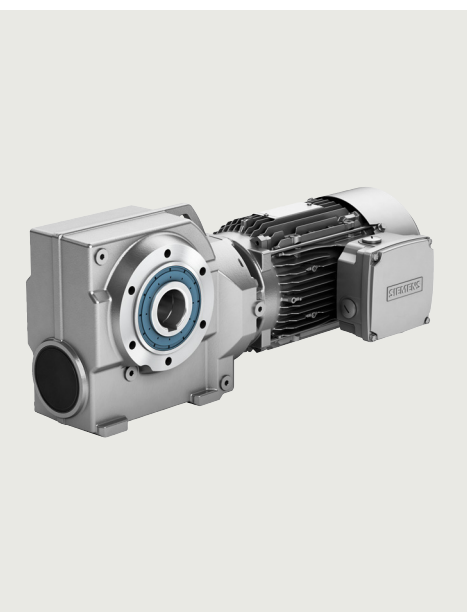


Helical worm geared motors



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SIMOGEAR geared motors

Helical worm geared motors

Orientation

Helical worm geared motors 2-stages

Helical worm tandem geared motors 4- or 5-stages for especially low output speeds

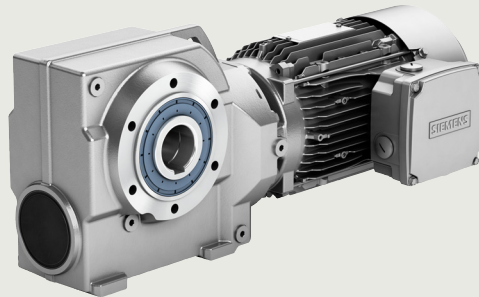


Fig. 6/1 Helical worm geared motor C

Designs	Mounting	Frame sizes	Maximum output torque T_{2N} Nm	Transmission ratio i –	Maximum motor power P_1 kW	Supported motors
<ul style="list-style-type: none"> • Foot-mounted design • Flange-mounted design • Design with integrated housing flange • Shaft-mounted design • Tandem geared motor 	<ul style="list-style-type: none"> • Hollow shaft design with feather key • Hollow shaft design with shrink disk • Hollow shaft design with SIMOLOC assembly system • Solid shaft design with and without feather key 	C29 ... C89 C39A-Z19 ... C89-D39	82 ... 1450 80 ... 1310	6.48 ... 363 270 ... 19000	7.5	<ul style="list-style-type: none"> • Converter World Motor • Induction motors • Synchronous reluctance motors • VSD10 line motors • Explosion-protected motors

Selection and ordering data

P_N	n_2	T_2	i	F_{R2}	f_B	m	Article No.	Additional identification code -Z with order code
kW	rpm	Nm	–	N	–	kg	(Article No. supplement, see below)	No. of poles
0.09	C.49-LE63MEB6							
	3	176	299	8730	2	20	2KJ3603- ■ BD21- ■ ■ N2 -Z	P01
	C.39A-LE63MEB6							
	3	167	299	6270	1.1	14	2KJ3642- ■ BD21- ■ ■ N2 -Z	P01
	3.4	152	265.2	6330	1.2	14	2KJ3642- ■ BD21- ■ ■ M2 -Z	P01
	3.9	136	230.1	6390	1.4	14	2KJ3642- ■ BD21- ■ ■ L2 -Z	P01
	4.3	126	209.18	6430	1.5	14	2KJ3642- ■ BD21- ■ ■ K2 -Z	P01
	C.39A-LE63MCA4							
	4.7	117	299	6460	1.6	14	2KJ3642- ■ BB21- ■ ■ N2 -Z	–
	5.3	106	265.2	6500	1.8	14	2KJ3642- ■ BB21- ■ ■ M2 -Z	–
	6.1	95	230.1	6540	2	14	2KJ3642- ■ BB21- ■ ■ L2 -Z	–
	C.29-LE63MEB6							
	4.3	125	209.18	4050	0.86	9	2KJ3601- ■ BD21- ■ ■ K2 -Z	P01
	5	110	179.4	4130	0.97	9	2KJ3601- ■ BD21- ■ ■ J2 -Z	P01
	C.29-LE63MCA4							
	5.3	105	265.2	4150	1	8	2KJ3601- ■ BB21- ■ ■ M2 -Z	–
	6.1	94	230.1	4210	1.2	8	2KJ3601- ■ BB21- ■ ■ L2 -Z	–
	6.7	87	209.18	4240	1.3	8	2KJ3601- ■ BB21- ■ ■ K2 -Z	–
	7.9	76	179.4	4300	1.4	8	2KJ3601- ■ BB21- ■ ■ J2 -Z	–
	8.6	71	163.09	4330	1.6	8	2KJ3601- ■ BB21- ■ ■ H2 -Z	–
	9.9	63	143	4370	1.7	8	2KJ3601- ■ BB21- ■ ■ G2 -Z	–
	11	57	127.64	4400	1.9	8	2KJ3601- ■ BB21- ■ ■ F2 -Z	–
	12	51	113.75	4430	2.1	8	2KJ3601- ■ BB21- ■ ■ E2 -Z	–
	13	48	105	4440	2.3	8	2KJ3601- ■ BB21- ■ ■ D2 -Z	–
	15	42	91.93	4470	2.6	8	2KJ3601- ■ BB21- ■ ■ C2 -Z	–
	17	37	80.6	4500	3	8	2KJ3601- ■ BB21- ■ ■ B2 -Z	–
	19	34	73.12	4500	3.3	8	2KJ3601- ■ BB21- ■ ■ A2 -Z	–
	20	32	68.82	4500	3.5	8	2KJ3601- ■ BB21- ■ ■ X1 -Z	–
	23	28	60.67	4500	3.9	8	2KJ3601- ■ BB21- ■ ■ W1 -Z	–
	27	24	52.65	4500	4.5	8	2KJ3601- ■ BB21- ■ ■ V1 -Z	–
	28	27	49.87	4500	3.8	8	2KJ3601- ■ BB21- ■ ■ U1 -Z	–
	33	23	43.27	4500	4.4	8	2KJ3601- ■ BB21- ■ ■ T1 -Z	–
	36	21	39.33	4500	4.8	8	2KJ3601- ■ BB21- ■ ■ S1 -Z	–
43	18	32.64	4500	5	8	2KJ3601- ■ BB21- ■ ■ Q1 -Z	–	
0.12	C.39A-LE63ZMH4P							
	4.6	158	299	6310	1.2	16	2KJ3642- ■ BD23- ■ ■ N2 -Z	–
	5.2	144	265.2	6360	1.3	16	2KJ3642- ■ BD23- ■ ■ M2 -Z	–
	6	128	230.1	6420	1.5	16	2KJ3642- ■ BD23- ■ ■ L2 -Z	–
	6.6	118	209.18	6460	1.6	16	2KJ3642- ■ BD23- ■ ■ K2 -Z	–
	7.7	103	179.4	6510	1.9	16	2KJ3642- ■ BD23- ■ ■ J2 -Z	–
	8.5	95	163.09	6450	2	16	2KJ3642- ■ BD23- ■ ■ H2 -Z	–
	C.29-LE63ZMH4P							
	6	126	230.1	4050	0.85	10	2KJ3601- ■ BD23- ■ ■ L2 -Z	–
	6.6	117	209.18	4090	0.93	10	2KJ3601- ■ BD23- ■ ■ K2 -Z	–
	7.7	103	179.4	4160	1.1	10	2KJ3601- ■ BD23- ■ ■ J2 -Z	–
	8.5	95	163.09	4200	1.2	10	2KJ3601- ■ BD23- ■ ■ H2 -Z	–
	9.7	85	143	4250	1.3	10	2KJ3601- ■ BD23- ■ ■ G2 -Z	–
	11	77	127.64	4290	1.4	10	2KJ3601- ■ BD23- ■ ■ F2 -Z	–
	12	69	113.75	4340	1.6	10	2KJ3601- ■ BD23- ■ ■ E2 -Z	–
	13	64	105	4360	1.7	10	2KJ3601- ■ BD23- ■ ■ D2 -Z	–
	15	57	91.93	4400	1.9	10	2KJ3601- ■ BD23- ■ ■ C2 -Z	–

Article No. supplement

Shaft design	1 or 9	see page 10/51
Frequency and voltage	2 or 9	see page 11/2
Gearbox mounting type	A, F, H or D	see page 10/42

SIMOGEAR geared motors

Helical worm geared motors

Geared motors up to 7.5 kW

Selection and ordering data

P_N kW	n_2 rpm	T_2 Nm	i –	F_{R2} N	f_B –	m kg	Article No. (Article No. supplement, see below)	Additional identification code -Z with order code No. of poles
0.12	C.29-LE63ZMH4P							
	17	50	80.6	4430	2.2	10	2KJ3601- ■ BD23- ■ ■ B2 -Z –	
	19	46	73.12	4450	2.4	10	2KJ3601- ■ BD23- ■ ■ A2 -Z –	
	20	43	68.82	4470	2.6	10	2KJ3601- ■ BD23- ■ ■ X1 -Z –	
	23	38	60.67	4490	2.9	10	2KJ3601- ■ BD23- ■ ■ W1 -Z –	
	26	33	52.65	4500	3.4	10	2KJ3601- ■ BD23- ■ ■ V1 -Z –	
	28	36	49.87	4500	2.8	10	2KJ3601- ■ BD23- ■ ■ U1 -Z –	
	32	32	43.27	4500	3.3	10	2KJ3601- ■ BD23- ■ ■ T1 -Z –	
	35	29	39.33	4500	3.6	10	2KJ3601- ■ BD23- ■ ■ S1 -Z –	
	41	25	33.73	4500	4.2	10	2KJ3601- ■ BD23- ■ ■ R1 -Z –	
	43	24	32.64	4500	3.7	10	2KJ3601- ■ BD23- ■ ■ Q1 -Z –	
	49	21	28.32	4500	4.3	10	2KJ3601- ■ BD23- ■ ■ P1 -Z –	
	54	19	25.75	4500	4.7	10	2KJ3601- ■ BD23- ■ ■ N1 -Z –	
	0.18	C.69-LE71ZMK6P						
2.4		440	360	11200	1.5	30	2KJ3604- ■ CC23- ■ ■ M2 -Z P01	
2.7		400	319.8	11300	1.7	30	2KJ3604- ■ CC23- ■ ■ L2 -Z P01	
3.1		360	280.8	11400	1.9	30	2KJ3604- ■ CC23- ■ ■ K2 -Z P01	
3.4		335	255.27	11400	2	30	2KJ3604- ■ CC23- ■ ■ J2 -Z P01	
C.49-LE71ZMK6P								
2.9		355	299	8400	0.96	22	2KJ3603- ■ CC23- ■ ■ N2 -Z P01	
3.3		325	265.2	8480	1.1	22	2KJ3603- ■ CC23- ■ ■ M2 -Z P01	
3.8		290	230.1	8590	1.2	22	2KJ3603- ■ CC23- ■ ■ L2 -Z P01	
4.2		270	209.18	8640	1.3	22	2KJ3603- ■ CC23- ■ ■ K2 -Z P01	
C.49-LE63ZMK4P								
4.6		245	299	8720	1.4	21	2KJ3603- ■ BE23- ■ ■ N2 -Z –	
5.2		225	265.2	8730	1.5	21	2KJ3603- ■ BE23- ■ ■ M2 -Z –	
6		200	230.1	8730	1.8	21	2KJ3603- ■ BE23- ■ ■ L2 -Z –	
6.6		184	209.18	8730	1.9	21	2KJ3603- ■ BE23- ■ ■ K2 -Z –	
C.39A-LE63ZMK4P								
4.6		235	299	6020	0.81	16	2KJ3642- ■ BE23- ■ ■ N2 -Z –	
5.2		215	265.2	6100	0.89	16	2KJ3642- ■ BE23- ■ ■ M2 -Z –	
6		193	230.1	6180	1	16	2KJ3642- ■ BE23- ■ ■ L2 -Z –	
6.6		177	209.18	6240	1.1	16	2KJ3642- ■ BE23- ■ ■ K2 -Z –	
7.7		155	179.4	6210	1.2	16	2KJ3642- ■ BE23- ■ ■ J2 -Z –	
8.5		143	163.09	6070	1.4	16	2KJ3642- ■ BE23- ■ ■ H2 -Z –	
9.7		126	143	5900	1.5	16	2KJ3642- ■ BE23- ■ ■ G2 -Z –	
11		114	127.64	5740	1.7	16	2KJ3642- ■ BE23- ■ ■ F2 -Z –	
12		102	113.75	5590	1.9	16	2KJ3642- ■ BE23- ■ ■ E2 -Z –	
13		94	105	5480	2.1	16	2KJ3642- ■ BE23- ■ ■ D2 -Z –	
C.29-LE63ZMK4P								
9.7		128	143	4040	0.86	10	2KJ3601- ■ BE23- ■ ■ G2 -Z –	
11		116	127.64	4100	0.95	10	2KJ3601- ■ BE23- ■ ■ F2 -Z –	
12		104	113.75	4160	1.1	10	2KJ3601- ■ BE23- ■ ■ E2 -Z –	
13		97	105	4190	1.1	10	2KJ3601- ■ BE23- ■ ■ D2 -Z –	
15		86	91.93	4250	1.3	10	2KJ3601- ■ BE23- ■ ■ C2 -Z –	
17		75	80.6	4300	1.5	10	2KJ3601- ■ BE23- ■ ■ B2 -Z –	
19		68	73.12	4340	1.6	10	2KJ3601- ■ BE23- ■ ■ A2 -Z –	
20	64	68.82	4360	1.7	10	2KJ3601- ■ BE23- ■ ■ X1 -Z –		
23	57	60.67	4400	1.9	10	2KJ3601- ■ BE23- ■ ■ W1 -Z –		
26	49	52.65	4440	2.2	10	2KJ3601- ■ BE23- ■ ■ V1 -Z –		
28	54	49.87	4410	1.9	10	2KJ3601- ■ BE23- ■ ■ U1 -Z –		
32	47	43.27	4450	2.2	10	2KJ3601- ■ BE23- ■ ■ T1 -Z –		

Article No. supplement

Shaft design	1 or 9	see page 10/51
Frequency and voltage	2 or 9	see page 11/2
Gearbox mounting type	A, F, H or D	see page 10/42

