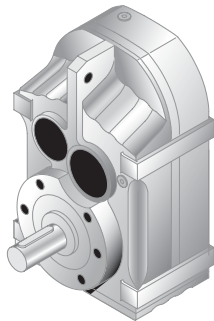
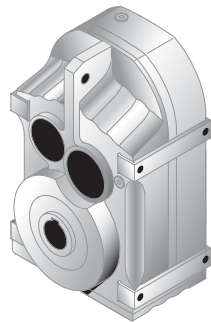


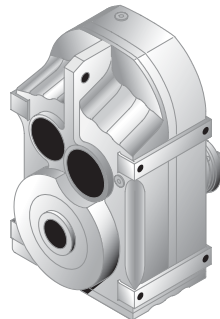
10 F..

10.1 F..VU/VZ..DR/DT/DV..

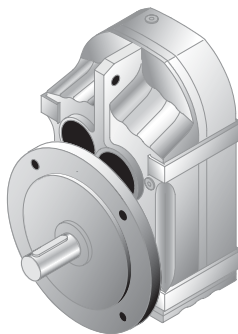
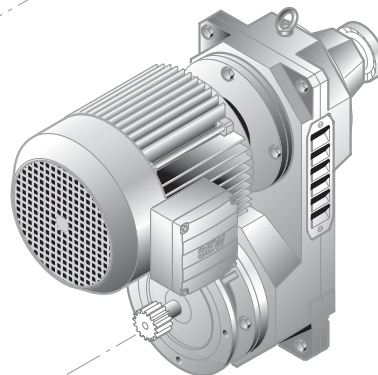
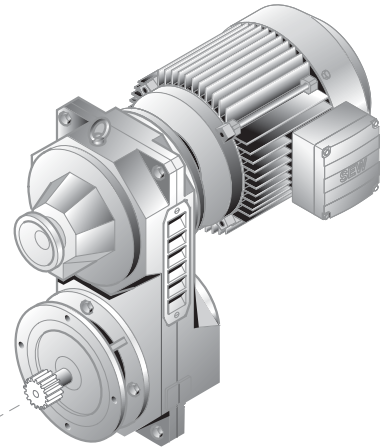
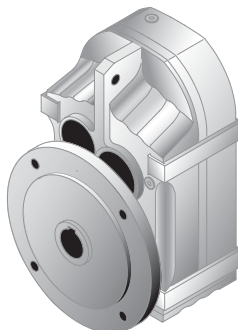
F..VU/VZ..DR/DT/DV..

FA..B VU/VZ..DR/DT/DV..
FV..B VU/VZ..DR/DT/DV..

FH..B VU/VZ..DR/DT/DV..

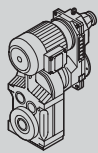


FF..VU/VZ..DR/DT/DV..

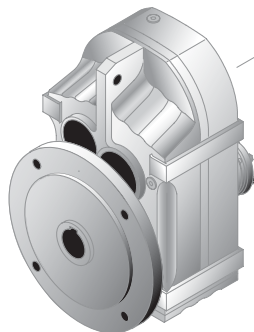
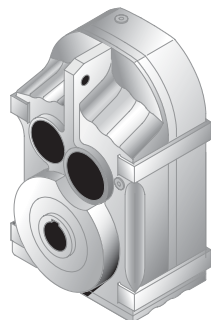
FAF..VU/VZ..DR/DT/DV..
FVF..VU/VZ..DR/DT/DV..

10

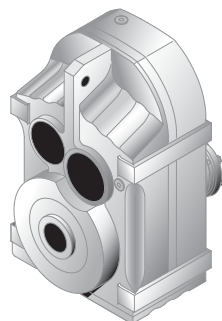
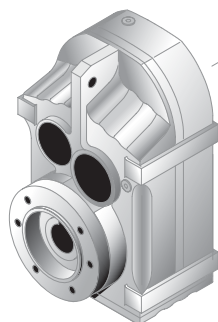
50591AXX



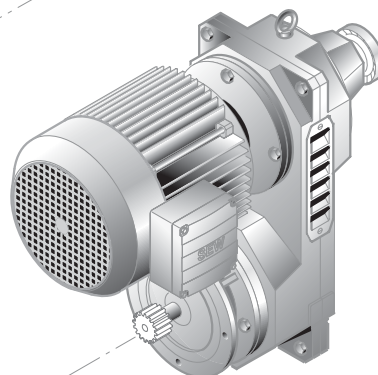
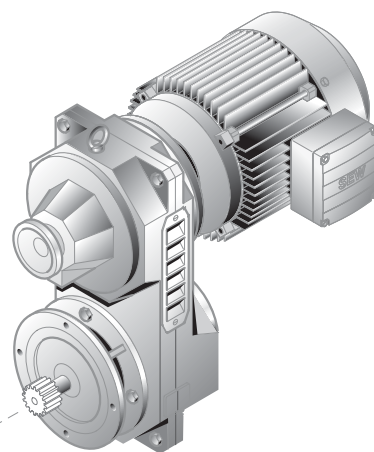
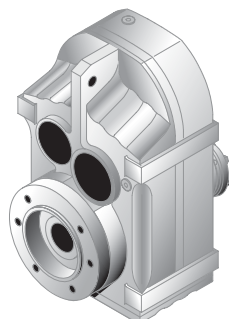
FHF..VU/VZ..DR/DT/DV..

FA..VU/VZ..DR/DT/DV..
FV..VU/VZ..DR/DT/DV..

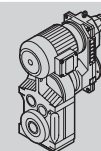
FH..VU/VZ..DR/DT/DV..

FAZ..VU/VZ..DR/DT/DV..
FVZ ..VU/VZ..DR/DT/DV..

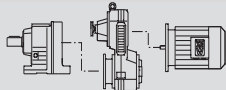
FHZ..VU/VZ..DR/DT/DV..

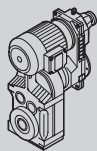


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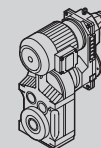


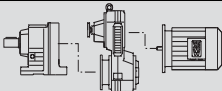
10.2 F..VU/VZ..DR/DT/DV.. [kW]

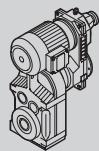
R = 1:5 ... R = 1:6													
P _m /P _{a2} [kW]	n _{a1} - n _{a2} [1/min]	i	M _{a1} [Nm]	M _{a2} [Nm]								m [kg]	
0.25 / 0.18	1.8 - 8.7	228.99	375	220	-	FA 67	VU/VZ	01	DT	71D6	56	281	
	2.1 - 10	195.39	320	187	-	FAF 67	VU/VZ	01	DT	71D6	62	280	
	2.4 - 12	170.85	280	163	-	F 67	VU/VZ	01	DT	71D6	53	-	
	2.5 - 12	162.31	265	155	-	FF 67	VU/VZ	01	DT	71D6	59	280	
	2.0 - 10	199.70	325	191	-	FA 57	VU/VZ	01	DT	71D6	49	279	
	2.2 - 11	183.60	300	176	-	FAF 57	VU/VZ	01	DT	71D6	55	278	
	2.6 - 13	157.09	255	150	-	F 57	VU/VZ	01	DT	71D6	49	-	
	3.0 - 15	136.16	225	130	-	FF 57	VU/VZ	01	DT	71D6	54	278	
	2.1 - 10	190.76	310	182	-	FA 47	VU/VZ	01	DT	71D6	42	277	
	2.3 - 11	175.38	285	168	-	FAF 47	VU/VZ	01	DT	71D6	45	276	
	2.7 - 13	150.06	245	144	-	F 47	VU/VZ	01	DT	71D6	41	-	
	3.1 - 15	130.07	215	124	-	FF 47	VU/VZ	01	DT	71D6	44	276	
	3.4 - 16	121.57	199	116	-								
	3.2 - 15	190.76	300	124	-								
	3.4 - 17	175.38	275	114	-								
	4.0 - 20	150.06	235	97	-	FA 47	VU/VZ	01	DR	63L4	41	277	
	4.6 - 23	130.07	205	84	-	FAF 47	VU/VZ	01	DR	63L4	44	276	
	5.0 - 24	121.57	192	79	-	F 47	VU/VZ	01	DR	63L4	40	-	
	5.8 - 28	105.09	166	68	-	FF 47	VU/VZ	01	DR	63L4	42	276	
	6.8 - 33	89.29	141	58	-								
	7.6 - 37	79.72	126	52	-								
	4.7 - 23	128.51	200	83	-								
	5.1 - 25	117.88	186	76	-								
	6.0 - 29	100.36	159	65	-								
	7.0 - 34	86.53	137	56	-								
	7.5 - 37	80.65	128	52	-								
	8.6 - 42	70.50	111	46	-								
	9.1 - 45	66.09	105	43	-								
	10 - 51	58.32	92	38	-	FA 37	VU/VZ	01	DR	63L4	35	275	
	11 - 54	54.54	86	35	-	FAF 37	VU/VZ	01	DR	63L4	37	274	
	12 - 57	51.70	82	34	-	F 37	VU/VZ	01	DR	63L4	35	-	
	13 - 63	47.02	74	30	-	FF 37	VU/VZ	01	DR	63L4	36	274	
	14 - 67	43.83	69	28	-								
	16 - 77	38.31	61	25	-								
	17 - 82	35.91	57	23	-								
	19 - 93	31.69	50	21	-								
	22 - 105	28.09	44	18	-								
	25 - 124	23.88	38	16	-								
	26 - 125	23.63	37	15	-								
	29 - 143	20.57	33	13	-								
31 - 153	19.27	31	13	-									
35 - 173	17.03	27	11	-									
42 - 206	14.33	23	9.3	-									
47 - 229	12.87	20	8.3	-	FA 37	VU/VZ	01	DR	63L4	35	275		
55 - 266	11.08	18	7.2	-	FAF 37	VU/VZ	01	DR	63L4	37	274		
58 - 283	10.42	17	6.7	-	F 37	VU/VZ	01	DR	63L4	35	-		
67 - 329	8.97	14	5.8	-	FF 37	VU/VZ	01	DR	63L4	36	274		
90 - 438	6.74	11	4.4	-									
100 - 488	6.05	9.6	3.9	-									
116 - 566	5.21	8.2	3.4	-									
123 - 602	4.90	7.7	3.2	-									
143 - 700	4.22	6.7	2.7	-									
0.37 / 0.30	1.6 - 9.2	225.79	1390	315	-	FA 77	VU/VZ	11	DT	80K6	89	283	
	1.8 - 10	198.31	1220	275	-	FAF 77	VU/VZ	11	DT	80K6	100	282	
	1.9 - 11	188.40	1160	260	-	F 77	VU/VZ	11	DT	80K6	86	-	
	2.1 - 12	166.47	1020	230	-	FF 77	VU/VZ	11	DT	80K6	92	282	
	2.5 - 15	142.27	870	197	-								
	1.8 - 11	195.39	820	270	-	FA 67	VU/VZ	11	DT	80K6	63	281	
	2.1 - 12	170.85	820	235	-	FAF 67	VU/VZ	11	DT	80K6	70	280	
	2.2 - 13	162.31	820	225	-	F 67	VU/VZ	11	DT	80K6	61	-	
	2.5 - 15	142.40	820	197	-	FF 67	VU/VZ	11	DT	80K6	67	280	

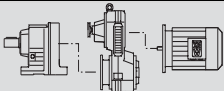


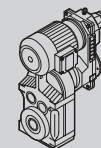
R = 1:5 ... R = 1:6													
P_m/P_{a2} [kW]	n_{a1} [1/min]	-	n_{a2}	i	M_{a1} [Nm]	M_{a2}							m [kg]
0.37 / 0.30	2.7	-	14	228.99	535	210	-						
	3.1	-	16	195.39	455	179	-	FA 67	VU/VZ	01	DT	71D4	56 281
	3.6	-	18	170.85	400	156	-	FAF 67	VU/VZ	01	DT	71D4	62 280
	3.8	-	19	162.31	380	148	-	F 67	VU/VZ	01	DT	71D4	53 -
	4.3	-	22	142.40	335	130	-	FF 67	VU/VZ	01	DT	71D4	59 280
	3.1	-	16	199.70	465	183	-	FA 57	VU/VZ	01	DT	71D4	49 279
	3.3	-	17	183.60	430	168	-	FAF 57	VU/VZ	01	DT	71D4	55 278
	3.9	-	20	157.09	365	144	-	F 57	VU/VZ	01	DT	71D4	49 -
	4.5	-	23	136.16	320	125	-	FF 57	VU/VZ	01	DT	71D4	54 278
	4.8	-	25	127.27	300	116	-						
	3.2	-	16	190.76	400	175	-						
	3.5	-	18	175.38	400	160	-						
	4.1	-	21	150.06	350	137	-	FA 47	VU/VZ	01	DT	71D4	42 277
	4.7	-	24	130.07	305	119	-	FAF 47	VU/VZ	01	DT	71D4	45 276
	5.0	-	26	121.57	285	111	-	F 47	VU/VZ	01	DT	71D4	41 -
	5.8	-	30	105.09	245	96	-	FF 47	VU/VZ	01	DT	71D4	44 276
	6.9	-	35	89.29	210	82	-						
	7.7	-	39	79.72	186	73	-						
	9.0	-	46	68.09	159	62	-						
	4.8	-	24	128.51	200	118	-						
	5.2	-	27	117.88	200	108	-						
	6.1	-	31	100.36	200	92	-						
	7.1	-	36	86.53	200	79	-						
	7.6	-	39	80.65	189	74	-						
	8.7	-	44	70.50	165	65	-						
	9.3	-	47	66.09	155	60	-	FA 37	VU/VZ	01	DT	71D4	37 275
	11	-	54	58.32	136	53	-	FAF 37	VU/VZ	01	DT	71D4	39 274
	11	-	57	54.54	128	50	-	F 37	VU/VZ	01	DT	71D4	36 -
	12	-	61	51.70	121	47	-	FF 37	VU/VZ	01	DT	71D4	38 274
	13	-	67	47.02	110	43	-						
	14	-	71	43.83	103	40	-						
	16	-	82	38.31	90	35	-						
	17	-	87	35.91	84	33	-						
	19	-	99	31.69	74	29	-						
	22	-	112	28.09	66	26	-						
	26	-	131	23.88	56	22	-						
	26	-	133	23.63	55	22	-						
	30	-	152	20.57	48	19	-						
	32	-	163	19.27	45	18	-						
	36	-	184	17.03	40	16	-						
	43	-	219	14.33	34	13	-						
	48	-	243	12.87	30	12	-	FA 37	VU/VZ	01	DT	71D4	37 275
	55	-	283	11.08	26	10	-	FAF 37	VU/VZ	01	DT	71D4	39 274
	59	-	301	10.42	24	9.5	-	F 37	VU/VZ	01	DT	71D4	36 -
	68	-	349	8.97	21	8.2	-	FF 37	VU/VZ	01	DT	71D4	38 274
	91	-	465	6.74	16	6.2	-						
	101	-	518	6.05	14	5.5	-						
	118	-	601	5.21	12	4.8	-						
	125	-	639	4.90	12	4.5	-						
	145	-	743	4.22	9.9	3.9	-						
0.55 / 0.45	1.6	-	9.2	225.79	1390	470	-	FA 77	VU/VZ	11	DT	80N6	90 283
	1.8	-	10	198.31	1220	410	-	FAF 77	VU/VZ	11	DT	80N6	100 282
	1.9	-	11	188.40	1160	390	-	F 77	VU/VZ	11	DT	80N6	87 -
	2.1	-	12	166.47	1020	345	-	FF 77	VU/VZ	11	DT	80N6	93 282
	2.5	-	15	142.27	870	295	-						
	1.8	-	8.9	228.99	745	480	-	FA 67	VU/VZ	01	DT	80N6	59 281
	2.1	-	10	195.39	640	410	-	FAF 67	VU/VZ	01	DT	80N6	65 280
	2.4	-	12	170.85	560	360	-	F 67	VU/VZ	01	DT	80N6	56 -
	2.5	-	13	162.31	530	340	-	FF 67	VU/VZ	01	DT	80N6	62 280
	2.0	-	10	199.70	600	420	-	FA 57	VU/VZ	01	DT	80N6	52 279
	2.2	-	11	183.60	600	385	-	FAF 57	VU/VZ	01	DT	80N6	58 278
	2.6	-	13	157.09	515	330	-	F 57	VU/VZ	01	DT	80N6	52 -
	3.0	-	15	136.16	445	285	-	FF 57	VU/VZ	01	DT	80N6	57 278
	3.2	-	16	127.27	415	270	-						



R = 1:5 ... R = 1:6															
P _m /P _{a2} [kW]	n _{a1} [1/min]	-	n _{a2}	i	M _{a1} [Nm]	M _{a2}								m [kg]	
0.55 / 0.45	2.3	-	12	175.38	400	370	-	FA	47	VU/VZ	01	DT	80N6	45	277
	2.7	-	14	150.06	400	315	-	FAF	47	VU/VZ	01	DT	80N6	48	276
	3.1	-	16	130.07	400	275	-	F	47	VU/VZ	01	DT	80N6	44	-
	3.4	-	17	121.57	395	255	-	FF	47	VU/VZ	01	DT	80N6	47	276
	3.9	-	19	105.09	345	220	-								
	3.2	-	16	190.76	400	265	-								
	3.5	-	18	175.38	400	245	-								
	4.1	-	21	150.06	400	210	-								
	4.7	-	24	130.07	400	181	-								
	5.0	-	25	121.57	380	169	-	FA	47	VU/VZ	01	DT	80K4	44	277
	5.8	-	29	105.09	330	146	-	FAF	47	VU/VZ	01	DT	80K4	47	276
	6.8	-	35	89.29	280	124	-	F	47	VU/VZ	01	DT	80K4	43	-
	7.7	-	39	79.72	250	111	-	FF	47	VU/VZ	01	DT	80K4	46	276
	9.0	-	45	68.09	215	95	-								
	9.3	-	47	65.36	205	91	-								
	11	-	55	56.49	177	79	-								
	4.8	-	24	128.51	200	179	-								
	5.2	-	26	117.88	200	164	-								
	6.1	-	31	100.36	200	140	-								
	7.0	-	36	86.53	200	121	-								
	7.6	-	38	80.65	200	112	-								
	8.7	-	44	70.50	200	98	-								
	9.2	-	47	66.09	200	92	-								
	10	-	53	58.32	183	81	-	FA	37	VU/VZ	01	DT	80K4	39	275
	11	-	57	54.54	171	76	-	FAF	37	VU/VZ	01	DT	80K4	41	274
	12	-	60	51.70	162	72	-	F	37	VU/VZ	01	DT	80K4	38	-
	13	-	66	47.02	147	66	-	FF	37	VU/VZ	01	DT	80K4	40	274
	14	-	70	43.83	137	61	-								
	16	-	81	38.31	120	53	-								
	17	-	86	35.91	112	50	-								
	19	-	97	31.69	99	44	-								
	22	-	110	28.09	88	39	-								
	26	-	129	23.88	75	33	-								
	26	-	131	23.63	74	33	-								
	30	-	150	20.57	64	29	-								
	32	-	160	19.27	60	27	-								
	36	-	181	17.03	53	24	-								
	43	-	215	14.33	45	20	-								
	47	-	240	12.87	40	18	-	FA	37	VU/VZ	01	DT	80K4	39	275
	55	-	279	11.08	35	15	-	FAF	37	VU/VZ	01	DT	80K4	41	274
	59	-	296	10.42	33	15	-	F	37	VU/VZ	01	DT	80K4	38	-
	68	-	344	8.97	28	13	-	FF	37	VU/VZ	01	DT	80K4	40	274
	91	-	458	6.74	21	9.4	-								
	101	-	510	6.05	19	8.4	-								
	117	-	592	5.21	16	7.3	-								
	125	-	630	4.90	15	6.8	-								
	145	-	732	4.22	13	5.9	-								
0.75 / 0.62	2.4	-	14	225.79	1090	420	-	FA	77	VU/VZ	11	DT	80N4	90	283
	2.7	-	16	198.31	960	370	-	FAF	77	VU/VZ	11	DT	80N4	100	282
	2.8	-	17	188.40	910	350	-	F	77	VU/VZ	11	DT	80N4	87	-
	3.2	-	19	166.47	800	310	-	FF	77	VU/VZ	11	DT	80N4	93	282
	3.8	-	22	142.27	685	265	-								
	2.7	-	14	228.99	715	435	-	FA	67	VU/VZ	01	DT	80N4	59	281
	3.1	-	16	195.39	610	370	-	FAF	67	VU/VZ	01	DT	80N4	65	280
	3.6	-	18	170.85	535	325	-	F	67	VU/VZ	01	DT	80N4	56	-
	3.8	-	19	162.31	505	305	-	FF	67	VU/VZ	01	DT	80N4	62	280
	3.1	-	16	199.70	600	380	-								
	3.3	-	17	183.60	575	345	-	FA	57	VU/VZ	01	DT	80N4	52	279
	3.9	-	20	157.09	490	295	-	FAF	57	VU/VZ	01	DT	80N4	58	278
	4.5	-	23	136.16	425	255	-	F	57	VU/VZ	01	DT	80N4	52	-
	4.8	-	25	127.27	395	240	-	FF	57	VU/VZ	01	DT	80N4	57	278

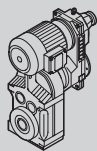


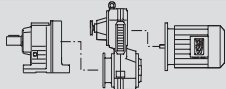
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P _m /P _{a2} [kW]	n _{a1} - n _{a2} [1/min]	i	M _{a1} [Nm]	M _{a2} [Nm]								m [kg]	
0.75 / 0.62	3.2 - 16	190.76	400	360	-								
	3.5 - 18	175.38	400	330	-								
	4.1 - 21	150.06	400	285	-								
	4.7 - 24	130.07	400	245	-	FA 47	VU/VZ 01	DT	80N4	45	277		
	5.0 - 26	121.57	380	230	-	FAF 47	VU/VZ 01	DT	80N4	48	276		
	5.8 - 30	105.09	330	199	-	F 47	VU/VZ 01	DT	80N4	44	-		
	6.9 - 35	89.29	280	169	-	FF 47	VU/VZ 01	DT	80N4	47	276		
	7.7 - 39	79.72	250	151	-								
	9.0 - 46	68.09	210	129	-								
	9.4 - 48	65.36	205	124	-								
	6.1 - 31	100.36	200	190	-								
	7.1 - 36	86.53	200	164	-								
	7.6 - 39	80.65	200	152	-								
	8.7 - 44	70.50	200	133	-								
	9.3 - 47	66.09	200	125	-								
	11 - 54	58.32	182	110	-								
	11 - 57	54.54	170	103	-	FA 37	VU/VZ 01	DT	80N4	40	275		
	12 - 61	51.70	161	98	-	FAF 37	VU/VZ 01	DT	80N4	42	274		
	13 - 67	47.02	147	89	-	F 37	VU/VZ 01	DT	80N4	39	-		
	14 - 71	43.83	137	83	-	FF 37	VU/VZ 01	DT	80N4	41	274		
	16 - 82	38.31	120	72	-								
	17 - 87	35.91	112	68	-								
	19 - 99	31.69	99	60	-								
	22 - 112	28.09	88	53	-								
	26 - 131	23.88	75	45	-								
	26 - 133	23.63	74	45	-								
	30 - 152	20.57	64	39	-								
	32 - 163	19.27	60	36	-								
	36 - 184	17.03	53	32	-								
	43 - 219	14.33	45	27	-								
	48 - 243	12.87	40	24	-	FA 37	VU/VZ 01	DT	80N4	40	275		
	55 - 283	11.08	35	21	-	FAF 37	VU/VZ 01	DT	80N4	42	274		
	59 - 301	10.42	33	20	-	F 37	VU/VZ 01	DT	80N4	39	-		
	68 - 349	8.97	28	17	-	FF 37	VU/VZ 01	DT	80N4	41	274		
	91 - 465	6.74	21	13	-								
	101 - 518	6.05	19	11	-								
	118 - 601	5.21	16	9.9	-								
	125 - 639	4.90	15	9.3	-								
	145 - 743	4.22	13	8.0	-								
	1.1 / 0.90	1.3 - 7.5	270.68	2660	1140	-	FA 87	VU/VZ 21	DT	90L6	160	285	
1.3 - 8.0		255.37	2510	1080	-	FAF 87	VU/VZ 21	DT	90L6	175	284		
1.5 - 8.9		228.93	2250	970	-	F 87	VU/VZ 21	DT	90L6	155	-		
1.7 - 10		197.20	1940	830	-	FF 87	VU/VZ 21	DT	90L6	165	284		
1.9 - 11		179.97	1770	760	-								
1.6 - 9.4		225.79	1380	920	-	FA 77	VU/VZ 11	DT	90L6	97	283		
1.8 - 11		198.31	1210	810	-	FAF 77	VU/VZ 11	DT	90L6	110	282		
1.9 - 11		188.40	1150	765	-	F 77	VU/VZ 11	DT	90L6	94	-		
2.2 - 13		166.47	1020	675	-	FF 77	VU/VZ 11	DT	90L6	100	282		
1.8 - 11		195.39	820	795	-	FA 67	VU/VZ 11	DT	90L6	72	281		
2.1 - 12		170.85	820	695	-	FAF 67	VU/VZ 11	DT	90L6	78	280		
2.2 - 13		162.31	820	660	-	F 67	VU/VZ 11	DT	90L6	69	-		
2.5 - 15		142.40	820	580	-	FF 67	VU/VZ 11	DT	90L6	75	280		
2.8 - 16		195.39	820	520	-	FA 67	VU/VZ 11	DT	90S4	70	281		
3.1 - 19		170.85	820	455	-	FAF 67	VU/VZ 11	DT	90S4	76	280		
3.3 - 20		162.31	820	435	-	F 67	VU/VZ 11	DT	90S4	67	-		
3.8 - 23		142.40	820	380	-	FF 67	VU/VZ 11	DT	90S4	73	280		
3.4 - 21		157.09	600	420	-								
3.9 - 24		136.16	600	365	-								
4.2 - 25		127.27	600	340	-	FA 57	VU/VZ 11	DT	90S4	63	279		
4.9 - 29		110.01	600	295	-	FAF 57	VU/VZ 11	DT	90S4	69	278		
5.7 - 34		93.47	585	250	-	F 57	VU/VZ 11	DT	90S4	63	-		
6.4 - 39		83.46	520	225	-	FF 57	VU/VZ 11	DT	90S4	68	278		
7.4 - 44		72.98	455	195	-								
7.9 - 47	68.22	425	182	-									

