}$ N	SEW f_B		m kg	
80	16 - 80	157	18.82	4300	1.00			
89	18 - 89	141	16.80	4250	1.15			
105	21 - 105	122	14.35	4160	1.30			
112	22 - 112	114	13.44	4120	1.40			
132	26 - 132	97	11.32	4010	1.65			
-	28 - 141	97	10.66	4280	1.15	W 47	DRE 80MJ4	26 671
-	30 - 151	90	9.96	4210	1.20	WF 47	DRE 80MJ4	26 672
174	35 - 174	78	8.61	4060	1.40	WA 47	DRE 80MJ4	24 673
205	41 - 205	67	7.32	3900	1.65	WAF 47	DRE 80MJ4	25 672
230	46 - 230	60	6.53	3780	1.85			
269	54 - 269	51	5.58	3630	2.1			
287	57 - 287	48	5.23	3560	2.3			
341	68 - 341	40	4.40	3400	2.7			
386	77 - 386	36	3.89	3280	3.1			
459	92 - 459	30	3.27	3120	3.6			
-	28 - 141	90	10.67	2780	1.00	W 37	DRE 80MJ4	18 666
-	43 - 215	62	6.97	3000	1.15	WF 37	DRE 80MJ4	18 667
-	52 - 260	51	5.77	2860	1.35	WA 37	DRE 80MJ4	18 669
-	59 - 293	46	5.11	2770	1.55	WAF 37	DRE 80MJ4	18 667
-	76 - 382	35	3.93	2580	2.0			
-	94 - 469	29	3.20*	2440	2.4			

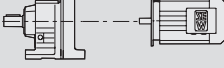
P_m = 2.2 kW

n_a min ⁻¹ 50Hz	n_a min ⁻¹ 10-50Hz	M_a Nm	i	$F_{Ra}^{1)}$ N	SEW f_B		m kg	
132	26 - 132	142	11.32	3530	1.15			
205	41 - 205	98	7.32	3690	1.10			
230	46 - 230	88	6.53	3600	1.25	W 47	DRE 90MJ4	29 671
269	54 - 269	75	5.58	3470	1.45	WF 47	DRE 90MJ4	30 672
287	57 - 287	70	5.23	3410	1.55	WA 47	DRE 90MJ4	28 673
341	68 - 341	59	4.40	3270	1.85	WAF 47	DRE 90MJ4	29 672
386	77 - 386	52	3.89	3170	2.1			
459	92 - 459	44	3.27	3020	2.5			
293	59 - 293	67	5.11	2630	1.05	W 37	DRE 90MJ4	23 666
382	76 - 382	51	3.93	2470	1.35	WF 37	DRE 90MJ4	23 667
469	94 - 469	42	3.20*	2350	1.65	WA 37	DRE 90MJ4	23 669
						WAF 37	DRE 90MJ4	23 667

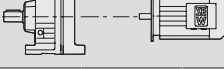
P_m = 3.0 kW

n_a min ⁻¹ 50Hz	n_a min ⁻¹ 10-50Hz	M_a Nm	i	$F_{Ra}^{1)}$ N	SEW f_B		m kg	
269	54 - 269	102	5.58	3280	1.10			
287	57 - 287	96	5.23	3240	1.15	W 47	DRE 90LJ4	32 671
341	68 - 341	81	4.40	3130	1.35	WF 47	DRE 90LJ4	33 672
386	77 - 386	72	3.89	3040	1.55	WA 47	DRE 90LJ4	31 673
459	92 - 459	60	3.27	2920	1.80	WAF 47	DRE 90LJ4	32 672

P_m = 3.0 kW

n_a min ⁻¹ 50Hz	n_a min ⁻¹ 10-50Hz	M_a Nm	i	$F_{Ra}^{1)}$ N	SEW f_B		m kg	
-	76 - 382	70	3.93	2350	1.00	W 37 DRE 90LJ4	26	666
-	94 - 469	57	3.20*	2250	1.20	WF 37 DRE 90LJ4	26	667
						WA 37 DRE 90LJ4	26	669
						WAF 37 DRE 90LJ4	26	667

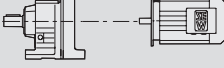
P_m = 4.0 kW

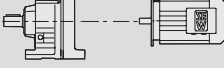
n_a min ⁻¹ 50Hz	n_a min ⁻¹ 10-50Hz	M_a Nm	i	$F_{Ra}^{1)}$ N	SEW f_B		m kg	
-	68 - 341	108	4.40	2940	1.00	W 47 DRE 100MJ4	37	671
-	77 - 386	96	3.89	2880	1.15	WF 47 DRE 100MJ4	37	672
-	92 - 459	80	3.27	2780	1.35	WA 47 DRE 100MJ4	35	673
						WAF 47 DRE 100MJ4	36	672

11.6 Auswahltabellen W..DRE..J (IE2), 87 Hz

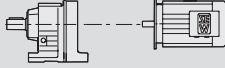
P_m = 0.55 kW								m kg	
	n_a min⁻¹ 10-87Hz	M_a Nm	i	F_{Ra}¹⁾ N	SEW f_B				
-	4.0 - 35	116	74.98	6390	1.55				
-	4.4 - 38	107	68.93	6280	1.70				
-	5.1 - 44	93	58.98	6070	1.95				
-	5.9 - 51	82	51.12	5880	2.2				
-	6.3 - 55	77	47.78	5780	2.3				
-	7.3 - 63	67	41.30	5590	2.7				
-	8.5 - 74	58	35.09	5360	3.1	W	47	DRE	71SJ4
-	9.5 - 83	56	31.62	5300	2.9	WF	47	DRE	71SJ4
-	9.6 - 83	52	31.33	5210	3.5	WA	47	DRE	71SJ4
-	11 - 95	49	27.41	5100	3.3	WAF	47	DRE	71SJ4
-	11 - 98	45	26.76	5000	4.0				
-	12 - 102	46	25.62	5010	3.5				
-	12 - 104	42	25.07	4920	4.3				
-	14 - 118	40	22.15	4810	4.0				
-	16 - 139	34	18.82	4590	4.7				
-	24 - 212	24	12.30	4140	4.7				
-	4.3 - 38	101	69.05	3460	1.10				
-	4.7 - 41	94	63.33	3570	1.15				
-	5.6 - 48	81	53.92	3720	1.35				
-	6.5 - 56	71	46.49	3820	1.55				
-	7.9 - 69	59	37.88	3920	1.85				
-	8.7 - 76	60	34.52	3920	1.50				
-	9.5 - 82	55	31.67	3950	1.65				
-	9.6 - 83	50	31.33	3940	2.2				
-	11 - 94	44	27.78	3840	2.5	W	37	DRE	71SJ4
-	11 - 97	47	26.96	3860	1.90	WF	37	DRE	71SJ4
-	13 - 112	41	23.25	3720	2.2	WA	37	DRE	71SJ4
-	14 - 122	35	21.33	3600	3.1	WAF	37	DRE	71SJ4
-	16 - 138	34	18.94	3540	2.7				
-	19 - 167	28	15.67	3360	3.2				
-	22 - 188	25	13.89	3260	3.6				
-	24 - 205	24	12.70	3310	3.0				
-	26 - 224	22	11.65	3230	3.2				
-	28 - 245	20	10.67	3030	4.6				
-	30 - 263	19	9.92	3070	3.8				
-	35 - 305	16	8.55	2940	4.3				
-	5.0 - 44	67	60.00*	3000	1.05				
-	6.3 - 54	58	48.00*	3000	1.20				
-	7.7 - 67	52	39.00*	3000	1.35				
-	9.2 - 80	44	32.50*	3000	1.60				
-	11 - 95	40	27.50*	3000	1.75	W	30	DRE	71SJ4
-	12 - 107	37	24.50*	3000	1.90	WF	30	DRE	71SJ4
-	15 - 134	31	19.50*	3000	2.2	WA	30	DRE	71SJ4
-	18 - 160	27	16.33	3000	2.2	WAF	30	DRE	71SJ4
-	21 - 182	24	14.33	2900	2.5				
-	29 - 255	18	10.25*	2710	2.8				
-	37 - 318	15	8.20*	2480	2.7				
-	46 - 397	13	6.57	2320	3.2				
-	11 - 95	39	27.50*	2200	1.05				
-	12 - 107	35	24.50*	2160	1.15				
-	15 - 134	30	19.50*	2020	1.15	W	20	DRE	71SJ4
-	18 - 158	26	16.50*	1930	1.15	WF	20	DRE	71SJ4
-	21 - 182	24	14.33	1860	1.25	WA	20	DRE	71SJ4
-	29 - 255	18	10.25*	1690	1.40	WAF	20	DRE	71SJ4
-	37 - 318	14	8.20*	1510	1.40				
-	46 - 397	12	6.57	1450	1.65				

P_m = 0.75 kW

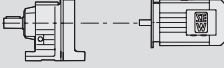
	n_a min⁻¹ 10-87Hz	M_a Nm	i	F_{Ra}¹⁾ N	SEW f_B		m kg	
-	5.1 - 44	127	58.98	5640	1.40			
-	5.9 - 51	112	51.12	5500	1.60			
-	6.3 - 55	105	47.78	5430	1.70			
-	7.3 - 63	92	41.30	5280	1.95			
-	8.5 - 74	79	35.09	5100	2.3			
-	9.5 - 83	76	31.62	5090	2.1			
-	9.6 - 83	71	31.33	4970	2.5			
-	11 - 95	66	27.41	4910	2.4			
-	11 - 98	61	26.76	4800	2.9	W 47	DRE 71MJ4	21 671
-	12 - 102	62	25.62	4830	2.6	WF 47	DRE 71MJ4	21 672
-	12 - 104	58	25.07	4720	3.1	WA 47	DRE 71MJ4	19 673
-	14 - 118	54	22.15	4660	3.0	WAF 47	DRE 71MJ4	20 672
-	16 - 139	46	18.82	4460	3.5			
-	18 - 155	42	16.80	4330	3.9			
-	21 - 182	36	14.35	4150	4.5			
-	22 - 194	34	13.44	4070	4.8			
-	24 - 212	32	12.30	4080	3.4			
-	28 - 245	28	10.66	3910	3.9			
-	30 - 262	26	9.96	3830	4.2			
-	35 - 303	23	8.61	3660	4.8			
-	6.5 - 56	97	46.49	3520	1.15			
-	7.9 - 69	80	37.88	3730	1.35			
-	9.6 - 83	68	31.33	3670	1.60			
-	11 - 94	61	27.78	3590	1.80			
-	11 - 97	64	26.96	3640	1.40			
-	13 - 112	56	23.25	3530	1.60	W 37	DRE 71MJ4	14 666
-	14 - 122	48	21.33	3410	2.3	WF 37	DRE 71MJ4	14 667
-	16 - 138	46	18.94	3380	1.95	WA 37	DRE 71MJ4	14 669
-	19 - 167	38	15.67	3230	2.3	WAF 37	DRE 71MJ4	14 667
-	22 - 188	34	13.89	3140	2.6			
-	28 - 245	27	10.67	2940	3.4			
-	30 - 263	25	9.92	3030	2.8			
-	35 - 305	22	8.55	2900	3.2			
-	43 - 374	18	6.97	2720	3.9			
-	52 - 453	15	5.77	2570	4.7			
-	9.2 - 80	60	32.50*	3000	1.15			
-	11 - 95	55	27.50*	3000	1.30			
-	12 - 107	51	24.50*	3000	1.40	W 30	DRE 71MJ4	13 662
-	18 - 160	37	16.33	2890	1.65	WF 30	DRE 71MJ4	13 663
-	21 - 182	33	14.33	2800	1.80	WA 30	DRE 71MJ4	13 665
-	29 - 255	25	10.25*	2670	2.0	WAF 30	DRE 71MJ4	13 664
-	37 - 318	20	8.20*	2430	1.95			
-	46 - 397	17	6.57	2280	2.3			