Selection and ordering data

P_N kW	n_2 rpm	T_2 Nm	i –	F_{R2} N	f_B –	m kg	Article No. (Article No. supplement, see below)	Additional identification code -Z with order code No. of poles
0.18	C.29-LE63ZMK4P							
	35	43	39.33	4470	2.4	10	2KJ3601- ■ BE23- ■ ■ S1 -Z –	
	41	37	33.73	4500	2.8	10	2KJ3601- ■ BE23- ■ ■ R1 -Z –	
	42	36	32.64	4500	2.5	10	2KJ3601- ■ BE23- ■ ■ Q1 -Z –	
	49	32	28.32	4500	2.8	10	2KJ3601- ■ BE23- ■ ■ P1 -Z –	
	54	29	25.75	4500	3.1	10	2KJ3601- ■ BE23- ■ ■ N1 -Z –	
	63	25	22.08	4500	3.6	10	2KJ3601- ■ BE23- ■ ■ M1 -Z –	
	69	23	20.07	4500	4	10	2KJ3601- ■ BE23- ■ ■ L1 -Z –	
79	20	17.6	4500	4.6	10	2KJ3601- ■ BE23- ■ ■ K1 -Z –		
0.25	C.69-LE71YMS6P							
	2.4	620	360	10700	1.1	32	2KJ3604- ■ CE23- ■ ■ M2 -Z P01	
	2.7	560	319.8	10900	1.2	32	2KJ3604- ■ CE23- ■ ■ L2 -Z P01	
	3.1	505	280.8	11000	1.3	32	2KJ3604- ■ CE23- ■ ■ K2 -Z P01	
	3.4	470	255.27	11100	1.4	32	2KJ3604- ■ CE23- ■ ■ J2 -Z P01	
	C.69-LE71ZMK4P							
	3.9	420	360	11200	1.6	30	2KJ3604- ■ CC23- ■ ■ M2 -Z –	
	4.4	380	319.8	11300	1.8	30	2KJ3604- ■ CC23- ■ ■ L2 -Z –	
	5	340	280.8	11400	2	30	2KJ3604- ■ CC23- ■ ■ K2 -Z –	
	C.49-LE71YMS6P							
	3.8	405	230.1	8250	0.86	23	2KJ3603- ■ CE23- ■ ■ L2 -Z P01	
	4.2	375	209.18	8340	0.93	23	2KJ3603- ■ CE23- ■ ■ K2 -Z P01	
	C.49-LE71ZMK4P							
	4.7	340	299	8440	1	22	2KJ3603- ■ CC23- ■ ■ N2 -Z –	
	5.3	310	265.2	8530	1.1	22	2KJ3603- ■ CC23- ■ ■ M2 -Z –	
	6.1	275	230.1	8630	1.3	22	2KJ3603- ■ CC23- ■ ■ L2 -Z –	
	6.7	250	209.18	8700	1.4	22	2KJ3603- ■ CC23- ■ ■ K2 -Z –	
	7.8	220	179.4	8730	1.6	22	2KJ3603- ■ CC23- ■ ■ J2 -Z –	
	8.6	200	163.09	8730	1.8	22	2KJ3603- ■ CC23- ■ ■ H2 -Z –	
	9.8	179	143	8730	2	22	2KJ3603- ■ CC23- ■ ■ G2 -Z –	
	11	160	127.64	8580	2.2	22	2KJ3603- ■ CC23- ■ ■ F2 -Z –	
	C.39A-LE71ZMK4P							
	7.8	210	179.4	5740	0.9	16	2KJ3642- ■ CC23- ■ ■ J2 -Z –	
	8.6	197	163.09	5610	0.98	16	2KJ3642- ■ CC23- ■ ■ H2 -Z –	
	9.8	174	143	5490	1.1	16	2KJ3642- ■ CC23- ■ ■ G2 -Z –	
	11	157	127.64	5370	1.2	16	2KJ3642- ■ CC23- ■ ■ F2 -Z –	
	12	140	113.75	5260	1.4	16	2KJ3642- ■ CC23- ■ ■ E2 -Z –	
	13	130	105	5170	1.5	16	2KJ3642- ■ CC23- ■ ■ D2 -Z –	
	15	114	91.93	5030	1.7	16	2KJ3642- ■ CC23- ■ ■ C2 -Z –	
	17	100	80.6	4890	1.9	16	2KJ3642- ■ CC23- ■ ■ B2 -Z –	
	19	91	73.12	4780	2.1	16	2KJ3642- ■ CC23- ■ ■ A2 -Z –	
	20	86	68.82	4710	2.3	16	2KJ3642- ■ CC23- ■ ■ X1 -Z –	
	23	76	60.67	4570	2.4	16	2KJ3642- ■ CC23- ■ ■ W1 -Z –	
	C.29-LE71ZMK4P							
	13	134	105	4010	0.82	10	2KJ3601- ■ CC23- ■ ■ D2 -Z –	
	15	118	91.93	4090	0.93	10	2KJ3601- ■ CC23- ■ ■ C2 -Z –	
	17	104	80.6	4160	1.1	10	2KJ3601- ■ CC23- ■ ■ B2 -Z –	
19	94	73.12	4210	1.2	10	2KJ3601- ■ CC23- ■ ■ A2 -Z –		
20	89	68.82	4230	1.2	10	2KJ3601- ■ CC23- ■ ■ X1 -Z –		
23	78	60.67	4290	1.4	10	2KJ3601- ■ CC23- ■ ■ W1 -Z –		
26	68	52.65	4340	1.6	10	2KJ3601- ■ CC23- ■ ■ V1 -Z –		
28	75	49.87	4300	1.4	10	2KJ3601- ■ CC23- ■ ■ U1 -Z –		
32	65	43.27	4360	1.6	10	2KJ3601- ■ CC23- ■ ■ T1 -Z –		

Article No. supplement

Shaft design	1 or 9	see page 10/51
Frequency and voltage	2 or 9	see page 11/2
Gearbox mounting type	A, F, H or D	see page 10/42

SIMOGEAR geared motors

Helical worm geared motors

Geared motors up to 7.5 kW

Selection and ordering data

P_N kW	n_2 rpm	T_2 Nm	i –	F_{R2} N	f_B –	m kg	Article No. (Article No. supplement, see below)	Additional identification code -Z with order code No. of poles
0.25	C.29-LE71ZMK4P							
	35	60	39.33	4380	1.7	10	2KJ3601- ■ CC23- ■ ■ S1 -Z –	
	41	52	33.73	4420	2	10	2KJ3601- ■ CC23- ■ ■ R1 -Z –	
	43	50	32.64	4430	1.8	10	2KJ3601- ■ CC23- ■ ■ Q1 -Z –	
	49	44	28.32	4460	2.1	10	2KJ3601- ■ CC23- ■ ■ P1 -Z –	
	54	40	25.75	4480	2.3	10	2KJ3601- ■ CC23- ■ ■ N1 -Z –	
	63	34	22.08	4500	2.6	10	2KJ3601- ■ CC23- ■ ■ M1 -Z –	
	70	31	20.07	4500	2.9	10	2KJ3601- ■ CC23- ■ ■ L1 -Z –	
	79	28	17.6	4500	3.3	10	2KJ3601- ■ CC23- ■ ■ K1 -Z –	
	89	25	15.71	4500	3.7	10	2KJ3601- ■ CC23- ■ ■ J1 -Z –	
	100	22	14	4500	4.2	10	2KJ3601- ■ CC23- ■ ■ H1 -Z –	
108	20	12.92	4500	4.6	10	2KJ3601- ■ CC23- ■ ■ G1 -Z –		
0.37	C.89-LE80MK6P							
	2.5	945	363	16300	1.5	55	2KJ3605- ■ DE23- ■ ■ N2 -Z P01	
	2.8	870	329.73	16300	1.7	55	2KJ3605- ■ DE23- ■ ■ M2 -Z P01	
	3.1	790	295.75	16300	1.8	55	2KJ3605- ■ DE23- ■ ■ L2 -Z P01	
	3.5	720	265.91	16300	2	55	2KJ3605- ■ DE23- ■ ■ K2 -Z P01	
	C.69-LE80MK6P							
	2.9	790	319.8	10300	0.85	36	2KJ3604- ■ DE23- ■ ■ L2 -Z P01	
	3.3	710	280.8	10500	0.94	36	2KJ3604- ■ DE23- ■ ■ K2 -Z P01	
	3.6	660	255.27	10600	1	36	2KJ3604- ■ DE23- ■ ■ J2 -Z P01	
	C.69-LE71YMS4P							
	3.8	630	360	10700	1.1	32	2KJ3604- ■ CE23- ■ ■ M2 -Z –	
	4.3	570	319.8	10900	1.2	32	2KJ3604- ■ CE23- ■ ■ L2 -Z –	
	4.9	510	280.8	11000	1.3	32	2KJ3604- ■ CE23- ■ ■ K2 -Z –	
	5.4	465	255.27	11100	1.4	32	2KJ3604- ■ CE23- ■ ■ J2 -Z –	
	6.3	405	218.4	11200	1.7	32	2KJ3604- ■ CE23- ■ ■ H2 -Z –	
	7	370	198.55	11300	1.8	32	2KJ3604- ■ CE23- ■ ■ G2 -Z –	
	7.9	330	175.5	11400	2	32	2KJ3604- ■ CE23- ■ ■ F2 -Z –	
	C.49-LE71YMS4P							
	6	410	230.1	8240	0.85	23	2KJ3603- ■ CE23- ■ ■ L2 -Z –	
6.6	380	209.18	8330	0.94	23	2KJ3603- ■ CE23- ■ ■ K2 -Z –		
7.7	330	179.4	8470	1.1	23	2KJ3603- ■ CE23- ■ ■ J2 -Z –		
8.5	300	163.09	8490	1.2	23	2KJ3603- ■ CE23- ■ ■ H2 -Z –		
9.7	265	143	8280	1.3	23	2KJ3603- ■ CE23- ■ ■ G2 -Z –		
11	235	127.64	8100	1.5	23	2KJ3603- ■ CE23- ■ ■ F2 -Z –		
12	210	113.75	7910	1.7	23	2KJ3603- ■ CE23- ■ ■ E2 -Z –		
13	198	105	7740	1.8	23	2KJ3603- ■ CE23- ■ ■ D2 -Z –		
15	174	91.93	7510	2	23	2KJ3603- ■ CE23- ■ ■ C2 -Z –		
17	153	80.6	7280	2.2	23	2KJ3603- ■ CE23- ■ ■ B2 -Z –		
19	138	73.12	7120	2.3	23	2KJ3603- ■ CE23- ■ ■ A2 -Z –		
C.39A-LE71YMS4P								
11	235	127.64	4760	0.83	17	2KJ3642- ■ CE23- ■ ■ F2 -Z –		
12	210	113.75	4710	0.92	17	2KJ3642- ■ CE23- ■ ■ E2 -Z –		
13	194	105	4670	1	17	2KJ3642- ■ CE23- ■ ■ D2 -Z –		
15	171	91.93	4590	1.1	17	2KJ3642- ■ CE23- ■ ■ C2 -Z –		
17	150	80.6	4500	1.3	17	2KJ3642- ■ CE23- ■ ■ B2 -Z –		
19	136	73.12	4430	1.4	17	2KJ3642- ■ CE23- ■ ■ A2 -Z –		
20	128	68.82	4390	1.5	17	2KJ3642- ■ CE23- ■ ■ X1 -Z –		
23	113	60.67	4290	1.6	17	2KJ3642- ■ CE23- ■ ■ W1 -Z –		
26	98	52.65	4170	1.8	17	2KJ3642- ■ CE23- ■ ■ V1 -Z –		
28	113	49.87	3740	1.7	17	2KJ3642- ■ CE23- ■ ■ U1 -Z –		

Article No. supplement

Shaft design	1 or 9	see page 10/51
Frequency and voltage	2 or 9	see page 11/2
Gearbox mounting type	A, F, H or D	see page 10/42

Selection and ordering data

P_N kW	n_2 rpm	T_2 Nm	i –	F_{R2} N	f_B –	m kg	Article No. (Article No. supplement, see below)	Additional identification code -Z with order code No. of poles
0.37	C.39A-LE71YMS4P							
	32	98	43.27	3670	2	17	2KJ3642- ■ CE23- ■ ■ T1 -Z –	
	35	89	39.33	3610	2.2	17	2KJ3642- ■ CE23- ■ ■ S1 -Z –	
	41	77	33.73	3510	2.6	17	2KJ3642- ■ CE23- ■ ■ R1 -Z –	
	C.29-LE71YMS4P							
	20	133	68.82	4010	0.83	12	2KJ3601- ■ CE23- ■ ■ X1 -Z –	
	23	117	60.67	4090	0.94	12	2KJ3601- ■ CE23- ■ ■ W1 -Z –	
	26	102	52.65	4170	1.1	12	2KJ3601- ■ CE23- ■ ■ V1 -Z –	
	28	112	49.87	4120	0.91	12	2KJ3601- ■ CE23- ■ ■ U1 -Z –	
	32	98	43.27	4190	1.1	12	2KJ3601- ■ CE23- ■ ■ T1 -Z –	
	35	89	39.33	4230	1.2	12	2KJ3601- ■ CE23- ■ ■ S1 -Z –	
	41	77	33.73	4290	1.4	12	2KJ3601- ■ CE23- ■ ■ R1 -Z –	
	42	75	32.64	4300	1.2	12	2KJ3601- ■ CE23- ■ ■ Q1 -Z –	
	49	66	28.32	4350	1.4	12	2KJ3601- ■ CE23- ■ ■ P1 -Z –	
	54	60	25.75	4380	1.5	12	2KJ3601- ■ CE23- ■ ■ N1 -Z –	
	63	51	22.08	4430	1.8	12	2KJ3601- ■ CE23- ■ ■ M1 -Z –	
	69	47	20.07	4450	1.9	12	2KJ3601- ■ CE23- ■ ■ L1 -Z –	
	78	41	17.6	4480	2.2	12	2KJ3601- ■ CE23- ■ ■ K1 -Z –	
	88	37	15.71	4500	2.5	12	2KJ3601- ■ CE23- ■ ■ J1 -Z –	
	99	33	14	4500	2.8	12	2KJ3601- ■ CE23- ■ ■ H1 -Z –	
107	30	12.92	4440	3.1	12	2KJ3601- ■ CE23- ■ ■ G1 -Z –		
122	27	11.31	4270	3.5	12	2KJ3601- ■ CE23- ■ ■ F1 -Z –		
139	23	9.92	4130	4	12	2KJ3601- ■ CE23- ■ ■ E1 -Z –		
153	21	9	4010	4.4	12	2KJ3601- ■ CE23- ■ ■ D1 -Z –		
163	20	8.47	3940	4.6	12	2KJ3601- ■ CE23- ■ ■ C1 -Z –		
185	18	7.47	3800	5	12	2KJ3601- ■ CE23- ■ ■ B1 -Z –		
0.55	C.89-LE80ZMQ6P							
	2.6	1390	363	16300	1	55	2KJ3605- ■ DF23- ■ ■ N2 -Z P01	
	2.8	1280	329.73	16300	1.1	55	2KJ3605- ■ DF23- ■ ■ M2 -Z P01	
	3.2	1160	295.75	16300	1.2	55	2KJ3605- ■ DF23- ■ ■ L2 -Z P01	
	3.5	1060	265.91	16300	1.4	55	2KJ3605- ■ DF23- ■ ■ K2 -Z P01	
	C.89-LE80MH4P							
	4	950	363	16300	1.5	56	2KJ3605- ■ DC23- ■ ■ N2 -Z –	
	4.4	870	329.73	16300	1.7	56	2KJ3605- ■ DC23- ■ ■ M2 -Z –	
	4.9	780	295.75	16300	1.8	56	2KJ3605- ■ DC23- ■ ■ L2 -Z –	
	5.4	705	265.91	16300	2	56	2KJ3605- ■ DC23- ■ ■ K2 -Z –	
	C.69-LE80MH4P							
	4.5	815	319.8	10300	0.82	37	2KJ3604- ■ DC23- ■ ■ L2 -Z –	
	5.1	725	280.8	10500	0.93	37	2KJ3604- ■ DC23- ■ ■ K2 -Z –	
	5.6	665	255.27	10600	1	37	2KJ3604- ■ DC23- ■ ■ J2 -Z –	
	6.6	580	218.4	10800	1.2	37	2KJ3604- ■ DC23- ■ ■ H2 -Z –	
	7.3	530	198.55	11000	1.3	37	2KJ3604- ■ DC23- ■ ■ G2 -Z –	
	8.2	470	175.5	11100	1.4	37	2KJ3604- ■ DC23- ■ ■ F2 -Z –	
	9	430	159.55	11200	1.5	37	2KJ3604- ■ DC23- ■ ■ E2 -Z –	
	10	375	139.75	11300	1.6	37	2KJ3604- ■ DC23- ■ ■ D2 -Z –	
	11	345	129	11400	1.6	37	2KJ3604- ■ DC23- ■ ■ C2 -Z –	
13	305	114.21	11200	1.7	37	2KJ3604- ■ DC23- ■ ■ B2 -Z –		
14	320	102.5	10500	2.1	37	2KJ3604- ■ DC23- ■ ■ A2 -Z –		
C.49-LE80MH4P								
8.8	430	163.09	7460	0.82	28	2KJ3603- ■ DC23- ■ ■ H2 -Z –		
10	380	143	7360	0.93	28	2KJ3603- ■ DC23- ■ ■ G2 -Z –		
11	340	127.64	7260	1	28	2KJ3603- ■ DC23- ■ ■ F2 -Z –		