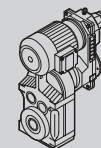


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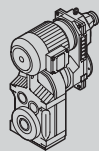
P_m/P_{a2} [kW]	n_{a1} - n_{a2} [1/min]	i	M_{a1} [Nm]	M_{a2} [Nm]			m [kg]	
1.1 / 0.90	4.1 - 25	130.07	400	345	-			
	4.4 - 26	121.57	400	325	-			
	5.1 - 31	105.09	400	280	-			
	6.0 - 36	89.29	400	240	-	FA 47	VU/VZ 11 DT 90S4	58 277
	6.7 - 40	79.72	400	215	-	FAF 47	VU/VZ 11 DT 90S4	61 276
	7.9 - 47	68.09	400	182	-	F 47	VU/VZ 11 DT 90S4	57 -
	8.2 - 49	65.36	400	175	-	FF 47	VU/VZ 11 DT 90S4	60 276
	9.5 - 57	56.49	350	151	-			
	11 - 67	48.00*	300	128	-			
	7.6 - 46	70.50	200	188	-			
	8.1 - 49	66.09	200	176	-			
	9.2 - 55	58.32	200	156	-			
	9.8 - 59	54.54	200	146	-			
	10 - 62	51.70	200	138	-	FA 37	VU/VZ 11 DT 90S4	53 275
	11 - 68	47.02	200	126	-	FAF 37	VU/VZ 11 DT 90S4	55 274
	12 - 73	43.83	200	117	-	F 37	VU/VZ 11 DT 90S4	53 -
	14 - 84	38.31	200	102	-	FF 37	VU/VZ 11 DT 90S4	54 274
	15 - 90	35.91	200	96	-			
	17 - 102	31.69	198	85	-			
	19 - 115	28.09	175	75	-			
	22 - 135	23.88	149	64	-			
	23 - 136	23.63	147	63	-			
	26 - 157	20.57	128	55	-			
	28 - 167	19.27	120	51	-			
	32 - 189	17.03	106	45	-			
	37 - 225	14.33	89	38	-			
	42 - 250	12.87	80	34	-			
	48 - 291	11.08	69	30	-	FA 37	VU/VZ 11 DT 90S4	53 275
	51 - 309	10.42	65	28	-	FAF 37	VU/VZ 11 DT 90S4	55 274
	60 - 359	8.97	56	24	-	F 37	VU/VZ 11 DT 90S4	52 -
	67 - 402	8.01	50	21	-	FF 37	VU/VZ 11 DT 90S4	54 274
	80 - 478	6.74	42	18	-			
	89 - 532	6.05	38	16	-			
	103 - 618	5.21	33	14	-			
	109 - 657	4.90	31	13	-			
	127 - 764	4.22	26	11	-			
	142 - 855	3.77	24	10	-			
1.5 / 1.2	1.9 - 12	270.68	2740	1020	-	FA 87	VU/VZ 21 DT 90L4	160 285
	2.0 - 12	255.37	2580	960	-	FAF 87	VU/VZ 21 DT 90L4	175 284
	2.2 - 14	228.93	2320	860	-	F 87	VU/VZ 21 DT 90L4	155 -
	2.6 - 16	197.20	2000	745	-	FF 87	VU/VZ 21 DT 90L4	165 284
	2.8 - 17	179.97	1820	680	-			
	2.4 - 14	225.79	1400	820	-	FA 77	VU/VZ 11 DT 90L4	97 283
	2.7 - 16	198.31	1230	720	-	FAF 77	VU/VZ 11 DT 90L4	110 282
	2.9 - 17	188.40	1170	680	-	F 77	VU/VZ 11 DT 90L4	94 -
	3.2 - 19	166.47	1040	605	-	FF 77	VU/VZ 11 DT 90L4	100 282
	3.8 - 23	142.27	890	515	-			
	2.8 - 17	195.39	820	710	-			
	3.1 - 19	170.85	820	620	-	FA 67	VU/VZ 11 DT 90L4	72 281
	3.3 - 20	162.31	820	590	-	FAF 67	VU/VZ 11 DT 90L4	78 280
	3.8 - 23	142.40	820	515	-	F 67	VU/VZ 11 DT 90L4	69 -
	4.5 - 27	120.79	750	440	-	FF 67	VU/VZ 11 DT 90L4	75 280
	4.9 - 30	109.04	680	395	-			
	5.6 - 34	95.94	595	350	-			
	3.4 - 21	157.09	600	570	-			
	4.0 - 24	136.16	600	495	-			
	4.2 - 25	127.27	600	460	-	FA 57	VU/VZ 11 DT 90L4	65 279
	4.9 - 29	110.01	600	400	-	FAF 57	VU/VZ 11 DT 90L4	71 278
	5.8 - 35	93.47	580	340	-	F 57	VU/VZ 11 DT 90L4	65 -
	6.4 - 39	83.46	520	300	-	FF 57	VU/VZ 11 DT 90L4	70 278
	7.4 - 44	72.98	455	265	-			
	7.9 - 48	68.22	425	245	-			

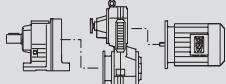


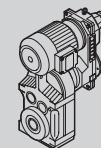
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P _m /P _{a2} [kW]	n _{a1} - n _{a2} [1/min]	i	M _{a1} [Nm]	M _{a2} [Nm]						m [kg]	
1.5 / 1.2	5.1 - 31	105.09	400	380	-						
	6.0 - 36	89.29	400	325	-						
	6.7 - 41	79.72	400	290	-						
	7.9 - 48	68.09	400	245	-	FA 47	VU/VZ 11	DT	90L4	60	277
	8.2 - 50	65.36	400	235	-	FAF 47	VU/VZ 11	DT	90L4	63	276
	9.5 - 57	56.49	350	205	-	F 47	VU/VZ 11	DT	90L4	59	-
	11 - 68	48.00*	300	174	-	FF 47	VU/VZ 11	DT	90L4	62	276
	13 - 76	42.86	265	155	-						
	15 - 89	36.61	230	133	-						
	16 - 95	34.29	215	124	-						
	19 - 112	28.88	180	105	-						
	9.8 - 59	54.54	200	198	-						
	10 - 63	51.70	200	187	-						
	11 - 69	47.02	200	170	-						
	12 - 74	43.83	200	159	-	FA 37	VU/VZ 11	DT	90L4	55	275
	14 - 85	38.31	200	139	-	FAF 37	VU/VZ 11	DT	90L4	57	274
	15 - 90	35.91	200	130	-	F 37	VU/VZ 11	DT	90L4	55	-
	17 - 102	31.69	197	115	-	FF 37	VU/VZ 11	DT	90L4	56	274
	19 - 115	28.09	175	102	-						
	23 - 136	23.88	149	87	-						
	23 - 137	23.63	147	86	-						
	26 - 158	20.57	128	75	-						
	28 - 168	19.27	120	70	-						
	32 - 190	17.03	106	62	-						
	37 - 226	14.33	89	52	-						
	42 - 252	12.87	80	47	-						
	48 - 293	11.08	69	40	-	FA 37	VU/VZ 11	DT	90L4	55	275
	52 - 311	10.42	65	38	-	FAF 37	VU/VZ 11	DT	90L4	57	274
	60 - 362	8.97	56	33	-	F 37	VU/VZ 11	DT	90L4	54	-
	67 - 405	8.01	50	29	-	FF 37	VU/VZ 11	DT	90L4	56	274
	80 - 481	6.74	42	24	-						
	89 - 536	6.05	38	22	-						
	103 - 622	5.21	32	19	-						
	110 - 662	4.90	31	18	-						
	127 - 769	4.22	26	15	-						
	143 - 861	3.77	23	14	-						
2.2 / 1.8	1.2 - 7.3	276.77	4300	2340	-	FA 97	VU/VZ 31	DV	112M6	270	287
	1.4 - 8.0	253.41	4300	2150	-	FAF 97	VU/VZ 31	DV	112M6	305	286
	1.5 - 9.1	223.88	4300	1900	-	F 97	VU/VZ 31	DV	112M6	265	-
	1.8 - 11	189.92	4300	1610	-	FF 97	VU/VZ 31	DV	112M6	285	286
	1.9 - 12	174.87	4060	1480	-						
	1.9 - 12	270.68	3000	1490	-	FA 87	VU/VZ 21	DV	100M4	165	285
	2.0 - 12	255.37	3000	1410	-	FAF 87	VU/VZ 21	DV	100M4	180	284
	2.2 - 14	228.93	3000	1260	-	F 87	VU/VZ 21	DV	100M4	160	-
	2.6 - 16	197.20	2590	1090	-	FF 87	VU/VZ 21	DV	100M4	175	284
	2.6 - 16	198.31	1500	1090	-						
	2.7 - 17	188.40	1500	1040	-	FA 77	VU/VZ 21	DV	100M4	125	283
	3.1 - 19	166.47	1500	920	-	FAF 77	VU/VZ 21	DV	100M4	135	282
	3.6 - 22	142.27	1500	785	-	F 77	VU/VZ 21	DV	100M4	120	-
	3.9 - 24	130.42	1500	720	-	FF 77	VU/VZ 21	DV	100M4	125	282
	3.6 - 22	142.40	820	785	-						
	4.2 - 26	120.79	820	665	-						
	4.7 - 29	109.04	820	600	-						
	5.3 - 32	95.94	820	530	-	FA 67	VU/VZ 21	DV	100M4	99	281
	5.6 - 34	90.59	820	500	-	FAF 67	VU/VZ 21	DV	100M4	105	280
	6.4 - 39	79.76	820	440	-	F 67	VU/VZ 21	DV	100M4	97	-
	7.5 - 46	67.65	820	375	-	FF 67	VU/VZ 21	DV	100M4	105	280
	8.3 - 51	61.07	800	335	-						
	9.5 - 58	53.73	705	295	-						
	10 - 61	50.74	665	280	-						

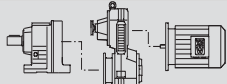


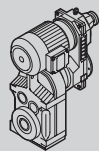
R = 1:5 ... R = 1:6											
P_m/P_{a2} [kW]	n_{a1}	-	n_{a2}	i	M_{a1}	M_{a2}					m
					[Nm]						[kg]
2.2 / 1.8	5.5	-	33	93.47	600	515	-				
	6.1	-	37	83.46	600	460	-				
	7.0	-	43	72.98	600	405	-				
	7.5	-	46	68.22	600	375	-	FA	57	VU/VZ 21 DV 100M4	93 279
	8.6	-	53	58.97	600	325	-	FAF	57	VU/VZ 21 DV 100M4	99 278
	10	-	62	50.10	600	275	-	F	57	VU/VZ 21 DV 100M4	93 -
	11	-	70	44.73	585	245	-	FF	57	VU/VZ 21 DV 100M4	98 278
	13	-	82	38.21	500	210	-				
	14	-	87	35.79	470	197	-				
	17	-	103	30.15	395	166	-				
	17	-	104	29.94	395	165	-				
	18	-	110	28.45	375	157	-				
	20	-	125	24.96	330	138	-				
	24	-	147	21.17	280	117	-				
	27	-	163	19.11	250	105	-				
	30	-	185	16.81	220	93	-				
	32	-	196	15.88	210	88	-	FA	57	VU/VZ 21 DV 100M4	92 279
	38	-	230	13.52	177	75	-	FAF	57	VU/VZ 21 DV 100M4	99 278
	41	-	254	12.29	161	68	-	F	57	VU/VZ 21 DV 100M4	92 -
	48	-	293	10.64	140	59	-	FF	57	VU/VZ 21 DV 100M4	98 278
	55	-	335	9.31	122	51	-				
	62	-	380	8.19	108	45	-				
	66	-	403	7.73	101	43	-				
	77	-	474	6.58	86	36	-				
	85	-	521	5.98	79	33	-				
	98	-	602	5.18	68	29	-				
3.0 / 2.5	1.2	-	7.3	276.77	4300	3190	-	FA	97	VU/VZ 31 DV 132S6	275 287
	1.4	-	8.0	253.41	4300	2920	-	FAF	97	VU/VZ 31 DV 132S6	310 286
	1.5	-	9.1	223.88	4300	2580	-	F	97	VU/VZ 31 DV 132S6	270 -
	1.8	-	11	189.92	4300	2190	-	FF	97	VU/VZ 31 DV 132S6	290 286
	1.9	-	12	174.87	4060	2020	-				
	1.7	-	10	197.20	3000	2270	-	FA	87	VU/VZ 31 DV 132S6	210 285
	1.9	-	11	179.97	3000	2070	-	FAF	87	VU/VZ 31 DV 132S6	225 284
	2.1	-	13	159.61	3000	1840	-	F	87	VU/VZ 31 DV 132S6	205 -
	2.5	-	15	134.16	3000	1550	-	FF	87	VU/VZ 31 DV 132S6	215 284
	1.9	-	11	270.68	3000	2050	-	FA	87	VU/VZ 21 DV 100L4	170 285
	2.0	-	12	255.37	3000	1930	-	FAF	87	VU/VZ 21 DV 100L4	185 284
	2.2	-	14	228.93	3000	1730	-	F	87	VU/VZ 21 DV 100L4	165 -
	2.6	-	16	197.20	2590	1490	-	FF	87	VU/VZ 21 DV 100L4	175 284
	2.8	-	17	179.97	2370	1360	-				
	2.6	-	16	198.31	1500	1500	-				
	2.7	-	16	188.40	1500	1420	-				
	3.1	-	19	166.47	1500	1260	-				
	3.6	-	22	142.27	1500	1080	-	FA	77	VU/VZ 21 DV 100L4	130 283
	3.9	-	24	130.42	1500	990	-	FAF	77	VU/VZ 21 DV 100L4	140 282
	4.4	-	27	114.45	1500	870	-	F	77	VU/VZ 21 DV 100L4	125 -
	4.7	-	29	108.46*	1430	820	-	FF	77	VU/VZ 21 DV 100L4	130 282
	5.4	-	33	94.93	1250	720	-				
	6.0	-	36	85.52	1120	645	-				
	5.3	-	32	95.94	820	725	-				
	5.6	-	34	90.59	820	685	-	FA	67	VU/VZ 21 DV 100L4	105 281
	6.4	-	39	79.76	820	605	-	FAF	67	VU/VZ 21 DV 100L4	110 280
	7.5	-	46	67.65	820	510	-	F	67	VU/VZ 21 DV 100L4	100 -
	8.3	-	51	61.07	800	460	-	FF	67	VU/VZ 21 DV 100L4	105 280
	9.5	-	58	53.73	705	405	-				
	10	-	61	50.74	665	385	-				
	7.0	-	42	72.98	600	550	-				
	7.5	-	45	68.22	600	515	-				
	8.6	-	52	58.97	600	445	-	FA	57	VU/VZ 21 DV 100L4	97 279
	10	-	62	50.10	600	380	-	FAF	57	VU/VZ 21 DV 100L4	105 278
	11	-	69	44.73	590	340	-	F	57	VU/VZ 21 DV 100L4	97 -
	13	-	81	38.21	500	290	-	FF	57	VU/VZ 21 DV 100L4	100 278
	14	-	86	35.79	470	270	-				
	17	-	103	30.15	395	230	-				

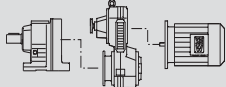


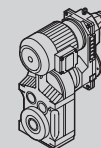
R = 1:5 ... R = 1:6															
P _m /P _{a2} [kW]	n _{a1}	-	n _{a2}	i	M _{a1}	M _{a2}						m			
					[Nm]							[kg]			
3.0 / 2.5	17	-	103	29.94	395	225	-								
	18	-	109	28.45	375	215	-								
	20	-	124	24.96	330	189	-								
	24	-	146	21.17	280	160	-								
	27	-	162	19.11	250	145	-								
	30	-	184	16.81	220	127	-								
	32	-	195	15.88	210	120	-	FA	57	VU/VZ	21	DV	100L4	96	279
	38	-	229	13.52	178	102	-	FAF	57	VU/VZ	21	DV	100L4	105	278
	41	-	252	12.29	162	93	-	F	57	VU/VZ	21	DV	100L4	96	-
	48	-	291	10.64	140	81	-	FF	57	VU/VZ	21	DV	100L4	100	278
	55	-	332	9.31	122	70	-								
	62	-	378	8.19	108	62	-								
	66	-	400	7.73	102	59	-								
	77	-	470	6.58	87	50	-								
	85	-	517	5.98	79	45	-								
	98	-	597	5.18	68	39	-								
4.0 / 3.3	1.3	-	8.0	254.40*	7680	3940	-	FA	107	VU/VZ	41	DV	132M6	425	289
	1.6	-	9.5	215.37	7680	3340	-	FAF	107	VU/VZ	41	DV	132M6	455	288
	1.7	-	10	199.31	7680	3090	-	F	107	VU/VZ	41	DV	132M6	410	-
	1.9	-	11	178.64	7680	2770	-	FF	107	VU/VZ	41	DV	132M6	430	288
	1.8	-	11	276.77	4300	2840	-								
	2.0	-	12	253.41	4300	2600	-	FA	97	VU/VZ	31	DV	112M4	270	287
	2.3	-	14	223.88	4300	2300	-	FAF	97	VU/VZ	31	DV	112M4	305	286
	2.7	-	16	189.92	4300	1950	-	F	97	VU/VZ	31	DV	112M4	265	-
	2.9	-	18	174.87	4090	1800	-	FF	97	VU/VZ	31	DV	112M4	285	286
	2.6	-	16	197.20	3000	2030	-								
	2.8	-	17	179.97	3000	1850	-	FA	87	VU/VZ	31	DV	112M4	205	285
	3.2	-	19	159.61	3000	1640	-	FAF	87	VU/VZ	31	DV	112M4	220	284
	3.8	-	23	134.16	3000	1380	-	F	87	VU/VZ	31	DV	112M4	200	-
	4.1	-	25	123.29	2880	1270	-	FF	87	VU/VZ	31	DV	112M4	210	284
	3.6	-	22	142.27	1500	1460	-								
	3.9	-	24	130.42	1500	1340	-								
	4.5	-	27	114.45	1500	1180	-								
	4.7	-	28	108.46*	1500	1110	-	FA	77	VU/VZ	31	DV	112M4	160	283
	5.4	-	32	94.93	1500	980	-	FAF	77	VU/VZ	31	DV	112M4	170	282
	6.0	-	36	85.52	1500	880	-	F	77	VU/VZ	31	DV	112M4	160	-
	6.8	-	41	75.02	1500	770	-	FF	77	VU/VZ	31	DV	112M4	165	282
	7.0	-	42	72.50	1500	745	-								
	7.7	-	46	66.46	1500	685	-								
	7.5	-	45	67.65	820	695	-								
	8.4	-	50	61.07	820	630	-								
	9.5	-	57	53.73	820	550	-	FA	67	VU/VZ	31	DV	112M4	140	281
	10	-	60	50.74	820	520	-	FAF	67	VU/VZ	31	DV	112M4	145	280
	12	-	71	43.20	820	445	-	F	67	VU/VZ	31	DV	112M4	135	-
	13	-	78	39.26	780	405	-	FF	67	VU/VZ	31	DV	112M4	140	280
	15	-	90	34.01	740	350	-								
	10	-	61	50.10	600	515	-								
	11	-	69	44.73	600	460	-	FA	57	VU/VZ	31	DV	112M4	130	279
	13	-	80	38.21	600	395	-	FAF	57	VU/VZ	31	DV	112M4	140	278
	14	-	86	35.79	600	370	-	F	57	VU/VZ	31	DV	112M4	130	-
	17	-	102	30.15	590	310	-	FF	57	VU/VZ	31	DV	112M4	135	278
	24	-	145	21.17	495	220	-								
	27	-	161	19.11	445	196	-								
	30	-	182	16.81	395	173	-								
	32	-	193	15.88	370	163	-								
	38	-	227	13.52	315	139	-								
	42	-	250	12.29	290	126	-	FA	57	VU/VZ	31	DV	112M4	130	279
	48	-	288	10.64	250	109	-	FAF	57	VU/VZ	31	DV	112M4	140	278
	55	-	329	9.31	220	96	-	F	57	VU/VZ	31	DV	112M4	130	-
	62	-	375	8.19	192	84	-	FF	57	VU/VZ	31	DV	112M4	135	278
	66	-	397	7.73	181	79	-								
	78	-	466	6.58	154	68	-								
	85	-	513	5.98	140	61	-								
	99	-	592	5.18	121	53	-								



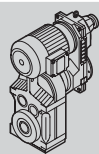
R = 1:5 ... R = 1:6															
P _m /P _{a2} [kW]	n _{a1}	-	n _{a2}	i	M _{a1}	M _{a2}						m			
					[Nm]							[kg]			
5.5 / 4.5	1.3	-	8.0	254.40*	7680	5370	-	FA	107	VU/VZ	41	DV	132ML6	435	289
	1.6	-	9.5	215.37	7680	4550	-	FAF	107	VU/VZ	41	DV	132ML6	465	288
	1.7	-	10	199.31	7680	4210	-	F	107	VU/VZ	41	DV	132ML6	420	-
	1.9	-	11	178.64	7680	3770	-	FF	107	VU/VZ	41	DV	132ML6	440	288
	2.1	-	13	161.28*	7640	3410	-								
	1.9	-	11	276.77	4300	3850	-								
	2.0	-	12	253.41	4300	3530	-	FA	97	VU/VZ	31	DV	132S4	275	287
	2.3	-	14	223.88	4300	3110	-	FAF	97	VU/VZ	31	DV	132S4	310	286
	2.7	-	16	189.92	4300	2640	-	F	97	VU/VZ	31	DV	132S4	270	-
	2.9	-	18	174.87	4080	2430	-	FF	97	VU/VZ	31	DV	132S4	290	286
	3.3	-	20	156.30	3650	2170	-								
	3.6	-	22	140.71	3290	1960	-								
	2.6	-	16	197.20	3000	2740	-								
	2.8	-	17	179.97	3000	2500	-	FA	87	VU/VZ	31	DV	132S4	210	285
	3.2	-	19	159.61	3000	2220	-	FAF	87	VU/VZ	31	DV	132S4	225	284
	3.8	-	23	134.16	3000	1870	-	F	87	VU/VZ	31	DV	132S4	205	-
	4.2	-	25	123.29	2880	1720	-	FF	87	VU/VZ	31	DV	132S4	215	284
	4.7	-	28	109.49	2560	1520	-								
	5.2	-	32	97.89	2290	1360	-								
	5.4	-	33	94.93	1500	1320	-								
	6.0	-	36	85.52	1500	1190	-								
	6.8	-	41	75.02	1500	1040	-	FA	77	VU/VZ	31	DV	132S4	170	283
	7.0	-	43	72.50	1500	1010	-	FAF	77	VU/VZ	31	DV	132S4	180	282
	7.7	-	46	66.46	1500	920	-	F	77	VU/VZ	31	DV	132S4	165	-
	8.8	-	53	58.32	1360	810	-	FF	77	VU/VZ	31	DV	132S4	170	282
	9.2	-	56	55.27	1290	770	-								
	11	-	64	48.37	1130	675	-								
	9.5	-	57	53.73	820	750	-	FA	67	VU/VZ	31	DV	132S4	145	281
	10	-	61	50.74	820	705	-	FAF	67	VU/VZ	31	DV	132S4	150	280
	12	-	72	43.20	820	600	-	F	67	VU/VZ	31	DV	132S4	140	-
	13	-	79	39.26	780	545	-	FF	67	VU/VZ	31	DV	132S4	150	280
	15	-	91	34.01	740	475	-								
	19	-	113	27.41	640	380	-	FA	67	VU/VZ	31	DV	132S4	145	281
	20	-	123	25.13	585	350	-	FAF	67	VU/VZ	31	DV	132S4	150	280
	23	-	140	22.05	515	305	-	F	67	VU/VZ	31	DV	132S4	140	-
	24	-	148	20.90*	490	290	-	FF	67	VU/VZ	31	DV	132S4	145	280
	24	-	146	21.17	495	295	-								
	27	-	162	19.11	445	265	-								
	30	-	184	16.81	395	235	-								
	32	-	195	15.88	370	220	-								
	38	-	228	13.52	315	188	-	FA	57	VU/VZ	31	DV	132S4	135	279
	42	-	251	12.29	285	171	-	FAF	57	VU/VZ	31	DV	132S4	145	278
	48	-	290	10.64	250	148	-	F	57	VU/VZ	31	DV	132S4	135	-
	55	-	332	9.31	215	130	-	FF	57	VU/VZ	31	DV	132S4	145	278
	62	-	377	8.19	191	114	-								
	66	-	400	7.73	181	108	-								
	78	-	469	6.58	154	92	-								
	85	-	517	5.98	140	83	-								
	99	-	596	5.18	121	72	-								
7.5 / 6.2	1.3	-	8.0	254.40*	7680	7400	-	FA	107	VU/VZ	41	DV	160M6	440	289
	1.6	-	9.5	215.37	7680	6270	-	FAF	107	VU/VZ	41	DV	160M6	465	288
	1.7	-	10	199.31	7680	5800	-	F	107	VU/VZ	41	DV	160M6	425	-
	1.9	-	11	178.64	7680	5200	-	FF	107	VU/VZ	41	DV	160M6	445	288
	2.0	-	12	254.40*	7680	4970	-	FA	107	VU/VZ	41	DV	132M4	425	289
	2.3	-	14	215.37	7680	4210	-	FAF	107	VU/VZ	41	DV	132M4	455	288
	2.5	-	15	199.31	7680	3890	-	F	107	VU/VZ	41	DV	132M4	410	-
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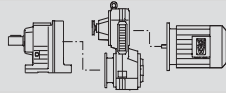