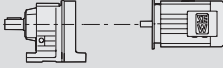
P_m = 1.1 kW								m kg		
	n_a min⁻¹ 10-87Hz	M_a Nm	i	F_{Ra}¹⁾ N	SEW f_B					
-	5.9 - 51	164	51.12	4840	1.10					
-	6.3 - 55	154	47.78	4810	1.15					
-	7.3 - 63	134	41.30	4740	1.35					
-	8.5 - 74	116	35.09	4630	1.55					
-	9.5 - 83	112	31.62	4710	1.45					
-	9.6 - 83	104	31.33	4550	1.75					
-	11 - 95	97	27.41	4590	1.65					
-	11 - 98	90	26.76	4430	2.0					
-	12 - 102	91	25.62	4530	1.75					
-	12 - 104	84	25.07	4380	2.1	W	47	DRE	71MJ4	21 671
-	14 - 118	80	22.15	4390	2.0	WF	47	DRE	71MJ4	21 672
-	16 - 139	68	18.82	4240	2.4	WA	47	DRE	71MJ4	19 673
-	18 - 155	61	16.80	4120	2.6	WAF	47	DRE	71MJ4	20 672
-	21 - 182	52	14.35	3970	3.0					
-	22 - 194	49	13.44	3910	3.2					
-	24 - 212	47	12.30	3980	2.3					
-	26 - 231	42	11.32	3740	3.8					
-	28 - 245	41	10.66	3820	2.7					
-	30 - 262	38	9.96	3750	2.9					
-	35 - 303	33	8.61	3590	3.3					
-	41 - 357	28	7.32	3420	3.9					
-	46 - 399	25	6.53	3310	4.3					
-	9.6 - 83	99	31.33	3190	1.10					
-	11 - 94	89	27.78	3160	1.25					
-	13 - 112	82	23.25	3200	1.10					
-	14 - 122	70	21.33	3070	1.60					
-	16 - 138	68	18.94	3100	1.35					
-	19 - 167	56	15.67	3000	1.60	W	37	DRE	71MJ4	14 666
-	22 - 188	50	13.89	2930	1.80	WF	37	DRE	71MJ4	14 667
-	28 - 245	39	10.67	2780	2.3	WA	37	DRE	71MJ4	14 669
-	30 - 263	37	9.92	2940	1.90	WAF	37	DRE	71MJ4	14 667
-	35 - 305	32	8.55	2830	2.2					
-	43 - 374	26	6.97	2660	2.7					
-	52 - 453	22	5.77	2520	3.2					
-	59 - 511	19	5.11	2430	3.6					
-	76 - 665	15	3.93	2250	4.7					
-	18 - 160	54	16.33	2700	1.10	W	30	DRE	71MJ4	13 662
-	21 - 182	49	14.33	2640	1.25	WF	30	DRE	71MJ4	13 663
-	29 - 255	36	10.25*	2600	1.35	WA	30	DRE	71MJ4	13 665
-	37 - 318	30	8.20*	2340	1.35	WAF	30	DRE	71MJ4	13 664
-	46 - 397	25	6.57	2210	1.60					

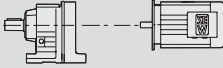
P_m = 1.5 kW

	n_a min ⁻¹ 10-87Hz	M_a Nm	i	$F_{Ra}^{1)}$ N	SEW f_B					m kg	
-	8.5 - 74	158	35.09	4100	1.15	W47DRE80SJ4 WF47DRE80SJ4 WA47DRE80SJ4 WAF47DRE80SJ4	23 23 21 22	671 672 673 672			
-	9.5 - 83	152	31.62	4280	1.05						
-	9.6 - 83	142	31.33	4080	1.25						
-	11 - 95	133	27.41	4210	1.20						
-	11 - 98	123	26.76	4020	1.45						
-	12 - 102	125	25.62	4180	1.30						
-	12 - 104	115	25.07	3990	1.55						
-	14 - 118	108	22.15	4090	1.50						
-	16 - 139	93	18.82	3970	1.70						
-	18 - 155	83	16.80	3890	1.90						
-	21 - 182	72	14.35	3770	2.2						
-	22 - 194	67	13.44	3720	2.4						
-	24 - 212	64	12.30	3860	1.70						
-	26 - 231	57	11.32	3580	2.8						
-	28 - 245	56	10.66	3720	1.95						
-	30 - 262	52	9.96	3650	2.1						
-	35 - 303	45	8.61	3510	2.4						
-	41 - 357	39	7.32	3360	2.8						
-	46 - 399	35	6.53	3250	3.2						
-	54 - 468	30	5.58	3100	3.7						
-	57 - 499	28	5.23	3040	4.0						
-	68 - 593	23	4.40	2890	4.7						
-	14 - 122	95	21.33	2690	1.15	W37DRE80SJ4 WF37DRE80SJ4 WA37DRE80SJ4 WAF37DRE80SJ4	16 16 16 16	666 667 669 667			
-	19 - 167	77	15.67	2740	1.15						
-	22 - 188	68	13.89	2700	1.30						
-	28 - 245	53	10.67	2600	1.70						
-	30 - 263	51	9.92	2850	1.40						
-	35 - 305	44	8.55	2750	1.60						
-	43 - 374	36	6.97	2600	1.95						
-	52 - 453	30	5.77	2470	2.4						
-	59 - 511	26	5.11	2380	2.6						
-	76 - 665	20	3.93	2210	3.5						
-	94 - 816	17	3.20*	2080	4.2						
-	29 - 255	50	10.25*	2530	1.00				W30DRE80SJ4 WF30DRE80SJ4 WA30DRE80SJ4 WAF30DRE80SJ4	15 15 14 15	662 663 665 664
-	46 - 397	34	6.57	2130	1.15						

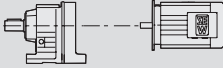
P_m = 2.2 kW

	n_a min ⁻¹ 10-87Hz	M_a Nm	i	$F_{Ra}^{1)}$ N	SEW f_B					m kg	
-	11 - 98	180	26.76	3300	1.00						
-	12 - 104	169	25.07	3310	1.05						
-	14 - 118	159	22.15	3550	1.00						
-	16 - 139	136	18.82	3520	1.20						
-	18 - 155	122	16.80	3480	1.30						
-	21 - 182	105	14.35	3420	1.55						
-	22 - 194	98	13.44	3390	1.60						
-	26 - 231	83	11.32	3300	1.90	W	47	DRE	80MJ4	26	671
-	28 - 245	82	10.66	3540	1.35	WF	47	DRE	80MJ4	26	672
-	30 - 262	77	9.96	3490	1.45	WA	47	DRE	80MJ4	24	673
-	35 - 303	67	8.61	3370	1.65	WAF	47	DRE	80MJ4	25	672
-	41 - 357	57	7.32	3230	1.95						
-	46 - 399	51	6.53	3140	2.2						
-	54 - 468	43	5.58	3010	2.5						
-	57 - 499	41	5.23	2960	2.7						
-	68 - 593	34	4.40	2820	3.2						
-	77 - 671	30	3.89	2720	3.6						
-	92 - 799	26	3.27	2590	4.3						

P _m = 2.2 kW											
	n _a min ⁻¹ 10-87Hz	M _a Nm	i	F _{Ra} ¹⁾ N	SEW f _B					m kg	
-	28 - 245	78	10.67	2280	1.15						
-	35 - 305	64	8.55	2610	1.10						
-	43 - 374	52	6.97	2490	1.35	W	37	DRE	80MJ4	18	666
-	52 - 453	44	5.77	2370	1.60	WF	37	DRE	80MJ4	18	667
-	59 - 511	39	5.11	2300	1.80	WA	37	DRE	80MJ4	18	669
-	76 - 665	30	3.93	2140	2.4	WAF	37	DRE	80MJ4	18	667
-	94 - 816	24	3.20*	2030	2.9						

P _m = 3.0 kW											
	n _a min ⁻¹ 10-87Hz	M _a Nm	i	F _{Ra} ¹⁾ N	SEW f _B					m kg	
-	21 - 182	143	14.35	3020	1.10	W47DRE90MJ4	47	DRE	90MJ4	29	671
-	22 - 194	134	13.44	3010	1.20						
-	26 - 231	114	11.32	2980	1.40						
-	35 - 303	91	8.61	3210	1.20						
-	41 - 357	77	7.32	3090	1.40						
-	46 - 399	69	6.53	3020	1.60						
-	54 - 468	59	5.58	2900	1.85						
-	57 - 499	56	5.23	2860	2.0						
-	68 - 593	47	4.40	2740	2.4						
-	77 - 671	41	3.89	2650	2.7						
-	92 - 799	35	3.27	2530	3.1						
-	52 - 453	59	5.77	2260	1.20	W	37	DRE	90MJ4	23	666
-	59 - 511	53	5.11	2200	1.35	WF	37	DRE	90MJ4	23	667
-	76 - 665	41	3.93	2070	1.70	WA	37	DRE	90MJ4	23	669
-	94 - 816	33	3.20*	1970	2.1	WAF	37	DRE	90MJ4	23	667