Article No. supplement

Shaft design	1 or 9	see page 10/51
Frequency and voltage	2 or 9	see page 11/2
Gearbox mounting type	A, F, H or D	see page 10/42

SIMOGEAR geared motors

Helical worm geared motors

Geared motors up to 7.5 kW

Selection and ordering data

P_N kW	n_2 rpm	T_2 Nm	i –	F_{R2} N	f_B –	m kg	Article No. (Article No. supplement, see below)	Additional identification code -Z with order code No. of poles
0.55	C.49-LE80MH4P							
	13	305	113.75	7130	1.2	28	2KJ3603- ■ DC23- ■ ■ E2 -Z	–
	14	280	105	7060	1.3	28	2KJ3603- ■ DC23- ■ ■ D2 -Z	–
	16	245	91.93	6910	1.4	28	2KJ3603- ■ DC23- ■ ■ C2 -Z	–
	18	215	80.6	6740	1.5	28	2KJ3603- ■ DC23- ■ ■ B2 -Z	–
	20	197	73.12	6600	1.6	28	2KJ3603- ■ DC23- ■ ■ A2 -Z	–
	21	185	68.82	6530	1.6	28	2KJ3603- ■ DC23- ■ ■ X1 -Z	–
	24	163	60.67	6350	1.7	28	2KJ3603- ■ DC23- ■ ■ W1 -Z	–
	27	142	52.65	6150	1.9	28	2KJ3603- ■ DC23- ■ ■ V1 -Z	–
	29	162	49.87	5620	2	28	2KJ3603- ■ DC23- ■ ■ U1 -Z	–
33	141	43.27	5470	2.5	28	2KJ3603- ■ DC23- ■ ■ T1 -Z	–	
0.75	C.39A-LE80MH4P							
	16	240	91.93	3940	0.8	22	2KJ3642- ■ DC23- ■ ■ C2 -Z	–
	18	210	80.6	3930	0.91	22	2KJ3642- ■ DC23- ■ ■ B2 -Z	–
	20	194	73.12	3880	1	22	2KJ3642- ■ DC23- ■ ■ A2 -Z	–
	21	183	68.82	3860	1.1	22	2KJ3642- ■ DC23- ■ ■ X1 -Z	–
	24	161	60.67	3820	1.1	22	2KJ3642- ■ DC23- ■ ■ W1 -Z	–
	27	140	52.65	3750	1.2	22	2KJ3642- ■ DC23- ■ ■ V1 -Z	–
	29	162	49.87	3180	1.2	22	2KJ3642- ■ DC23- ■ ■ U1 -Z	–
	33	140	43.27	3170	1.4	22	2KJ3642- ■ DC23- ■ ■ T1 -Z	–
	37	127	39.33	3160	1.6	22	2KJ3642- ■ DC23- ■ ■ S1 -Z	–
	43	109	33.73	3120	1.8	22	2KJ3642- ■ DC23- ■ ■ R1 -Z	–
	44	108	32.64	2970	2	22	2KJ3642- ■ DC23- ■ ■ Q1 -Z	–
	51	94	28.32	2930	2.5	22	2KJ3642- ■ DC23- ■ ■ P1 -Z	–
56	86	25.75	2900	2.7	22	2KJ3642- ■ DC23- ■ ■ N1 -Z	–	
0.75	C.29-LE80MH4P							
	37	127	39.33	4040	0.81	16	2KJ3601- ■ DC23- ■ ■ S1 -Z	–
	43	110	33.73	4130	0.95	16	2KJ3601- ■ DC23- ■ ■ R1 -Z	–
	44	107	32.64	4140	0.84	16	2KJ3601- ■ DC23- ■ ■ Q1 -Z	–
	51	93	28.32	4210	0.96	16	2KJ3601- ■ DC23- ■ ■ P1 -Z	–
	56	85	25.75	4250	1.1	16	2KJ3601- ■ DC23- ■ ■ N1 -Z	–
	65	73	22.08	4310	1.2	16	2KJ3601- ■ DC23- ■ ■ M1 -Z	–
	72	67	20.07	4350	1.4	16	2KJ3601- ■ DC23- ■ ■ L1 -Z	–
	82	59	17.6	4390	1.6	16	2KJ3601- ■ DC23- ■ ■ K1 -Z	–
	92	52	15.71	4370	1.8	16	2KJ3601- ■ DC23- ■ ■ J1 -Z	–
	103	47	14	4250	2	16	2KJ3601- ■ DC23- ■ ■ H1 -Z	–
	111	43	12.92	4180	2.2	16	2KJ3601- ■ DC23- ■ ■ G1 -Z	–
	127	38	11.31	4040	2.5	16	2KJ3601- ■ DC23- ■ ■ F1 -Z	–
	145	33	9.92	3920	2.8	16	2KJ3601- ■ DC23- ■ ■ E1 -Z	–
	160	30	9	3820	3	16	2KJ3601- ■ DC23- ■ ■ D1 -Z	–
	170	28	8.47	3770	3.2	16	2KJ3601- ■ DC23- ■ ■ C1 -Z	–
193	25	7.47	3640	3.4	16	2KJ3601- ■ DC23- ■ ■ B1 -Z	–	
222	22	6.48	3490	3.8	16	2KJ3601- ■ DC23- ■ ■ A1 -Z	–	
0.75	C.89-LE90SQ6P							
	2.9	1730	329.73	15800	0.84	58	2KJ3605- ■ EC23- ■ ■ M2 -Z	P01
	3.2	1570	295.75	16000	0.92	58	2KJ3605- ■ EC23- ■ ■ L2 -Z	P01
	3.6	1430	265.91	16300	1	58	2KJ3605- ■ EC23- ■ ■ K2 -Z	P01
	C.89-LE80ZMQ4P							
	4	1290	363	16300	1.1	55	2KJ3605- ■ DF23- ■ ■ N2 -Z	–
4.4	1170	329.73	16300	1.2	55	2KJ3605- ■ DF23- ■ ■ M2 -Z	–	
4.9	1060	295.75	16300	1.4	55	2KJ3605- ■ DF23- ■ ■ L2 -Z	–	

Article No. supplement

Shaft design	1 or 9	see page 10/51
Frequency and voltage	2 or 9	see page 11/2
Gearbox mounting type	A, F, H or D	see page 10/42

SIMOGEAR geared motors

Helical worm geared motors

Geared motors up to 7.5 kW

Selection and ordering data

P_N kW	n_2 rpm	T_2 Nm	i –	F_{R2} N	f_B –	m kg	Article No. (Article No. supplement, see below)	Additional identification code -Z with order code No. of poles
0.75	C.89-LE80ZMQ4P							
	5.5	960	265.91	16300	1.5	55	2KJ3605- ■ DF23- ■ ■ K2 -Z -	
	6	870	240.5	16300	1.7	55	2KJ3605- ■ DF23- ■ ■ J2 -Z -	
	6.5	805	222	16300	1.8	55	2KJ3605- ■ DF23- ■ ■ H2 -Z -	
	7.1	735	203.36	16300	2	55	2KJ3605- ■ DF23- ■ ■ G2 -Z -	
	C.69-LE80ZMQ4P							
	6.6	785	218.4	10400	0.86	36	2KJ3604- ■ DF23- ■ ■ H2 -Z -	
	7.3	720	198.55	10500	0.94	36	2KJ3604- ■ DF23- ■ ■ G2 -Z -	
	8.3	640	175.5	10700	1	36	2KJ3604- ■ DF23- ■ ■ F2 -Z -	
	9.1	580	159.55	10800	1.1	36	2KJ3604- ■ DF23- ■ ■ E2 -Z -	
	10	510	139.75	11000	1.2	36	2KJ3604- ■ DF23- ■ ■ D2 -Z -	
	11	470	129	10800	1.2	36	2KJ3604- ■ DF23- ■ ■ C2 -Z -	
	13	415	114.21	10600	1.3	36	2KJ3604- ■ DF23- ■ ■ B2 -Z -	
	14	435	102.5	9790	1.5	36	2KJ3604- ■ DF23- ■ ■ A2 -Z -	
	16	385	90	9560	1.8	36	2KJ3604- ■ DF23- ■ ■ X1 -Z -	
	18	350	81.82	9400	1.9	36	2KJ3604- ■ DF23- ■ ■ W1 -Z -	
	21	300	70	9120	2.2	36	2KJ3604- ■ DF23- ■ ■ V1 -Z -	
	23	270	63.64	8960	2.3	36	2KJ3604- ■ DF23- ■ ■ U1 -Z -	
	C.49-LE80ZMQ4P							
	13	410	113.75	6400	0.86	27	2KJ3603- ■ DF23- ■ ■ E2 -Z -	
	14	380	105	6360	0.93	27	2KJ3603- ■ DF23- ■ ■ D2 -Z -	
	16	335	91.93	6280	1	27	2KJ3603- ■ DF23- ■ ■ C2 -Z -	
	18	290	80.6	6220	1.1	27	2KJ3603- ■ DF23- ■ ■ B2 -Z -	
	20	265	73.12	6130	1.2	27	2KJ3603- ■ DF23- ■ ■ A2 -Z -	
	21	250	68.82	6070	1.2	27	2KJ3603- ■ DF23- ■ ■ X1 -Z -	
	24	220	60.67	5950	1.3	27	2KJ3603- ■ DF23- ■ ■ W1 -Z -	
	28	192	52.65	5800	1.4	27	2KJ3603- ■ DF23- ■ ■ V1 -Z -	
	29	220	49.87	5110	1.5	27	2KJ3603- ■ DF23- ■ ■ U1 -Z -	
	34	191	43.27	5040	1.8	27	2KJ3603- ■ DF23- ■ ■ T1 -Z -	
	37	174	39.33	4970	2.3	27	2KJ3603- ■ DF23- ■ ■ S1 -Z -	
	43	149	33.73	4860	2.5	27	2KJ3603- ■ DF23- ■ ■ R1 -Z -	
	47	136	30.67	4780	2.8	27	2KJ3603- ■ DF23- ■ ■ Q1 -Z -	
	C.39A-LE80ZMQ4P							
	24	215	60.67	3370	0.84	21	2KJ3642- ■ DF23- ■ ■ W1 -Z -	
	28	189	52.65	3340	0.9	21	2KJ3642- ■ DF23- ■ ■ V1 -Z -	
	29	215	49.87	2630	0.91	21	2KJ3642- ■ DF23- ■ ■ U1 -Z -	
	34	190	43.27	2660	1	21	2KJ3642- ■ DF23- ■ ■ T1 -Z -	
	37	172	39.33	2700	1.2	21	2KJ3642- ■ DF23- ■ ■ S1 -Z -	
	43	148	33.73	2720	1.4	21	2KJ3642- ■ DF23- ■ ■ R1 -Z -	
	44	147	32.64	2520	1.5	21	2KJ3642- ■ DF23- ■ ■ Q1 -Z -	
	51	128	28.32	2540	1.8	21	2KJ3642- ■ DF23- ■ ■ P1 -Z -	
	56	116	25.75	2550	2	21	2KJ3642- ■ DF23- ■ ■ N1 -Z -	
66	100	22.08	2540	2.4	21	2KJ3642- ■ DF23- ■ ■ M1 -Z -		
72	91	20.07	2530	2.6	21	2KJ3642- ■ DF23- ■ ■ L1 -Z -		
82	80	17.6	2500	2.8	21	2KJ3642- ■ DF23- ■ ■ K1 -Z -		
92	71	15.71	2470	3	21	2KJ3642- ■ DF23- ■ ■ J1 -Z -		
104	63	14	2440	3.2	21	2KJ3642- ■ DF23- ■ ■ H1 -Z -		
112	58	12.92	2410	3.4	21	2KJ3642- ■ DF23- ■ ■ G1 -Z -		
128	51	11.31	2360	3.7	21	2KJ3642- ■ DF23- ■ ■ F1 -Z -		
146	45	9.92	2300	4	21	2KJ3642- ■ DF23- ■ ■ E1 -Z -		

Article No. supplement

Shaft design	1 or 9	see page 10/51
Frequency and voltage	2 or 9	see page 11/2
Gearbox mounting type	A, F, H or D	see page 10/42

SIMOGEAR geared motors

Helical worm geared motors

Geared motors up to 7.5 kW

Selection and ordering data

P_N kW	n_2 rpm	T_2 Nm	i –	F_{R2} N	f_B –	m kg	Article No. (Article No. supplement, see below)	Additional identification code -Z with order code No. of poles
0.75	C.29-LE80ZMQ4P							
	66	99	22.08	4180	0.92	15	2KJ3601- ■ DF23- ■ ■ M1 -Z –	
	72	91	20.07	4220	1	15	2KJ3601- ■ DF23- ■ ■ L1 -Z –	
	82	80	17.6	4150	1.2	15	2KJ3601- ■ DF23- ■ ■ K1 -Z –	
	92	71	15.71	4080	1.3	15	2KJ3601- ■ DF23- ■ ■ J1 -Z –	
	104	63	14	4010	1.5	15	2KJ3601- ■ DF23- ■ ■ H1 -Z –	
	112	58	12.92	3950	1.6	15	2KJ3601- ■ DF23- ■ ■ G1 -Z –	
	128	51	11.31	3840	1.8	15	2KJ3601- ■ DF23- ■ ■ F1 -Z –	
	146	45	9.92	3730	2.1	15	2KJ3601- ■ DF23- ■ ■ E1 -Z –	
	161	41	9	3650	2.2	15	2KJ3601- ■ DF23- ■ ■ D1 -Z –	
	171	38	8.47	3610	2.3	15	2KJ3601- ■ DF23- ■ ■ C1 -Z –	
	194	34	7.47	3500	2.5	15	2KJ3601- ■ DF23- ■ ■ B1 -Z –	
	224	29	6.48	3380	2.8	15	2KJ3601- ■ DF23- ■ ■ A1 -Z –	
1.1	C.89-LE90SM4P							
	4.4	1740	329.73	15800	0.83	58	2KJ3605- ■ EK23- ■ ■ M2 -Z –	
	4.9	1560	295.75	16100	0.92	58	2KJ3605- ■ EK23- ■ ■ L2 -Z –	
	5.4	1410	265.91	16300	1	58	2KJ3605- ■ EK23- ■ ■ K2 -Z –	
	6	1280	240.5	16300	1.1	58	2KJ3605- ■ EK23- ■ ■ J2 -Z –	
	6.5	1180	222	16300	1.2	58	2KJ3605- ■ EK23- ■ ■ H2 -Z –	
	7.1	1090	203.36	16300	1.3	58	2KJ3605- ■ EK23- ■ ■ G2 -Z –	
	8.4	915	170.62	16300	1.5	58	2KJ3605- ■ EK23- ■ ■ F2 -Z –	
	9	860	160.59	16300	1.5	58	2KJ3605- ■ EK23- ■ ■ E2 -Z –	
	9.8	790	147.33	16300	1.6	58	2KJ3605- ■ EK23- ■ ■ D2 -Z –	
	11	690	128.7	16300	1.7	58	2KJ3605- ■ EK23- ■ ■ C2 -Z –	
	12	615	115.23	16300	1.8	58	2KJ3605- ■ EK23- ■ ■ B2 -Z –	
	14	540	100.75	16300	2	58	2KJ3605- ■ EK23- ■ ■ A2 -Z –	
	17	460	86.48	16300	2.1	58	2KJ3605- ■ EK23- ■ ■ X1 -Z –	
	19	410	76.44	16300	2.3	58	2KJ3605- ■ EK23- ■ ■ W1 -Z –	
	C.69-LE90SM4P							
	11	695	129	9720	0.82	36	2KJ3604- ■ EK23- ■ ■ C2 -Z –	
	13	615	114.21	9620	0.87	36	2KJ3604- ■ EK23- ■ ■ B2 -Z –	
	14	645	102.5	8550	1	36	2KJ3604- ■ EK23- ■ ■ A2 -Z –	
16	565	90	8500	1.2	36	2KJ3604- ■ EK23- ■ ■ X1 -Z –		
18	515	81.82	8430	1.3	36	2KJ3604- ■ EK23- ■ ■ W1 -Z –		
21	440	70	8300	1.5	36	2KJ3604- ■ EK23- ■ ■ V1 -Z –		
23	405	63.64	8170	1.6	36	2KJ3604- ■ EK23- ■ ■ U1 -Z –		
26	355	56.25	8040	1.7	36	2KJ3604- ■ EK23- ■ ■ T1 -Z –		
28	325	51.14	7910	1.8	36	2KJ3604- ■ EK23- ■ ■ S1 -Z –		
32	285	44.79	7720	1.9	36	2KJ3604- ■ EK23- ■ ■ R1 -Z –		
35	260	41.35	7620	2	36	2KJ3604- ■ EK23- ■ ■ Q1 -Z –		
39	230	36.61	7440	2.1	36	2KJ3604- ■ EK23- ■ ■ P1 -Z –		
48	198	30	6930	2.8	36	2KJ3604- ■ EK23- ■ ■ N1 -Z –		
91	106	15.88	5890	3.4	36	2KJ3604- ■ EK23- ■ ■ H1 -Z –		
C.49-LE90SM4P								
20	390	73.12	5300	0.8	27	2KJ3603- ■ EK23- ■ ■ A2 -Z –		
21	370	68.82	5280	0.82	27	2KJ3603- ■ EK23- ■ ■ X1 -Z –		
24	325	60.67	5260	0.87	27	2KJ3603- ■ EK23- ■ ■ W1 -Z –		
27	280	52.65	5220	0.95	27	2KJ3603- ■ EK23- ■ ■ V1 -Z –		
29	320	49.87	4280	0.99	27	2KJ3603- ■ EK23- ■ ■ U1 -Z –		
33	280	43.27	4300	1.2	27	2KJ3603- ■ EK23- ■ ■ T1 -Z –		
37	255	39.33	4300	1.6	27	2KJ3603- ■ EK23- ■ ■ S1 -Z –		