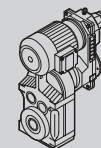
R = 1:5 ... R = 1:6													
P _m /P _{a2} [kW]	n _{a1} - n _{a2} [1/min]	i	M _{a1} [Nm]	M _{a2} [Nm]						m [kg]			
7.5 / 6.2	2.6 - 16	189.92	4300	3710	-								
	2.9 - 17	174.87	4300	3420	-	FA 97	VU/VZ 41	DV 132M4	345	287			
	3.2 - 19	156.30	4300	3050	-	FAF 97	VU/VZ 41	DV 132M4	375	286			
	3.6 - 22	140.71	4300	2750	-	F 97	VU/VZ 41	DV 132M4	335	-			
	3.9 - 24	127.42	4300	2490	-	FF 97	VU/VZ 41	DV 132M4	355	286			
	4.5 - 27	112.99	4300	2210	-								
	4.9 - 30	102.16	4300	2000	-								
	3.8 - 23	134.16	3000	2620	-								
	4.1 - 25	123.29	3000	2410	-								
	4.6 - 28	109.49	3000	2140	-								
	5.1 - 31	97.89	3000	1910	-	FA 87	VU/VZ 41	DV 132M4	280	285			
	5.7 - 34	88.01	3000	1720	-	FAF 87	VU/VZ 41	DV 132M4	295	284			
	6.6 - 40	76.39	3000	1490	-	F 87	VU/VZ 41	DV 132M4	270	-			
	7.4 - 44	68.40	3000	1340	-	FF 87	VU/VZ 41	DV 132M4	285	284			
	8.9 - 53	56.75	2700	1110	-								
	10 - 60	50.36	2390	980	-								
	11 - 67	45.28	2150	880	-								
	15 - 89	33.92	1610	665	-	FA 87	VU/VZ 41	DV 132M4	275	285			
	17 - 105	28.78	1370	560	-	FAF 87	VU/VZ 41	DV 132M4	290	284			
	19 - 114	26.50	1260	520	-	F 87	VU/VZ 41	DV 132M4	270	-			
	21 - 128	23.68	1130	465	-	FF 87	VU/VZ 41	DV 132M4	280	284			
	6.7 - 40	75.02	1500	1470	-								
	8.6 - 52	58.32	1500	1140	-								
	9.1 - 55	55.27	1500	1080	-								
	10 - 63	48.37	1500	940	-	FA 77	VU/VZ 41	DV 132M4	235	283			
	12 - 70	43.58	1500	850	-	FAF 77	VU/VZ 41	DV 132M4	245	282			
	13 - 79	38.23	1500	745	-	F 77	VU/VZ 41	DV 132M4	230	-			
	15 - 90	33.74	1500	660	-	FF 77	VU/VZ 41	DV 132M4	240	282			
	17 - 101	29.91	1420	585	-								
	20 - 119	25.54	1210	500	-								
	20 - 119	25.50*	1210	500	-								
	23 - 141	21.43	1020	420	-								
	26 - 154	19.70	940	385	-								
	29 - 173	17.49	830	340	-								
	32 - 194	15.64*	745	305	-								
	36 - 216	14.06	670	275	-	FA 77	VU/VZ 41	DV 132M4	235	283			
	41 - 248	12.20	580	240	-	FAF 77	VU/VZ 41	DV 132M4	245	282			
	46 - 277	10.93	520	215	-	F 77	VU/VZ 41	DV 132M4	230	-			
	54 - 326	9.30	440	182	-	FF 77	VU/VZ 41	DV 132M4	240	282			
	61 - 367	8.26	390	161	-								
	68 - 410	7.39	350	144	-								
	76 - 457	6.64	315	130	-								
	87 - 526	5.76	275	113	-								
	97 - 588	5.16	245	101	-								
	117 - 708	4.28	205	84	-								
9.2 / 7.5	2.0 - 12	254.40*	7680	5970	-								
	2.3 - 14	215.37	7680	5050	-	FA 107	VU/VZ 41	DV 132ML4	435	289			
	2.5 - 15	199.31	7680	4680	-	FAF 107	VU/VZ 41	DV 132ML4	465	288			
	2.8 - 17	178.64	7680	4190	-	F 107	VU/VZ 41	DV 132ML4	420	-			
	3.1 - 19	161.28*	7650	3780	-	FF 107	VU/VZ 41	DV 132ML4	440	288			
	3.4 - 21	146.49	6950	3440	-								
	3.9 - 23	129.97	6160	3050	-								
	2.9 - 17	174.87	4300	4100	-								
	3.2 - 20	156.30	4300	3670	-								
	3.6 - 22	140.71	4300	3300	-								
	4.0 - 24	127.42	4300	2990	-								
	4.5 - 27	112.99	4300	2650	-								
	4.9 - 30	102.16	4300	2400	-	FA 97	VU/VZ 41	DV 132ML4	355	287			
	5.2 - 31	97.58	4300	2290	-	FAF 97	VU/VZ 41	DV 132ML4	385	286			
	5.6 - 34	89.85	4260	2110	-	F 97	VU/VZ 41	DV 132ML4	345	-			
	5.8 - 35	86.59	4110	2030	-	FF 97	VU/VZ 41	DV 132ML4	365	286			
	6.3 - 38	80.31	3810	1880	-								
	6.7 - 40	75.63	3590	1770	-								
	7.0 - 42	72.29	3430	1700	-								
	7.7 - 47	65.47	3110	1540	-								

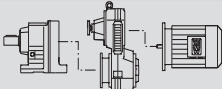


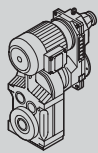
R = 1:5 ... R = 1:6											
P_m/P_{a2} [kW]	n_{a1} [1/min]	n_{a2}	i	M_{a1} [Nm]	M_{a2}						
										m [kg]	
9.2 / 7.5	4.1	- 25	123.29	3000	2890	-					
	4.6	- 28	109.49	3000	2570	-					
	5.1	- 31	97.89	3000	2300	-					
	5.7	- 35	88.01	3000	2070	-	FA	87	VU/VZ	41	DV 132ML4 290 285
	6.6	- 40	76.39	3000	1790	-	FAF	87	VU/VZ	41	DV 132ML4 305 284
	7.4	- 45	68.40	3000	1600	-	F	87	VU/VZ	41	DV 132ML4 280 -
	8.9	- 54	56.75	2690	1330	-	FF	87	VU/VZ	41	DV 132ML4 295 284
	10	- 61	50.36	2390	1180	-					
	11	- 67	45.28	2150	1060	-					
	15	- 90	33.92	1610	795	-	FA	87	VU/VZ	41	DV 132ML4 285 285
	17	- 106	28.78	1360	675	-	FAF	87	VU/VZ	41	DV 132ML4 300 284
	19	- 115	26.50	1260	620	-	F	87	VU/VZ	41	DV 132ML4 280 -
	21	- 129	23.68	1120	555	-	FF	87	VU/VZ	41	DV 132ML4 290 284
	24	- 143	21.32*	1010	500	-					
	8.6	- 52	58.32	1500	1370	-					
	9.1	- 55	55.27	1500	1300	-					
	10	- 63	48.37	1500	1130	-	FA	77	VU/VZ	41	DV 132ML4 245 283
	12	- 70	43.58	1500	1020	-	FAF	77	VU/VZ	41	DV 132ML4 255 282
	13	- 80	38.23	1500	900	-	F	77	VU/VZ	41	DV 132ML4 240 -
	15	- 90	33.74	1500	790	-	FF	77	VU/VZ	41	DV 132ML4 250 282
	17	- 102	29.91	1420	700	-					
	20	- 120	25.54	1210	600	-					
	20	- 120	25.50*	1210	600	-					
	23	- 142	21.43	1020	505	-					
	26	- 155	19.70	930	460	-					
	29	- 175	17.49	830	410	-					
	32	- 195	15.64*	740	365	-					
	36	- 217	14.06	665	330	-	FA	77	VU/VZ	41	DV 132ML4 245 283
	41	- 250	12.20	580	285	-	FAF	77	VU/VZ	41	DV 132ML4 255 282
	46	- 279	10.93	520	255	-	F	77	VU/VZ	41	DV 132ML4 240 -
	54	- 328	9.30	440	220	-	FF	77	VU/VZ	41	DV 132ML4 250 282
	61	- 370	8.26	390	194	-					
	68	- 413	7.39	350	173	-					
	76	- 460	6.64	315	156	-					
	87	- 530	5.76	275	135	-					
	98	- 592	5.16	245	121	-					
	118	- 713	4.28	205	100	-					
11.0 / 9.0	2.0	- 12	254.40*	7680	7160	-					
	2.3	- 14	215.37	7680	6060	-					
	2.5	- 15	199.31	7680	5610	-	FA	107	VU/VZ	41	DV 160M4 440 289
	2.8	- 17	178.64	7680	5030	-	FAF	107	VU/VZ	41	DV 160M4 465 288
	3.1	- 19	161.28*	7650	4540	-	F	107	VU/VZ	41	DV 160M4 425 -
	3.4	- 21	146.49	6950	4120	-	FF	107	VU/VZ	41	DV 160M4 445 288
	3.9	- 23	129.97	6160	3660	-					
	4.3	- 26	117.94	5590	3320	-					
	3.6	- 22	140.71	4300	3960	-					
	4.0	- 24	127.42	4300	3590	-					
	4.5	- 27	112.99	4300	3180	-					
	4.9	- 30	102.16	4300	2880	-	FA	97	VU/VZ	41	DV 160M4 355 287
	5.2	- 31	97.58	4300	2750	-	FAF	97	VU/VZ	41	DV 160M4 390 286
	5.6	- 34	89.85	4260	2530	-	F	97	VU/VZ	41	DV 160M4 350 -
	5.8	- 35	86.59	4110	2440	-	FF	97	VU/VZ	41	DV 160M4 370 286
	6.3	- 38	80.31	3810	2260	-					
	6.7	- 40	75.63	3590	2130	-					
	7.0	- 42	72.29	3430	2040	-					
	7.7	- 47	65.47	3110	1840	-					
	5.1	- 31	97.89	3000	2760	-					
	5.7	- 35	88.01	3000	2480	-	FA	87	VU/VZ	41	DV 160M4 290 285
	6.6	- 40	76.39	3000	2150	-	FAF	87	VU/VZ	41	DV 160M4 305 284
	7.4	- 45	68.40	3000	1930	-	F	87	VU/VZ	41	DV 160M4 285 -
	8.9	- 54	56.75	2690	1600	-	FF	87	VU/VZ	41	DV 160M4 300 284
	10	- 61	50.36	2390	1420	-					
	11	- 67	45.28	2150	1270	-					

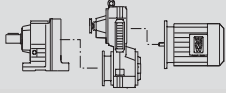


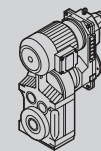
R = 1:5 ... R = 1:6													
P _m /P _{a2} [kW]	n _{a1} - n _{a2} [1/min]	i	M _{a1} [Nm]	M _{a2} [Nm]								m [kg]	
11.0 / 9.0	15 - 90	33.92	1610	960	-								
	17 - 106	28.78	1360	810	-								
	19 - 115	26.50	1260	745	-								
	21 - 129	23.68	1120	665	-								
	24 - 143	21.32*	1010	600	-								
	26 - 158	19.31	920	545	-								
	29 - 178	17.12	810	480	-								
	33 - 197	15.48	735	435	-	FA 87	VU/VZ 41	DV 160M4	290	285			
	38 - 233	13.12*	620	370	-	FAF 87	VU/VZ 41	DV 160M4	305	284			
	44 - 266	11.46	545	325	-	F 87	VU/VZ 41	DV 160M4	285	-			
	53 - 319	9.58	455	270	M2	FF 87	VU/VZ 41	DV 160M4	295	284			
	61 - 368	8.29	395	235	-								
	68 - 415	7.35	350	205	-								
	76 - 459	6.65	315	187	-								
	89 - 542	5.63	265	159	-								
	102 - 620	4.92	235	139	-								
	122 - 742	4.12	195	116	M2								
	10 - 63	48.37	1500	1360	-								
	12 - 70	43.58	1500	1230	-	FA 77	VU/VZ 41	DV 160M4	250	283			
	13 - 80	38.23	1500	1080	-	FAF 77	VU/VZ 41	DV 160M4	260	282			
	15 - 90	33.74	1500	950	-	F 77	VU/VZ 41	DV 160M4	245	-			
	17 - 102	29.91	1420	840	-	FF 77	VU/VZ 41	DV 160M4	255	282			
	20 - 120	25.54	1210	720	-								
	20 - 120	25.50*	1210	720	-								
	23 - 142	21.43	1020	605	-								
	26 - 155	19.70	930	555	-								
	29 - 175	17.49	830	495	-								
	32 - 195	15.64*	740	440	-								
	36 - 217	14.06	665	395	-								
	41 - 250	12.20	580	345	-	FA 77	VU/VZ 41	DV 160M4	250	283			
	46 - 279	10.93	520	310	-	FAF 77	VU/VZ 41	DV 160M4	260	282			
	54 - 328	9.30	440	260	-	F 77	VU/VZ 41	DV 160M4	245	-			
	61 - 370	8.26	390	235	-	FF 77	VU/VZ 41	DV 160M4	250	282			
	68 - 413	7.39	350	210	-								
	76 - 460	6.64	315	187	-								
	87 - 530	5.76	275	162	-								
	98 - 592	5.16	245	145	-								
	118 - 713	4.28	205	121	-								
15.0 / 12.3	3.0 - 18	170.83	12000	6480	-	FA 127	VU 51	DV 160L4	720	291			
	3.3 - 20	153.67*	12000	5830	-	FAF 127	VU 51	DV 160L4	770	290			
	4.1 - 25	125.37	10500	4760	-	F 127	VU 51	DV 160L4	690	-			
	4.5 - 27	114.34	9560	4340	-	FF 127	VU 51	DV 160L4	730	290			
	2.6 - 16	199.31	7680	7560	-								
	2.9 - 17	178.64	7680	6780	-								
	3.2 - 19	161.28*	7680	6120	-								
	3.5 - 21	146.49	7680	5560	-	FA 107	VU 51	DV 160L4	550	289			
	4.0 - 24	129.97	7680	4930	-	FAF 107	VU 51	DV 160L4	580	288			
	4.4 - 26	117.94	7680	4480	-	F 107	VU 51	DV 160L4	540	-			
	5.1 - 31	101.38*	7680	3850	-	FF 107	VU 51	DV 160L4	560	288			
	5.6 - 33	92.47*	7680	3510	-								
	5.8 - 35	88.49	7400	3360	M2								
	6.1 - 37	83.99	7020	3190	-								
	4.5 - 27	112.99	4300	4290	-								
	5.0 - 30	102.16	4300	3880	-								
	5.7 - 34	89.85	4300	3410	-								
	5.9 - 36	86.59	4300	3290	-								
	6.4 - 39	80.31	4300	3050	-								
	6.8 - 41	75.63	4300	2870	M2	FA 97	VU 51	DV 160L4	470	287			
	7.1 - 43	72.29	4300	2740	-	FAF 97	VU 51	DV 160L4	500	286			
	7.9 - 47	65.47	4300	2480	-	F 97	VU 51	DV 160L4	460	-			
	8.8 - 53	58.06	4300	2200	-	FF 97	VU 51	DV 160L4	480	286			
	9.8 - 59	52.49	4300	1990	-								
	12 - 70	44.49	3720	1690	-								
	13 - 80	38.86	3250	1470	M2								
	16 - 95	32.50	2720	1230	M2								

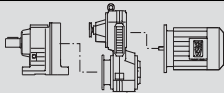


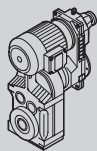
R = 1:5 ... R = 1:6															
P _m /P _{a2} [kW]	n _{a1} [1/min]	-	n _{a2}	i	M _{a1} [Nm]	M _{a2}								m [kg]	
15.0 / 12.3	15	-	91	33.91	2840	1290	-	FA 97 FAF 97 F 97 FF 97	VU VU VU VU	51 51 51 51	DV DV DV DV	160L4 160L4 160L4 160L4	460 495 455 475	287 286 - 286	
	17	-	102	30.39	2540	1150	-								
	19	-	113	27.44*	2300	1040	-								
	21	-	124	24.92	2080	950	-								
	23	-	140	22.11	1850	840	-								
	26	-	154	20.07	1680	760	-	FA 87 FAF 87 F 87 FF 87	VU VU VU VU	51 51 51 51	DV DV DV DV	160L4 160L4 160L4 160L4	400 415 395 410	285 284 - 284	
	6.7	-	41	76.39	3000	2900	-								
	7.5	-	45	68.40	3000	2600	-								
	9.1	-	55	56.75	3000	2150	-								
	10	-	61	50.36	2940	1910	-								
	11	-	68	45.28	2820	1720	-								
	13	-	79	39.30	2720	1490	-								
	15	-	88	35.19	2610	1340	-								
	18	-	106	29.20	2440	1110	-								
	19	-	117	26.50	2220	1010	-	FA 87 FAF 87 F 87 FF 87	VU VU VU VU	51 51 51 51	DV DV DV DV	160L4 160L4 160L4 160L4	400 415 395 405	285 284 - 284	
	22	-	131	23.68	1980	900	-								
	24	-	145	21.32*	1780	810	-								
	27	-	160	19.31	1610	735	-								
	30	-	181	17.12	1430	650	-								
	33	-	200	15.48	1290	590	-								
	39	-	236	13.12*	1100	500	-								
	45	-	270	11.46	960	435	M2								
	54	-	323	9.58	800	365	M2								
	62	-	373	8.29	695	315	-								
	70	-	421	7.35	615	280	-								
	77	-	466	6.65	555	250	-								
	91	-	549	5.63	470	215	-								
	104	-	629	4.92	410	187	M2								
	125	-	752	4.12	345	156	M2								
	18.5 / 15.2	3.0	-	18	170.83	12000	7980								-
		3.4	-	20	153.67*	12000	7180	-							
		4.1	-	25	125.37	10500	5860	-							
		4.5	-	27	114.34	9560	5340	-							
		3.2	-	19	161.28*	7680	7540	-	FA 107 FAF 107 F 107 FF 107	VU VU VU VU	51 51 51 51	DV DV DV DV	180M4 180M4 180M4 180M4	600 630 590 610	289 288 - 288
		3.5	-	21	146.49	7680	6850	-							
		4.0	-	24	129.97	7680	6070	-							
		4.4	-	26	117.94	7680	5510	-							
		5.1	-	31	101.38*	7680	4740	-							
		5.6	-	34	92.47*	7680	4320	-							
		5.8	-	35	88.49	7400	4140	M2							
		6.1	-	37	83.99	7020	3930	-							
		6.9	-	42	74.52	6230	3480	-							
		7.6	-	46	67.62	5650	3160	-							
		5.7	-	35	89.85	4300	4200	-	FA 97 FAF 97 F 97 FF 97	VU VU VU VU	51 51 51 51	DV DV DV DV	180M4 180M4 180M4 180M4	520 550 510 530	287 286 - 286
		5.9	-	36	86.59	4300	4050	-							
		6.4	-	39	80.31	4300	3750	-							
6.8		-	41	75.63	4300	3530	M2								
7.1		-	43	72.29	4300	3380	-								
15		-	92	33.91	2830	1580	-	FA 97 FAF 97 F 97 FF 97	VU VU VU VU	51 51 51 51	DV DV DV DV	180M4 180M4 180M4 180M4	510 550 500 530	287 286 - 286	
17		-	102	30.39	2540	1420	-								
19		-	113	27.44*	2290	1280	-								
21		-	125	24.92	2080	1160	-								
9.1		-	55	56.75	3000	2650	M2	FA 87 FAF 87 F 87 FF 87	VU VU VU VU	51 51 51 51	DV DV DV DV	180M4 180M4 180M4 180M4	450 465 445 460	285 284 - 284	
10		-	62	50.36	2940	2350	-								
11		-	69	45.28	2820	2120	-								
13		-	79	39.30	2720	1840	-								
15		-	88	35.19	2610	1640	-								
18	-	106	29.20	2440	1360	M2									

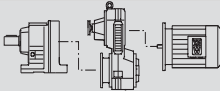


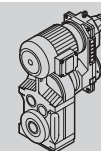
R = 1:5 ... R = 1:6														
P _m /P _{a2} [kW]	n _{a1} [1/min]	- n _{a2}	i	M _{a1} [Nm]	M _{a2}								m [kg]	
18.5 / 15.2	19	- 117	26.50	2210	1240	-								
	22	- 131	23.68	1980	1110	-								
	24	- 146	21.32*	1780	1000	-								
	27	- 161	19.31	1610	900	-								
	30	- 181	17.12	1430	800	-								
	33	- 201	15.48	1290	725	-								
	39	- 237	13.12*	1100	615	-	FA 87	VU	51	DV	180M4	450	285	
	45	- 271	11.46	960	535	M2	FAF 87	VU	51	DV	180M4	465	284	
	54	- 324	9.58	800	450	M2	F 87	VU	51	DV	180M4	445	-	
	62	- 375	8.29	695	390	-	FF 87	VU	51	DV	180M4	455	284	
	70	- 422	7.35	615	345	-								
	77	- 467	6.65	555	310	-								
	91	- 551	5.63	470	265	-								
	105	- 631	4.92	410	230	M2								
125	- 755	4.12	345	192	M2									
22 / 18.0	3.0	- 18	170.83	12000	9460	-	FA 127	VU	51	DV	180L4	790	291	
	3.4	- 20	153.67*	12000	8510	-	FAF 127	VU	51	DV	180L4	830	290	
	4.1	- 25	125.37	10500	6940	-	F 127	VU	51	DV	180L4	750	-	
	4.5	- 27	114.34	9560	6330	-	FF 127	VU	51	DV	180L4	790	290	
	4.0	- 24	129.97	7680	7190	-								
	4.4	- 26	117.94	7680	6530	-	FA 107	VU	51	DV	180L4	620	289	
	5.1	- 31	101.38*	7680	5610	M2	FAF 107	VU	51	DV	180L4	650	288	
	5.6	- 34	92.47*	7680	5120	-	F 107	VU	51	DV	180L4	600	-	
	5.8	- 35	88.49	7400	4900	M2	FF 107	VU	51	DV	180L4	620	288	
	6.1	- 37	83.99	7020	4650	-								
	6.8	- 41	75.63	4300	4190	M2	FA 97	VU	51	DV	180L4	530	287	
	7.1	- 43	72.29	4300	4000	-	FAF 97	VU	51	DV	180L4	560	286	
	7.9	- 47	65.47	4300	3620	-	F 97	VU	51	DV	180L4	520	-	
	8.9	- 54	58.06	4300	3210	-	FF 97	VU	51	DV	180L4	550	286	
	15	- 92	33.91	2830	1880	-								
	17	- 102	30.39	2540	1680	-	FA 97	VU	51	DV	180L4	530	287	
	19	- 113	27.44*	2290	1520	-	FAF 97	VU	51	DV	180L4	560	286	
	21	- 125	24.92	2080	1380	-	F 97	VU	51	DV	180L4	520	-	
	23	- 140	22.11	1850	1220	-	FF 97	VU	51	DV	180L4	540	286	
	10	- 62	50.36	2940	2790	-								
	11	- 69	45.28	2820	2510	-	FA 87	VU	51	DV	180L4	465	285	
	13	- 79	39.30	2720	2180	-	FAF 87	VU	51	DV	180L4	480	284	
	15	- 88	35.19	2610	1950	-	F 87	VU	51	DV	180L4	460	-	
	18	- 106	29.20	2440	1620	M2	FF 87	VU	51	DV	180L4	470	284	
	19	- 117	26.50	2210	1470	-								
	22	- 131	23.68	1980	1310	-								
	24	- 146	21.32*	1780	1180	-								
	27	- 161	19.31	1610	1070	-								
	30	- 181	17.12	1430	950	-								
	33	- 201	15.48	1290	860	-								
	39	- 237	13.12*	1100	725	-	FA 87	VU	51	DV	180L4	460	285	
	45	- 271	11.46	960	635	M2	FAF 87	VU	51	DV	180L4	480	284	
	54	- 324	9.58	800	530	M2	F 87	VU	51	DV	180L4	455	-	
	62	- 375	8.29	695	460	-	FF 87	VU	51	DV	180L4	470	284	
	70	- 422	7.35	615	405	-								
	77	- 467	6.65	555	370	-								
	91	- 551	5.63	470	310	-								
	105	- 631	4.92	410	270	M2								
	125	- 755	4.12	345	230	M2								