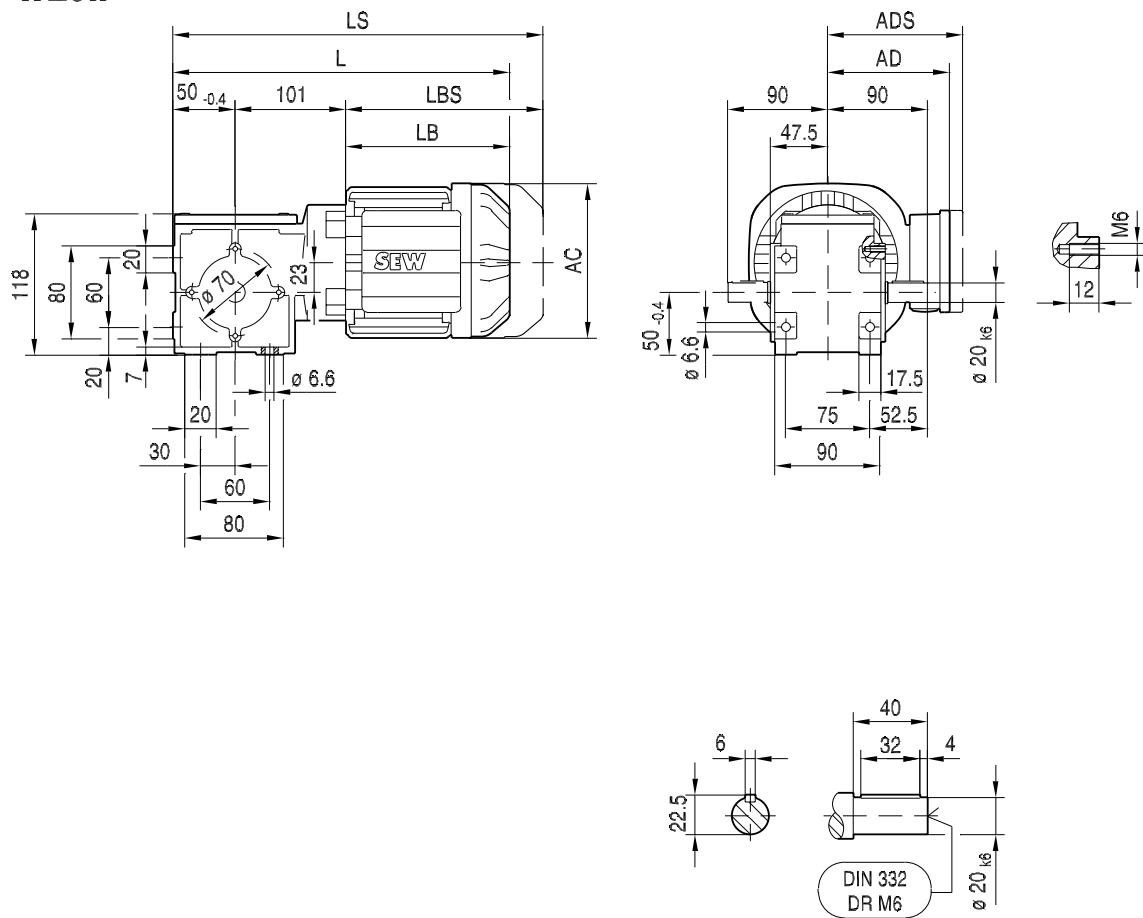
P _m = 4.0 kW											
	n _a min ⁻¹ 10-87Hz	M _a Nm	i	F _{Ra} ¹⁾ N	SEW f _B					m kg	
-	26 - 231	152	11.32	2580	1.05						
-	41 - 357	103	7.32	2920	1.05						
-	46 - 399	92	6.53	2860	1.20	W	47	DRE	90LJ4	32	671
-	54 - 468	79	5.58	2770	1.40	WF	47	DRE	90LJ4	33	672
-	57 - 499	74	5.23	2730	1.50	WA	47	DRE	90LJ4	31	673
-	68 - 593	62	4.40	2630	1.75	WAF	47	DRE	90LJ4	32	672
-	77 - 671	55	3.89	2560	2.0						
-	92 - 799	46	3.27	2450	2.4						
-	59 - 511	70	5.11	2080	1.00	W	37	DRE	90LJ4	26	666
-	76 - 665	54	3.93	1980	1.30	WF	37	DRE	90LJ4	26	667
-	94 - 816	44	3.20*	1890	1.60	WA	37	DRE	90LJ4	26	669
						WAF	37	DRE	90LJ4	26	667

P _m = 5.5 kW											
	n _a min ⁻¹ 10-87Hz	M _a Nm	i	F _{Ra} ¹⁾ N	SEW f _B					m kg	
-	54 - 468	109	5.58	2570	1.00						
-	57 - 499	102	5.23	2550	1.10	W	47	DRE	100MJ4	37	671
-	68 - 593	86	4.40	2470	1.30	WF	47	DRE	100MJ4	37	672
-	77 - 671	76	3.89	2420	1.45	WA	47	DRE	100MJ4	35	673
-	92 - 799	64	3.27	2330	1.70	WAF	47	DRE	100MJ4	36	672

11.7 Maßblätter W..DR..J in mm

W20..

20 004 00 17^L



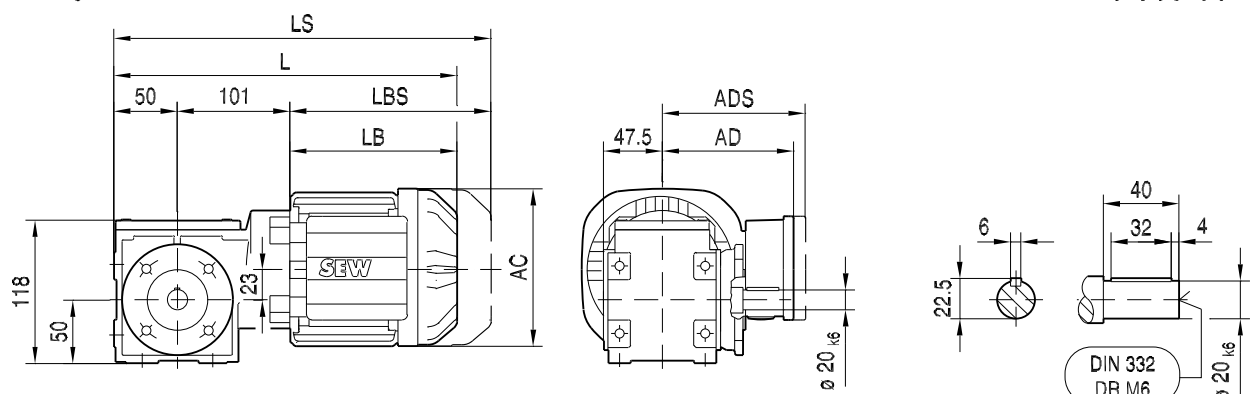
11

19391609/DE – 06/2017

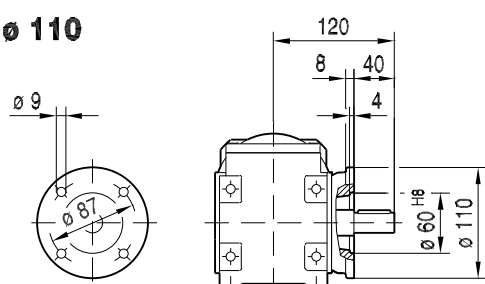
(→ 176)	DR71S							
AC	139							
AD	119							
ADS	129							
L	311							
LS	379							
LB	160							
LBS	228							

WF20..

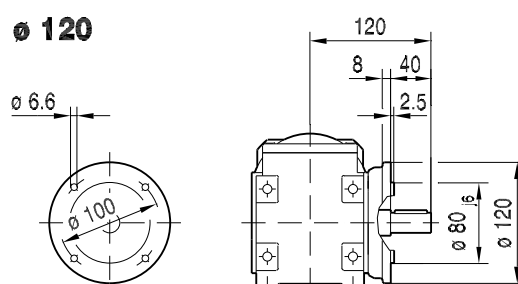
20 005 00 17



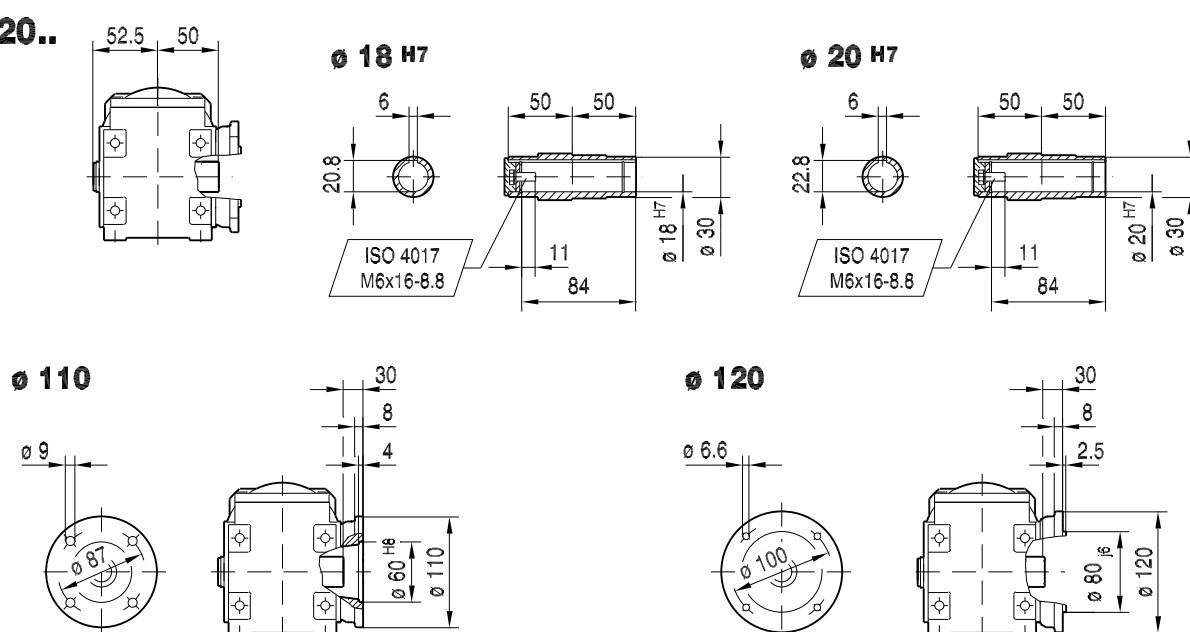
$\varnothing 110$



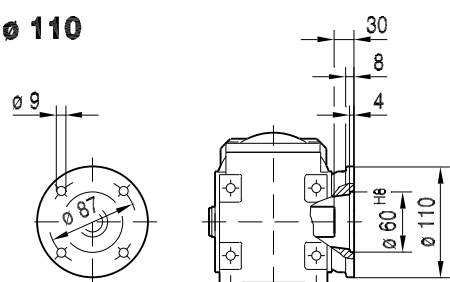
$\varnothing 120$



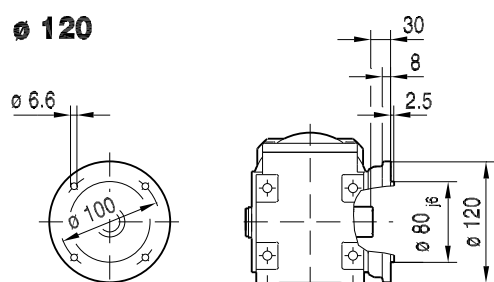
WAF20..