Article No. supplement

Shaft design	1 or 9	see page 10/51
Frequency and voltage	2 or 9	see page 11/2
Gearbox mounting type	A, F, H or D	see page 10/42

Selection and ordering data

P_N kW	n_2 rpm	T_2 Nm	i –	F_{R2} N	f_B –	m kg	Article No. (Article No. supplement, see below)	Additional identification code -Z with order code No. of poles	
1.1	C.49-LE90SM4P								
	43	220	33.73	4270	1.7	27	2KJ3603- ■ EK23- ■ ■ R1 -Z –		
	47	200	30.67	4250	1.9	27	2KJ3603- ■ EK23- ■ ■ Q1 -Z –		
	54	176	26.89	4200	2.1	27	2KJ3603- ■ EK23- ■ ■ P1 -Z –		
	60	157	24	4150	2.2	27	2KJ3603- ■ EK23- ■ ■ N1 -Z –		
	67	140	21.39	4090	2.4	27	2KJ3603- ■ EK23- ■ ■ M1 -Z –		
	73	129	19.74	4040	2.5	27	2KJ3603- ■ EK23- ■ ■ L1 -Z –		
	83	113	17.29	3950	2.7	27	2KJ3603- ■ EK23- ■ ■ K1 -Z –		
	95	99	15.16	3860	2.9	27	2KJ3603- ■ EK23- ■ ■ J1 -Z –		
	105	90	13.75	3790	3.1	27	2KJ3603- ■ EK23- ■ ■ H1 -Z –		
	111	84	12.94	3750	3.2	27	2KJ3603- ■ EK23- ■ ■ G1 -Z –		
	126	74	11.41	3650	3.4	27	2KJ3603- ■ EK23- ■ ■ F1 -Z –		
	145	65	9.9	3520	3.8	27	2KJ3603- ■ EK23- ■ ■ E1 -Z –		
		C.39A-LE90SM4P							
		43	215	33.73	2050	0.92	23	2KJ3642- ■ EK23- ■ ■ R1 -Z –	
44		215	32.64	1260	0.99	23	2KJ3642- ■ EK23- ■ ■ Q1 -Z –		
51		189	28.32	1560	1.2	23	2KJ3642- ■ EK23- ■ ■ P1 -Z –		
56		171	25.75	1800	1.4	23	2KJ3642- ■ EK23- ■ ■ N1 -Z –		
65		147	22.08	2020	1.6	23	2KJ3642- ■ EK23- ■ ■ M1 -Z –		
72		134	20.07	2050	1.8	23	2KJ3642- ■ EK23- ■ ■ L1 -Z –		
82		118	17.6	2080	1.9	23	2KJ3642- ■ EK23- ■ ■ K1 -Z –		
92		105	15.71	2100	2.1	23	2KJ3642- ■ EK23- ■ ■ J1 -Z –		
103		93	14	2110	2.2	23	2KJ3642- ■ EK23- ■ ■ H1 -Z –		
111		86	12.92	2100	2.3	23	2KJ3642- ■ EK23- ■ ■ G1 -Z –		
127		76	11.31	2080	2.5	23	2KJ3642- ■ EK23- ■ ■ F1 -Z –		
145		66	9.92	2070	2.7	23	2KJ3642- ■ EK23- ■ ■ E1 -Z –		
160		60	9	2050	2.9	23	2KJ3642- ■ EK23- ■ ■ D1 -Z –		
170		56	8.47	2040	3	23	2KJ3642- ■ EK23- ■ ■ C1 -Z –		
193	50	7.47	1990	3.3	23	2KJ3642- ■ EK23- ■ ■ B1 -Z –			
222	43	6.48	1950	3.6	23	2KJ3642- ■ EK23- ■ ■ A1 -Z –			
	C.29-LE90SM4P								
	92	105	15.71	3600	0.88	17	2KJ3601- ■ EK23- ■ ■ J1 -Z –		
	103	94	14	3570	0.99	17	2KJ3601- ■ EK23- ■ ■ H1 -Z –		
	111	86	12.92	3560	1.1	17	2KJ3601- ■ EK23- ■ ■ G1 -Z –		
	127	76	11.31	3490	1.2	17	2KJ3601- ■ EK23- ■ ■ F1 -Z –		
	145	66	9.92	3440	1.4	17	2KJ3601- ■ EK23- ■ ■ E1 -Z –		
	160	60	9	3390	1.5	17	2KJ3601- ■ EK23- ■ ■ D1 -Z –		
	170	57	8.47	3340	1.6	17	2KJ3601- ■ EK23- ■ ■ C1 -Z –		
	193	50	7.47	3270	1.7	17	2KJ3601- ■ EK23- ■ ■ B1 -Z –		
	222	43	6.48	3190	1.9	17	2KJ3601- ■ EK23- ■ ■ A1 -Z –		
1.5	C.89-LE90ZLR4P								
	6	1740	240.5	15800	0.83	61	2KJ3605- ■ EM23- ■ ■ J2 -Z –		
	6.5	1610	222	16000	0.9	61	2KJ3605- ■ EM23- ■ ■ H2 -Z –		
	7.1	1480	203.36	16200	0.98	61	2KJ3605- ■ EM23- ■ ■ G2 -Z –		
	8.5	1240	170.62	16300	1.1	61	2KJ3605- ■ EM23- ■ ■ F2 -Z –		
	9	1170	160.59	16300	1.1	61	2KJ3605- ■ EM23- ■ ■ E2 -Z –		
	9.8	1070	147.33	16300	1.2	61	2KJ3605- ■ EM23- ■ ■ D2 -Z –		
	11	935	128.7	16300	1.3	61	2KJ3605- ■ EM23- ■ ■ C2 -Z –		
	13	840	115.23	16300	1.3	61	2KJ3605- ■ EM23- ■ ■ B2 -Z –		
	14	735	100.75	16300	1.4	61	2KJ3605- ■ EM23- ■ ■ A2 -Z –		
	17	630	86.48	16200	1.6	61	2KJ3605- ■ EM23- ■ ■ X1 -Z –		
	19	555	76.44	15800	1.7	61	2KJ3605- ■ EM23- ■ ■ W1 -Z –		

Article No. supplement

Shaft design	1 or 9	see page 10/51
Frequency and voltage	2 or 9	see page 11/2
Gearbox mounting type	A, F, H or D	see page 10/42

SIMOGEAR geared motors

Helical worm geared motors

Geared motors up to 7.5 kW

Selection and ordering data

P_N kW	n_2 rpm	T_2 Nm	i –	F_{R2} N	f_B –	m kg	Article No. (Article No. supplement, see below)	Additional identification code -Z with order code No. of poles
1.5	C.69-LE90ZLR4P							
	16	770	90	7250	0.87	39	2KJ3604- ■ EM23- ■ ■ X1 -Z –	
	18	700	81.82	7300	0.96	39	2KJ3604- ■ EM23- ■ ■ W1 -Z –	
	21	600	70	7320	1.1	39	2KJ3604- ■ EM23- ■ ■ V1 -Z –	
	23	550	63.64	7280	1.2	39	2KJ3604- ■ EM23- ■ ■ U1 -Z –	
	26	485	56.25	7250	1.3	39	2KJ3604- ■ EM23- ■ ■ T1 -Z –	
	28	440	51.14	7200	1.3	39	2KJ3604- ■ EM23- ■ ■ S1 -Z –	
	32	385	44.79	7110	1.4	39	2KJ3604- ■ EM23- ■ ■ R1 -Z –	
	35	355	41.35	7040	1.5	39	2KJ3604- ■ EM23- ■ ■ Q1 -Z –	
	39	315	36.61	6920	1.6	39	2KJ3604- ■ EM23- ■ ■ P1 -Z –	
	48	265	30	6470	2	39	2KJ3604- ■ EM23- ■ ■ N1 -Z –	
	55	235	26.28	6320	2.2	39	2KJ3604- ■ EM23- ■ ■ M1 -Z –	
	60	215	24.26	6240	2.3	39	2KJ3604- ■ EM23- ■ ■ L1 -Z –	
	67	193	21.48	6080	2.5	39	2KJ3604- ■ EM23- ■ ■ K1 -Z –	
	81	160	17.88	5870	2.7	39	2KJ3604- ■ EM23- ■ ■ J1 -Z –	
91	144	15.88	5600	2.5	39	2KJ3604- ■ EM23- ■ ■ H1 -Z –		
103	128	14.06	5450	2.8	39	2KJ3604- ■ EM23- ■ ■ G1 -Z –		
124	106	11.7	5230	3.4	39	2KJ3604- ■ EM23- ■ ■ F1 -Z –		
131	100	11.01	5160	3.6	39	2KJ3604- ■ EM23- ■ ■ E1 -Z –		
146	90	9.87	5020	4	39	2KJ3604- ■ EM23- ■ ■ D1 -Z –		
	C.49-LE90ZLR4P							
	33	380	43.27	3450	0.91	30	2KJ3603- ■ EM23- ■ ■ T1 -Z –	
	37	345	39.33	3530	1.1	30	2KJ3603- ■ EM23- ■ ■ S1 -Z –	
	43	295	33.73	3640	1.3	30	2KJ3603- ■ EM23- ■ ■ R1 -Z –	
	47	270	30.67	3650	1.4	30	2KJ3603- ■ EM23- ■ ■ Q1 -Z –	
	54	235	26.89	3700	1.5	30	2KJ3603- ■ EM23- ■ ■ P1 -Z –	
	60	210	24	3690	1.6	30	2KJ3603- ■ EM23- ■ ■ N1 -Z –	
	68	190	21.39	3660	1.7	30	2KJ3603- ■ EM23- ■ ■ M1 -Z –	
	73	175	19.74	3650	1.8	30	2KJ3603- ■ EM23- ■ ■ L1 -Z –	
	84	153	17.29	3610	2	30	2KJ3603- ■ EM23- ■ ■ K1 -Z –	
	95	135	15.16	3550	2.1	30	2KJ3603- ■ EM23- ■ ■ J1 -Z –	
	105	122	13.75	3510	2.3	30	2KJ3603- ■ EM23- ■ ■ H1 -Z –	
	112	115	12.94	3480	2.4	30	2KJ3603- ■ EM23- ■ ■ G1 -Z –	
	127	101	11.41	3410	2.5	30	2KJ3603- ■ EM23- ■ ■ F1 -Z –	
	146	88	9.9	3330	2.8	30	2KJ3603- ■ EM23- ■ ■ E1 -Z –	
161	82	9	3180	3.1	30	2KJ3603- ■ EM23- ■ ■ D1 -Z –		
171	77	8.47	3150	3.3	30	2KJ3603- ■ EM23- ■ ■ C1 -Z –		
193	68	7.47	3070	3.6	30	2KJ3603- ■ EM23- ■ ■ B1 -Z –		
223	59	6.48	2980	3.9	30	2KJ3603- ■ EM23- ■ ■ A1 -Z –		
	C.39A-LE90ZLR4P							
	51	255	28.32	0	0.92	26	2KJ3642- ■ EM23- ■ ■ P1 -Z –	
	56	230	25.75	315	1	26	2KJ3642- ■ EM23- ■ ■ N1 -Z –	
	65	200	22.08	715	1.2	26	2KJ3642- ■ EM23- ■ ■ M1 -Z –	
	72	182	20.07	960	1.3	26	2KJ3642- ■ EM23- ■ ■ L1 -Z –	
	82	160	17.6	1250	1.4	26	2KJ3642- ■ EM23- ■ ■ K1 -Z –	
	92	142	15.71	1490	1.5	26	2KJ3642- ■ EM23- ■ ■ J1 -Z –	
	103	127	14	1670	1.6	26	2KJ3642- ■ EM23- ■ ■ H1 -Z –	
	112	117	12.92	1750	1.7	26	2KJ3642- ■ EM23- ■ ■ G1 -Z –	
	128	103	11.31	1780	1.9	26	2KJ3642- ■ EM23- ■ ■ F1 -Z –	
	146	90	9.92	1800	2	26	2KJ3642- ■ EM23- ■ ■ E1 -Z –	
	161	82	9	1800	2.1	26	2KJ3642- ■ EM23- ■ ■ D1 -Z –	

Article No. supplement

Shaft design	1 or 9	see page 10/51
Frequency and voltage	2 or 9	see page 11/2
Gearbox mounting type	A, F, H or D	see page 10/42