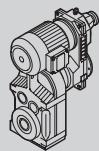
R = 1:4															
P_m/P_{a2} [kW]	n_{a1} [1/min]	-	n_{a2}	i	M_{a1} [Nm]	M_{a2}						m [kg]			
30 / 25	3.1	-	14	178.20*	18000	16800	-	FA	157	VU	6	DV	200L4	1170	293
	3.4	-	16	162.96	18000	15400	-	FAF	157	VU	6	DV	200L4	1280	292
	3.9	-	18	141.80*	18000	13400	-	F	157	VU	6	DV	200L4	1150	-
	4.4	-	20	125.14	18000	11800	-	FF	157	VU	6	DV	200L4	1210	292
	4.4	-	20	125.37	12000	11800	-	FA	127	VU	6	DV	200L4	910	291
	4.8	-	22	114.34	12000	10800	-	FAF	127	VU	6	DV	200L4	960	290
	5.5	-	26	98.95	12000	9340	-	F	127	VU	6	DV	200L4	870	-
	6.3	-	29	87.31*	12000	8240	-	FF	127	VU	6	DV	200L4	910	290
	7.3	-	34	75.41*	12000	7120	-								
	7.4	-	34	74.52	7680	7040	-								
	8.1	-	37	67.62	7680	6390	-								
	9.4	-	44	58.12*	7680	5490	-	FA	107	VU	6	DV	200L4	750	289
	11	-	50	50.73	7680	4790	-	FAF	107	VU	6	DV	200L4	780	288
	11	-	50	50.73	7680	4790	-	F	107	VU	6	DV	200L4	730	-
	13	-	59	43.03	7490	4060	M2	FF	107	VU	6	DV	200L4	750	288
	15	-	67	37.61	6550	3550	M2,5-6								
	17	-	80	31.80	5530	3000	M2,4-6								
	16	-	75	33.79*	5880	3190	-								
	20	-	92	27.57	4800	2600	-								
	22	-	101	25.14	4380	2370	-								
	25	-	116	21.76*	3790	2050	-								
	29	-	132	19.20*	3340	1810	-	FA	107	VU	6	DV	200L4	740	289
	33	-	152	16.58	2890	1570	-	FAF	107	VU	6	DV	200L4	770	288
	37	-	172	14.67	2550	1390	M2	F	107	VU	6	DV	200L4	720	-
	45	-	205	12.33	2150	1160	M2,5-6	FF	107	VU	6	DV	200L4	740	288
	55	-	254	9.96	1730	940	M2,4-6								
	57	-	261	9.69	1690	920	-								
	66	-	302	8.37	1460	790	-								
	74	-	341	7.40	1290	700	M2								
	88	-	406	6.22	1080	590	M2,5-6								

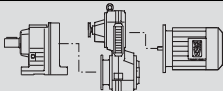


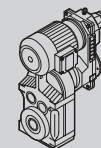
R = 1:3																
P _m /P _{a2} [kW]	n _{a1}	-	n _{a2}	i	M _{a1}	M _{a2}								m		
														[kg]		
37 / 30	5.5	-	17	125.14	18000	17200	-	FA	157	VU	6	DV	225S4	1250	293	
	6.3	-	19	108.49	18000	14900	-	FAF	157	VU	6	DV	225S4	1360	292	
								F	157	VU	6	DV	225S4	1230	-	
								FF	157	VU	6	DV	225S4	1290	292	
	7.9	-	24	87.31*	12000	12000	-	FA	127	VU	6	DV	225S4	1000	291	
	9.1	-	28	75.41*	12000	10300	-	FAF	127	VU	6	DV	225S4	1040	290	
	9.8	-	30	70.07	12000	9620	-	F	127	VU	6	DV	225S4	960	-	
	11	-	33	63.91	12000	8770	-	FF	127	VU	6	DV	225S4	1000	290	
	14	-	41	50.73	7680	6960	-	FA	107	VU	6	DV	225S4	830	289	
	16	-	49	43.03	7680	5910	-	FAF	107	VU	6	DV	225S4	860	288	
	18	-	56	37.61	7680	5160	M2	F	107	VU	6	DV	225S4	820	-	
	22	-	66	31.80	6620	4360	M2,5-6	FF	107	VU	6	DV	225S4	840	288	
	20	-	62	33.79*	7040	4640	-									
	25	-	76	27.57	5740	3780	-									
	27	-	83	25.14	5240	3450	-									
	32	-	96	21.76*	4530	2990	-									
	36	-	109	19.20*	4000	2640	-									
	41	-	126	16.58	3450	2280	-	FA	107	VU	6	DV	225S4	820	289	
	47	-	142	14.67	3050	2010	-	FAF	107	VU	6	DV	225S4	850	288	
	56	-	169	12.33	2570	1690	M2	F	107	VU	6	DV	225S4	810	-	
	69	-	210	9.96	2070	1370	M2,5-6	FF	107	VU	6	DV	225S4	830	288	
	71	-	215	9.69	2020	1330	-									
	82	-	249	8.37	1740	1150	-									
	93	-	282	7.40	1540	1020	-									
	111	-	335	6.22	1300	850	M2									
	45 / 37	7.1	-	22	96.53*	18000	16300	-	FA	157	VU	6	DV	225M4	1280	293
		8.0	-	24	85.80*	17900	14500	-	FAF	157	VU	6	DV	225M4	1390	292
		8.8	-	27	78.46	16300	13300	-	F	157	VU	6	DV	225M4	1260	-
								FF	157	VU	6	DV	225M4	1320	292	
9.8		-	30	70.07	12000	11900	-	FA	127	VU	6	DV	225M4	1030	291	
11		-	33	63.91	12000	10800	-	FAF	127	VU	6	DV	225M4	1070	290	
12		-	38	55.31	11500	9360	-	F	127	VU	6	DV	225M4	990	-	
14		-	43	48.80	10200	8260	-	FF	127	VU	6	DV	225M4	1030	290	
16		-	50	42.15	8780	7130	-									
16		-	49	43.03	7680	7280	M2	FA	107	VU	6	DV	225M4	860	289	
18		-	56	37.61	7680	6370	M2,5-6	FAF	107	VU	6	DV	225M4	890	288	
22		-	66	31.80	6620	5380	M2,5-6	F	107	VU	6	DV	225M4	850	-	
								FF	107	VU	6	DV	225M4	870	288	
20		-	62	33.79*	7040	5720	-									
25		-	76	27.57	5740	4670	-									
27		-	83	25.14	5240	4260	-									
32		-	96	21.76*	4530	3680	-									
36		-	109	19.20*	4000	3250	-									
41		-	126	16.58	3450	2810	-	FA	107	VU	6	DV	225M4	850	289	
47		-	142	14.67	3050	2480	-	FAF	107	VU	6	DV	225M4	880	288	
56		-	169	12.33	2570	2090	M2	F	107	VU	6	DV	225M4	840	-	
69		-	210	9.96	2070	1690	M2,5-6	FF	107	VU	6	DV	225M4	860	288	
71		-	215	9.69	2020	1640	-									
82		-	249	8.37	1740	1420	-									
93		-	282	7.40	1540	1250	-									
111		-	335	6.22	1300	1050	M2									



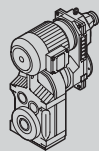
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P _m /P _{a2} [kW]	n _{a1} - n _{a2} [1/min]	i	M _{a1} [Nm]	M _{a2}						m			
										[kg]			
0.37 / 0.30	1.6 - 11	225.79	1390	260	-	FA 77	VU/VZ	11	DT	80K6	89	283	
	1.8 - 12	198.31	1220	230	-	FAF 77	VU/VZ	11	DT	80K6	100	282	
	1.9 - 13	188.40	1160	220	-	F 77	VU/VZ	11	DT	80K6	86	-	
	2.1 - 15	166.47	1020	193	-	FF 77	VU/VZ	11	DT	80K6	92	282	
	2.5 - 17	142.27	870	165	-								
	1.8 - 13	195.39	820	225	-	FA 67	VU/VZ	11	DT	80K6	63	281	
	2.1 - 14	170.85	820	198	-	FAF 67	VU/VZ	11	DT	80K6	70	280	
	2.2 - 15	162.31	820	188	-	F 67	VU/VZ	11	DT	80K6	61	-	
	2.5 - 17	142.40	820	165	-	FF 67	VU/VZ	11	DT	80K6	67	280	
	3.0 - 20	120.79	740	140	-								
	2.3 - 16	157.09	600	182	-								
	2.6 - 18	136.16	600	158	-								
	2.8 - 19	127.27	600	147	-	FA 57	VU/VZ	11	DT	80K6	57	279	
	3.2 - 23	110.01	600	127	-	FAF 57	VU/VZ	11	DT	80K6	63	278	
	3.8 - 26	93.47	575	108	-	F 57	VU/VZ	11	DT	80K6	57	-	
	4.3 - 30	83.46	515	97	-	FF 57	VU/VZ	11	DT	80K6	62	278	
	4.9 - 34	72.98	450	85	-								
	5.2 - 36	68.22	420	79	-								
	2.4 - 16	150.06	400	174	-								
	2.8 - 19	130.07	400	151	-								
	2.9 - 20	121.57	400	141	-	FA 47	VU/VZ	11	DT	80K6	52	277	
	3.4 - 24	105.09	400	122	-	FAF 47	VU/VZ	11	DT	80K6	55	276	
	4.0 - 28	89.29	400	103	-	F 47	VU/VZ	11	DT	80K6	51	-	
	4.5 - 31	79.72	400	92	-	FF 47	VU/VZ	11	DT	80K6	54	276	
	5.2 - 36	68.09	400	79	-								
	5.5 - 38	65.36	400	76	-								
	3.6 - 25	100.36	200	116	-								
	4.1 - 29	86.53	200	100	-								
	4.4 - 31	80.65	200	93	-								
	5.1 - 35	70.50	200	82	-								
	5.4 - 37	66.09	200	77	-								
	6.1 - 42	58.32	200	68	-	FA 37	VU/VZ	11	DT	80K6	47	275	
	6.6 - 45	54.54	200	63	-	FAF 37	VU/VZ	11	DT	80K6	49	274	
	6.9 - 48	51.70	200	60	-	F 37	VU/VZ	11	DT	80K6	46	-	
	7.6 - 53	47.02	200	54	-	FF 37	VU/VZ	11	DT	80K6	48	274	
	8.2 - 56	43.83	200	51	-								
	9.3 - 65	38.31	200	44	-								
	10 - 69	35.91	200	42	-								
	11 - 78	31.69	195	37	-								
	13 - 88	28.09	173	33	-								
	15 - 104	23.88	147	28	-								
	15 - 105	23.63	145	27	-								
	17 - 120	20.57	126	24	-								
	19 - 128	19.27	118	22	-								
	21 - 145	17.03	105	20	-								
	25 - 173	14.33	88	17	-								
	28 - 192	12.87	79	15	-								
	32 - 223	11.08	68	13	-	FA 37	VU/VZ	11	DT	80K6	47	275	
	34 - 237	10.42	64	12	-	FAF 37	VU/VZ	11	DT	80K6	49	274	
	40 - 276	8.97	55	10	-	F 37	VU/VZ	11	DT	80K6	46	-	
	45 - 309	8.01	49	9.3	-	FF 37	VU/VZ	11	DT	80K6	48	274	
	53 - 367	6.74	41	7.8	-								
	59 - 409	6.05	37	7.0	-								
	69 - 475	5.21	32	6.0	-								
	73 - 505	4.90	30	5.7	-								
	85 - 587	4.22	26	4.9	-								
	95 - 657	3.77	23	4.4	-								
0.55 / 0.45	1.6 - 11	225.79	1390	390	-	FA 77	VU/VZ	11	DT	80N6	90	283	
	1.8 - 12	198.31	1220	345	-	FAF 77	VU/VZ	11	DT	80N6	100	282	
	1.9 - 13	188.40	1160	325	-	F 77	VU/VZ	11	DT	80N6	87	-	
	2.1 - 15	166.47	1020	290	-	FF 77	VU/VZ	11	DT	80N6	93	282	



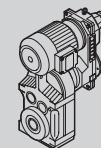
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0.55 / 0.45	1.8 - 13	195.39	820	340	-	FA	67	VU/VZ	11	DT	80N6	64	281
	2.1 - 14	170.85	820	295	-	FAF	67	VU/VZ	11	DT	80N6	71	280
	2.2 - 15	162.31	820	280	-	F	67	VU/VZ	11	DT	80N6	62	-
	2.5 - 17	142.40	820	245	-	FF	67	VU/VZ	11	DT	80N6	68	280
	3.0 - 20	120.79	740	210	-								
	2.3 - 16	157.09	600	275	-								
	2.6 - 18	136.16	600	235	-								
	2.8 - 19	127.27	600	220	-	FA	57	VU/VZ	11	DT	80N6	58	279
	3.2 - 23	110.01	600	191	-	FAF	57	VU/VZ	11	DT	80N6	64	278
	3.8 - 26	93.47	575	162	-	F	57	VU/VZ	11	DT	80N6	58	-
	4.3 - 30	83.46	515	145	-	FF	57	VU/VZ	11	DT	80N6	63	278
	4.9 - 34	72.98	450	127	-								
	5.2 - 36	68.22	420	119	-								
	2.4 - 16	150.06	400	260	-								
	2.8 - 19	130.07	400	225	-								
	2.9 - 20	121.57	400	210	-	FA	47	VU/VZ	11	DT	80N6	53	277
	3.4 - 24	105.09	400	183	-	FAF	47	VU/VZ	11	DT	80N6	56	276
	4.0 - 28	89.29	400	155	-	F	47	VU/VZ	11	DT	80N6	52	-
	4.5 - 31	79.72	400	138	-	FF	47	VU/VZ	11	DT	80N6	55	276
	5.2 - 36	68.09	400	118	-								
	5.5 - 38	65.36	400	114	-								
	6.3 - 44	56.49	345	98	-								
	3.6 - 25	100.36	200	174	-								
	4.1 - 29	86.53	200	150	-								
	4.4 - 31	80.65	200	140	-								
	5.1 - 35	70.50	200	122	-								
	5.4 - 37	66.09	200	115	-								
	6.1 - 42	58.32	200	101	-	FA	37	VU/VZ	11	DT	80N6	48	275
	6.6 - 45	54.54	200	95	-	FAF	37	VU/VZ	11	DT	80N6	50	274
	6.9 - 48	51.70	200	90	-	F	37	VU/VZ	11	DT	80N6	47	-
	7.6 - 53	47.02	200	82	-	FF	37	VU/VZ	11	DT	80N6	49	274
	8.2 - 56	43.83	200	76	-								
	9.3 - 65	38.31	200	67	-								
	10 - 69	35.91	200	62	-								
	11 - 78	31.69	195	55	-								
	13 - 88	28.09	173	49	-								
	15 - 104	23.88	147	42	-								
	15 - 105	23.63	145	41	-								
	17 - 120	20.57	126	36	-								
	19 - 128	19.27	118	34	-								
	21 - 145	17.03	105	30	-								
	25 - 173	14.33	88	25	-								
	28 - 192	12.87	79	22	-								
	32 - 223	11.08	68	19	-	FA	37	VU/VZ	11	DT	80N6	48	275
	34 - 237	10.42	64	18	-	FAF	37	VU/VZ	11	DT	80N6	50	274
	40 - 276	8.97	55	16	-	F	37	VU/VZ	11	DT	80N6	47	-
	45 - 309	8.01	49	14	-	FF	37	VU/VZ	11	DT	80N6	49	274
	53 - 367	6.74	41	12	-								
	59 - 409	6.05	37	11	-								
	69 - 475	5.21	32	9.0	-								
	73 - 505	4.90	30	8.5	-								
	85 - 587	4.22	26	7.3	-								
	95 - 657	3.77	23	6.5	-								
0.75 / 0.62	1.2 - 9.5	270.68	2670	625	-	FA	87	VU/VZ	21	DT	90S6	160	285
	1.3 - 10	255.37	2520	585	-	FAF	87	VU/VZ	21	DT	90S6	175	284
	1.5 - 11	228.93	2260	525	-	F	87	VU/VZ	21	DT	90S6	150	-
	1.7 - 13	197.20	1940	455	-	FF	87	VU/VZ	21	DT	90S6	165	284
	1.9 - 14	179.97	1770	415	-								
	1.6 - 11	225.79	1390	540	-	FA	77	VU/VZ	11	DT	90S6	95	283
	1.8 - 12	198.31	1220	475	-	FAF	77	VU/VZ	11	DT	90S6	105	282
	1.9 - 13	188.40	1160	450	-	F	77	VU/VZ	11	DT	90S6	92	-
	2.1 - 15	166.47	1020	400	-	FF	77	VU/VZ	11	DT	90S6	98	282



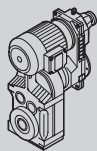
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P _m /P _{a2} [kW]	n _{a1} - n _{a2} [1/min]	i	M _{a1} [Nm]	M _{a2} [Nm]						m [kg]			
0.75 / 0.62	1.8 - 13	195.39	820	465	-	FA	67	VU/VZ	11 DT	90S6	70	281	
	2.1 - 14	170.85	820	410	-	FAF	67	VU/VZ	11 DT	90S6	76	280	
	2.2 - 15	162.31	820	390	-	F	67	VU/VZ	11 DT	90S6	67	-	
	2.5 - 17	142.40	820	340	-	FF	67	VU/VZ	11 DT	90S6	73	280	
	3.0 - 20	120.79	740	290	-								
	2.3 - 16	157.09	600	375	-								
	2.6 - 18	136.16	600	325	-								
	2.8 - 19	127.27	600	305	-	FA	57	VU/VZ	11 DT	90S6	63	279	
	3.2 - 23	110.01	600	265	-	FAF	57	VU/VZ	11 DT	90S6	69	278	
	3.8 - 26	93.47	575	225	-	F	57	VU/VZ	11 DT	90S6	63	-	
	4.3 - 30	83.46	515	200	-	FF	57	VU/VZ	11 DT	90S6	68	278	
	4.9 - 34	72.98	450	175	-								
	5.2 - 36	68.22	420	163	-								
	2.4 - 16	150.06	400	360	-								
	2.8 - 19	130.07	400	310	-								
	2.9 - 20	121.57	400	290	-								
	3.4 - 24	105.09	400	250	-								
	4.0 - 28	89.29	400	215	-								
	4.5 - 31	79.72	400	191	-	FA	47	VU/VZ	11 DT	90S6	58	277	
	5.2 - 36	68.09	400	163	-	FAF	47	VU/VZ	11 DT	90S6	61	276	
	5.5 - 38	65.36	400	156	-	F	47	VU/VZ	11 DT	90S6	57	-	
	6.3 - 44	56.49	345	135	-	FF	47	VU/VZ	11 DT	90S6	60	276	
	7.5 - 52	48.00*	295	115	-								
	8.3 - 58	42.86	265	103	-								
	9.8 - 68	36.61	225	88	-								
	10 - 72	34.29	210	82	-								
	12 - 86	28.88	177	69	-								
	4.4 - 31	80.65	200	193	-								
	5.1 - 35	70.50	200	169	-								
	5.4 - 37	66.09	200	158	-								
	6.1 - 42	58.32	200	140	-								
	6.6 - 45	54.54	200	131	-	FA	37	VU/VZ	11 DT	90S6	53	275	
	6.9 - 48	51.70	200	124	-	FAF	37	VU/VZ	11 DT	90S6	55	274	
	7.6 - 53	47.02	200	113	-	F	37	VU/VZ	11 DT	90S6	53	-	
	8.2 - 56	43.83	200	105	-	FF	37	VU/VZ	11 DT	90S6	54	274	
	9.3 - 65	38.31	200	92	-								
	10 - 69	35.91	200	86	-								
	11 - 78	31.69	195	76	-								
	13 - 88	28.09	173	67	-								
	15 - 104	23.88	147	57	-								
	15 - 105	23.63	145	57	-								
	17 - 120	20.57	126	49	-								
	19 - 128	19.27	118	46	-								
	21 - 145	17.03	105	41	-								
	25 - 173	14.33	88	34	-								
	28 - 192	12.87	79	31	-								
	32 - 223	11.08	68	27	-	FA	37	VU/VZ	11 DT	90S6	53	275	
	34 - 237	10.42	64	25	-	FAF	37	VU/VZ	11 DT	90S6	55	274	
	40 - 276	8.97	55	22	-	F	37	VU/VZ	11 DT	90S6	52	-	
	45 - 309	8.01	49	19	-	FF	37	VU/VZ	11 DT	90S6	54	274	
	53 - 367	6.74	41	16	-								
	59 - 409	6.05	37	15	-								
	69 - 475	5.21	32	13	-								
	73 - 505	4.90	30	12	-								
	85 - 587	4.22	26	10	-								
	95 - 657	3.77	23	9.0	-								
	1.3 - 9.7	270.68	2660	880	-	FA	87	VU/VZ	21 DT	90L6	160	285	
1.1 / 0.90	1.3 - 10	255.37	2510	830	-	FAF	87	VU/VZ	21 DT	90L6	175	284	
	1.5 - 11	228.93	2250	750	-	F	87	VU/VZ	21 DT	90L6	155	-	
	1.7 - 13	197.20	1940	645	-	FF	87	VU/VZ	21 DT	90L6	165	284	
	1.9 - 15	179.97	1770	590	-								
	1.6 - 11	225.79	1380	765	-	FA	77	VU/VZ	11 DT	90L6	97	283	
	1.8 - 13	198.31	1210	675	-	FAF	77	VU/VZ	11 DT	90L6	110	282	
	1.9 - 13	188.40	1150	640	-	F	77	VU/VZ	11 DT	90L6	94	-	
	2.2 - 15	166.47	1020	565	-	FF	77	VU/VZ	11 DT	90L6	100	282	

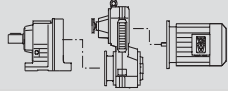


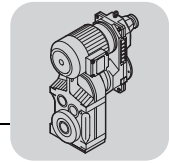
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P _m /P _{a2} [kW]	n _{a1} - n _{a2} [1/min]	i	M _{a1} [Nm]	M _{a2} [Nm]							m [kg]		
1.1 / 0.90	1.8 - 13	195.39	820	665	-	FA 67	VU/VZ	11	DT	90L6	72	281	
	2.1 - 15	170.85	820	580	-	FAF 67	VU/VZ	11	DT	90L6	78	280	
	2.2 - 16	162.31	820	550	-	F 67	VU/VZ	11	DT	90L6	69	-	
	2.5 - 18	142.40	820	485	-	FF 67	VU/VZ	11	DT	90L6	75	280	
	3.0 - 21	120.79	740	410	-								
	2.3 - 16	157.09	600	535	-								
	2.6 - 19	136.16	600	465	-								
	2.8 - 20	127.27	600	430	-	FA 57	VU/VZ	11	DT	90L6	65	279	
	3.3 - 23	110.01	600	375	-	FAF 57	VU/VZ	11	DT	90L6	71	278	
	3.8 - 27	93.47	570	320	-	F 57	VU/VZ	11	DT	90L6	65	-	
	4.3 - 30	83.46	510	285	-	FF 57	VU/VZ	11	DT	90L6	70	278	
	4.9 - 35	72.98	445	250	-								
	5.3 - 37	68.22	420	230	-								
	3.4 - 24	105.09	400	355	-								
	4.0 - 28	89.29	400	305	-								
	4.5 - 32	79.72	400	270	-	FA 47	VU/VZ	11	DT	90L6	60	277	
	5.3 - 37	68.09	400	230	-	FAF 47	VU/VZ	11	DT	90L6	63	276	
	5.5 - 39	65.36	400	220	-	F 47	VU/VZ	11	DT	90L6	59	-	
	6.4 - 45	56.49	345	192	-	FF 47	VU/VZ	11	DT	90L6	62	276	
	7.5 - 53	48.00*	295	163	-								
	6.2 - 43	58.32	200	198	-								
	6.6 - 46	54.54	200	185	-								
	6.9 - 49	51.70	200	176	-								
	7.6 - 54	47.02	200	160	-	FA 37	VU/VZ	11	DT	90L6	55	275	
	8.2 - 58	43.83	200	149	-	FAF 37	VU/VZ	11	DT	90L6	57	274	
	9.4 - 66	38.31	200	130	-	F 37	VU/VZ	11	DT	90L6	55	-	
	10 - 70	35.91	200	122	-	FF 37	VU/VZ	11	DT	90L6	56	274	
	11 - 80	31.69	194	108	-								
	13 - 90	28.09	172	95	-								
	15 - 106	23.88	146	81	-								
	15 - 107	23.63	145	80	-								
	17 - 123	20.57	126	70	-								
	19 - 131	19.27	118	66	-								
	21 - 149	17.03	104	58	-								
	25 - 177	14.33	88	49	-								
	28 - 197	12.87	79	44	-								
	32 - 228	11.08	68	38	-	FA 37	VU/VZ	11	DT	90L6	55	275	
	34 - 243	10.42	64	35	-	FAF 37	VU/VZ	11	DT	90L6	57	274	
	40 - 282	8.97	55	31	-	F 37	VU/VZ	11	DT	90L6	54	-	
	45 - 316	8.01	49	27	-	FF 37	VU/VZ	11	DT	90L6	56	274	
	53 - 375	6.74	41	23	-								
	59 - 418	6.05	37	21	-								
	69 - 485	5.21	32	18	-								
	73 - 516	4.90	30	17	-								
	85 - 600	4.22	26	14	-								
	95 - 671	3.77	23	13	-								
1.5 / 1.2	1.3 - 9.7	270.68	3000	1210	-	FA 87	VU/VZ	21	DV	100M6	165	285	
	1.3 - 10	255.37	3000	1140	-	FAF 87	VU/VZ	21	DV	100M6	180	284	
	1.5 - 11	228.93	2960	1020	-	F 87	VU/VZ	21	DV	100M6	160	-	
	1.7 - 13	197.20	2550	880	-	FF 87	VU/VZ	21	DV	100M6	175	284	
	1.7 - 13	198.31	1500	890	-	FA 77	VU/VZ	21	DV	100M6	125	283	
	1.8 - 14	188.40	1500	840	-	FAF 77	VU/VZ	21	DV	100M6	135	282	
	2.0 - 16	166.47	1500	745	-	F 77	VU/VZ	21	DV	100M6	120	-	
	2.4 - 18	142.27	1500	635	-	FF 77	VU/VZ	21	DV	100M6	125	282	