$\varnothing 110$



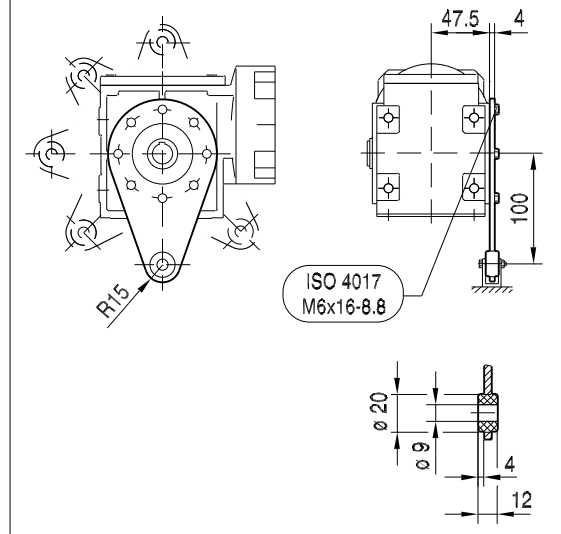
$\varnothing 120$



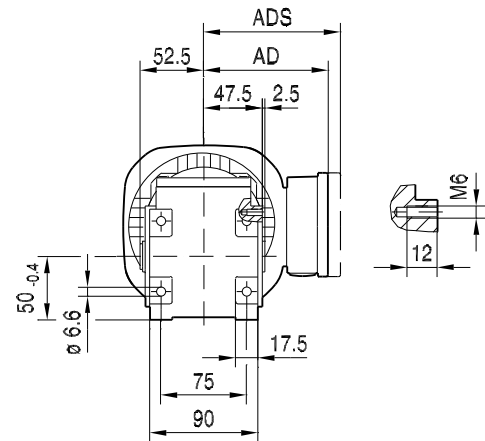
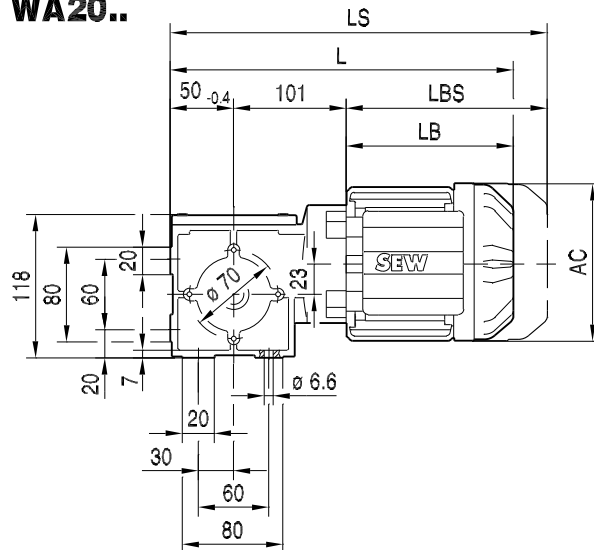
(→ 176)	DR71S							
AC	139							
AD	119							
ADS	129							
L	311							
LS	379							
LB	160							
LBS	228							

20 006 00 17

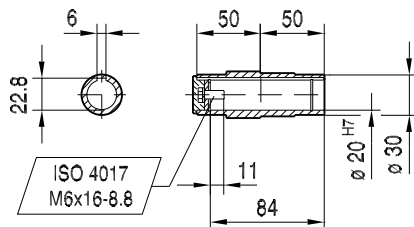
WA.. /T



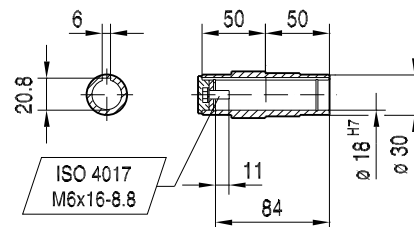
WA20..



Ø 20 H7



Ø 18 H7

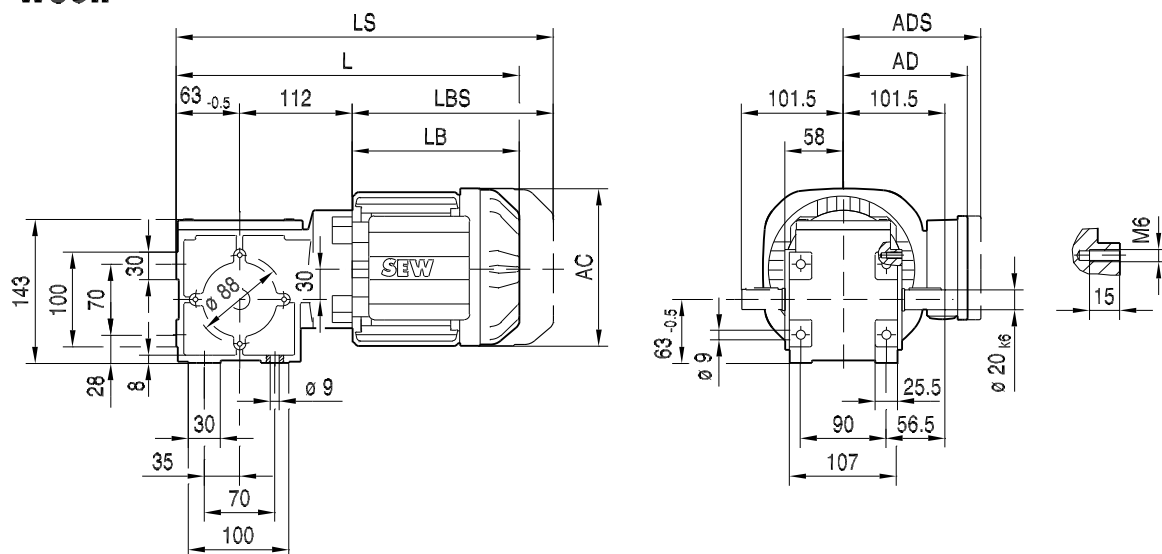


19391609/DE – 06/2017

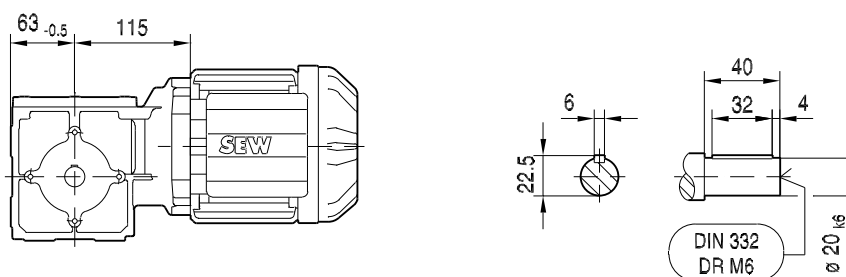
(→ 176)	DR71S							
AC	139							
AD	119							
ADS	129							
L	311							
LS	379							
LB	160							
LBS	228							

20 007 00 17

W30..



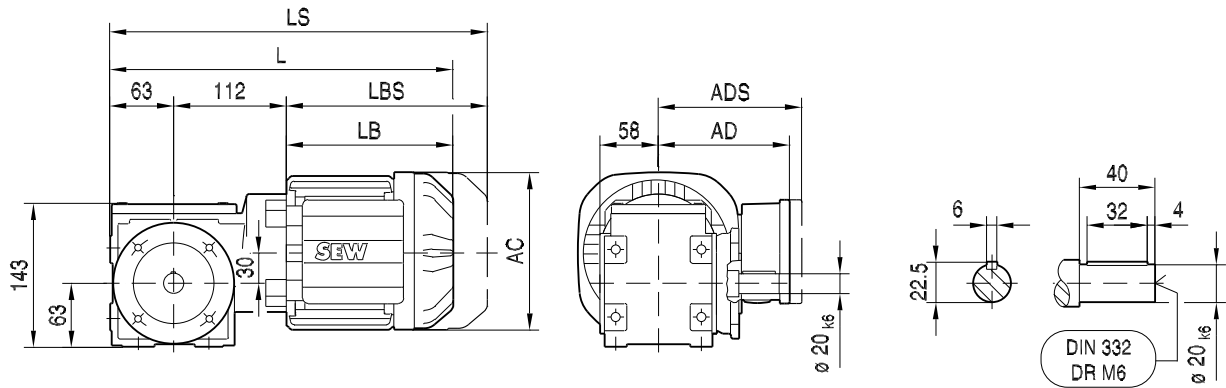
DR80..