Selection and ordering data

P_N kW	n_2 rpm	T_2 Nm	i –	F_{R2} N	f_B –	m kg	Article No. (Article No. supplement, see below)	Additional identification code -Z with order code No. of poles
1.5	C.39A-LE90ZLR4P							
	171	77	8.47	1800	2.2	26	2KJ3642- ■ EM23- ■ ■ C1 -Z	–
	193	68	7.47	1790	2.4	26	2KJ3642- ■ EM23- ■ ■ B1 -Z	–
	223	59	6.48	1770	2.6	26	2KJ3642- ■ EM23- ■ ■ A1 -Z	–
	C.29-LE90ZLR4P							
	128	103	11.31	3100	0.91	20	2KJ3601- ■ EM23- ■ ■ F1 -Z	–
	146	90	9.92	3090	1	20	2KJ3601- ■ EM23- ■ ■ E1 -Z	–
	161	82	9	3060	1.1	20	2KJ3601- ■ EM23- ■ ■ D1 -Z	–
	171	77	8.47	3050	1.2	20	2KJ3601- ■ EM23- ■ ■ C1 -Z	–
	193	68	7.47	3010	1.3	20	2KJ3601- ■ EM23- ■ ■ B1 -Z	–
	223	59	6.48	2950	1.4	20	2KJ3601- ■ EM23- ■ ■ A1 -Z	–
	2.2	C.89-LE100ZLSA4P						
9.9		1550	147.33	15800	0.82	77	2KJ3605- ■ FN23- ■ ■ D2 -Z	–
11		1350	128.7	15700	0.87	77	2KJ3605- ■ FN23- ■ ■ C2 -Z	–
13		1210	115.23	15500	0.92	77	2KJ3605- ■ FN23- ■ ■ B2 -Z	–
15		1060	100.75	15200	0.99	77	2KJ3605- ■ FN23- ■ ■ A2 -Z	–
17		910	86.48	14900	1.1	77	2KJ3605- ■ FN23- ■ ■ X1 -Z	–
19		805	76.44	14600	1.1	77	2KJ3605- ■ FN23- ■ ■ W1 -Z	–
23		680	65	14200	1.3	77	2KJ3605- ■ FN23- ■ ■ V1 -Z	–
26		720	55.61	12500	2	77	2KJ3605- ■ FN23- ■ ■ U1 -Z	–
29		645	50	12300	2.2	77	2KJ3605- ■ FN23- ■ ■ T1 -Z	–
32		585	45.22	12100	2.4	77	2KJ3605- ■ FN23- ■ ■ S1 -Z	–
35		540	41.74	11900	2.5	77	2KJ3605- ■ FN23- ■ ■ R1 -Z	–
38		495	38.24	11700	2.6	77	2KJ3605- ■ FN23- ■ ■ Q1 -Z	–
C.69-LE100ZLSA4P								
26		700	56.25	5900	0.87	57	2KJ3604- ■ FN23- ■ ■ T1 -Z	–
29		640	51.14	5940	0.9	57	2KJ3604- ■ FN23- ■ ■ S1 -Z	–
33		560	44.79	6000	0.97	57	2KJ3604- ■ FN23- ■ ■ R1 -Z	–
35		515	41.35	6030	1	57	2KJ3604- ■ FN23- ■ ■ Q1 -Z	–
40		455	36.61	6030	1.1	57	2KJ3604- ■ FN23- ■ ■ P1 -Z	–
49		385	30	5630	1.4	57	2KJ3604- ■ FN23- ■ ■ N1 -Z	–
56		340	26.28	5570	1.5	57	2KJ3604- ■ FN23- ■ ■ M1 -Z	–
60		315	24.26	5540	1.6	57	2KJ3604- ■ FN23- ■ ■ L1 -Z	–
68		275	21.48	5500	1.7	57	2KJ3604- ■ FN23- ■ ■ K1 -Z	–
82		230	17.88	5370	1.9	57	2KJ3604- ■ FN23- ■ ■ J1 -Z	–
92		205	15.88	5110	1.7	57	2KJ3604- ■ FN23- ■ ■ H1 -Z	–
104		185	14.06	4990	1.9	57	2KJ3604- ■ FN23- ■ ■ G1 -Z	–
125		154	11.7	4850	2.3	57	2KJ3604- ■ FN23- ■ ■ F1 -Z	–
133		145	11.01	4790	2.5	57	2KJ3604- ■ FN23- ■ ■ E1 -Z	–
148		130	9.87	4700	2.8	57	2KJ3604- ■ FN23- ■ ■ D1 -Z	–
174		110	8.4	4550	3.3	57	2KJ3604- ■ FN23- ■ ■ C1 -Z	–
203		95	7.2	4390	3.8	57	2KJ3604- ■ FN23- ■ ■ B1 -Z	–
236		82	6.2	4240	4.3	57	2KJ3604- ■ FN23- ■ ■ A1 -Z	–
C.49-LE100ZLSA4P								
54		345	26.89	2740	1	48	2KJ3603- ■ FN23- ■ ■ P1 -Z	–
61		305	24	2870	1.1	48	2KJ3603- ■ FN23- ■ ■ N1 -Z	–
68		275	21.39	2920	1.2	48	2KJ3603- ■ FN23- ■ ■ M1 -Z	–
74	250	19.74	2990	1.2	48	2KJ3603- ■ FN23- ■ ■ L1 -Z	–	
85	220	17.29	3020	1.4	48	2KJ3603- ■ FN23- ■ ■ K1 -Z	–	
97	195	15.16	3020	1.5	48	2KJ3603- ■ FN23- ■ ■ J1 -Z	–	
107	177	13.75	3030	1.6	48	2KJ3603- ■ FN23- ■ ■ H1 -Z	–	

Article No. supplement

Shaft design	1 or 9	see page 10/51
Frequency and voltage	2 or 9	see page 11/2
Gearbox mounting type	A, F, H or D	see page 10/42

SIMOGEAR geared motors

Helical worm geared motors

Geared motors up to 7.5 kW

Selection and ordering data

P_N kW	n_2 rpm	T_2 Nm	i –	F_{R2} N	f_B –	m kg	Article No. (Article No. supplement, see below)	Additional identification code -Z with order code No. of poles
2.2	C.49-LE100ZLSA4P							
	113	166	12.94	3030	1.6	48	2KJ3603- ■ FN23- ■ ■ G1 -Z	–
	128	146	11.41	3010	1.7	48	2KJ3603- ■ FN23- ■ ■ F1 -Z	–
	148	127	9.9	2980	1.9	48	2KJ3603- ■ FN23- ■ ■ E1 -Z	–
	163	118	9	2830	2.2	48	2KJ3603- ■ FN23- ■ ■ D1 -Z	–
	173	111	8.47	2810	2.3	48	2KJ3603- ■ FN23- ■ ■ C1 -Z	–
	196	98	7.47	2770	2.4	48	2KJ3603- ■ FN23- ■ ■ B1 -Z	–
	226	85	6.48	2730	2.7	48	2KJ3603- ■ FN23- ■ ■ A1 -Z	–
	C.39A-LE100ZLSA4P							
	83	230	17.6	0	0.97	40	2KJ3642- ■ FN23- ■ ■ K1 -Z	–
	93	205	15.71	0	1	40	2KJ3642- ■ FN23- ■ ■ J1 -Z	–
	105	184	14	170	1.1	40	2KJ3642- ■ FN23- ■ ■ H1 -Z	–
	113	170	12.92	375	1.2	40	2KJ3642- ■ FN23- ■ ■ G1 -Z	–
	130	148	11.31	705	1.3	40	2KJ3642- ■ FN23- ■ ■ F1 -Z	–
148	130	9.92	955	1.4	40	2KJ3642- ■ FN23- ■ ■ E1 -Z	–	
163	118	9	1110	1.5	40	2KJ3642- ■ FN23- ■ ■ D1 -Z	–	
173	111	8.47	1210	1.5	40	2KJ3642- ■ FN23- ■ ■ C1 -Z	–	
196	98	7.47	1370	1.7	40	2KJ3642- ■ FN23- ■ ■ B1 -Z	–	
226	85	6.48	1470	1.8	40	2KJ3642- ■ FN23- ■ ■ A1 -Z	–	
3	C.89-LE100ZLSB4P							
	19	1100	76.44	13300	0.84	77	2KJ3605- ■ FP23- ■ ■ W1 -Z	–
	22	935	65	13100	0.92	77	2KJ3605- ■ FP23- ■ ■ V1 -Z	–
	26	985	55.61	11100	1.5	77	2KJ3605- ■ FP23- ■ ■ U1 -Z	–
	29	885	50	11000	1.6	77	2KJ3605- ■ FP23- ■ ■ T1 -Z	–
	32	800	45.22	11000	1.7	77	2KJ3605- ■ FP23- ■ ■ S1 -Z	–
	35	740	41.74	10900	1.8	77	2KJ3605- ■ FP23- ■ ■ R1 -Z	–
	38	675	38.24	10800	1.9	77	2KJ3605- ■ FP23- ■ ■ Q1 -Z	–
	46	570	32.08	10500	2.1	77	2KJ3605- ■ FP23- ■ ■ P1 -Z	–
	48	535	30.2	10400	2.2	77	2KJ3605- ■ FP23- ■ ■ N1 -Z	–
	53	490	27.7	10300	2.3	77	2KJ3605- ■ FP23- ■ ■ M1 -Z	–
	58	455	25.03	9830	2.4	77	2KJ3605- ■ FP23- ■ ■ L1 -Z	–
	70	380	21	9560	2.8	77	2KJ3605- ■ FP23- ■ ■ K1 -Z	–
	74	360	19.76	9450	3.1	77	2KJ3605- ■ FP23- ■ ■ J1 -Z	–
	C.69-LE100ZLSB4P							
	40	625	36.61	5010	0.8	57	2KJ3604- ■ FP23- ■ ■ P1 -Z	–
	49	530	30	4660	1	57	2KJ3604- ■ FP23- ■ ■ N1 -Z	–
	56	465	26.28	4740	1.1	57	2KJ3604- ■ FP23- ■ ■ M1 -Z	–
	60	430	24.26	4770	1.1	57	2KJ3604- ■ FP23- ■ ■ L1 -Z	–
	68	380	21.48	4800	1.2	57	2KJ3604- ■ FP23- ■ ■ K1 -Z	–
	82	315	17.88	4800	1.4	57	2KJ3604- ■ FP23- ■ ■ J1 -Z	–
	92	285	15.88	4520	1.3	57	2KJ3604- ■ FP23- ■ ■ H1 -Z	–
	104	250	14.06	4510	1.4	57	2KJ3604- ■ FP23- ■ ■ G1 -Z	–
	125	210	11.7	4430	1.7	57	2KJ3604- ■ FP23- ■ ■ F1 -Z	–
	133	198	11.01	4400	1.8	57	2KJ3604- ■ FP23- ■ ■ E1 -Z	–
	148	178	9.87	4340	2	57	2KJ3604- ■ FP23- ■ ■ D1 -Z	–
	174	151	8.4	4250	2.4	57	2KJ3604- ■ FP23- ■ ■ C1 -Z	–
	203	130	7.2	4140	2.8	57	2KJ3604- ■ FP23- ■ ■ B1 -Z	–
	235	112	6.2	4020	3.1	57	2KJ3604- ■ FP23- ■ ■ A1 -Z	–
	C.49-LE100ZLSB4P							
	61	420	24	1920	0.82	48	2KJ3603- ■ FP23- ■ ■ N1 -Z	–
	68	375	21.39	2080	0.88	48	2KJ3603- ■ FP23- ■ ■ M1 -Z	–

Article No. supplement

Shaft design	1 or 9	see page 10/51
Frequency and voltage	2 or 9	see page 11/2
Gearbox mounting type	A, F, H or D	see page 10/42

Selection and ordering data

P_N kW	n_2 rpm	T_2 Nm	i –	F_{R2} N	f_B –	m kg	Article No. (Article No. supplement, see below)	Additional identification code -Z with order code No. of poles
3	C.49-LE100ZLSB4P							
	74	345	19.74	2190	0.91	48	2KJ3603- ■ FP23- ■ ■ L1 -Z –	
	84	300	17.29	2350	0.99	48	2KJ3603- ■ FP23- ■ ■ K1 -Z –	
	96	265	15.16	2440	1.1	48	2KJ3603- ■ FP23- ■ ■ H1 -Z –	
	106	240	13.75	2500	1.1	48	2KJ3603- ■ FP23- ■ ■ J1 -Z –	
	113	225	12.94	2530	1.2	48	2KJ3603- ■ FP23- ■ ■ G1 -Z –	
	128	200	11.41	2560	1.3	48	2KJ3603- ■ FP23- ■ ■ F1 -Z –	
	147	174	9.9	2590	1.4	48	2KJ3603- ■ FP23- ■ ■ E1 -Z –	
	162	162	9	2420	1.6	48	2KJ3603- ■ FP23- ■ ■ D1 -Z –	
	172	152	8.47	2440	1.7	48	2KJ3603- ■ FP23- ■ ■ C1 -Z –	
	195	134	7.47	2440	1.8	48	2KJ3603- ■ FP23- ■ ■ B1 -Z –	
	225	116	6.48	2440	2	48	2KJ3603- ■ FP23- ■ ■ A1 -Z –	
	C.39A-LE100ZLSB4P							
	104	250	14	0	0.82	40	2KJ3642- ■ FP23- ■ ■ H1 -Z –	
	113	230	12.92	0	0.86	40	2KJ3642- ■ FP23- ■ ■ G1 -Z –	
	129	200	11.31	0	0.93	40	2KJ3642- ■ FP23- ■ ■ F1 -Z –	
	147	178	9.92	0	1	40	2KJ3642- ■ FP23- ■ ■ E1 -Z –	
	162	162	9	1	1.1	40	2KJ3642- ■ FP23- ■ ■ D1 -Z –	
	172	152	8.47	131	1.1	40	2KJ3642- ■ FP23- ■ ■ C1 -Z –	
	195	134	7.47	405	1.2	40	2KJ3642- ■ FP23- ■ ■ B1 -Z –	
	225	116	6.48	675	1.3	40	2KJ3642- ■ FP23- ■ ■ A1 -Z –	
	4	C.89-LE112ZMKB4P						
26		1310	55.61	9370	1.1	77	2KJ3605- ■ GJ23- ■ ■ U1 -Z –	
29		1180	50	9500	1.2	77	2KJ3605- ■ GJ23- ■ ■ T1 -Z –	
32		1070	45.22	9560	1.3	77	2KJ3605- ■ GJ23- ■ ■ S1 -Z –	
35		990	41.74	9590	1.4	77	2KJ3605- ■ GJ23- ■ ■ R1 -Z –	
38		905	38.24	9610	1.4	77	2KJ3605- ■ GJ23- ■ ■ Q1 -Z –	
46		760	32.08	9560	1.6	77	2KJ3605- ■ GJ23- ■ ■ P1 -Z –	
48		715	30.2	9530	1.7	77	2KJ3605- ■ GJ23- ■ ■ N1 -Z –	
53		655	27.7	9470	1.7	77	2KJ3605- ■ GJ23- ■ ■ M1 -Z –	
58		605	25.03	8940	1.8	77	2KJ3605- ■ GJ23- ■ ■ L1 -Z –	
70		510	21	8790	2.1	77	2KJ3605- ■ GJ23- ■ ■ K1 -Z –	
74		480	19.76	8730	2.3	77	2KJ3605- ■ GJ23- ■ ■ J1 -Z –	
81		440	18.13	8640	2.5	77	2KJ3605- ■ GJ23- ■ ■ H1 -Z –	
92		385	15.84	8470	2.9	77	2KJ3605- ■ GJ23- ■ ■ G1 -Z –	
103		340	14.18	8350	3.1	77	2KJ3605- ■ GJ23- ■ ■ F1 -Z –	
118		300	12.4	8130	3.4	77	2KJ3605- ■ GJ23- ■ ■ E1 -Z –	
137		255	10.64	7910	3.7	77	2KJ3605- ■ GJ23- ■ ■ D1 -Z –	
155		225	9.41	7710	4	77	2KJ3605- ■ GJ23- ■ ■ C1 -Z –	
182		194	8	7420	4.3	77	2KJ3605- ■ GJ23- ■ ■ B1 -Z –	
213		167	6.86	7150	4.3	77	2KJ3605- ■ GJ23- ■ ■ A1 -Z –	
C.69-LE112ZMKB4P								
56		620	26.28	3700	0.83	58	2KJ3604- ■ GJ23- ■ ■ M1 -Z –	
60		570	24.26	3830	0.86	58	2KJ3604- ■ GJ23- ■ ■ L1 -Z –	
68		505	21.48	3960	0.93	58	2KJ3604- ■ GJ23- ■ ■ K1 -Z –	
82		420	17.88	4100	1	58	2KJ3604- ■ GJ23- ■ ■ J1 -Z –	
92		380	15.88	3800	0.94	58	2KJ3604- ■ GJ23- ■ ■ H1 -Z –	
104		335	14.06	3880	1.1	58	2KJ3604- ■ GJ23- ■ ■ G1 -Z –	
125	280	11.7	3910	1.3	58	2KJ3604- ■ GJ23- ■ ■ F1 -Z –		
133	260	11.01	3940	1.4	58	2KJ3604- ■ GJ23- ■ ■ E1 -Z –		
148	235	9.87	3910	1.5	58	2KJ3604- ■ GJ23- ■ ■ D1 -Z –		

Article No. supplement

Shaft design	1 or 9	see page 10/51
Frequency and voltage	2 or 9	see page 11/2
Gearbox mounting type	A, F, H or D	see page 10/42