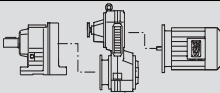


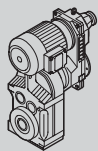
R = 1:7... R = 1:8											
P_m/P_{a2} [kW]	n_{a1}	-	n_{a2}	i	M_{a1}	M_{a2}					m
					[Nm]						[kg]
1.5 / 1.2	2.0	-	15	170.85	820	765	-				
	2.1	-	16	162.31	820	725	-				
	2.4	-	18	142.40	820	635	-				
	2.8	-	22	120.79	820	540	-				
	3.1	-	24	109.04	820	485	-	FA 67	VU/VZ 21	DV 100M6	99 281
	3.6	-	27	95.94	820	430	-	FAF 67	VU/VZ 21	DV 100M6	105 280
	3.8	-	29	90.59	820	405	-	F 67	VU/VZ 21	DV 100M6	97 -
	4.3	-	33	79.76	820	355	-	FF 67	VU/VZ 21	DV 100M6	105 280
	5.0	-	39	67.65	820	300	-				
	5.6	-	43	61.07	790	275	-				
	6.3	-	49	53.73	695	240	-				
	6.7	-	52	50.74	655	225	-				
	2.7	-	21	127.27	600	570	-				
	3.1	-	24	110.01	600	490	-				
	3.6	-	28	93.47	600	415	-				
	4.1	-	32	83.46	600	375	-				
	4.7	-	36	72.98	600	325	-	FA 57	VU/VZ 21	DV 100M6	93 279
	5.0	-	39	68.22	600	305	-	FAF 57	VU/VZ 21	DV 100M6	99 278
	5.8	-	45	58.97	600	265	-	F 57	VU/VZ 21	DV 100M6	93 -
	6.8	-	53	50.10	600	225	-	FF 57	VU/VZ 21	DV 100M6	98 278
	7.6	-	59	44.73	580	200	-				
	8.9	-	69	38.21	495	171	-				
	9.5	-	74	35.79	460	160	-				
	11	-	87	30.15	390	135	-				
	11	-	88	29.94	385	134	-				
	12	-	92	28.45	365	127	-				
	14	-	105	24.96	320	111	-				
	16	-	124	21.17	275	95	-				
	18	-	138	19.11	245	85	-				
	20	-	157	16.81	215	75	-				
	21	-	166	15.88	205	71	-	FA 57	VU/VZ 21	DV 100M6	92 279
	25	-	195	13.52	175	60	-	FAF 57	VU/VZ 21	DV 100M6	99 278
	28	-	214	12.29	159	55	-	F 57	VU/VZ 21	DV 100M6	92 -
	32	-	247	10.64	137	48	-	FF 57	VU/VZ 21	DV 100M6	98 278
	37	-	283	9.31	120	42	-				
	42	-	321	8.19	106	37	-				
	44	-	340	7.73	100	35	-				
	52	-	400	6.58	85	29	-				
	57	-	440	5.98	77	27	-				
	66	-	508	5.18	67	23	-				
2.2 / 1.8	1.2	-	9.7	276.77	4300	1770	-	FA 97	VU/VZ 31	DV 112M6	270 287
	1.4	-	11	253.41	4300	1620	-	FAF 97	VU/VZ 31	DV 112M6	305 286
	1.5	-	12	223.88	4300	1430	-	F 97	VU/VZ 31	DV 112M6	265 -
	1.8	-	14	189.92	4300	1210	-	FF 97	VU/VZ 31	DV 112M6	285 286
	1.9	-	15	174.87	4060	1120	-				
	2.2	-	17	156.30	3630	1000	-				
	1.7	-	14	197.20	3000	1260	-	FA 87	VU/VZ 31	DV 112M6	205 285
	1.9	-	15	179.97	3000	1150	-	FAF 87	VU/VZ 31	DV 112M6	220 284
	2.1	-	17	159.61	3000	1020	-	F 87	VU/VZ 31	DV 112M6	200 -
	2.5	-	20	134.16	3000	860	-	FF 87	VU/VZ 31	DV 112M6	210 284
	2.4	-	19	142.27	1500	910	-				
	2.6	-	21	130.42	1500	830	-				
	3.0	-	23	114.45	1500	730	-				
	3.1	-	25	108.46*	1500	695	-	FA 77	VU/VZ 31	DV 112M6	160 283
	3.6	-	28	94.93	1500	605	-	FAF 77	VU/VZ 31	DV 112M6	170 282
	4.0	-	31	85.52	1500	545	-	F 77	VU/VZ 31	DV 112M6	160 -
	4.5	-	36	75.02	1500	480	-	FF 77	VU/VZ 31	DV 112M6	165 282
	4.7	-	37	72.50	1500	465	-				
	5.1	-	40	66.46	1500	425	-				
	5.9	-	46	58.32	1350	375	-				



R = 1:7... R = 1:8													
P _m /P _{a2} [kW]	n _{a1} - n _{a2} [1/min]	i	M _{a1} [Nm]	M _{a2} [Nm]								m [kg]	
2.2 / 1.8	2.8 - 22	120.79	820	770	-								
	3.1 - 25	109.04	820	695	-								
	3.6 - 28	95.94	820	615	-								
	3.8 - 30	90.59	820	580	-								
	5.0 - 40	67.65	820	435	-	FA 67	VU/VZ 31	DV 112M6	140	281			
	5.6 - 44	61.07	820	390	-	FAF 67	VU/VZ 31	DV 112M6	145	280			
	6.4 - 50	53.73	820	345	-	F 67	VU/VZ 31	DV 112M6	135	-			
	6.7 - 53	50.74	820	325	-	FF 67	VU/VZ 31	DV 112M6	140	280			
	7.9 - 62	43.20	820	275	-								
	8.7 - 68	39.26	780	250	-								
	10 - 79	34.01	740	220	-								
	12 - 98	27.41	635	175	-	FA 67	VU/VZ 31	DV 112M6	135	281			
	14 - 107	25.13	585	161	-	FAF 67	VU/VZ 31	DV 112M6	145	280			
	15 - 122	22.05	510	141	-	F 67	VU/VZ 31	DV 112M6	135	-			
	16 - 129	20.90*	485	134	-	FF 67	VU/VZ 31	DV 112M6	140	280			
	3.6 - 29	93.47	600	600	-								
	4.1 - 32	83.46	600	535	-								
	6.8 - 54	50.10	600	320	-	FA 57	VU/VZ 31	DV 112M6	130	279			
	7.6 - 60	44.73	600	285	-	FAF 57	VU/VZ 31	DV 112M6	140	278			
	8.9 - 70	38.21	600	245	-	F 57	VU/VZ 31	DV 112M6	130	-			
	9.5 - 75	35.79	600	230	-	FF 57	VU/VZ 31	DV 112M6	135	278			
	11 - 89	30.15	590	193	-								
	16 - 127	21.17	490	135	-								
	18 - 141	19.11	445	122	-								
	20 - 160	16.81	390	108	-								
	22 - 169	15.88	370	102	-								
	25 - 199	13.52	315	86	-								
	28 - 219	12.29	285	79	-	FA 57	VU/VZ 31	DV 112M6	130	279			
	32 - 253	10.64	245	68	-	FAF 57	VU/VZ 31	DV 112M6	140	278			
	37 - 289	9.31	215	60	-	F 57	VU/VZ 31	DV 112M6	130	-			
	42 - 328	8.19	190	52	-	FF 57	VU/VZ 31	DV 112M6	135	278			
	44 - 348	7.73	180	49	-								
	52 - 409	6.58	153	42	-								
	57 - 450	5.98	139	38	-								
	66 - 519	5.18	120	33	-								
3.0 / 2.5	1.2 - 9.7	276.77	4300	2410	-	FA 97	VU/VZ 31	DV 132S6	275	287			
	1.4 - 11	253.41	4300	2210	-	FAF 97	VU/VZ 31	DV 132S6	310	286			
	1.5 - 12	223.88	4300	1950	-	F 97	VU/VZ 31	DV 132S6	270	-			
	1.8 - 14	189.92	4300	1650	-	FF 97	VU/VZ 31	DV 132S6	290	286			
	1.9 - 15	174.87	4060	1520	-								
	1.7 - 14	197.20	3000	1720	-	FA 87	VU/VZ 31	DV 132S6	210	285			
	1.9 - 15	179.97	3000	1570	-	FAF 87	VU/VZ 31	DV 132S6	225	284			
	2.1 - 17	159.61	3000	1390	-	F 87	VU/VZ 31	DV 132S6	205	-			
	2.5 - 20	134.16	3000	1170	-	FF 87	VU/VZ 31	DV 132S6	215	284			
	2.4 - 19	142.27	1500	1240	-								
	2.6 - 21	130.42	1500	1140	-								
	3.0 - 23	114.45	1500	1000	-								
	3.1 - 25	108.46*	1500	940	-	FA 77	VU/VZ 31	DV 132S6	170	283			
	3.6 - 28	94.93	1500	830	-	FAF 77	VU/VZ 31	DV 132S6	180	282			
	4.0 - 31	85.52	1500	745	-	F 77	VU/VZ 31	DV 132S6	165	-			
	4.5 - 36	75.02	1500	655	-	FF 77	VU/VZ 31	DV 132S6	170	282			
	4.7 - 37	72.50	1500	630	-								
	5.1 - 40	66.46	1500	580	-								
	5.9 - 46	58.32	1350	510	-								
	3.8 - 30	90.59	820	790	-								
	5.0 - 40	67.65	820	590	-								
	5.6 - 44	61.07	820	530	-	FA 67	VU/VZ 31	DV 132S6	145	281			
	6.4 - 50	53.73	820	470	-	FAF 67	VU/VZ 31	DV 132S6	150	280			
	6.7 - 53	50.74	820	440	-	F 67	VU/VZ 31	DV 132S6	140	-			
	7.9 - 62	43.20	820	375	-	FF 67	VU/VZ 31	DV 132S6	150	280			
	8.7 - 68	39.26	780	340	-								
	10 - 79	34.01	740	295	-								



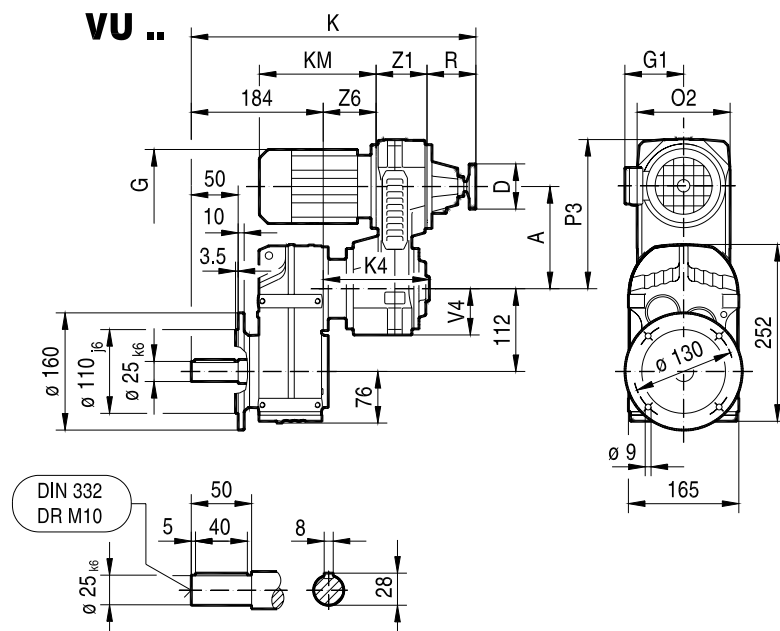
R = 1:7... R = 1:8															
P _m /P _{a2} [kW]	n _{a1} [1/min]	-	n _{a2}	i	M _{a1} [Nm]	M _{a2}								m [kg]	
3.0 / 2.5	12	-	98	27.41	635	240	-	FA 67	VU/VZ 31	DV 132S6	145	281			
	14	-	107	25.13	585	220	-	FAF 67	VU/VZ 31	DV 132S6	150	280			
	15	-	122	22.05	510	192	-	F 67	VU/VZ 31	DV 132S6	140	-			
	16	-	129	20.90*	485	182	-	FF 67	VU/VZ 31	DV 132S6	145	280			
	6.8	-	54	50.10	600	435	-	FA 57	VU/VZ 31	DV 132S6	140	279			
	7.6	-	60	44.73	600	390	-	FAF 57	VU/VZ 31	DV 132S6	145	278			
	8.9	-	70	38.21	600	335	-	F 57	VU/VZ 31	DV 132S6	140	-			
	9.5	-	75	35.79	600	310	-	FF 57	VU/VZ 31	DV 132S6	145	278			
	11	-	89	30.15	590	260	-								
	16	-	127	21.17	490	184	-								
	18	-	141	19.11	445	166	-								
	20	-	160	16.81	390	146	-								
	22	-	169	15.88	370	138	-								
	25	-	199	13.52	315	118	-								
	28	-	219	12.29	285	107	-	FA 57	VU/VZ 31	DV 132S6	135	279			
	32	-	253	10.64	245	93	-	FAF 57	VU/VZ 31	DV 132S6	145	278			
	37	-	289	9.31	215	81	-	F 57	VU/VZ 31	DV 132S6	135	-			
	42	-	328	8.19	190	71	-	FF 57	VU/VZ 31	DV 132S6	145	278			
	44	-	348	7.73	180	67	-								
	52	-	409	6.58	153	57	-								
	57	-	450	5.98	139	52	-								
	66	-	519	5.18	120	45	-								



10.3 F..VU/VZ..DR/DT/DV.. [mm]

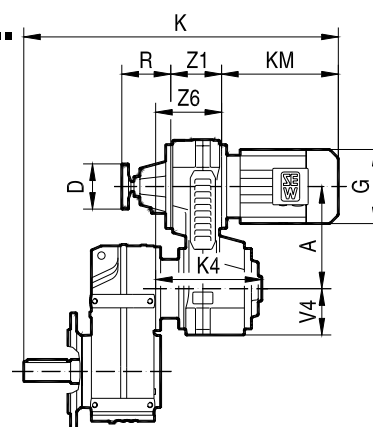
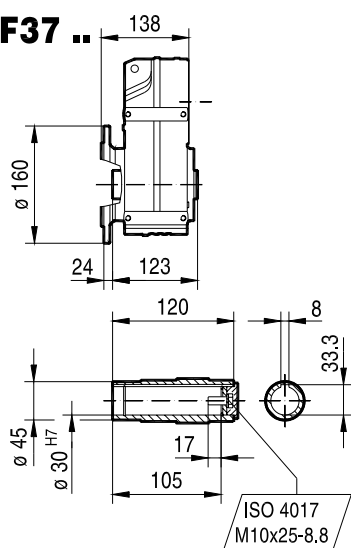
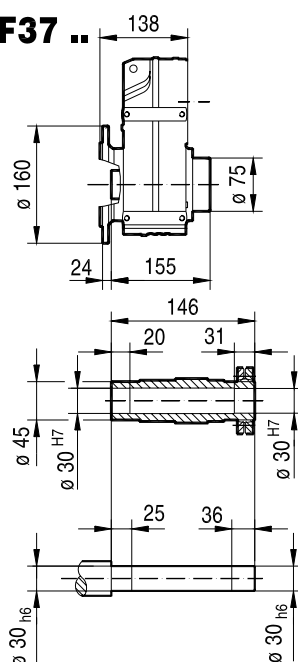
FF37..

VU ■■

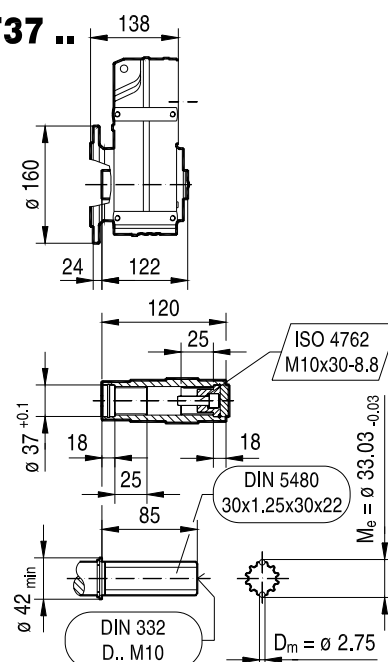


14 055 001

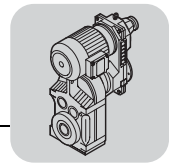
VZ ■■

**FAF37 ..****FHF37 ..**

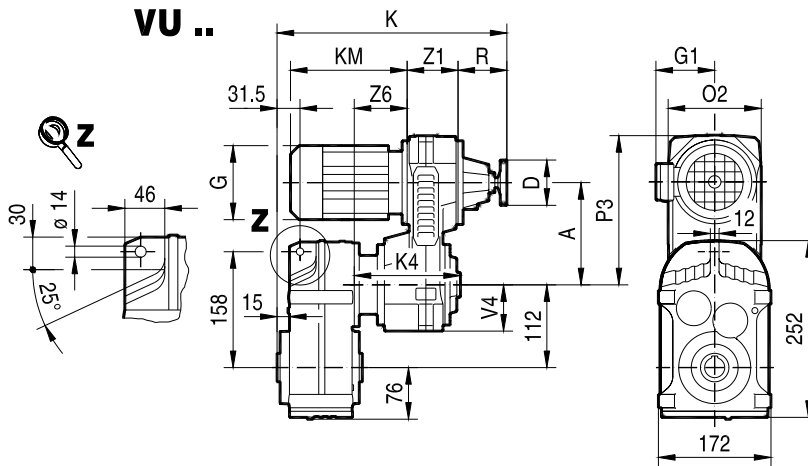
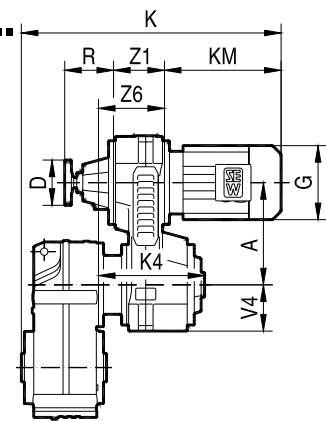
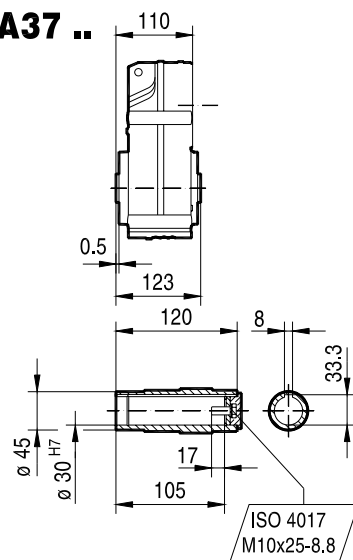
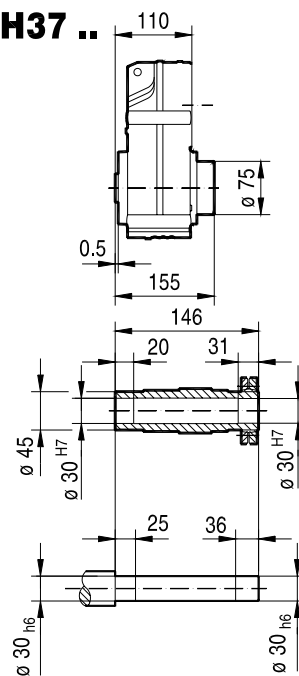
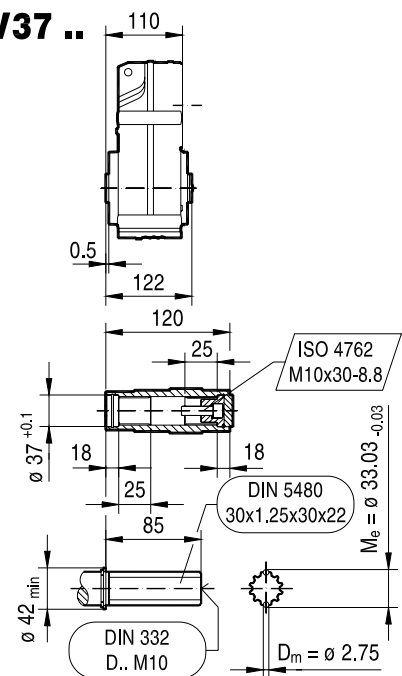
FVF37 ..



(→  151)			A	D	G	G1	K		KM	K4	O2	P3	R	V4	Z1	Z6	
FF37 FAF37 FHF37 FVF37	VU01 VZ01	DR63..	182	80	132	105	476	492	187	213	176	269	98	72	80	114	121
		DT71D	182	80	145	122	476	507	202	213	176	269	98	72	80	114	121
		DT80..	182	80	145	122	476	557	252	213	176	269	98	72	80	114	121
	VU11 VZ11	DT80..	232	100	145	122	521	586	252	238	183	322	117	88	98	122	150
		DT90..	232	100	197	154	521	607	273	238	183	322	117	88	98	122	150

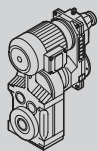
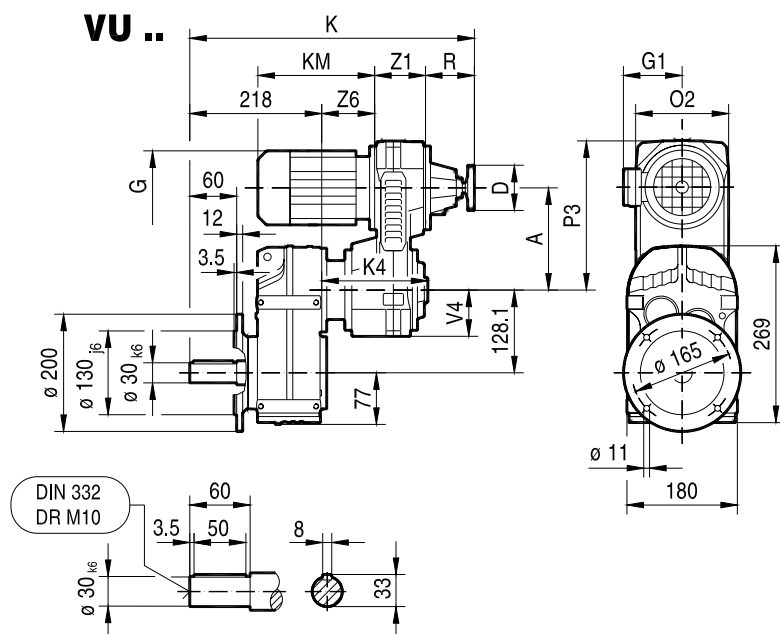


14 056 001

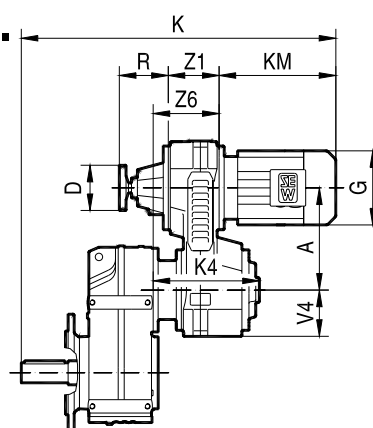
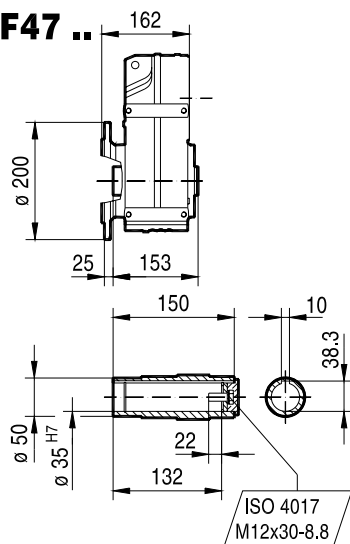
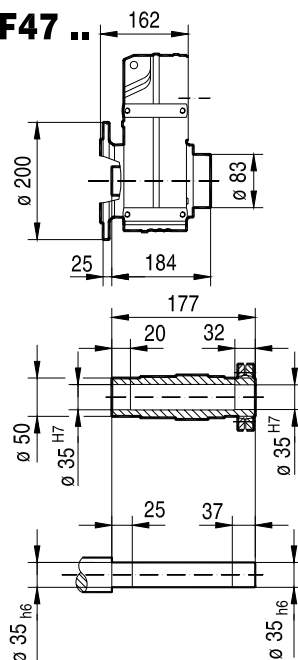
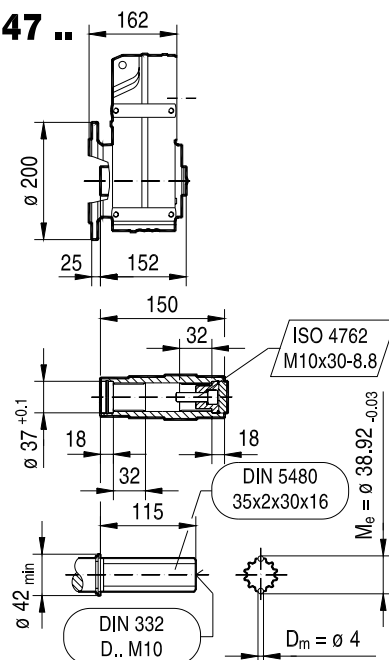
FA37 ..**VU ..****VZ ..****FA37 ..****FH37 ..****FV37 ..**

10

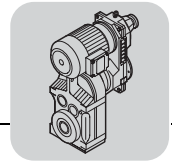
(→ 151)			A	D	G	G1	K		KM	K4	O2	P3	R	V4	Z1	Z6	
							VU	VZ								VU	VZ
FA37 FH37 FV37	VU01 VZ01	DR63..	182	80	132	105	402	418	187	213	176	269	98	72	80	114	121
		DT71D	182	80	145	122	402	433	202	213	176	269	98	72	80	114	121
		DT80..	182	80	145	122	402	483	252	213	176	269	98	72	80	114	121
	VU11 VZ11	DT80..	232	100	145	122	447	512	252	238	183	322	117	88	98	122	150
		DT90..	232	100	197	154	447	533	273	238	183	322	117	88	98	122	150

**FF47..****VU ..**

14 057 001

VZ ..**FAF47 ..****FHF47 ..****FVF47 ..**

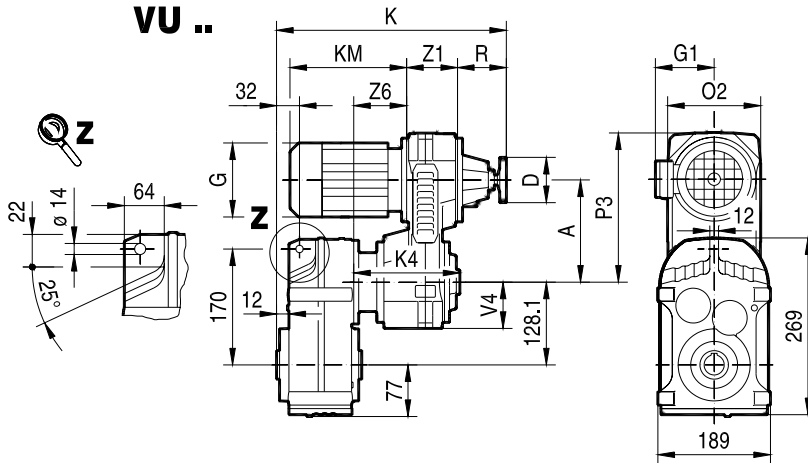
(> 151)			A	D	G	G1	K		KM	K4	O2	P3	R	V4	Z1	Z6	
							VU	VZ								VU	VZ
FF47 FAF47 FHF47 FVF47	VU01 VZ01	DR63..	182	80	132	105	510	526	187	213	176	269	98	72	80	114	121
		DT71D	182	80	145	122	510	541	202	213	176	269	98	72	80	114	121
		DT80..	182	80	145	122	510	591	252	213	176	269	98	72	80	114	121
	VU11 VZ11	DT80..	232	100	145	122	555	620	252	238	183	322	117	88	98	122	150
		DT90..	232	100	197	154	555	641	273	238	183	322	117	88	98	122	150



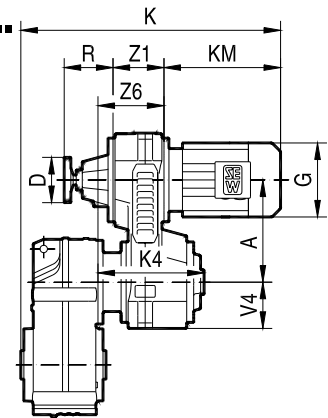
14 058 001

FA47 ..