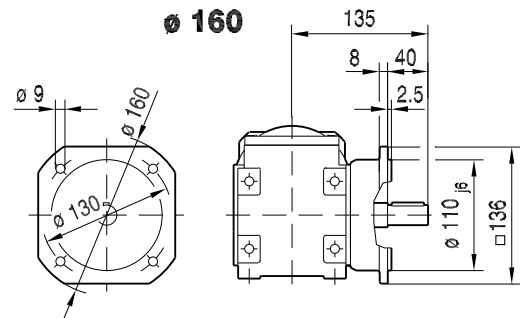
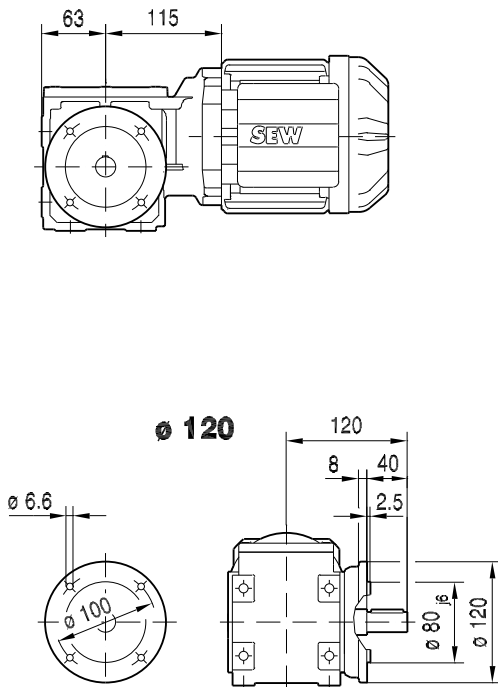
(→ 176)	DR71S	DR71M	DR80S					
AC	139	139	156					
AD	119	119	128					
ADS	129	129	139					
L	335	360	367					
LS	403	428	448					
LB	160	185	189					
LBS	228	253	270					

WF30..

20 008 00 17



DR80..

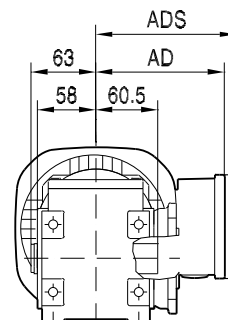
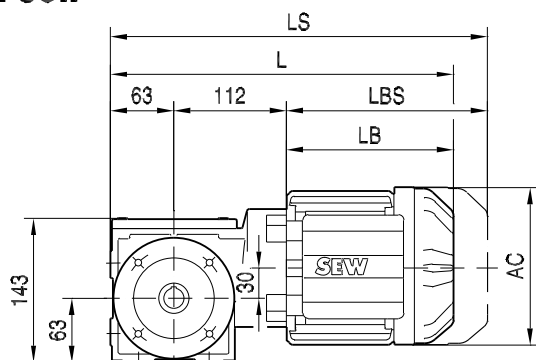


19391609/DE – 06/2017

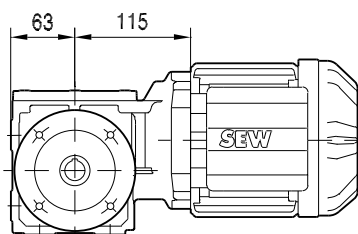
(→ 176)	DR71S	DR71M	DR80S					
AC	139	139	156					
AD	119	119	128					
ADS	129	129	139					
L	335	360	367					
LS	403	428	448					
LB	160	185	189					
LBS	228	253	270					

WAF30..

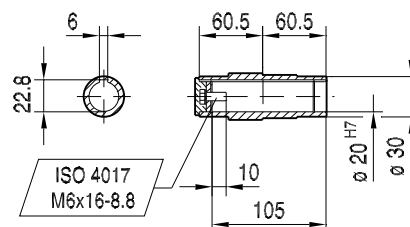
20 009 00 17



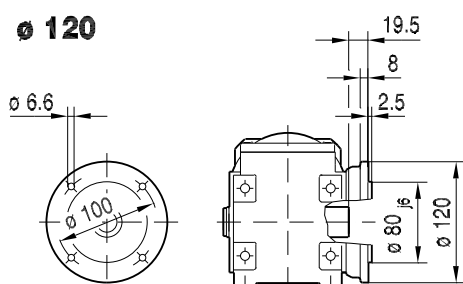
DR80..



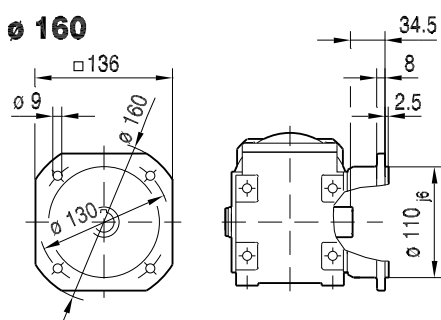
Ø 20 H7



Ø 120



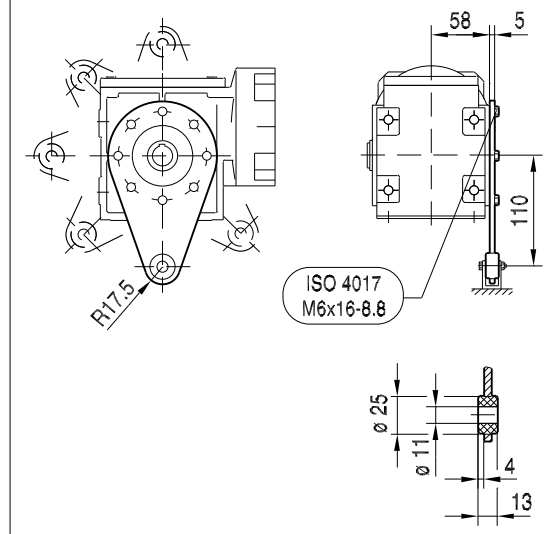
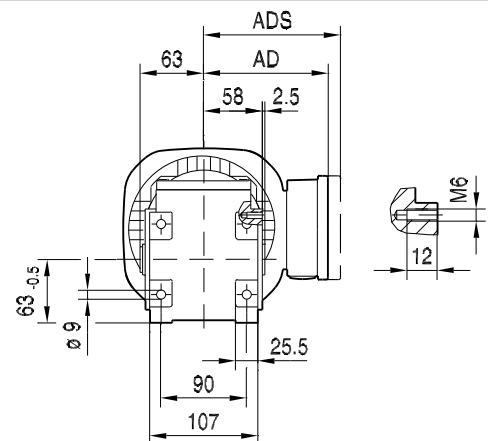
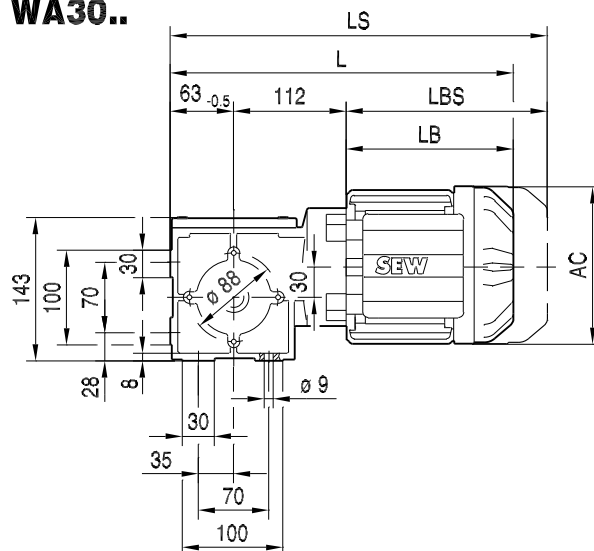
Ø 160



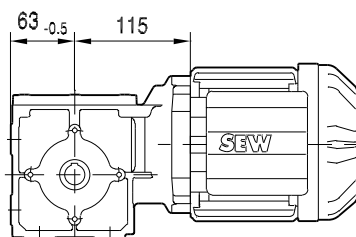
(→ 176)	DR71S	DR71M	DR80S					
AC	139	139	156					
AD	119	119	128					
ADS	129	129	139					
L	335	360	367					
LS	403	428	448					
LB	160	185	189					
LBS	228	253	270					

20 010 00 17

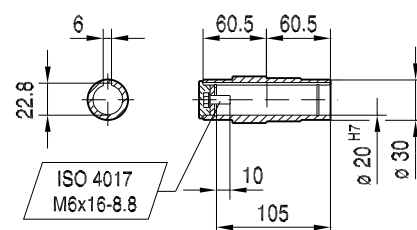
WA.. /T

**WA30..**

DR80..



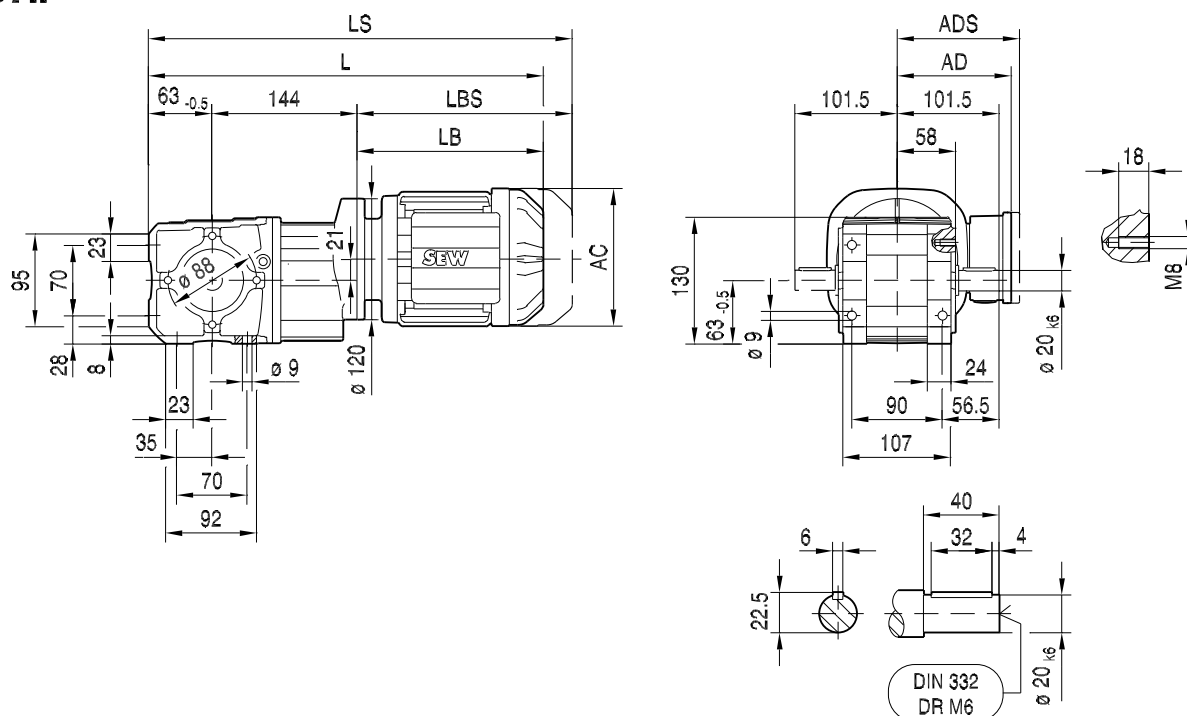
Ø 20 H7



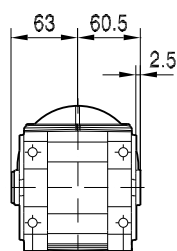
(→ 176)	DR71S	DR71M	DR80S					
AC	139	139	156					
AD	119	119	128					
ADS	129	129	139					
L	335	360	367					
LS	403	428	448					
LB	160	185	189					
LBS	228	253	270					

20 011 00 17

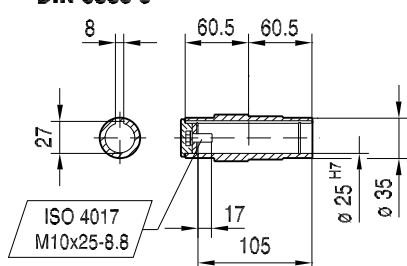
W37..