SIMOGEAR geared motors

Helical worm geared motors

Geared motors up to 7.5 kW

Selection and ordering data

P_N kW	n_2 rpm	T_2 Nm	i –	F_{R2} N	f_B –	m kg	Article No. (Article No. supplement, see below)	Additional identification code -Z with order code No. of poles
4	C.69-LE112ZMKB4P							
	174	200	8.4	3880	1.8	58	2KJ3604- ■ GJ23- ■ ■ C1 -Z	–
	203	173	7.2	3810	2.1	58	2KJ3604- ■ GJ23- ■ ■ B1 -Z	–
	235	149	6.2	3740	2.3	58	2KJ3604- ■ GJ23- ■ ■ A1 -Z	–
	C.49-LE112ZMKB4P							
	96	355	15.16	1600	0.8	49	2KJ3603- ■ GJ23- ■ ■ J1 -Z	–
	106	320	13.75	1820	0.85	49	2KJ3603- ■ GJ23- ■ ■ H1 -Z	–
	113	300	12.94	1900	0.89	49	2KJ3603- ■ GJ23- ■ ■ G1 -Z	–
	128	265	11.41	2010	0.95	49	2KJ3603- ■ GJ23- ■ ■ F1 -Z	–
	147	230	9.9	2110	1	49	2KJ3603- ■ GJ23- ■ ■ E1 -Z	–
	162	215	9	1580	1.2	49	2KJ3603- ■ GJ23- ■ ■ D1 -Z	–
	172	200	8.47	1760	1.3	49	2KJ3603- ■ GJ23- ■ ■ C1 -Z	–
	195	179	7.47	1940	1.3	49	2KJ3603- ■ GJ23- ■ ■ B1 -Z	–
	225	155	6.48	2080	1.5	49	2KJ3603- ■ GJ23- ■ ■ A1 -Z	–
	5.5	C.89-LE132ZST4P						
38		1230	38.24	7840	1	108	2KJ3605- ■ HJ23- ■ ■ Q1 -Z	–
46		1030	32.08	8090	1.2	108	2KJ3605- ■ HJ23- ■ ■ P1 -Z	–
49		975	30.2	8110	1.2	108	2KJ3605- ■ HJ23- ■ ■ N1 -Z	–
53		895	27.7	8160	1.3	108	2KJ3605- ■ HJ23- ■ ■ M1 -Z	–
59		830	25.03	7570	1.3	108	2KJ3605- ■ HJ23- ■ ■ L1 -Z	–
70		695	21	7660	1.5	108	2KJ3605- ■ HJ23- ■ ■ K1 -Z	–
74		655	19.76	7670	1.7	108	2KJ3605- ■ HJ23- ■ ■ J1 -Z	–
81		600	18.13	7670	1.8	108	2KJ3605- ■ HJ23- ■ ■ H1 -Z	–
93		525	15.84	7620	2.1	108	2KJ3605- ■ HJ23- ■ ■ G1 -Z	–
104		470	14.18	7560	2.3	108	2KJ3605- ■ HJ23- ■ ■ F1 -Z	–
119		410	12.4	7460	2.5	108	2KJ3605- ■ HJ23- ■ ■ E1 -Z	–
138		350	10.64	7320	2.7	108	2KJ3605- ■ HJ23- ■ ■ D1 -Z	–
156		310	9.41	7180	2.9	108	2KJ3605- ■ HJ23- ■ ■ C1 -Z	–
184		265	8	6970	3.1	108	2KJ3605- ■ HJ23- ■ ■ B1 -Z	–
214		225	6.86	6780	3.1	108	2KJ3605- ■ HJ23- ■ ■ A1 -Z	–
C.69-LE132ZST4P								
126		380	11.7	3020	0.94	88	2KJ3604- ■ HJ23- ■ ■ F1 -Z	–
134		360	11.01	3160	1	88	2KJ3604- ■ HJ23- ■ ■ E1 -Z	–
149		320	9.87	3260	1.1	88	2KJ3604- ■ HJ23- ■ ■ D1 -Z	–
175	275	8.4	3310	1.3	88	2KJ3604- ■ HJ23- ■ ■ C1 -Z	–	
204	235	7.2	3340	1.5	88	2KJ3604- ■ HJ23- ■ ■ B1 -Z	–	
237	200	6.2	3350	1.7	88	2KJ3604- ■ HJ23- ■ ■ A1 -Z	–	
7.5	C.89-LE132ZMS4P							
	46	1420	32.08	6030	0.86	108	2KJ3605- ■ HL23- ■ ■ P1 -Z	–
	49	1330	30.2	6240	0.89	108	2KJ3605- ■ HL23- ■ ■ N1 -Z	–
	53	1220	27.7	6440	0.93	108	2KJ3605- ■ HL23- ■ ■ M1 -Z	–
	59	1130	25.03	4930	0.96	108	2KJ3605- ■ HL23- ■ ■ L1 -Z	–
	70	950	21	6070	1.1	108	2KJ3605- ■ HL23- ■ ■ K1 -Z	–
	74	895	19.76	6250	1.2	108	2KJ3605- ■ HL23- ■ ■ J1 -Z	–
	81	820	18.13	6370	1.3	108	2KJ3605- ■ HL23- ■ ■ H1 -Z	–
	92	715	15.84	6500	1.5	108	2KJ3605- ■ HL23- ■ ■ G1 -Z	–
	103	640	14.18	6560	1.6	108	2KJ3605- ■ HL23- ■ ■ F1 -Z	–
	118	560	12.4	6580	1.8	108	2KJ3605- ■ HL23- ■ ■ E1 -Z	–
	138	480	10.64	6560	2	108	2KJ3605- ■ HL23- ■ ■ D1 -Z	–
	156	425	9.41	6510	2.1	108	2KJ3605- ■ HL23- ■ ■ C1 -Z	–
	183	360	8	6420	2.3	108	2KJ3605- ■ HL23- ■ ■ B1 -Z	–

Article No. supplement

Shaft design	1 or 9	see page 10/51
Frequency and voltage	2 or 9	see page 11/2
Gearbox mounting type	A, F, H or D	see page 10/42

SIMOGEAR geared motors

Helical worm geared motors

Geared motors up to 7.5 kW

Selection and ordering data

P_N	n_2	T_2	i	F_{R2}	f_B	m	Article No.	Additional identification code -Z with order code
kW	rpm	Nm	–	N	–	kg	(Article No. supplement, see below)	No. of poles
7.5	C.69-LE132ZMS4P							
	214	310	6.86	6290	2.3	108	2KJ3605- ■ HL23- ■ ■ A1 -Z –	
	C.69-LE132ZMS4P							
	148	440	9.87	1410	0.81	88	2KJ3604- ■ HL23- ■ ■ D1 -Z –	
	174	375	8.4	2000	0.96	88	2KJ3604- ■ HL23- ■ ■ C1 -Z –	
	203	320	7.2	2480	1.1	88	2KJ3604- ■ HL23- ■ ■ B1 -Z –	
	236	275	6.2	2790	1.3	88	2KJ3604- ■ HL23- ■ ■ A1 -Z –	

Article No. supplement

Shaft design	1 or 9	see page 10/51
Frequency and voltage	2 or 9	see page 11/2
Gearbox mounting type	A, F, H or D	see page 10/42

SIMOGEAR geared motors

Helical worm geared motors

Transmission ratios and torques

Selection and ordering data

<i>i</i>	n_2 rpm	T_{2N} Nm	F_{R2} N	J_G 10^{-4} kgm ²	R_{ex}	Motor frame size							Article No. (Article No. supplement, see below)
						63	71	80	90	100	112	132	
C.29													
265.20	5.5	108	4140	0.05	1326/5	✓	✓	✓	✓				2KJ3601 - ■■■■■■ - ■■ M2
230.10	6.3	108	4140	0.05	2301/10	✓	✓	✓	✓				2KJ3601 - ■■■■■■ - ■■ L2
209.18	6.9	109	4130	0.07	2301/11	✓	✓	✓	✓				2KJ3601 - ■■■■■■ - ■■ K2
179.40	8.1	110	4130	0.08	897/5	✓	✓	✓	✓				2KJ3601 - ■■■■■■ - ■■ J2
163.09	8.9	110	4130	0.10	1794/11	✓	✓	✓	✓				2KJ3601 - ■■■■■■ - ■■ H2
143.00	10	110	4130	0.11	143/1	✓	✓	✓	✓				2KJ3601 - ■■■■■■ - ■■ G2
127.64	11	110	4130	0.14	1404/11	✓	✓	✓	✓				2KJ3601 - ■■■■■■ - ■■ F2
113.75	13	110	4130	0.16	455/4	✓	✓	✓	✓				2KJ3601 - ■■■■■■ - ■■ E2
105.00	14	110	4130	0.20	105/1	✓	✓	✓	✓				2KJ3601 - ■■■■■■ - ■■ D2
91.93	16	110	4130	0.22	1287/14	✓	✓	✓	✓				2KJ3601 - ■■■■■■ - ■■ C2
80.60	18	110	4130	0.22	403/5	✓	✓	✓	✓				2KJ3601 - ■■■■■■ - ■■ B2
73.12	20	110	4130	0.28	585/8	✓	✓	✓	✓				2KJ3601 - ■■■■■■ - ■■ A2
68.82	21	110	4130	0.33	1170/17	✓	✓	✓	✓				2KJ3601 - ■■■■■■ - ■■ X1
60.67	24	110	4130	0.36	182/3	✓	✓	✓	✓				2KJ3601 - ■■■■■■ - ■■ W1
52.65	28	110	4130	0.48	1053/20	✓	✓	✓	✓				2KJ3601 - ■■■■■■ - ■■ V1
49.87	29	102	4170	0.05	748/15	✓	✓	✓	✓				2KJ3601 - ■■■■■■ - ■■ U1
43.27	34	103	4160	0.06	649/15	✓	✓	✓	✓				2KJ3601 - ■■■■■■ - ■■ T1
39.33	37	103	4160	0.07	118/3	✓	✓	✓	✓				2KJ3601 - ■■■■■■ - ■■ S1
33.73	43	104	4160	0.09	506/15	✓	✓	✓	✓				2KJ3601 - ■■■■■■ - ■■ R1
32.64	44	90	4230	0.05	816/25	✓	✓	✓	✓				2KJ3601 - ■■■■■■ - ■■ Q1
28.32	51	90	4230	0.06	708/25	✓	✓	✓	✓				2KJ3601 - ■■■■■■ - ■■ P1
25.75	56	91	4220	0.07	1416/55	✓	✓	✓	✓				2KJ3601 - ■■■■■■ - ■■ N1
22.08	66	91	4220	0.09	552/25	✓	✓	✓	✓				2KJ3601 - ■■■■■■ - ■■ M1
20.07	72	92	4200	0.11	1104/55	✓	✓	✓	✓				2KJ3601 - ■■■■■■ - ■■ L1
17.60	82	92	3970	0.13	88/5	✓	✓	✓	✓				2KJ3601 - ■■■■■■ - ■■ K1
15.71	92	92	3770	0.15	864/55	✓	✓	✓	✓				2KJ3601 - ■■■■■■ - ■■ J1
14.00	104	93	3560	0.18	14/1	✓	✓	✓	✓				2KJ3601 - ■■■■■■ - ■■ H1
12.92	112	93	3430	0.22	168/13	✓	✓	✓	✓				2KJ3601 - ■■■■■■ - ■■ G1
11.31	128	94	3210	0.25	396/35	✓	✓	✓	✓				2KJ3601 - ■■■■■■ - ■■ F1
9.92	146	94	3020	0.26	248/25	✓	✓	✓	✓				2KJ3601 - ■■■■■■ - ■■ E1
9.00	161	91	2960	0.33	9/1	✓	✓	✓	✓				2KJ3601 - ■■■■■■ - ■■ D1
8.47	171	90	2950	0.38	144/17	✓	✓	✓	✓				2KJ3601 - ■■■■■■ - ■■ C1
7.47	194	86	2920	0.43	112/15	✓	✓	✓	✓				2KJ3601 - ■■■■■■ - ■■ B1
6.48	224	82	2880	0.57	162/25	✓	✓	✓	✓				2KJ3601 - ■■■■■■ - ■■ A1

Article No. supplement

Shaft design	1 or 9	see page 10/51
Motor frame size, motor type, efficiency class		see chapter 9
Frequency and voltage	2 or 9	see page 11/2
Gearbox mounting type	A, F, H or D	see page 10/42

Selection and ordering data

<i>i</i>	<i>n</i> ₂ rpm	<i>T</i> _{2N} Nm	<i>F</i> _{R2} N	<i>J</i> _G 10 ⁻⁴ kgm ²	<i>R</i> _{ex}	Motor frame size							Article No. (Article No. supplement, see below)
						63	71	80	90	100	112	132	
C.39A													
299.00	4.8	192	6180	0.04	299/1	✓	✓						2KJ3642 - ■■■■■■ - ■■ N2
265.20	5.5	192	6180	0.05	1326/5	✓	✓	✓	✓				2KJ3642 - ■■■■■■ - ■■ M2
230.10	6.3	193	6180	0.06	2301/10	✓	✓	✓	✓				2KJ3642 - ■■■■■■ - ■■ L2
209.18	6.9	193	6180	0.07	2301/11	✓	✓	✓	✓				2KJ3642 - ■■■■■■ - ■■ K2
179.40	8.1	193	6180	0.09	897/5	✓	✓	✓	✓				2KJ3642 - ■■■■■■ - ■■ J2
163.09	8.9	193	6180	0.11	1794/11	✓	✓	✓	✓				2KJ3642 - ■■■■■■ - ■■ H2
143.00	10	194	6170	0.13	143/1	✓	✓	✓	✓	✓			2KJ3642 - ■■■■■■ - ■■ G2
127.64	11	194	6170	0.16	1404/11	✓	✓	✓	✓	✓			2KJ3642 - ■■■■■■ - ■■ F2
113.75	13	194	6170	0.19	455/4	✓	✓	✓	✓	✓			2KJ3642 - ■■■■■■ - ■■ E2
105.00	14	194	6170	0.23	105/1	✓	✓	✓	✓	✓			2KJ3642 - ■■■■■■ - ■■ D2
91.93	16	194	6170	0.27	1287/14	✓	✓	✓	✓	✓			2KJ3642 - ■■■■■■ - ■■ C2
80.60	18	194	6170	0.26	403/5	✓	✓	✓	✓	✓			2KJ3642 - ■■■■■■ - ■■ B2
73.12	20	194	6170	0.36	585/8	✓	✓	✓	✓	✓			2KJ3642 - ■■■■■■ - ■■ A2
68.82	21	194	6170	0.43	1170/17	✓	✓	✓	✓	✓			2KJ3642 - ■■■■■■ - ■■ X1
60.67	24	183	6210	0.47	182/3	✓	✓	✓	✓	✓			2KJ3642 - ■■■■■■ - ■■ W1
52.65	28	170	6260	0.64	1053/20	✓	✓	✓	✓	✓			2KJ3642 - ■■■■■■ - ■■ V1
49.87	29	198	6160	0.06	748/15	✓	✓	✓	✓				2KJ3642 - ■■■■■■ - ■■ U1
43.27	34	199	6150	0.07	649/15	✓	✓	✓	✓				2KJ3642 - ■■■■■■ - ■■ T1
39.33	37	200	6140	0.08	118/3	✓	✓	✓	✓				2KJ3642 - ■■■■■■ - ■■ S1
33.73	43	200	5730	0.11	506/15	✓	✓	✓	✓				2KJ3642 - ■■■■■■ - ■■ R1
32.64	44	215	5260	0.07	816/25	✓	✓	✓	✓				2KJ3642 - ■■■■■■ - ■■ Q1
28.32	51	235	4680	0.08	708/25	✓	✓	✓	✓				2KJ3642 - ■■■■■■ - ■■ P1
25.75	56	235	4450	0.10	1416/55	✓	✓	✓	✓				2KJ3642 - ■■■■■■ - ■■ N1
22.08	66	235	4100	0.13	552/25	✓	✓	✓	✓				2KJ3642 - ■■■■■■ - ■■ M1
20.07	72	235	3890	0.16	1104/55	✓	✓	✓	✓				2KJ3642 - ■■■■■■ - ■■ L1
17.60	82	225	3720	0.19	88/5	✓	✓	✓	✓	✓			2KJ3642 - ■■■■■■ - ■■ K1
15.71	92	215	3600	0.23	864/55	✓	✓	✓	✓	✓			2KJ3642 - ■■■■■■ - ■■ J1
14.00	104	205	3490	0.28	14/1	✓	✓	✓	✓	✓			2KJ3642 - ■■■■■■ - ■■ H1
12.92	112	199	3400	0.34	168/13	✓	✓	✓	✓	✓			2KJ3642 - ■■■■■■ - ■■ G1
11.31	128	189	3270	0.41	396/35	✓	✓	✓	✓	✓			2KJ3642 - ■■■■■■ - ■■ F1
9.92	146	181	3130	0.44	248/25	✓	✓	✓	✓	✓			2KJ3642 - ■■■■■■ - ■■ E1
9.00	161	174	3040	0.59	9/1	✓	✓	✓	✓	✓			2KJ3642 - ■■■■■■ - ■■ D1
8.47	171	170	3030	0.68	144/17	✓	✓	✓	✓	✓			2KJ3642 - ■■■■■■ - ■■ C1
7.47	194	163	3050	0.81	112/15	✓	✓	✓	✓	✓			2KJ3642 - ■■■■■■ - ■■ B1
6.48	224	154	3050	1.08	162/25	✓	✓	✓	✓	✓			2KJ3642 - ■■■■■■ - ■■ A1