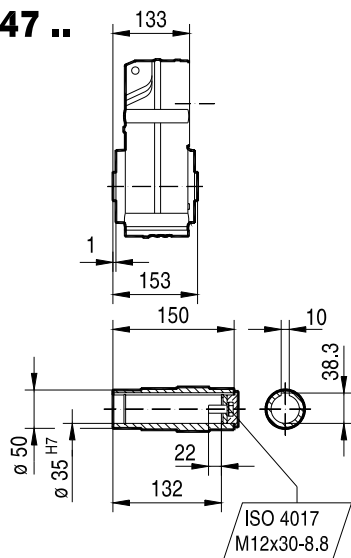
VU ■■



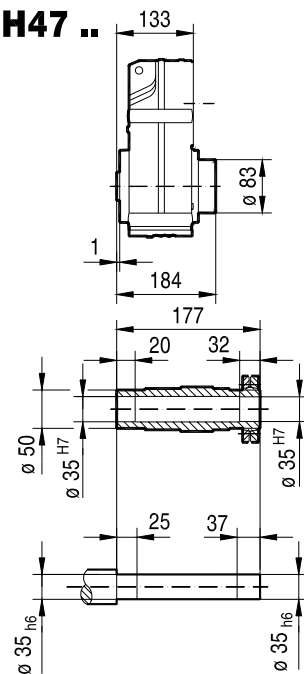
VZ ..



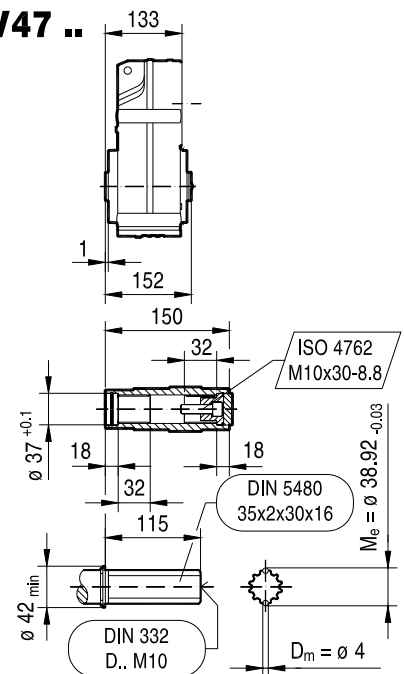
FA47 ..



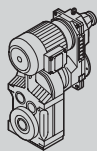
FH47 ..



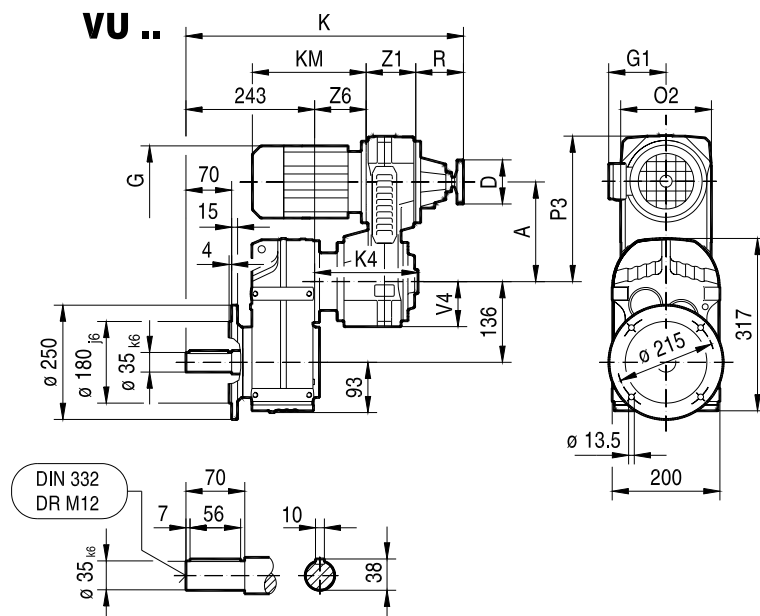
FV47 ..



(→ 📖 151)			A	D	G	G1	K		KM	K4	O2	P3	R	V4	Z1	Z6	
			VU	VZ													VU
FA47 FH47 FV47	VU01 VZ01	DR63..	182	80	132	105	425	441	187	213	176	269	98	72	80	114	121
		DT71D	182	80	145	122	425	456	202	213	176	269	98	72	80	114	121
		DT80..	182	80	145	122	425	506	252	213	176	269	98	72	80	114	121
	VU11 VZ11	DT80..	232	100	145	122	470	535	252	238	183	322	117	88	98	122	150
		DT90..	232	100	197	154	470	556	273	238	183	322	117	88	98	122	150

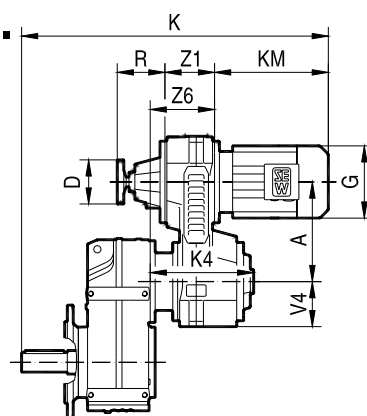
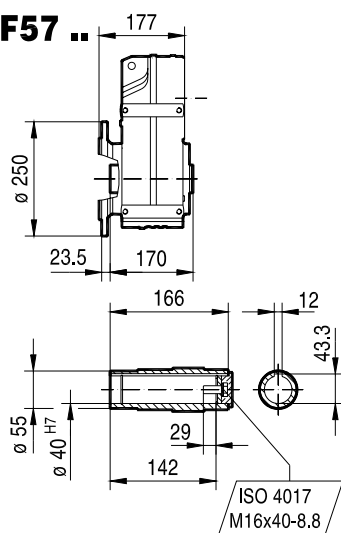
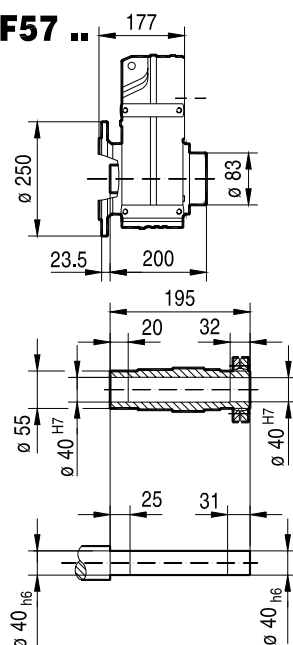
**FF57..**

VU

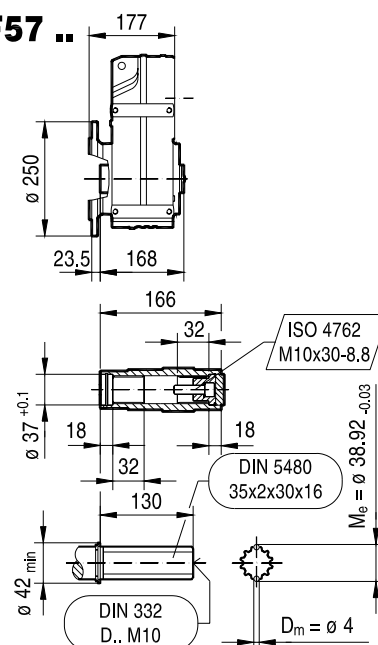


14 059 001

VZ ..

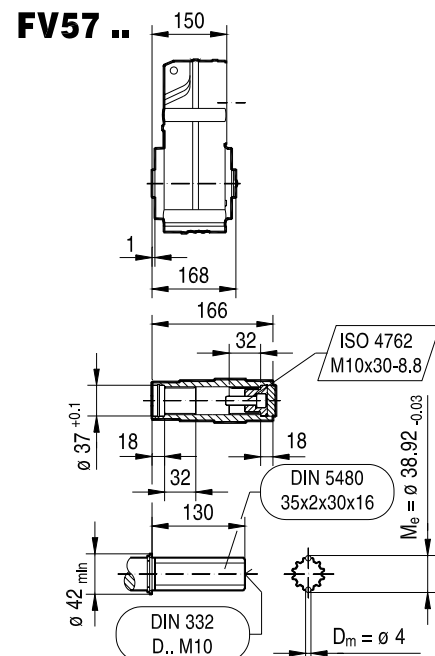
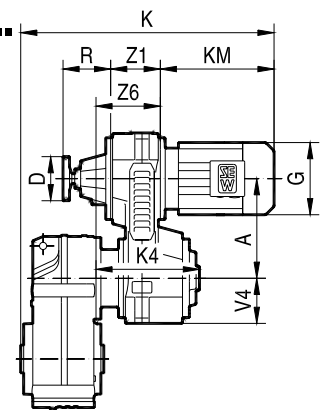
**FAF57 „****FHF57 „**

FVF57 „

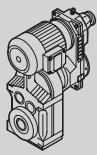
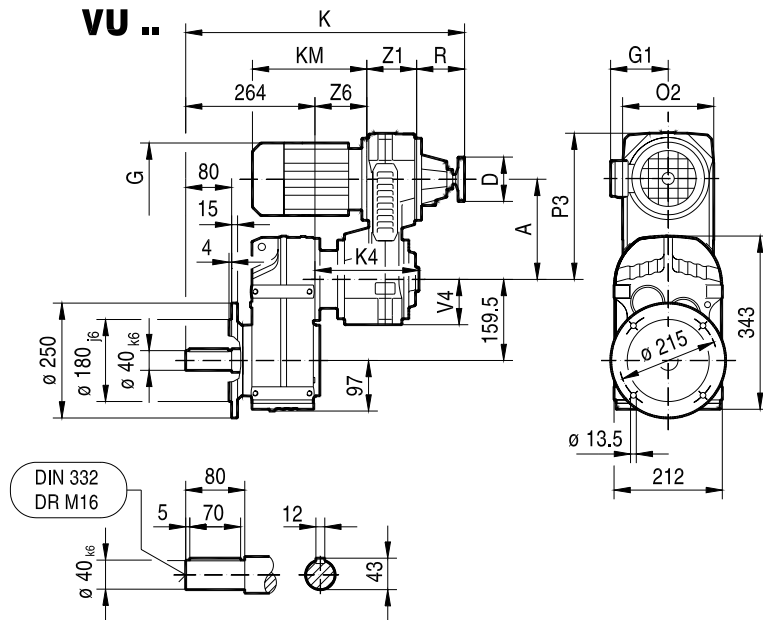


(→  151)			A	D	G	G1	K		KM	K4	O2	P3	R	V4	Z1	Z6	
							VU	VZ								VU	VZ
FF57 FAF57 FHF57 FVF57	VU01 VZ01	DR63..	182	80	132	105	528	544	187	206	176	269	98	72	80	107	114
		DT71D	182	80	145	122	528	559	202	206	176	269	98	72	80	107	114
		DT80..	182	80	145	122	528	609	252	206	176	269	98	72	80	107	114
	VU11 VZ11	DT80..	232	100	145	122	573	638	252	232	183	322	117	88	98	115	143
		DT90..	232	100	197	154	573	659	273	232	183	322	117	88	98	115	143
	VU21 VZ21	DT90..	245	100	197	154	640	693	273	279	227	357	130	110	120	147	177
		DV100M	245	100	197	166	640	731	311	279	227	357	130	110	120	147	177
		DV100L	245	100	197	166	640	761	341	279	227	357	130	110	120	147	177
	VU31 VZ31	DV112M	305	125	221	179	717	803	349	331	283	445	150	138	152	172	211
		DV132S	305	125	221	179	717	848	394	331	283	445	150	138	152	172	211

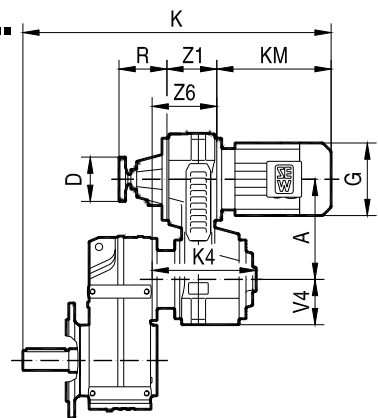
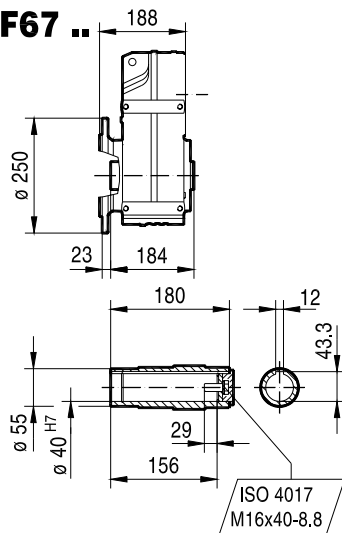
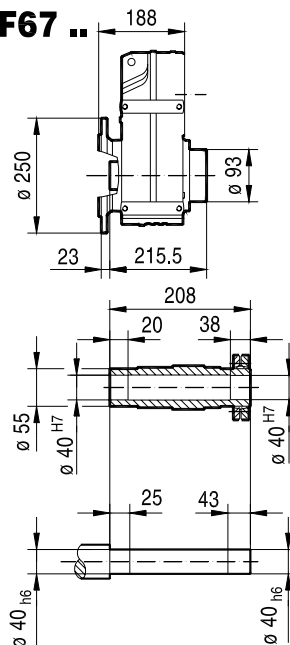
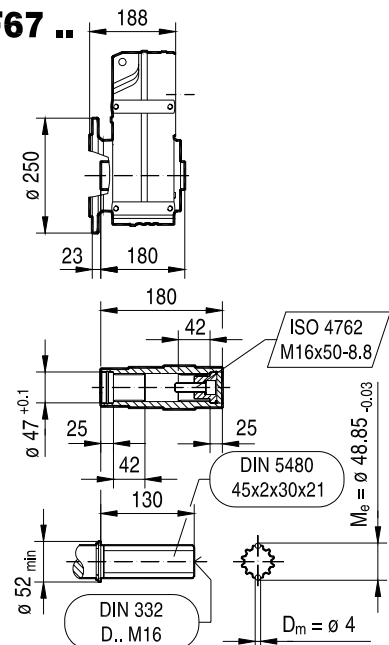
VZ ..



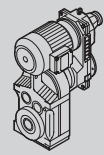
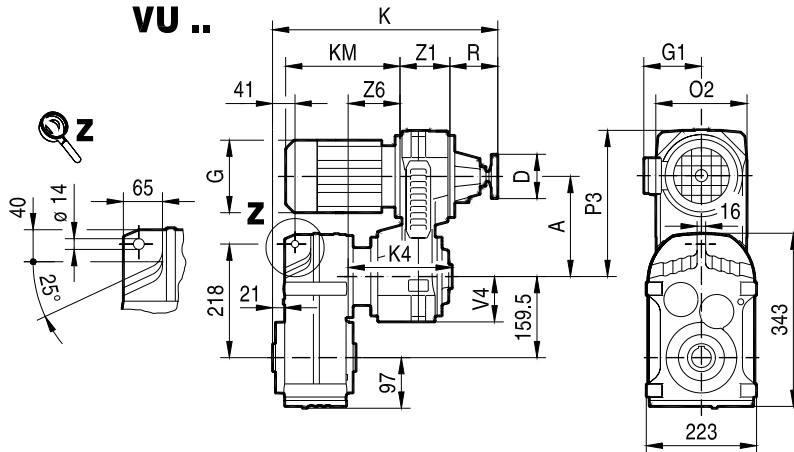
SEW
EURODRIVE

**FF67..****VU ..**

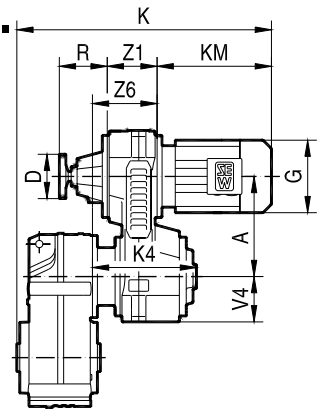
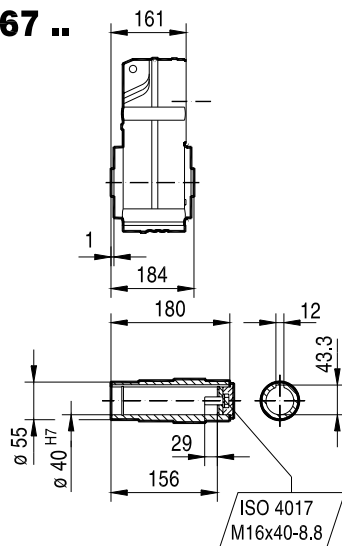
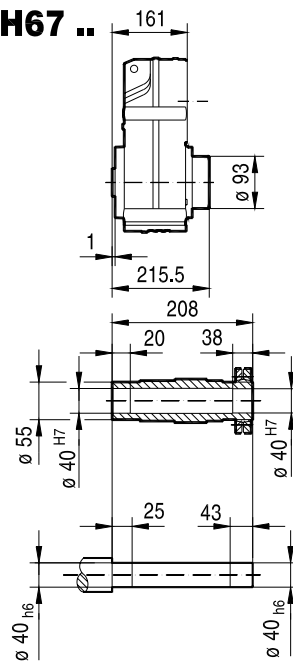
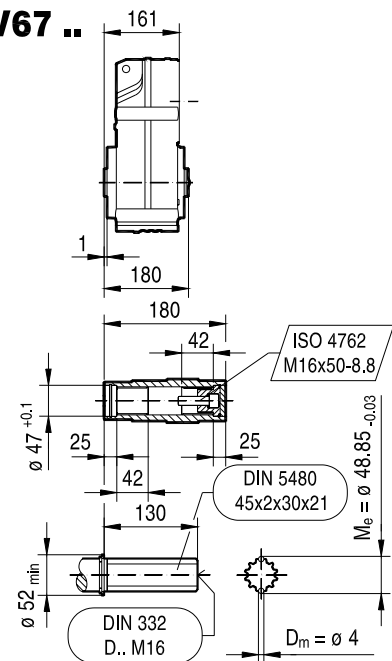
14 061 001

VZ ..**FAF67 ..****FHF67 ..****FVF67 ..**

(> 151)			A	D	G	G1	K		KM	K4	O2	P3	R	V4	Z1	Z6	
							VU	VZ								VU	VZ
FF67 FAF67 FHF67 FVF67	VU01 VZ01	DR63..	182	80	132	105	549	565	187	206	176	269	98	72	80	107	114
		DT71D	182	80	145	122	549	580	202	206	176	269	98	72	80	107	114
		DT80..	182	80	145	122	549	630	252	206	176	269	98	72	80	107	114
	VU11 VZ11	DT80..	232	100	145	122	594	659	252	232	183	322	117	88	98	115	143
		DT90..	232	100	197	154	594	680	273	232	183	322	117	88	98	115	143
	VU21 VZ21	DT90..	245	100	197	154	661	714	273	279	227	357	130	110	120	147	177
		DV100M	245	100	197	166	661	752	311	279	227	357	130	110	120	147	177
		DV100L	245	100	197	166	661	782	341	279	227	357	130	110	120	147	177
	VU31 VZ31	DV112M	305	125	221	179	738	824	349	331	283	445	150	138	152	172	211
		DV132S	305	125	221	179	738	869	394	331	283	445	150	138	152	172	211

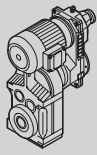
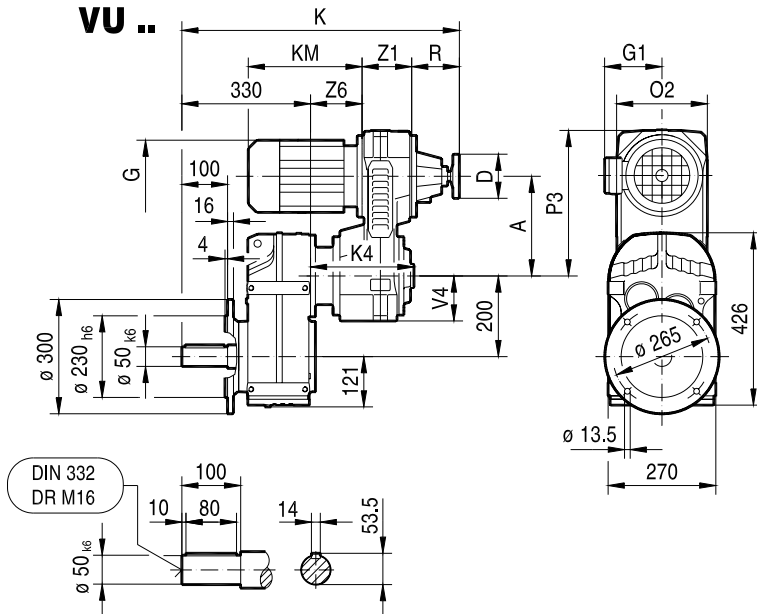
**FA67 ..****VU ..**

14 062 001

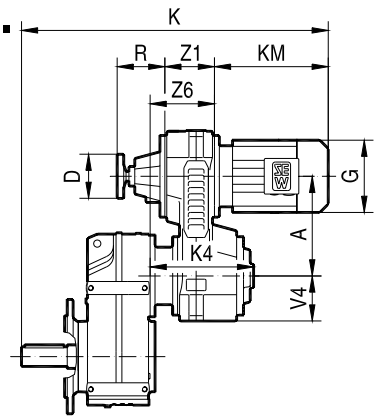
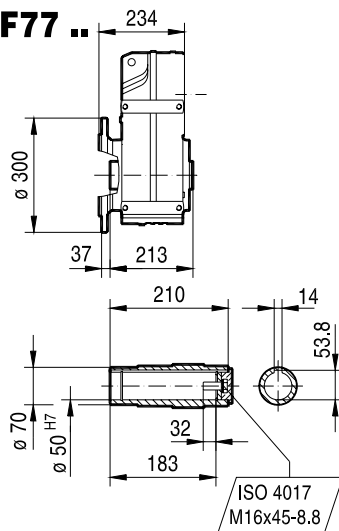
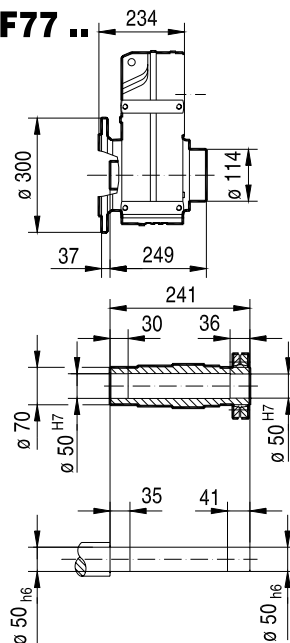
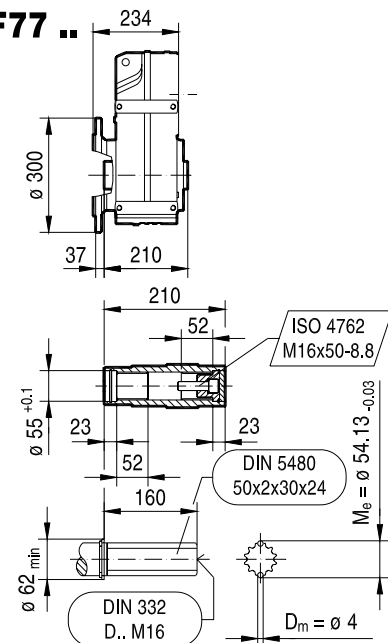
VZ ..**FA67 ..****FH67 ..****FV67 ..**