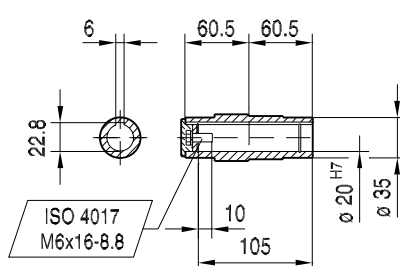
WA37B..



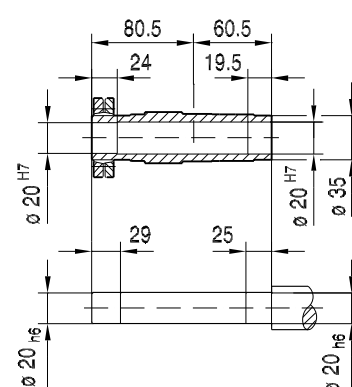
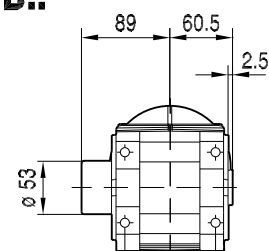
Ø 25 H7
DIN 6885-3



Ø 20 H7



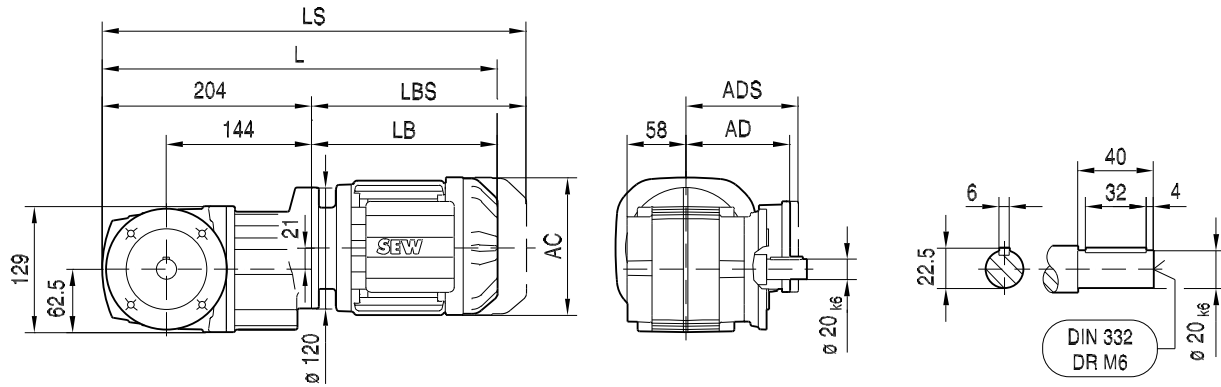
WH37B..



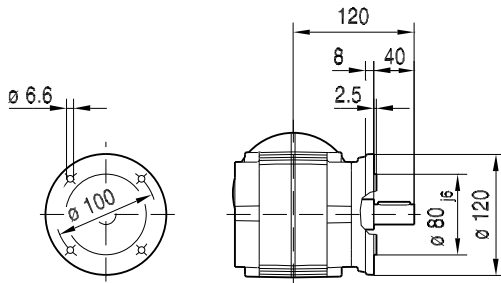
(→ 176)	DR71S	DR71M	DR80S	DR80M	DR90M	DR90L		
AC	139	139	156	156	179	179		
AD	119	119	128	128	140	140		
ADS	129	129	139	139	150	150		
L	409	434	444	475	479	499		
LS	477	502	525	556	572	592		
LB	202	227	237	268	272	292		
LBS	270	295	318	349	365	385		

20 012 00 17

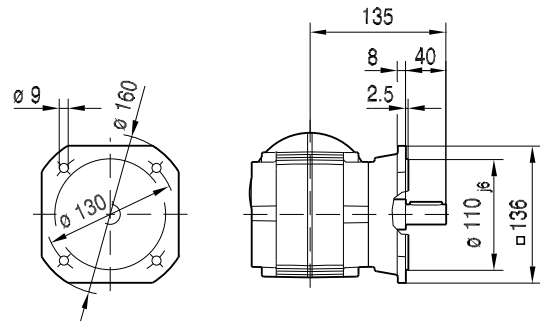
WF37..



Ø 120
max. DR71..

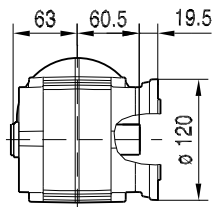


Ø 160

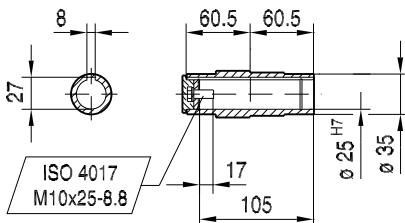


WAF37..

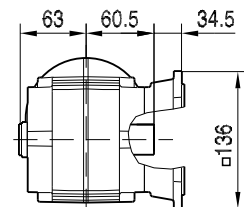
Ø 120
max. DR71..



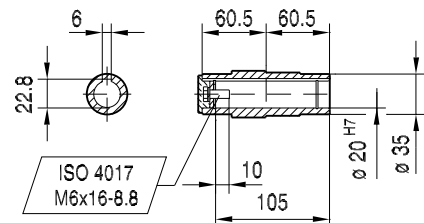
Ø 25 H7
DIN 6885-3



Ø 160



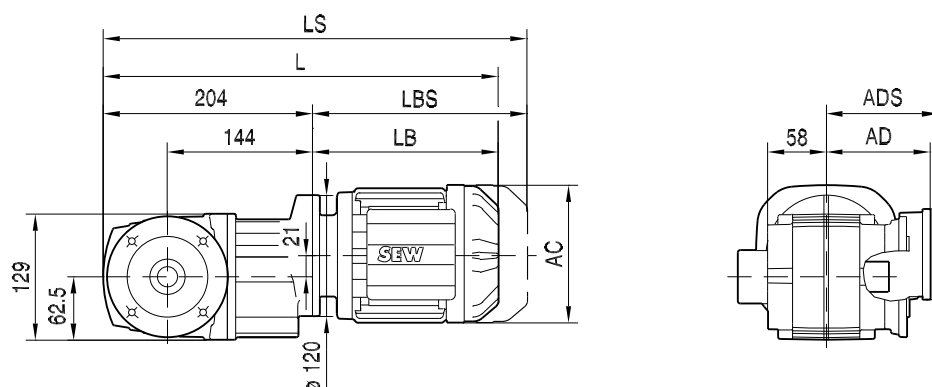
Ø 20 H7



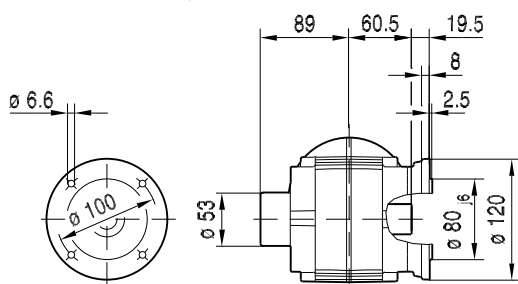
(→ 176)	DR71S	DR71M	DR80S	DR80M	DR90M	DR90L		
AC	139	139	156	156	179	179		
AD	119	119	128	128	140	140		
ADS	129	129	139	139	150	150		
L	406	431	441	472	476	496		
LS	474	499	522	553	569	589		
LB	202	227	237	268	272	292		
LBS	270	295	318	349	365	385		

20 013 00 17

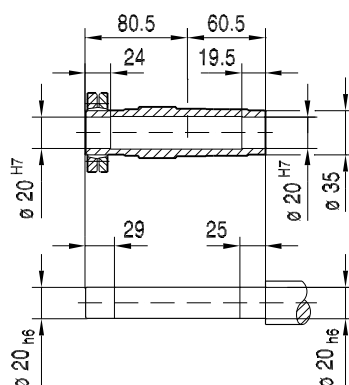
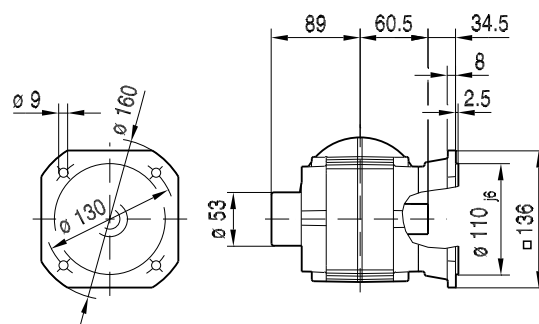
WHF37..



Ø 120
max. DR71..