Article No. supplement

Shaft design	1 or 9	see page 10/51
Motor frame size, motor type, efficiency class		see chapter 9
Frequency and voltage	2 or 9	see page 11/2
Gearbox mounting type	A, F, H or D	see page 10/42

SIMOGEAR geared motors

Helical worm geared motors

Transmission ratios and torques

Selection and ordering data

<i>i</i>	<i>n</i> ₂ rpm	<i>T</i> _{2N} Nm	<i>F</i> _{R2} N	<i>J</i> _G 10 ⁻⁴ kgm ²	<i>R</i> _{ex}	Motor frame size							Article No. (Article No. supplement, see below)
						63	71	80	90	100	112	132	
C.49													
299.00	4.8	350	8410	0.04	299/1	✓	✓						2KJ3603 - ■■■■■■ - ■■ N2
265.20	5.5	350	8410	0.05	1326/5	✓	✓	✓	✓				2KJ3603 - ■■■■■■ - ■■ M2
230.10	6.3	355	8400	0.07	2301/10	✓	✓	✓	✓				2KJ3603 - ■■■■■■ - ■■ L2
209.18	6.9	355	8400	0.08	2301/11	✓	✓	✓	✓				2KJ3603 - ■■■■■■ - ■■ K2
179.40	8.1	355	8260	0.10	897/5	✓	✓	✓	✓				2KJ3603 - ■■■■■■ - ■■ J2
163.09	8.9	355	7920	0.13	1794/11	✓	✓	✓	✓				2KJ3603 - ■■■■■■ - ■■ H2
143.00	10	355	7480	0.15	143/1	✓	✓	✓	✓	✓	✓		2KJ3603 - ■■■■■■ - ■■ G2
127.64	11	355	7110	0.18	1404/11	✓	✓	✓	✓	✓	✓		2KJ3603 - ■■■■■■ - ■■ F2
113.75	13	355	6760	0.22	455/4	✓	✓	✓	✓	✓	✓		2KJ3603 - ■■■■■■ - ■■ E2
105.00	14	355	6510	0.26	105/1	✓	✓	✓	✓	✓	✓		2KJ3603 - ■■■■■■ - ■■ D2
91.93	16	350	6160	0.32	1287/14	✓	✓	✓	✓	✓	✓		2KJ3603 - ■■■■■■ - ■■ C2
80.60	18	330	5930	0.32	403/5	✓	✓	✓	✓	✓	✓		2KJ3603 - ■■■■■■ - ■■ B2
73.12	20	315	5770	0.44	585/8	✓	✓	✓	✓	✓	✓		2KJ3603 - ■■■■■■ - ■■ A2
68.82	21	305	5680	0.51	1170/17	✓	✓	✓	✓	✓	✓		2KJ3603 - ■■■■■■ - ■■ X1
60.67	24	285	5500	0.58	182/3	✓	✓	✓	✓	✓	✓		2KJ3603 - ■■■■■■ - ■■ W1
52.65	28	265	5290	0.78	1053/20	✓	✓	✓	✓	✓	✓		2KJ3603 - ■■■■■■ - ■■ V1
49.87	29	320	4250	0.08	748/15	✓	✓	✓	✓				2KJ3603 - ■■■■■■ - ■■ U1
43.27	34	350	3680	0.10	649/15	✓	✓	✓	✓				2KJ3603 - ■■■■■■ - ■■ T1
39.33	37	400	3050	0.12	118/3	✓	✓	✓	✓				2KJ3603 - ■■■■■■ - ■■ S1
33.73	43	375	2940	0.15	506/15	✓	✓	✓	✓				2KJ3603 - ■■■■■■ - ■■ R1
30.67	47	385	2660	0.19	92/3	✓	✓	✓	✓				2KJ3603 - ■■■■■■ - ■■ Q1
26.89	54	360	2620	0.23	242/9	✓	✓	✓	✓	✓	✓		2KJ3603 - ■■■■■■ - ■■ P1
24.00	60	345	2540	0.28	24/1	✓	✓	✓	✓	✓	✓		2KJ3603 - ■■■■■■ - ■■ N1
21.39	68	330	2460	0.34	385/18	✓	✓	✓	✓	✓	✓		2KJ3603 - ■■■■■■ - ■■ M1
19.74	73	315	2450	0.41	770/39	✓	✓	✓	✓	✓	✓		2KJ3603 - ■■■■■■ - ■■ L1
17.29	84	300	2350	0.51	121/7	✓	✓	✓	✓	✓	✓		2KJ3603 - ■■■■■■ - ■■ K1
15.16	96	285	2270	0.56	682/45	✓	✓	✓	✓	✓	✓		2KJ3603 - ■■■■■■ - ■■ J1
13.75	105	275	2200	0.73	55/4	✓	✓	✓	✓	✓	✓		2KJ3603 - ■■■■■■ - ■■ H1
12.94	112	270	2160	0.85	220/17	✓	✓	✓	✓	✓	✓		2KJ3603 - ■■■■■■ - ■■ G1
11.41	127	255	2100	1.02	308/27	✓	✓	✓	✓	✓	✓		2KJ3603 - ■■■■■■ - ■■ F1
9.90	146	245	1990	1.36	99/10	✓	✓	✓	✓	✓	✓		2KJ3603 - ■■■■■■ - ■■ E1
9.00	161	255	1140	1.03	9/1	✓	✓	✓	✓	✓	✓		2KJ3603 - ■■■■■■ - ■■ D1
8.47	171	255	1290	1.18	144/17	✓	✓	✓	✓	✓	✓		2KJ3603 - ■■■■■■ - ■■ C1
7.47	194	240	1580	1.45	112/15	✓	✓	✓	✓	✓	✓		2KJ3603 - ■■■■■■ - ■■ B1
6.48	224	230	1850	1.93	162/25	✓	✓	✓	✓	✓	✓		2KJ3603 - ■■■■■■ - ■■ A1

Article No. supplement

Shaft design	1 or 9	see page 10/51
Motor frame size, motor type, efficiency class		see chapter 9
Frequency and voltage	2 or 9	see page 11/2
Gearbox mounting type	A, F, H or D	see page 10/42

Selection and ordering data

<i>i</i>	<i>n</i> ₂ rpm	<i>T</i> _{2N} Nm	<i>F</i> _{R2} N	<i>J</i> _G 10 ⁻⁴ kgm ²	<i>R</i> _{ex}	Motor frame size							Article No. (Article No. supplement, see below)
						63	71	80	90	100	112	132	
C.69													
360.00	4.0	675	10600	0.07	1079/3	✓	✓						2KJ3604 - ■■■■■■ - ■■ M2
319.80	4.5	675	10600	0.09	1599/5	✓	✓	✓	✓				2KJ3604 - ■■■■■■ - ■■ L2
280.80	5.2	675	10600	0.11	1404/5	✓	✓	✓	✓				2KJ3604 - ■■■■■■ - ■■ K2
255.27	5.7	675	10600	0.13	2808/11	✓	✓	✓	✓				2KJ3604 - ■■■■■■ - ■■ J2
218.40	6.6	675	10600	0.16	1092/5	✓	✓	✓	✓				2KJ3604 - ■■■■■■ - ■■ H2
198.55	7.3	675	10600	0.19	2184/11	✓	✓	✓	✓				2KJ3604 - ■■■■■■ - ■■ G2
175.50	8.3	665	10600	0.23	351/2	✓	✓	✓	✓	✓	✓		2KJ3604 - ■■■■■■ - ■■ F2
159.55	9.1	640	10700	0.30	1755/11	✓	✓	✓	✓	✓	✓		2KJ3604 - ■■■■■■ - ■■ E2
139.75	10	590	10500	0.35	559/4	✓	✓	✓	✓	✓	✓		2KJ3604 - ■■■■■■ - ■■ D2
129.00	11	565	10300	0.42	129/1	✓	✓	✓	✓	✓	✓		2KJ3604 - ■■■■■■ - ■■ C2
114.21	13	535	9990	0.52	1599/14	✓	✓	✓	✓	✓	✓	✓	2KJ3604 - ■■■■■■ - ■■ B2
102.50	14	675	8310	0.10	205/2	✓	✓	✓	✓				2KJ3604 - ■■■■■■ - ■■ A2
90.00	16	675	7790	0.12	90/1	✓	✓	✓	✓				2KJ3604 - ■■■■■■ - ■■ X1
81.82	18	675	7410	0.15	900/11	✓	✓	✓	✓				2KJ3604 - ■■■■■■ - ■■ W1
70.00	21	660	6920	0.18	70/1	✓	✓	✓	✓				2KJ3604 - ■■■■■■ - ■■ V1
63.64	23	640	6700	0.22	700/11	✓	✓	✓	✓				2KJ3604 - ■■■■■■ - ■■ U1
56.25	26	610	6460	0.27	225/4	✓	✓	✓	✓	✓	✓		2KJ3604 - ■■■■■■ - ■■ T1
51.14	28	580	6320	0.34	1125/22	✓	✓	✓	✓	✓	✓		2KJ3604 - ■■■■■■ - ■■ S1
44.79	32	545	6110	0.41	1075/24	✓	✓	✓	✓	✓	✓		2KJ3604 - ■■■■■■ - ■■ R1
41.35	35	525	5980	0.49	1075/26	✓	✓	✓	✓	✓	✓		2KJ3604 - ■■■■■■ - ■■ Q1
36.61	40	500	5770	0.61	1025/28	✓	✓	✓	✓	✓	✓	✓	2KJ3604 - ■■■■■■ - ■■ P1
30.00	48	545	4560	0.46	30/1	✓	✓	✓	✓	✓	✓		2KJ3604 - ■■■■■■ - ■■ N1
26.28	55	515	4410	0.56	473/18	✓	✓	✓	✓	✓	✓		2KJ3604 - ■■■■■■ - ■■ M1
24.26	60	500	4300	0.67	946/39	✓	✓	✓	✓	✓	✓		2KJ3604 - ■■■■■■ - ■■ L1
21.48	68	475	4160	0.83	451/21	✓	✓	✓	✓	✓	✓	✓	2KJ3604 - ■■■■■■ - ■■ K1
17.88	81	440	3960	1.17	143/8	✓	✓	✓	✓	✓	✓	✓	2KJ3604 - ■■■■■■ - ■■ J1
15.88	91	360	3950	0.88	1032/65	✓	✓	✓	✓	✓	✓		2KJ3604 - ■■■■■■ - ■■ H1
14.06	103	355	3730	1.11	492/35	✓	✓	✓	✓	✓	✓	✓	2KJ3604 - ■■■■■■ - ■■ G1
11.70	124	360	3310	1.56	117/10	✓	✓	✓	✓	✓	✓	✓	2KJ3604 - ■■■■■■ - ■■ F1
11.01	132	360	3180	1.79	936/85	✓	✓	✓	✓	✓	✓	✓	2KJ3604 - ■■■■■■ - ■■ E1
9.87	147	360	2890	2.10	148/15	✓	✓	✓	✓	✓	✓	✓	2KJ3604 - ■■■■■■ - ■■ D1
8.40	173	360	3110	2.90	42/5	✓	✓	✓	✓	✓	✓	✓	2KJ3604 - ■■■■■■ - ■■ C1
7.20	201	360	3170	3.90	36/5			✓	✓	✓	✓	✓	2KJ3604 - ■■■■■■ - ■■ B1
6.20	234	355	3190	5.20	31/5			✓	✓	✓	✓	✓	2KJ3604 - ■■■■■■ - ■■ A1

Article No. supplement

Shaft design	1 or 9	see page 10/51
Motor frame size, motor type, efficiency class		see chapter 9
Frequency and voltage	2 or 9	see page 11/2
Gearbox mounting type	A, F, H or D	see page 10/42