10

(> 151)			A	D	G	G1	K		KM	K4	O2	P3	R	V4	Z1	Z6	
FA67 FH67 FV67	VU01 VZ01	DR63..	182	80	132	105	446	462	187	206	176	269	98	72	80	107	114
		DT71D	182	80	145	122	446	477	202	206	176	269	98	72	80	107	114
		DT80..	182	80	145	122	446	527	252	206	176	269	98	72	80	107	114
	VU11 VZ11	DT80..	232	100	145	122	491	556	252	232	183	322	117	88	98	115	143
		DT90..	232	100	197	154	491	577	273	232	183	322	117	88	98	115	143
	VU21 VZ21	DT90..	245	100	197	154	558	603	273	279	227	357	130	110	120	147	177
		DV100M	245	100	197	166	558	649	311	279	227	357	130	110	120	147	177
		DV100L	245	100	197	166	558	679	341	279	227	357	130	110	120	147	177
	VU31 VZ31	DV112M	305	125	221	179	635	721	349	331	283	445	150	138	152	172	211
		DV132S	305	125	221	179	635	766	394	331	283	445	150	138	152	172	211

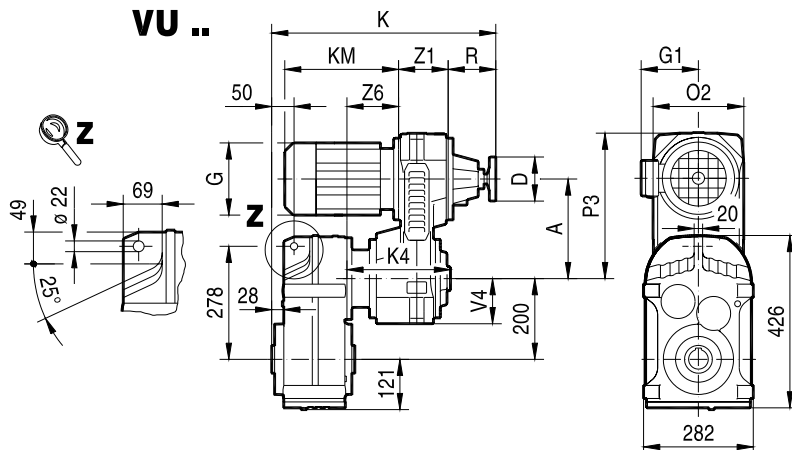
**FF77..****VU ..**

14 063 001

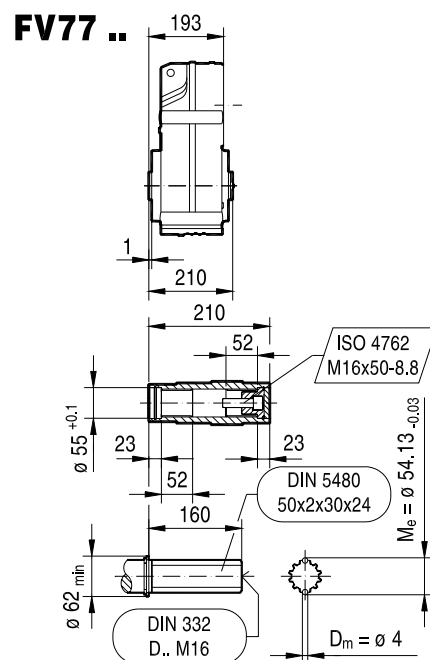
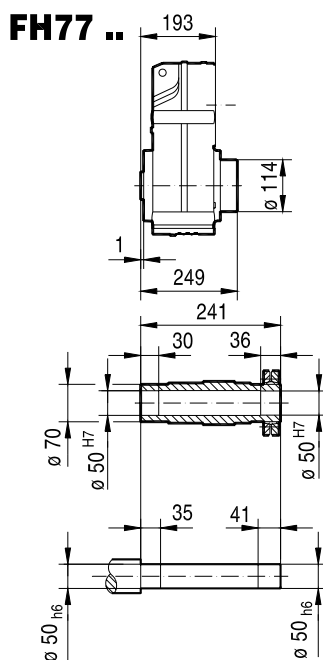
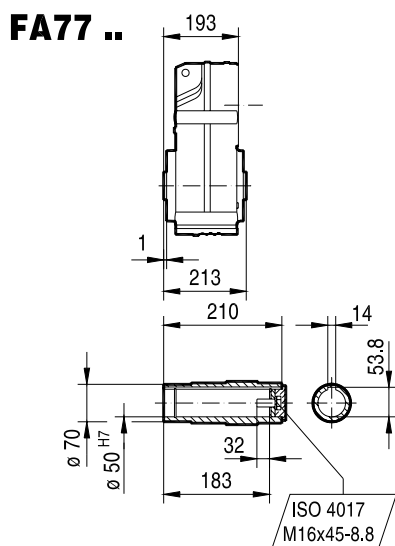
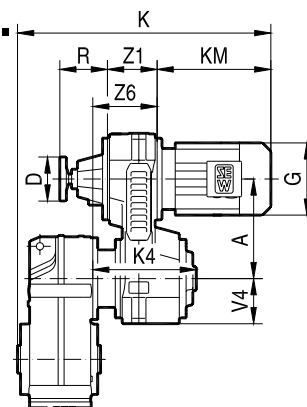
VZ ..**FAF77 ..****FHF77 ..****FVF77 ..**

(> 151)			A	D	G	G1	K		KM	K4	O2	P3	R	V4	Z1	Z6	
FF77 FAF77 FHF77 FVF77	VU11	DT80..	232	100	145	122	654	719	252	226	183	322	117	88	98	109	137
	VZ11	DT90..	232	100	197	154	654	740	273	226	183	322	117	88	98	109	137
	VU21	DT90..	245	100	197	154	719	772	273	271	227	357	130	110	120	139	169
	VZ21	DV100M	245	100	197	166	719	810	311	271	227	357	130	110	120	139	169
	VZ21	DV100L	245	100	197	166	719	840	341	271	227	357	130	110	120	139	169
	VU31	DV112M	305	125	221	179	795	881	349	322	283	445	150	138	152	163	202
	VZ31	DV132S	305	125	221	179	795	926	394	322	283	445	150	138	152	163	202
	VU41	DV132M	380	200	275	230	908	971	402	397	348	553	189	170	180	209	239
	VZ41	DV132ML	380	200	275	230	908	1031	462	397	348	553	189	170	180	209	239
	VZ41	DV160M	380	200	275	230	908	1031	462	397	348	553	189	170	180	209	239

VU ..



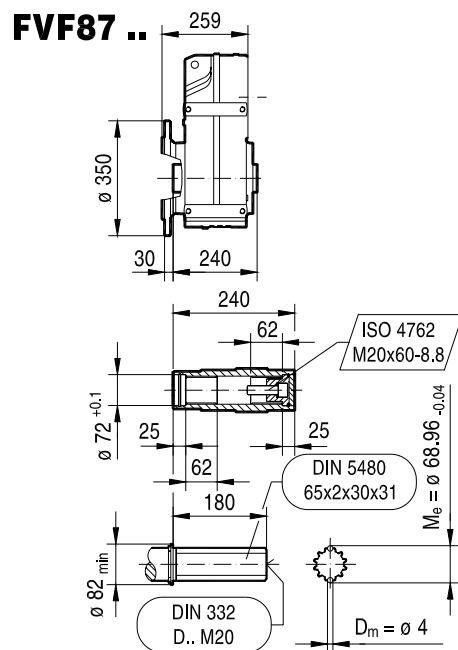
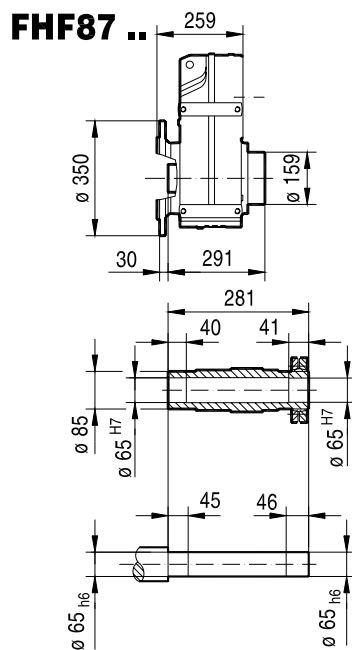
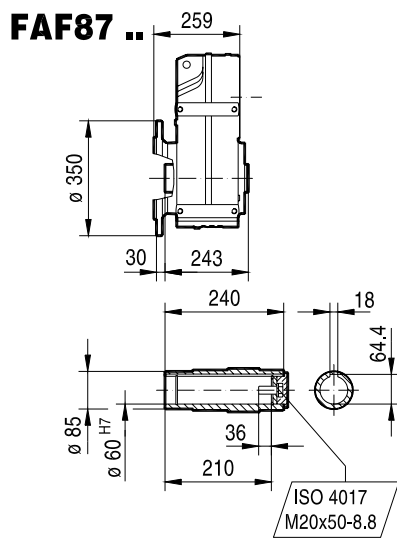
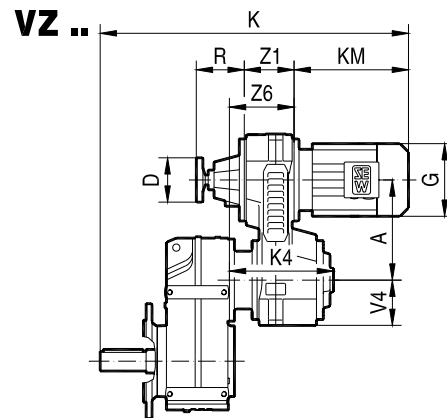
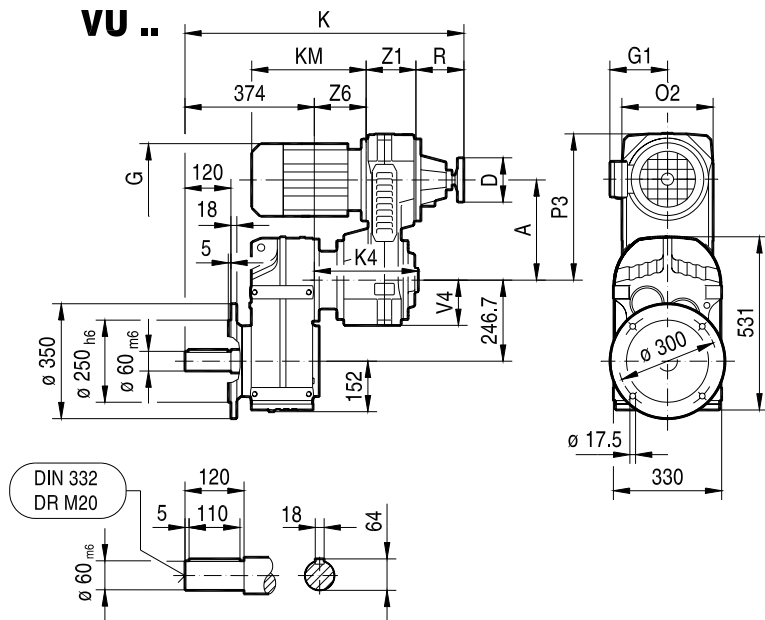
VZ ..



(→  151)			A	D	G	G1	K		KM	K4	O2	P3	R	V4	Z1	Z6	
FA77 FH77 FV77	VU11 VZ11	DT80..	232	100	145	122	517	582	252	226	183	322	117	88	98	109	137
		DT90..	232	100	197	154	517	603	273	226	183	322	117	88	98	109	137
	VU21 VZ21	DT90..	245	100	197	154	582	635	273	271	227	357	130	110	120	139	169
		DV100M	245	100	197	166	582	673	311	271	227	357	130	110	120	139	169
		DV100L	245	100	197	166	582	703	341	271	227	357	130	110	120	139	169
	VU31 VZ31	DV112M	305	125	221	179	658	744	349	322	283	445	150	138	152	163	202
		DV132S	305	125	221	179	658	789	394	322	283	445	150	138	152	163	202
	VU41 VZ41	DV132M	380	200	275	230	771	834	402	397	348	553	189	170	180	209	239
		DV132ML	380	200	275	230	771	894	462	397	348	553	189	170	180	209	239
		DV160M	380	200	275	230	771	894	462	397	348	553	189	170	180	209	239

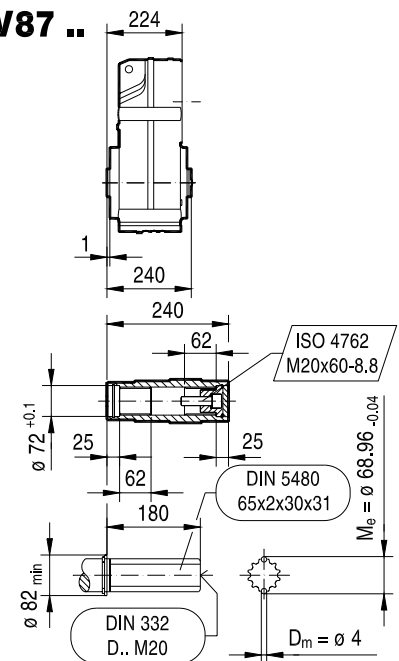
VU ..

14 065 001

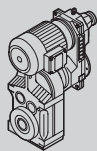


(→ 📖 151)			A	D	G	G1	K		KM	K4	O2	P3	R	V4	Z1	Z6	
							VU	VZ								VU	VZ
FF87 FAF87 FHF87 FVF87	VU21 VZ21	DT90..	245	100	197	154	759	812	273	267	227	357	130	110	120	135	165
		DV100M	245	100	197	166	759	850	311	267	227	357	130	110	120	135	165
		DV100L	245	100	197	166	759	880	341	267	227	357	130	110	120	135	165
	VU31 VZ31	DV112M	305	125	221	179	834	920	349	317	283	445	150	138	152	158	197
		DV132S	305	125	221	179	834	965	394	317	283	445	150	138	152	158	197
	VU41 VZ41	DV132M	380	200	275	230	947	1010	402	392	348	553	189	170	180	204	234
		DV132ML	380	200	275	230	947	1070	462	392	348	553	189	170	180	204	234
		DV160M	380	200	275	230	947	1070	462	392	348	553	189	170	180	204	234
	VU51	DV160L	460	200	331	259	1031	-	503	449	398	658	220	195	200	237	-
		DV180..	460	200	331	253	1031	-	575	449	398	658	220	195	200	237	-

Technical drawing of a VZ 2000 motor assembly showing dimensions: K, R, Z1, KM, Z6, D, G, A, V4, and K4.

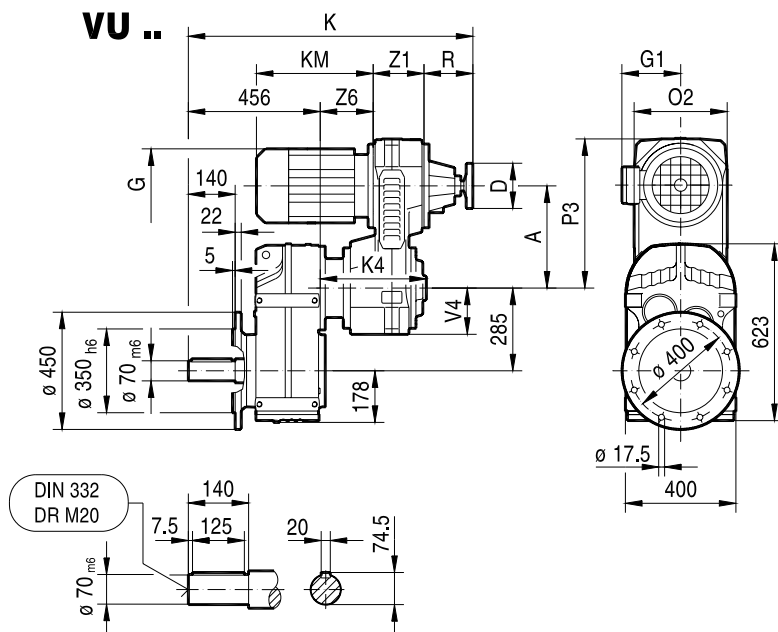


SEW
EURODRIVE



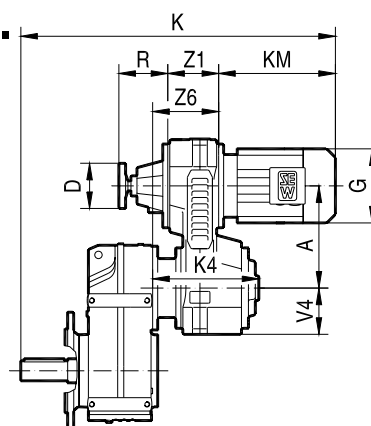
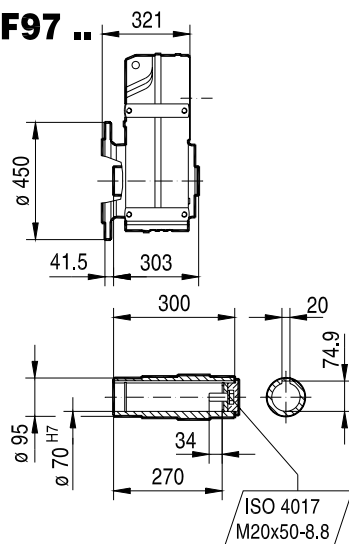
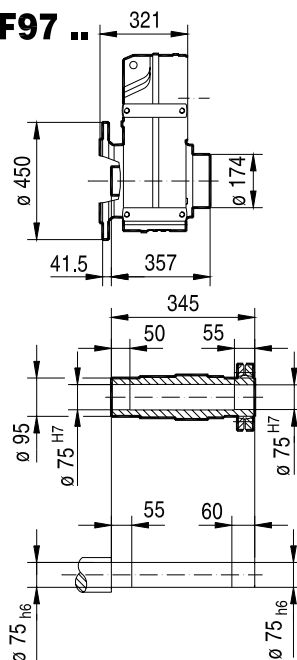
FF97..

VU

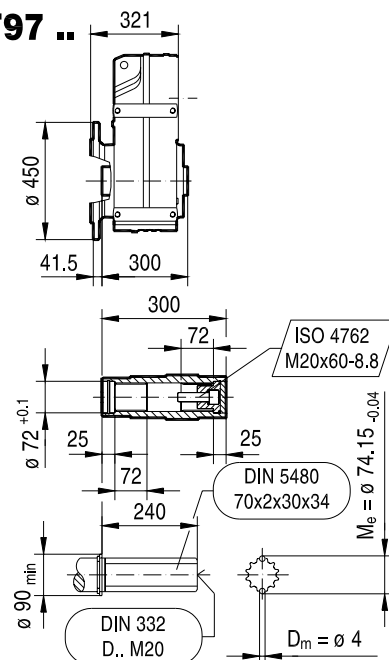


14 067 001

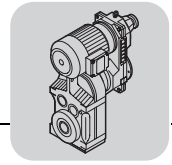
VZ ..

**FAF97 ..****FHF97 ..**

FVF97 ..



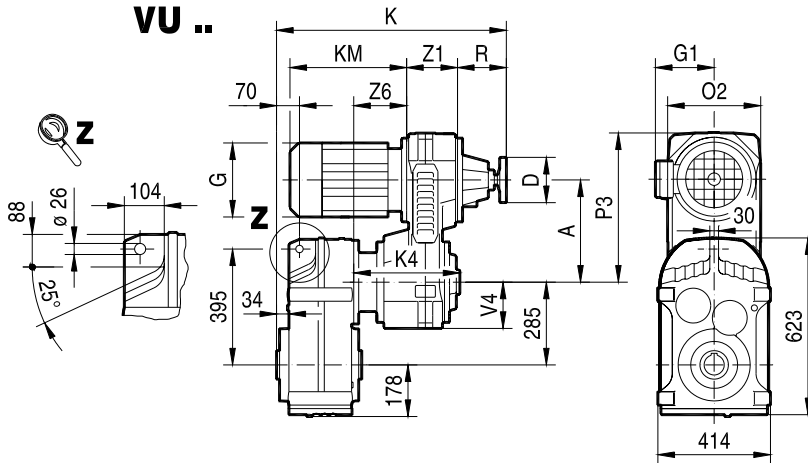
(→ 📖 151)			A	D	G	G1	K		KM	K4	O2	P3	R	V4	Z1	Z6	
							VU	VZ								VU	VZ
FF97 FAF97 FHF97 FVF97	VU31 VZ31	DV112M	305	125	221	179	911	997	349	312	283	445	150	138	152	153	192
		DV132S	305	125	221	179	911	1042	394	312	283	445	150	138	152	153	192
	VU41 VZ41	DV132M	380	200	275	230	1024	1087	402	387	348	553	189	170	180	199	229
		DV132ML	380	200	275	230	1024	1147	462	387	348	553	189	170	180	199	229
		DV160M	380	200	275	230	1024	1147	462	387	348	553	189	170	180	199	229
	VU51	DV160L	460	200	331	259	1108	-	503	444	398	658	220	195	200	232	-
		DV180..	460	200	331	253	1108	-	575	444	398	658	220	195	200	232	-



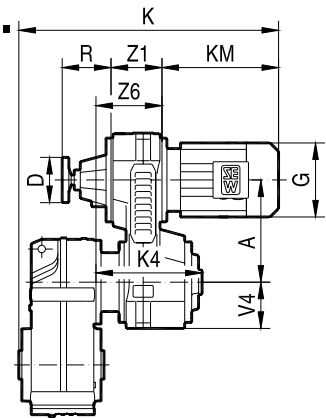
14 068 001

FA97 ..

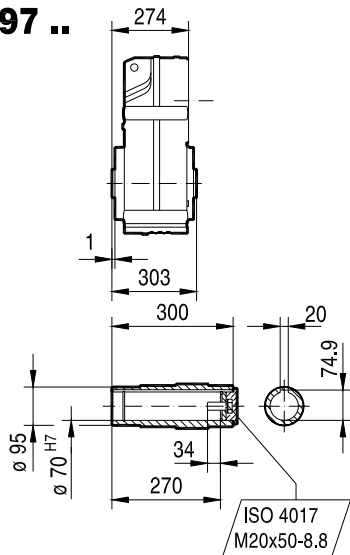
VU ■■



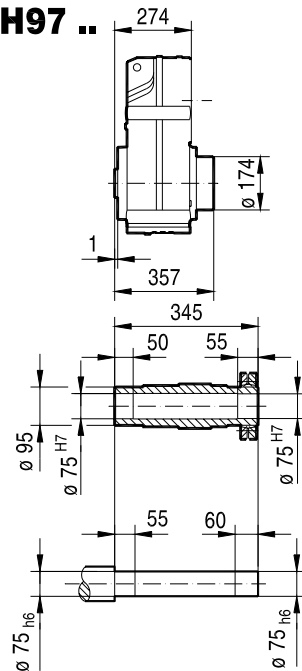
VZ ..



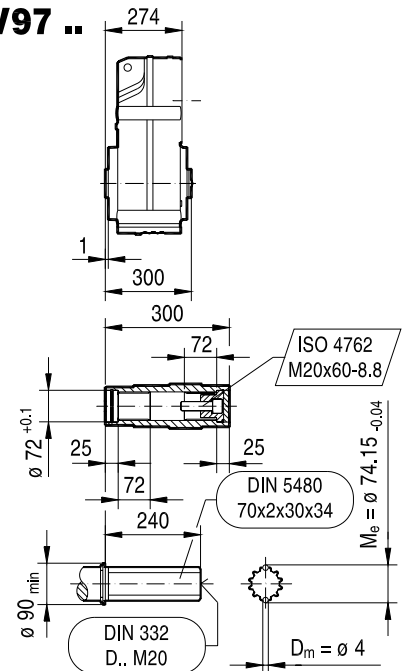
FA97 ..



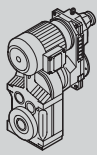
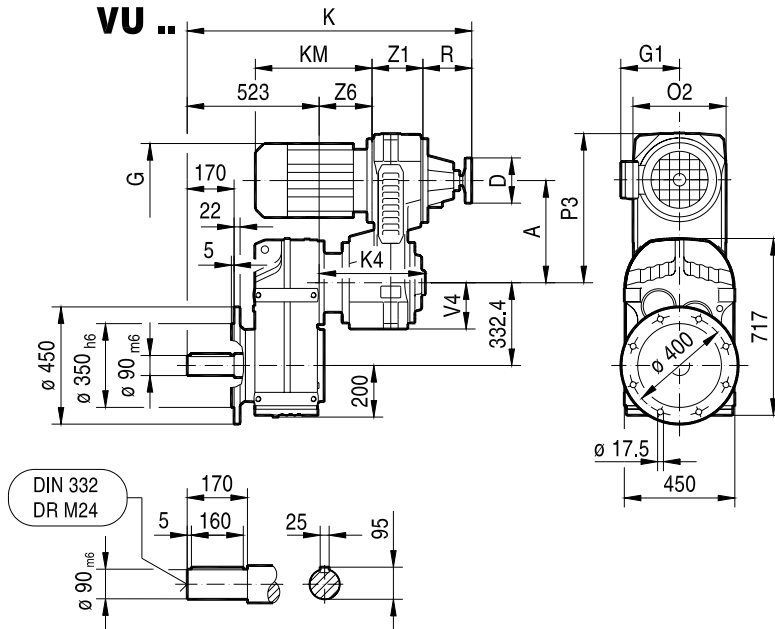
FH97 ..