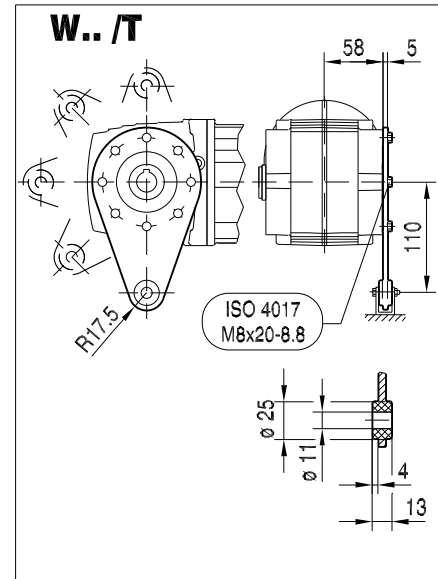
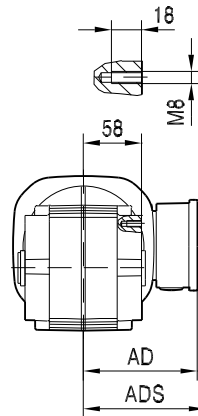
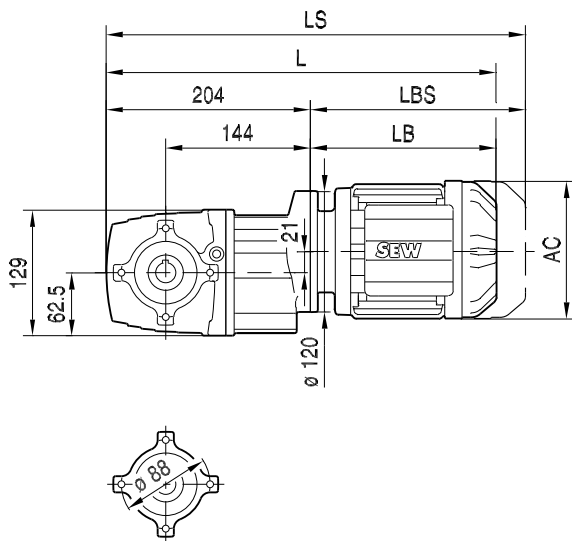
Ø 160



(→ 176)	DR71S	DR71M	DR80S	DR80M	DR90M	DR90L		
AC	139	139	156	156	179	179		
AD	119	119	128	128	140	140		
ADS	129	129	139	139	150	150		
L	406	431	441	472	476	496		
LS	474	499	522	553	569	589		
LB	202	227	237	268	272	292		
LBS	270	295	318	349	365	385		

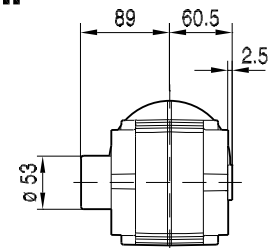
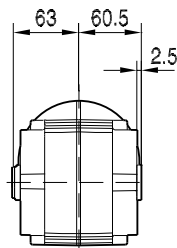
WA37..

20 014 00 17



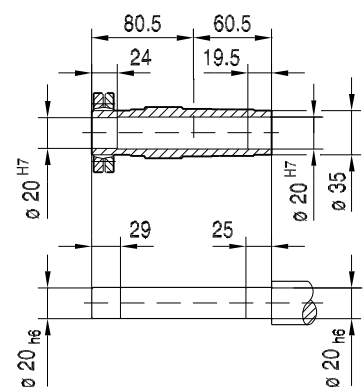
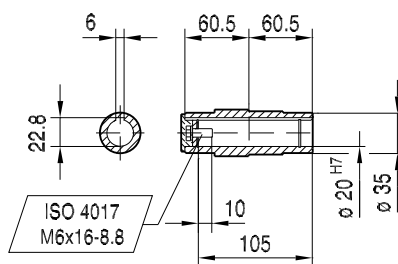
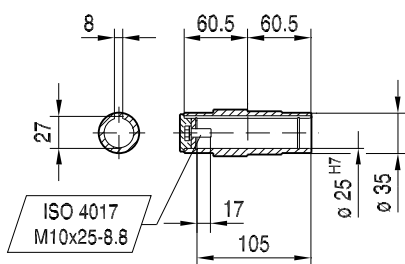
WA37..

WH37..



Ø 25 H7
DIN 6885-3

Ø 20 H7

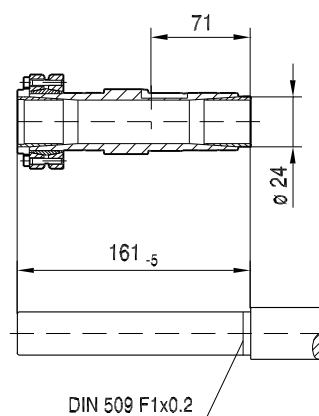
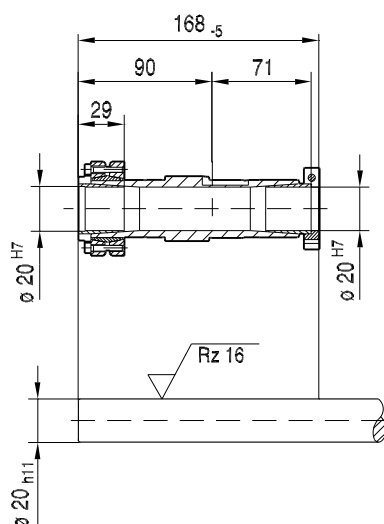
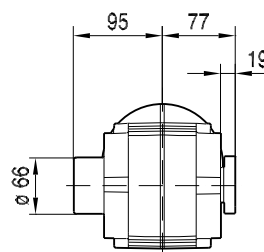
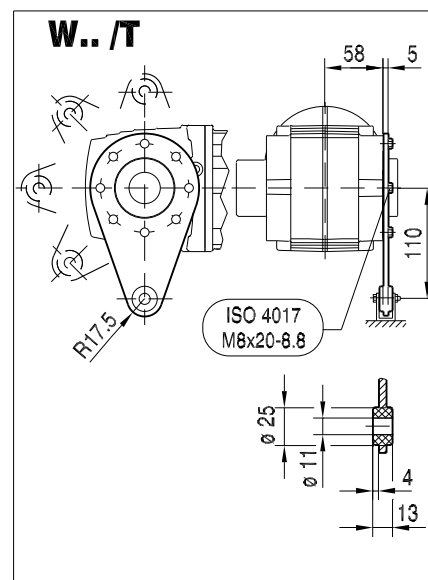
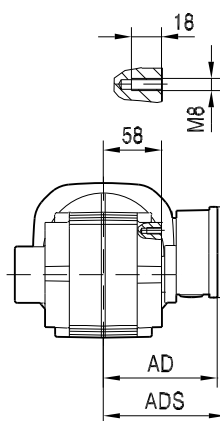
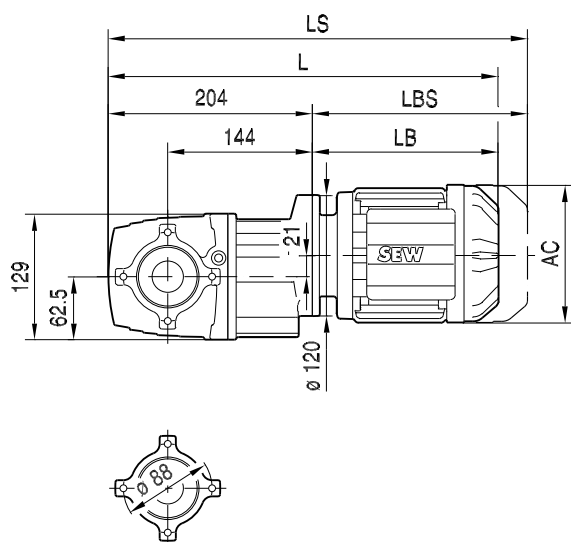


(→ 176)	DR71S	DR71M	DR80S	DR80M	DR90M	DR90L		
AC	139	139	156	156	179	179		
AD	119	119	128	128	140	140		
ADS	129	129	139	139	150	150		
L	406	431	441	472	476	496		
LS	474	499	522	553	569	589		
LB	202	227	237	268	272	292		
LBS	270	295	318	349	365	385		

19391609/DE – 06/2017

WT37..

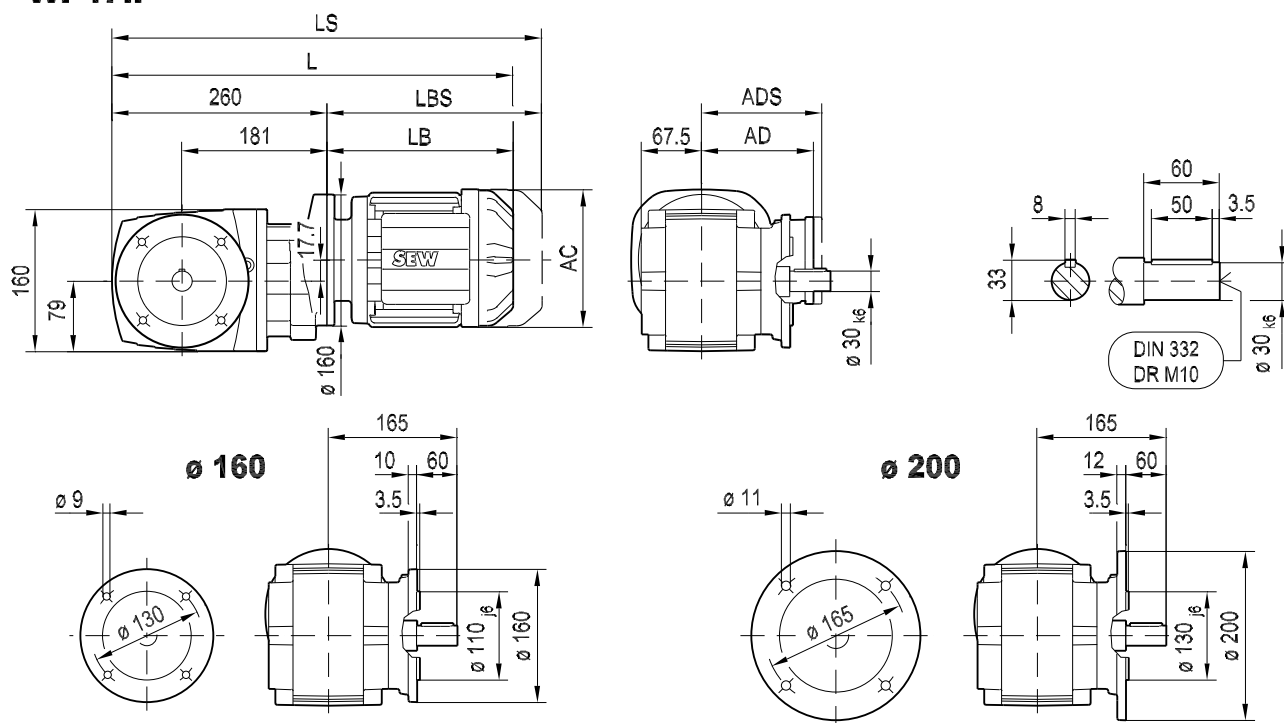
20 015 00 17



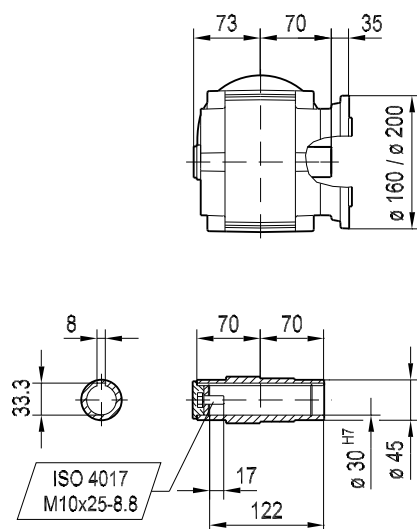
(→ 176)	DR71S	DR71M	DR80S	DR80M	DR90M	DR90L		
AC	139	139	156	156	179	179		
AD	119	119	128	128	140	140		
ADS	129	129	139	139	150	150		
L	406	431	441	472	476	496		
LS	474	499	522	553	569	589		
LB	202	227	237	268	272	292		
LBS	270	295	318	349	365	385		

20 017 00 17

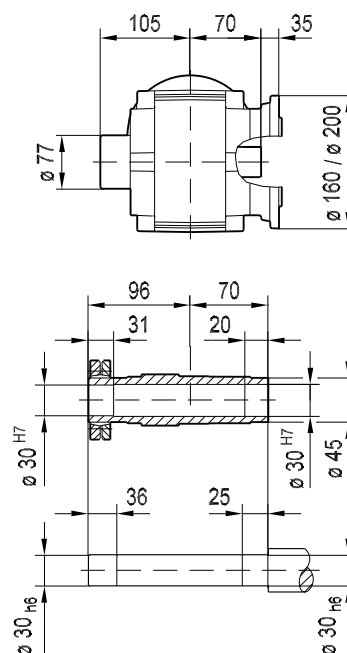
WF47..



WAF47..

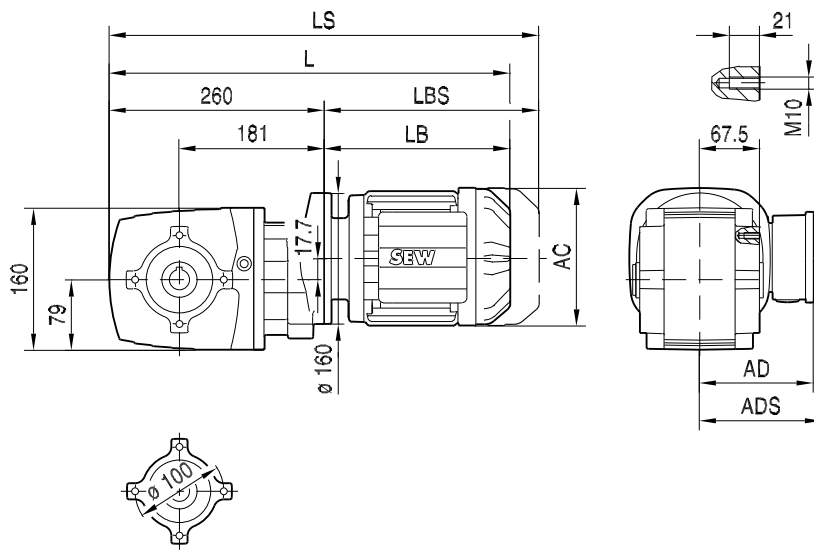


WHF47..

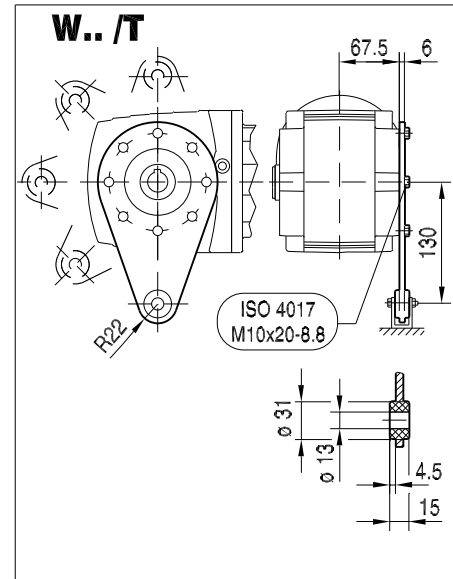


(→ 176)	DR71S	DR71M	DR80S	DR80M	DR90M	DR90L	DR100M	
AC	139	139	156	156	179	179	197	
AD	119	119	128	128	140	140	157	
ADS	129	129	139	139	150	150	158	
L	456	481	490	521	523	543	573	
LS	524	549	571	602	616	636	666	
LB	196	221	230	261	263	283	313	
LBS	264	289	311	342	356	376	406	

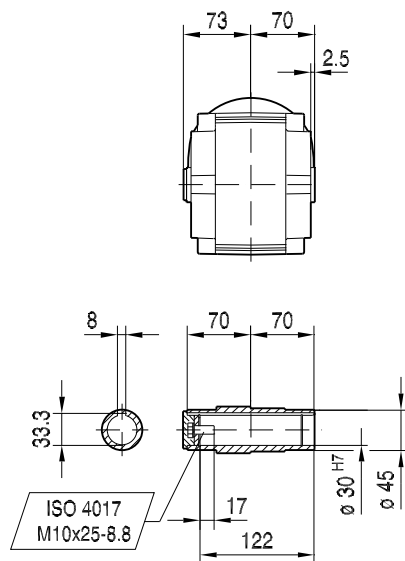
WA47..



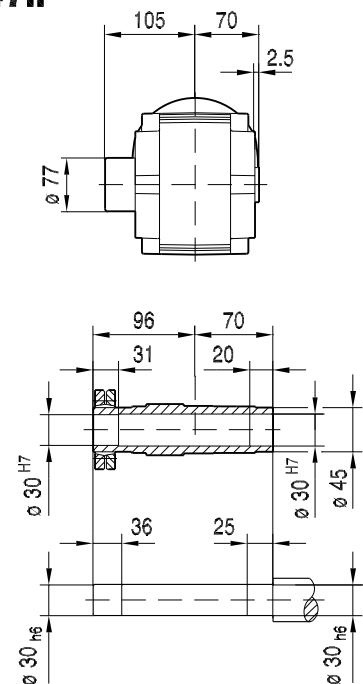
20 018 00 17



WA47..



WH47..

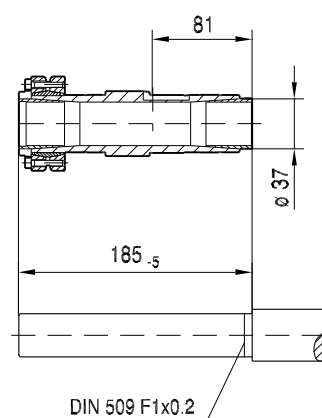
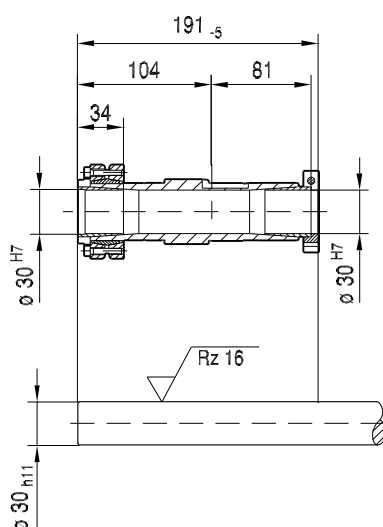
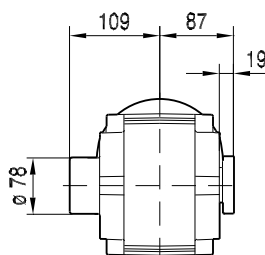
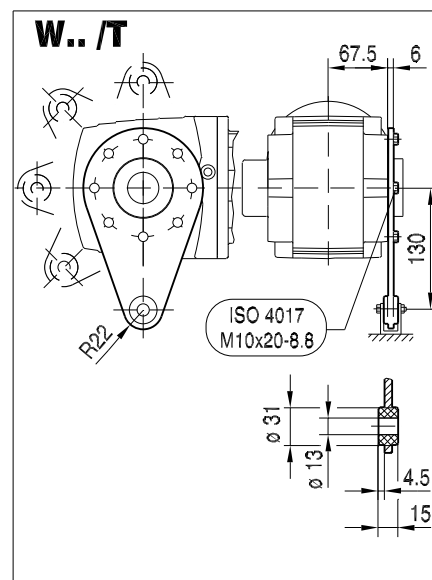
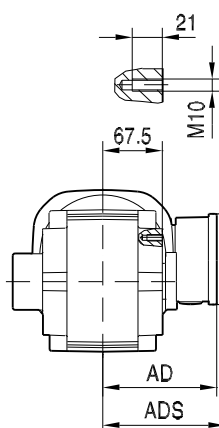
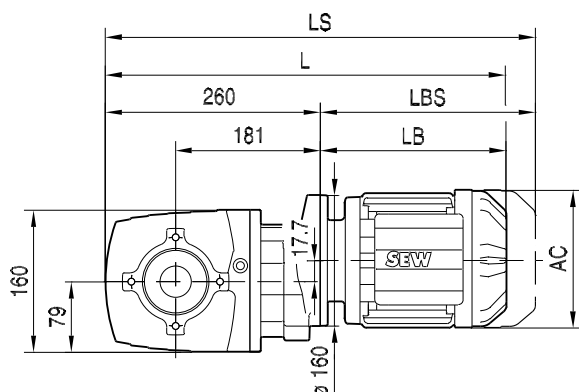


19391609/DE – 06/2017

(→ 176)	DR71S	DR71M	DR80S	DR80M	DR90M	DR90L	DR100M	
AC	139	139	156	156	179	179	197	
AD	119	119	128	128	140	140	157	
ADS	129	129	139	139	150	150	158	
L	456	481	490	521	523	543	573	
LS	524	549	571	602	616	636	666	
LB	196	221	230	261	263	283	313	
LBS	264	289	311	342	356	376	406	

WT47..

20 019 00 17



(→ 176)	DR71S	DR71M	DR80S	DR80M	DR90M	DR90L	DR100M	
AC	139	139	156	156	179	179	197	
AD	119	119	128	128	140	140	157	
ADS	129	129	139	139	150	150	158	
L	456	481	490	521	523	543	573	
LS	524	549	571	602	616	636	666	
LB	196	221	230	261	263	283	313	
LBS	264	289	311	342	356	376	406	