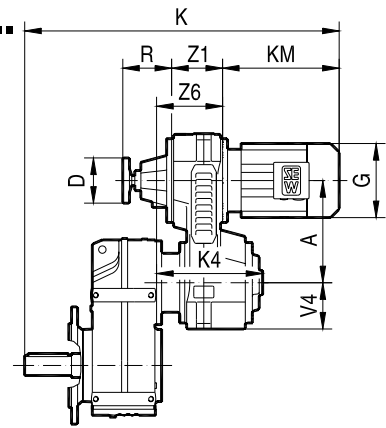
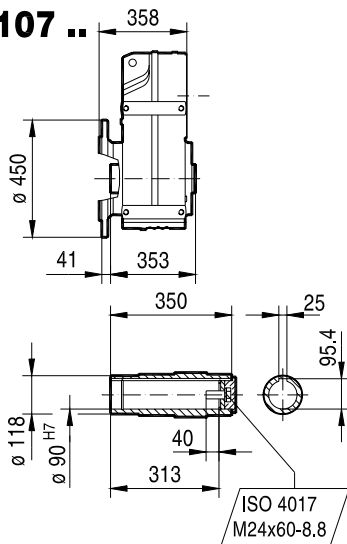
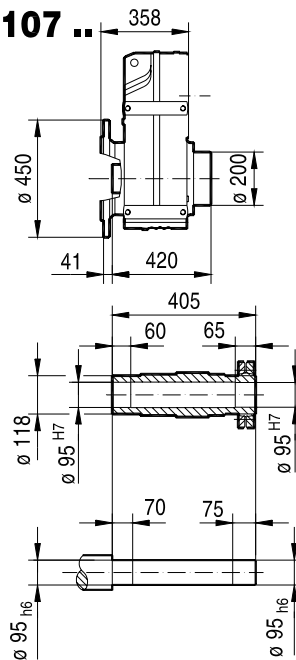
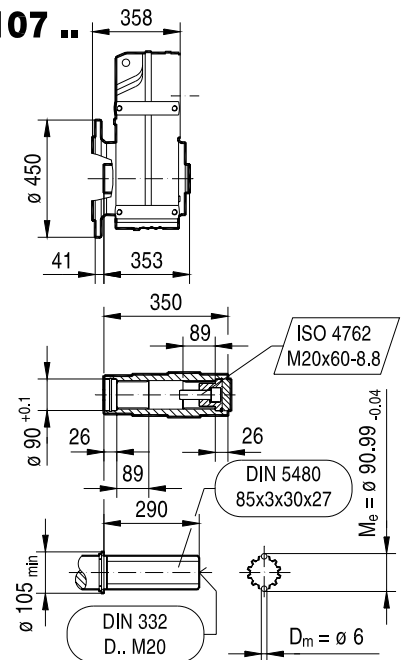
FV97 ..



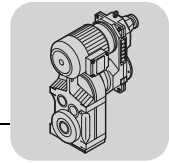
(→ 📖 151)			A	D	G	G1	K		KM	K4	O2	P3	R	V4	Z1	Z6	
							VU	VZ								VU	VZ
FA97 FH97 FV97	VU31 VZ31	DV112M	305	125	221	179	729	815	349	312	283	445	150	138	152	153	192
		DV132S	305	125	221	179	729	860	394	312	283	445	150	138	152	153	192
	VU41 VZ41	DV132M	380	200	275	230	842	905	402	387	348	553	189	170	180	199	229
		DV132ML	380	200	275	230	842	965	462	387	348	553	189	170	180	199	229
		DV160M	380	200	275	230	842	965	462	387	348	553	189	170	180	199	229
	VU51	DV160L	460	200	331	259	926	-	503	444	398	658	220	195	200	232	-
		DV180..	460	200	331	253	926	-	575	444	398	658	220	195	200	232	-

**FF107..****VU ..**

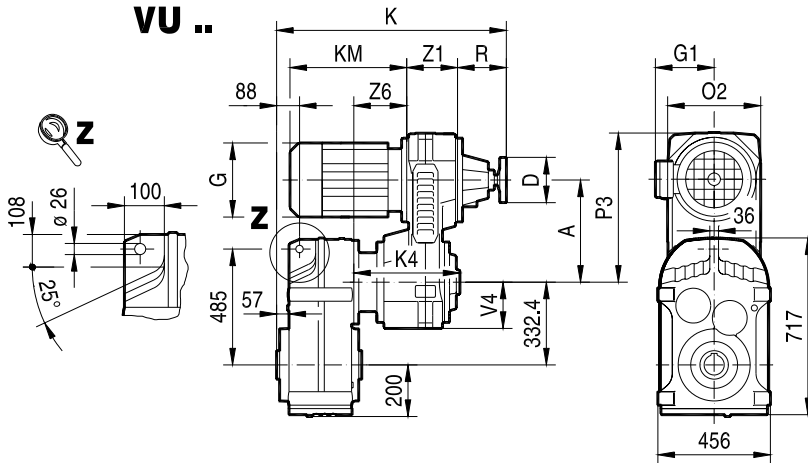
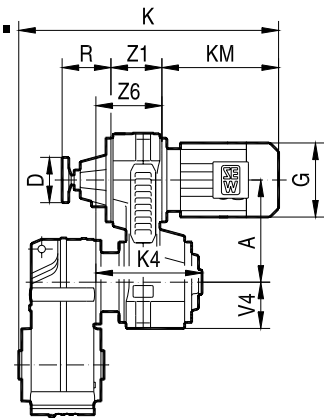
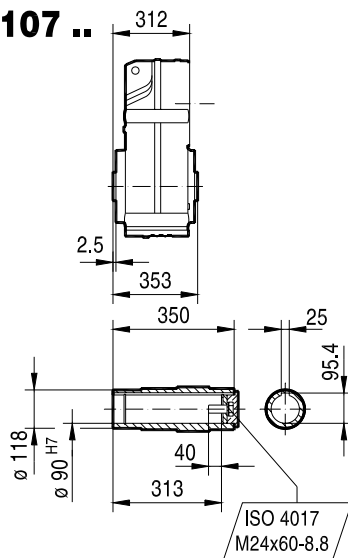
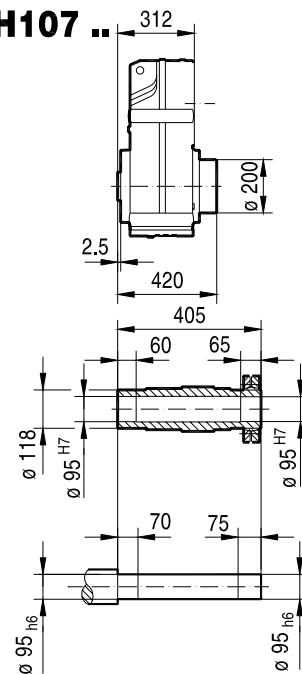
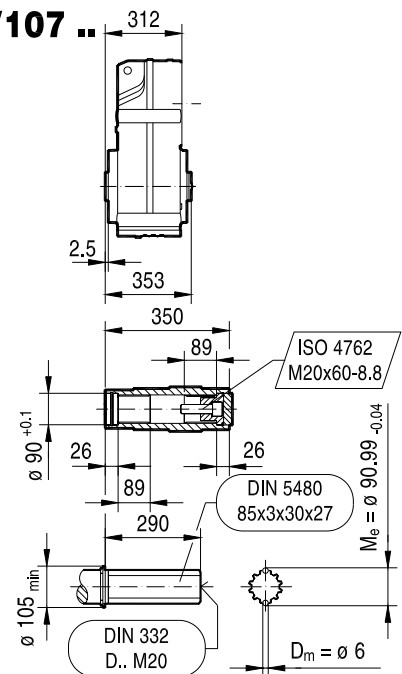
14 069 001

VZ ..**FAF107 ..****FHF107 ..****FVF107 ..**

(> 151)			A	D	G	G1	K		KM	K4	O2	P3	R	V4	Z1	Z6	
							VU	VZ								VU	VZ
FF107 FAF107 FHF107 FVF107	VU41 VZ41	DV132M	380	200	275	230	1085	1148	402	381	348	553	189	170	180	193	223
		DV132ML	380	200	275	230	1085	1208	462	381	348	553	189	170	180	193	223
		DV160M	380	200	275	230	1085	1208	462	381	348	553	189	170	180	193	223
	VU51	DV160L	460	200	331	259	1169	-	503	438	398	658	220	195	200	226	-
		DV180..	460	200	331	253	1169	-	575	438	398	658	220	195	200	226	-
	VU6	DV200..	574	385	394	285	1228	-	623	662	490	805	155	245	214	336	-
		DV225..	574	385	394	289	1228	-	690	662	490	805	155	245	249	301	-

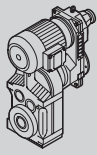


14 070 001

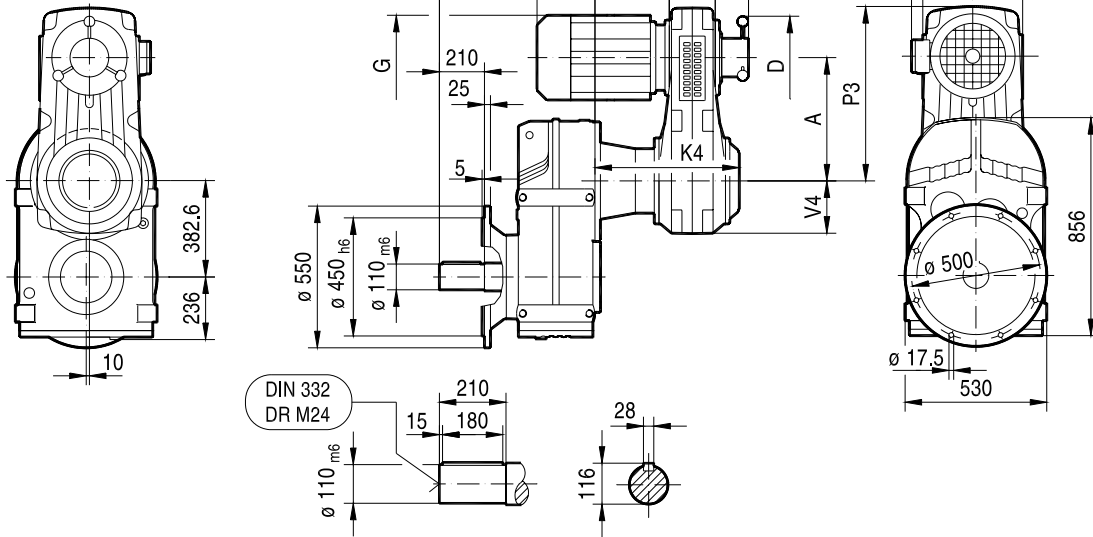
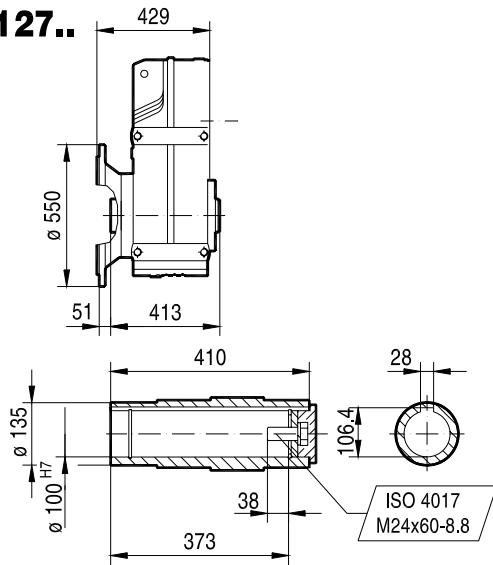
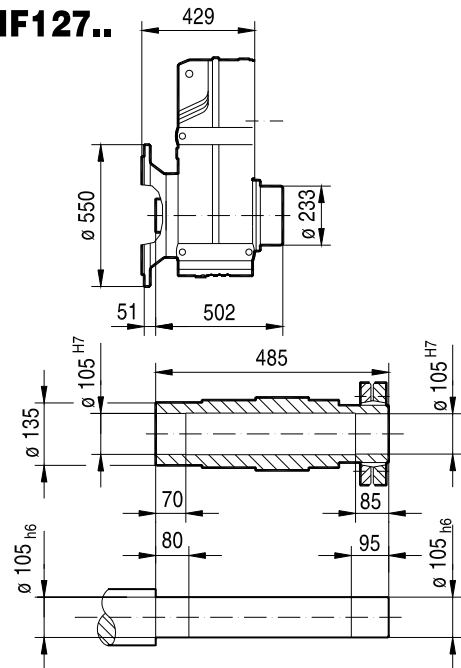
FA107 ..**VU ..****VZ ..****FA107 ..****FH107 ..****FV107 ..**

10

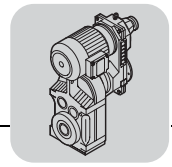
(> 151)			A	D	G	G1	K		KM	K4	O2	P3	R	V4	Z1	Z6	
							VU	VZ								VU	VZ
FA107 FH107 FV107	VU41 VZ41	DV132M	380	200	275	230	874	937	402	381	348	553	189	170	180	193	223
		DV132ML	380	200	275	230	874	997	462	381	348	553	189	170	180	193	223
		DV160M	380	200	275	230	874	997	462	381	348	553	189	170	180	193	223
	VU51	DV160L	460	200	331	259	958	-	503	438	398	658	220	195	200	226	-
		DV180..	460	200	331	253	958	-	575	438	398	658	220	195	200	226	-
	VU6	DV200..	574	385	394	285	1017	-	623	662	490	805	155	245	214	336	-
		DV225..	574	385	394	289	1017	-	690	662	490	805	155	245	249	301	-



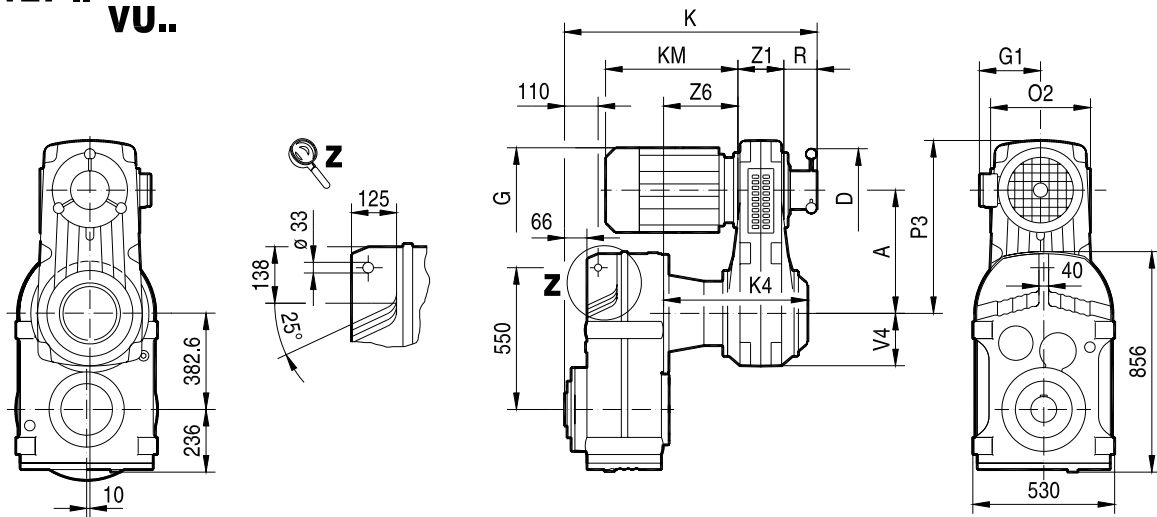
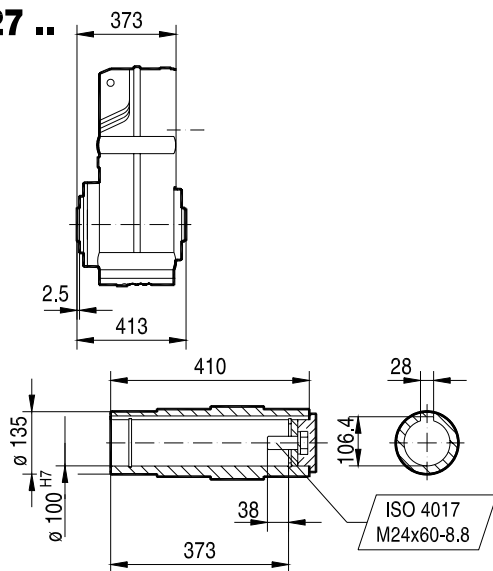
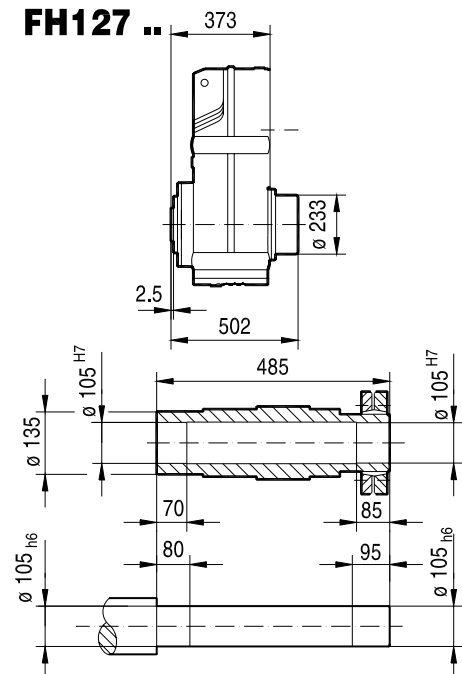
14 071 001

FF127 .. VU..**FAF127..****FHF127..**

(→ 151)			A	D	G	G1	K VU	KM	K4	O2	P3	R	V4	Z1	Z6 VU
FF127 FAF127 FHF127	VU51	DV160L	460	200	331	259	1265	503	423	398	658	220	195	200	211
		DV180..	460	200	331	253	1265	575	423	398	658	220	195	200	211
	VU6	DV200..	574	385	394	285	1324	623	647	490	805	155	245	214	321
		DV225..	574	385	394	289	1324	690	647	490	805	155	245	249	286

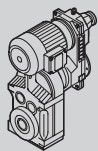


14 072 001

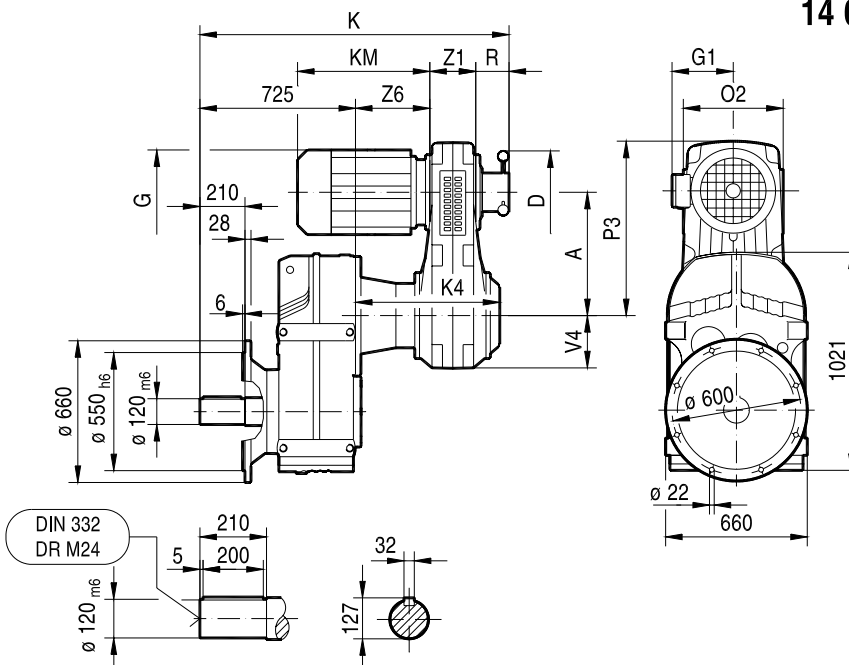
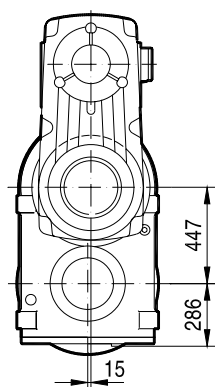
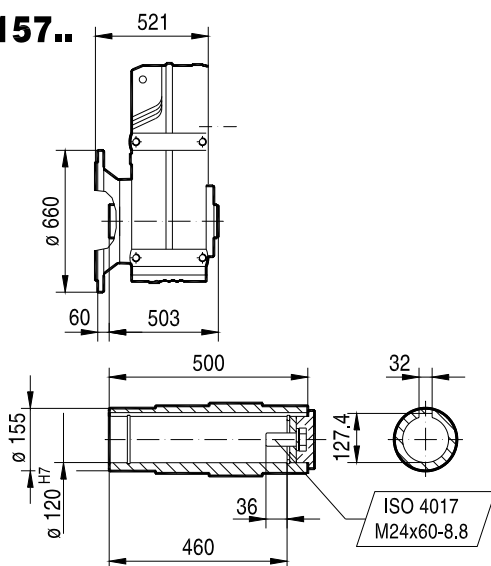
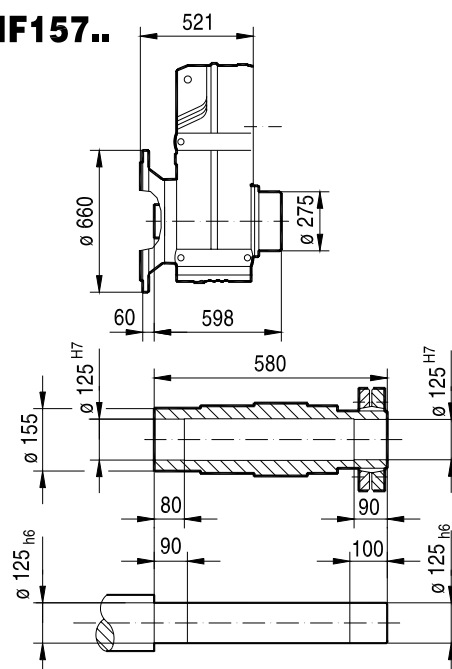
**FA127 ..
VU..****FA127 ..****FH127 ..**

10

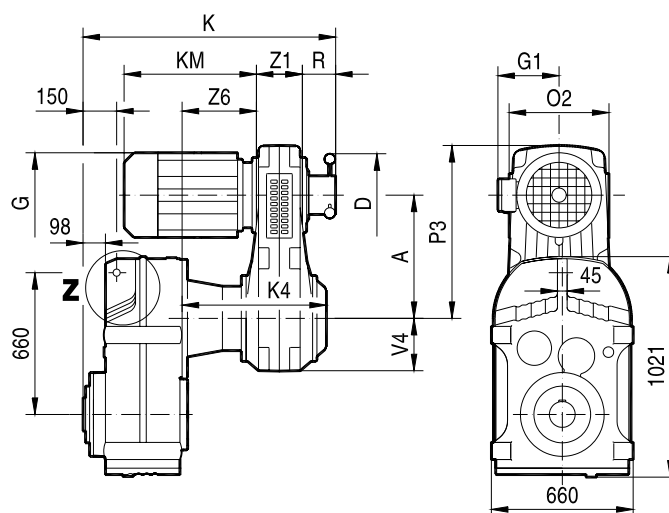
(→ 151)			A	D	G	G1	K VU	KM	K4	O2	P3	R	V4	Z1	Z6 VU
FA127 FH127	VU51	DV160L	460	200	331	259	1004	503	423	398	658	220	195	200	211
		DV180..	460	200	331	253	1004	575	423	398	658	220	195	200	211
	VU6	DV200..	574	385	394	285	1063	623	647	490	805	155	245	214	321
		DV225..	574	385	394	289	1063	690	647	490	805	155	245	249	286



14 073 001

FF157 .. VU..**FAF157..****FHF157..**

(→ 151)			A	D	G	G1	K	KM	K4	O2	P3	R	V4	Z1	Z6
FF157	VU6	DV200..	574	385	394	285	1440	623	672	490	805	155	245	214	346
FAF157		DV225..	574	385	394	289	1440	690	672	490	805	155	245	249	311
FHF157															



157 ..

455

503

7

500

155

120 H7

36

32

127.4

ISO 4017
M24x60-8.8

Technical drawing of the FH157 .. valve assembly, showing front, side, and cross-sectional views with dimensions.

Front View (Top):

- Overall width: 455
- Overall height: 598
- Flange diameter: $\varnothing 275$
- Flange thickness: 7

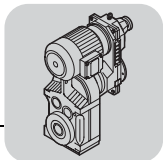
Side View (Middle):

- Overall length: 580
- Flange diameter: $\varnothing 125^{H7}$
- Flange thickness: 155
- Internal diameter: $\varnothing 125^{H7}$
- End flange diameter: $\varnothing 125^{H7}$
- End flange thickness: 90

Cross-sectional View (Bottom):

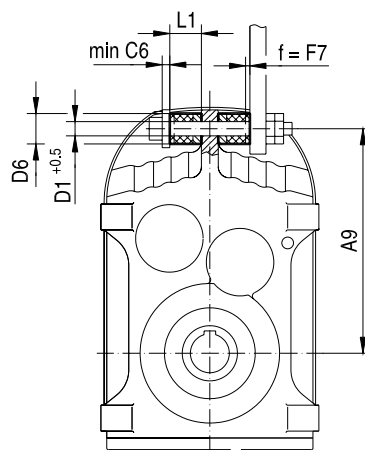
- Overall length: 100
- Internal diameter: $\varnothing 125^{h6}$
- End flange diameter: $\varnothing 125^{h6}$
- End flange thickness: 90

(→ 151)			A	D	G	G1	K	KM	K4	O2	P3	R	V4	Z1	Z6
FA157 FH157	VU6	DV200..	574	385	394	285	1170	623	672	490	805	155	245	214	346
		DV225..	574	385	394	289	1170	690	672	490	805	155	245	249	311



10.4 Drehmomentstütze F../G..

14 075 001

F../G ..

	A9	C6	D1	D6	F7	L1
FA37/G V..	158	5	12.5	40	1	20
FA47/G V..	170	5	12.5	40	1.8	20
FA57/G V..	198	5	12.5	40	2.4	20
FA67/G V..	218	5	12.5	40	3	20
FA77/G V..	278	10	21	60	3.2	30
FA87/G V..	346	10	21	60	4.5	30
FA97/G V..	395	12	25	80	5	40
FA107/G V..	485	12	25	80	6	40
FA127/G V..	550	15	32	100	9	60
FA157/G V..	660	15	32	100	9	60