SIMOGEAR geared motors

Helical worm geared motors

Transmission ratios and torques

Selection and ordering data

<i>i</i>	<i>n</i> ₂ rpm	<i>T</i> _{2N} Nm	<i>F</i> _{R2} N	<i>J</i> _G 10 ⁻⁴ kgm ²	<i>R</i> _{ex} –	Motor frame size							Article No. (Article No. supplement, see below)
						63	71	80	90	100	112	132	
C.89													
363.00	4	1450	16200	0.47	3627/10	✓	✓	✓					2KJ3605 - ■■■■■■ - ■■ N2
329.73	4.4	1450	16200	0.57	3627/11	✓	✓	✓					2KJ3605 - ■■■■■■ - ■■ M2
295.75	4.9	1450	16200	0.78	1183/4	✓	✓	✓	✓	✓			2KJ3605 - ■■■■■■ - ■■ L2
265.91	5.5	1450	16200	0.89	2925/11	✓	✓	✓	✓	✓			2KJ3605 - ■■■■■■ - ■■ K2
240.50	6	1450	16200	1.00	481/2	✓	✓	✓	✓	✓			2KJ3605 - ■■■■■■ - ■■ J2
222.00	6.5	1450	16200	1.18	222/1	✓	✓	✓	✓	✓			2KJ3605 - ■■■■■■ - ■■ H2
203.36	7.1	1450	16200	1.52	2847/14	✓	✓	✓	✓	✓	✓		2KJ3605 - ■■■■■■ - ■■ G2
170.62	8.5	1360	16300	1.67	1365/8	✓	✓	✓	✓	✓	✓		2KJ3605 - ■■■■■■ - ■■ F2
160.59	9	1330	16300	1.91	2730/17	✓	✓	✓	✓	✓	✓		2KJ3605 - ■■■■■■ - ■■ E2
147.33	9.8	1280	16300	2.10	442/3	✓	✓	✓	✓	✓	✓		2KJ3605 - ■■■■■■ - ■■ D2
128.70	11	1190	16300	3.00	1287/10	✓	✓	✓	✓	✓	✓		2KJ3605 - ■■■■■■ - ■■ C2
115.23	13	1120	15900	3.70	2535/22		✓	✓	✓	✓	✓		2KJ3605 - ■■■■■■ - ■■ B2
100.75	14	1050	15300	4.40	403/4		✓	✓	✓	✓	✓		2KJ3605 - ■■■■■■ - ■■ A2
86.48	17	985	14600	4.90	1989/23		✓	✓	✓	✓	✓		2KJ3605 - ■■■■■■ - ■■ X1
76.44	19	930	14100	6.30	1911/25		✓	✓	✓	✓	✓		2KJ3605 - ■■■■■■ - ■■ W1
65.00	22	865	13400	8.10	65/1				✓	✓	✓		2KJ3605 - ■■■■■■ - ■■ V1
55.61	26	1450	8630	0.89	1001/18	✓	✓	✓	✓	✓			2KJ3605 - ■■■■■■ - ■■ U1
50.00	29	1430	8160	1.02	50/1	✓	✓	✓	✓	✓			2KJ3605 - ■■■■■■ - ■■ T1
45.22	32	1380	7910	1.15	407/9	✓	✓	✓	✓	✓			2KJ3605 - ■■■■■■ - ■■ S1
41.74	35	1340	7720	1.35	1628/39	✓	✓	✓	✓	✓			2KJ3605 - ■■■■■■ - ■■ R1
38.24	38	1300	7510	1.73	803/21	✓	✓	✓	✓	✓	✓		2KJ3605 - ■■■■■■ - ■■ Q1
32.08	45	1220	7110	1.97	385/12	✓	✓	✓	✓	✓	✓		2KJ3605 - ■■■■■■ - ■■ P1
30.20	48	1200	6950	2.20	1540/51	✓	✓	✓	✓	✓	✓		2KJ3605 - ■■■■■■ - ■■ N1
27.70	52	1140	6890	2.50	748/27	✓	✓	✓	✓	✓	✓		2KJ3605 - ■■■■■■ - ■■ M1
25.03	58	1090	5490	2.10	876/35	✓	✓	✓	✓	✓	✓		2KJ3605 - ■■■■■■ - ■■ L1
21.00	69	1070	4480	2.50	21/1	✓	✓	✓	✓	✓	✓		2KJ3605 - ■■■■■■ - ■■ K1
19.76	73	1120	3400	2.80	336/17	✓	✓	✓	✓	✓	✓		2KJ3605 - ■■■■■■ - ■■ J1
18.13	80	1110	3180	3.20	272/15	✓	✓	✓	✓	✓	✓		2KJ3605 - ■■■■■■ - ■■ H1
15.84	92	1110	4150	4.40	396/25	✓	✓	✓	✓	✓	✓		2KJ3605 - ■■■■■■ - ■■ G1
14.18	102	1070	4810	5.40	156/11		✓	✓	✓	✓	✓		2KJ3605 - ■■■■■■ - ■■ F1
12.40	117	1010	5490	6.60	62/5		✓	✓	✓	✓	✓		2KJ3605 - ■■■■■■ - ■■ E1
10.64	136	960	5620	8.00	1224/115		✓	✓	✓	✓	✓		2KJ3605 - ■■■■■■ - ■■ D1
9.41	154	915	5680	10.00	1176/125		✓	✓	✓	✓	✓		2KJ3605 - ■■■■■■ - ■■ C1
8.00	181	840	5710	14.00	8/1				✓	✓	✓		2KJ3605 - ■■■■■■ - ■■ B1
6.86	211	720	5690	18.00	48/7					✓	✓	✓	2KJ3605 - ■■■■■■ - ■■ A1

Article No. supplement

Shaft design	1 or 9	see page 10/51
Motor frame size, motor type, efficiency class		see chapter 9
Frequency and voltage	2 or 9	see page 11/2
Gearbox mounting type	A, F, H or D	see page 10/42

Selection and ordering data

<i>i</i>	n_2 rpm	T_{2N} Nm	F_{R2} N	J_G 10^{-4} kgm ²	R_{ex} –	Motor frame size							Article No. (Article No. supplement, see below)
						63	71	80	90	100	112	132	
C.29-Z19													
1744	0.83	87	4240	0.02	1020272/585	✓	✓						2KJ3620 - ■■■■■■ - ■■ S1
1544	0.94	87	4240	0.03	501908/325	✓	✓	✓					2KJ3620 - ■■■■■■ - ■■ R1
1342	1.1	88	4240	0.04	436084/325	✓	✓	✓					2KJ3620 - ■■■■■■ - ■■ Q1
1220	1.2	88	4240	0.05	79288/65	✓	✓	✓					2KJ3620 - ■■■■■■ - ■■ P1
1038	1.4	89	4230	0.07	337348/325	✓	✓	✓					2KJ3620 - ■■■■■■ - ■■ N1
944	1.5	90	4230	0.08	61336/65	✓	✓	✓					2KJ3620 - ■■■■■■ - ■■ M1
823	1.8	90	4230	0.09	4114/5	✓	✓	✓					2KJ3620 - ■■■■■■ - ■■ L1
736	2.0	91	4220	0.12	47872/65	✓	✓	✓					2KJ3620 - ■■■■■■ - ■■ K1
654	2.2	91	4220	0.15	127534/195	✓	✓	✓					2KJ3620 - ■■■■■■ - ■■ J1
604	2.4	91	4220	0.18	510136/845	✓	✓	✓					2KJ3620 - ■■■■■■ - ■■ H1
524	2.8	92	4220	0.20	238612/455	✓	✓	✓					2KJ3620 - ■■■■■■ - ■■ G1
456	3.2	93	4210	0.21	148104/325	✓	✓	✓					2KJ3620 - ■■■■■■ - ■■ F1
411	3.5	93	4210	0.27	2057/5	✓	✓	✓					2KJ3620 - ■■■■■■ - ■■ E1
387	3.7	93	4210	0.32	1936/5	✓	✓	✓					2KJ3620 - ■■■■■■ - ■■ D1
337.56	4.3	94	4210	0.36	65824/195	✓	✓	✓					2KJ3620 - ■■■■■■ - ■■ C1
311.44	4.7	94	4210	0.19	255068/819	✓	✓	✓					2KJ3620 - ■■■■■■ - ■■ B1
270.54	5.4	95	4200	0.22	119306/441	✓	✓	✓					2KJ3620 - ■■■■■■ - ■■ A1
C.29-D19													
9219	0.16	80	4280	0.02	37750064/4095	✓	✓						2KJ3621 - ■■■■■■ - ■■ Q1
8163	0.18	80	4280	0.03	18570596/2275	✓	✓						2KJ3621 - ■■■■■■ - ■■ P1
7092	0.20	81	4270	0.04	16135108/2275	✓	✓						2KJ3621 - ■■■■■■ - ■■ N1
6448	0.22	81	4270	0.04	2933656/455	✓	✓						2KJ3621 - ■■■■■■ - ■■ M1
5487	0.26	82	4270	0.06	12481876/2275	✓	✓						2KJ3621 - ■■■■■■ - ■■ L1
4988	0.29	82	4270	0.07	2269432/455	✓	✓						2KJ3621 - ■■■■■■ - ■■ K1
4349	0.33	83	4260	0.08	152218/35	✓	✓						2KJ3621 - ■■■■■■ - ■■ J1
3893	0.37	84	4260	0.11	1771264/455	✓	✓						2KJ3621 - ■■■■■■ - ■■ H1
3457	0.42	84	4260	0.13	4718758/1365	✓	✓						2KJ3621 - ■■■■■■ - ■■ G1
3191	0.45	84	4260	0.16	18875032/5915	✓	✓						2KJ3621 - ■■■■■■ - ■■ F1
2772	0.52	85	4250	0.17	8828644/3185	✓	✓						2KJ3621 - ■■■■■■ - ■■ E1
2409	0.60	86	4250	0.18	5479848/2275	✓	✓						2KJ3621 - ■■■■■■ - ■■ D1
2175	0.67	86	4250	0.22	76109/35	✓	✓						2KJ3621 - ■■■■■■ - ■■ C1
2047	0.71	86	4250	0.26	71632/35	✓	✓						2KJ3621 - ■■■■■■ - ■■ B1
1784	0.81	87	4240	0.29	2435488/1365	✓	✓						2KJ3621 - ■■■■■■ - ■■ A1

Article No. supplement

Shaft design	1 or 9	see page 10/51
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SIMOGEAR geared motors

Helical worm geared motors

Transmission ratios and torques for very low speeds

Selection and ordering data

<i>i</i>	n_2 rpm	T_{2N} Nm	F_{R2} N	J_G 10^{-4} kgm ²	R_{ex} –	Motor frame size							Article No. (Article No. supplement, see below)
						63	71	80	90	100	112	132	
C.39A-Z19													
1744	0.83	169	6270	0.02	1020272/585	✓	✓						2KJ3652 - ■■■■■■ - ■■ S1
1544	0.94	171	6260	0.03	501908/325	✓	✓	✓					2KJ3652 - ■■■■■■ - ■■ R1
1342	1.1	173	6250	0.04	436084/325	✓	✓	✓					2KJ3652 - ■■■■■■ - ■■ Q1
1220	1.2	173	6250	0.05	79288/65	✓	✓	✓					2KJ3652 - ■■■■■■ - ■■ P1
1038	1.4	175	6240	0.07	337348/325	✓	✓	✓					2KJ3652 - ■■■■■■ - ■■ N1
944	1.5	175	6240	0.08	61336/65	✓	✓	✓					2KJ3652 - ■■■■■■ - ■■ M1
823	1.8	176	6240	0.09	4114/5	✓	✓	✓					2KJ3652 - ■■■■■■ - ■■ L1
736	2.0	177	6240	0.12	47872/65	✓	✓	✓					2KJ3652 - ■■■■■■ - ■■ K1
654	2.2	178	6230	0.15	127534/195	✓	✓	✓					2KJ3652 - ■■■■■■ - ■■ J1
604	2.4	179	6230	0.18	510136/845	✓	✓	✓					2KJ3652 - ■■■■■■ - ■■ H1
524	2.8	180	6230	0.20	238612/455	✓	✓	✓					2KJ3652 - ■■■■■■ - ■■ G1
456	3.2	181	6220	0.21	148104/325	✓	✓	✓					2KJ3652 - ■■■■■■ - ■■ F1
411	3.5	182	6220	0.27	2057/5	✓	✓	✓					2KJ3652 - ■■■■■■ - ■■ E1
387	3.7	182	6220	0.32	1936/5	✓	✓	✓					2KJ3652 - ■■■■■■ - ■■ D1
337.56	4.3	183	6210	0.36	65824/195	✓	✓	✓					2KJ3652 - ■■■■■■ - ■■ C1
311.44	4.7	184	6210	0.19	255068/819	✓	✓	✓					2KJ3652 - ■■■■■■ - ■■ B1
270.54	5.4	185	6210	0.22	119306/441	✓	✓	✓					2KJ3652 - ■■■■■■ - ■■ A1
C.39A-D19													
11553	0.13	160	6300	0.06	150183/13	✓	✓						2KJ3653 - ■■■■■■ - ■■ S1
10502	0.14	160	6300	0.07	136530/13	✓	✓						2KJ3653 - ■■■■■■ - ■■ R1
9219	0.16	156	6320	0.02	37750064/4095	✓	✓						2KJ3653 - ■■■■■■ - ■■ Q1
8163	0.18	157	6310	0.03	18570596/2275	✓	✓						2KJ3653 - ■■■■■■ - ■■ P1
7092	0.20	157	6310	0.04	16135108/2275	✓	✓						2KJ3653 - ■■■■■■ - ■■ N1
6448	0.22	158	6310	0.04	2933656/455	✓	✓						2KJ3653 - ■■■■■■ - ■■ M1
5487	0.26	159	6300	0.06	12481876/2275	✓	✓						2KJ3653 - ■■■■■■ - ■■ L1
4988	0.29	159	6300	0.07	2269432/455	✓	✓						2KJ3653 - ■■■■■■ - ■■ K1
4349	0.33	160	6300	0.08	152218/35	✓	✓						2KJ3653 - ■■■■■■ - ■■ J1
3893	0.37	161	6300	0.11	1771264/455	✓	✓						2KJ3653 - ■■■■■■ - ■■ H1
3457	0.42	161	6300	0.13	4718758/1365	✓	✓						2KJ3653 - ■■■■■■ - ■■ G1
3191	0.45	162	6290	0.16	18875032/5915	✓	✓						2KJ3653 - ■■■■■■ - ■■ F1
2772	0.52	163	6290	0.17	8828644/3185	✓	✓						2KJ3653 - ■■■■■■ - ■■ E1
2409	0.60	165	6280	0.18	5479848/2275	✓	✓						2KJ3653 - ■■■■■■ - ■■ D1
2175	0.67	166	6280	0.22	76109/35	✓	✓						2KJ3653 - ■■■■■■ - ■■ C1
2047	0.71	167	6270	0.26	71632/35	✓	✓						2KJ3653 - ■■■■■■ - ■■ B1
1784	0.81	169	6270	0.29	2435488/1365	✓	✓						2KJ3653 - ■■■■■■ - ■■ A1

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SIMOGEAR geared motors

Helical worm geared motors

Transmission ratios and torques for very low speeds

Selection and ordering data

<i>i</i>	<i>n</i> ₂ rpm	<i>T</i> _{2N} Nm	<i>F</i> _{R2} N	<i>J</i> _G 10 ⁻⁴ kgm ²	<i>R</i> _{ex} –	Motor frame size							Article No. (Article No. supplement, see below)
						63	71	80	90	100	112	132	
C.49-Z19													
2819	0.51	285	8600	0.02	42284/15	✓	✓						2KJ3624 - ■■■■■■ - ■■ V1
2496	0.58	290	8590	0.03	62403/25	✓	✓	✓					2KJ3624 - ■■■■■■ - ■■ U1
2169	0.67	295	8570	0.04	54219/25	✓	✓	✓					2KJ3624 - ■■■■■■ - ■■ T1
1972	0.74	295	8570	0.05	9858/5	✓	✓	✓					2KJ3624 - ■■■■■■ - ■■ S1
1678	0.86	305	8540	0.07	41943/25	✓	✓	✓					2KJ3624 - ■■■■■■ - ■■ R1
1525	0.95	305	8540	0.08	7626/5	✓	✓	✓					2KJ3624 - ■■■■■■ - ■■ Q1
1330	1.1	315	8510	0.10	13299/10	✓	✓	✓					2KJ3624 - ■■■■■■ - ■■ P1
1190	1.2	320	8500	0.13	5952/5	✓	✓	✓					2KJ3624 - ■■■■■■ - ■■ N1
1057	1.4	325	8480	0.15	10571/10	✓	✓	✓					2KJ3624 - ■■■■■■ - ■■ M1
976	1.5	330	8470	0.18	63426/65	✓	✓	✓					2KJ3624 - ■■■■■■ - ■■ L1
848	1.7	340	8440	0.21	29667/35	✓	✓	✓					2KJ3624 - ■■■■■■ - ■■ K1
737	2.0	340	8440	0.21	18414/25	✓	✓	✓					2KJ3624 - ■■■■■■ - ■■ J1
665	2.2	340	8440	0.27	13299/20	✓	✓	✓					2KJ3624 - ■■■■■■ - ■■ H1
626	2.3	345	8430	0.32	53196/85	✓	✓	✓					2KJ3624 - ■■■■■■ - ■■ G1
546	2.7	345	8430	0.37	2728/5	✓	✓	✓					2KJ3624 - ■■■■■■ - ■■ F1
503	2.9	345	8430	0.20	10571/21	✓	✓	✓					2KJ3624 - ■■■■■■ - ■■ E1
437	3.3	345	8430	0.23	128557/294	✓	✓	✓					2KJ3624 - ■■■■■■ - ■■ D1
380	3.8	350	8410	0.24	13299/35	✓	✓	✓					2KJ3624 - ■■■■■■ - ■■ C1
343.03	4.2	350	8410	0.31	57629/168	✓	✓	✓					2KJ3624 - ■■■■■■ - ■■ B1
322.85	4.5	350	8410	0.36	115258/357	✓	✓	✓					2KJ3624 - ■■■■■■ - ■■ A1
C.49-D19													
11463	0.13	270	8640	0.04	2006103/175	✓	✓						2KJ3625 - ■■■■■■ - ■■ N1
10421	0.14	270	8640	0.04	364746/35	✓	✓						2KJ3625 - ■■■■■■ - ■■ M1
8868	0.16	270	8640	0.06	1551891/175	✓	✓						2KJ3625 - ■■■■■■ - ■■ L1
8062	0.18	270	8640	0.07	282162/35	✓	✓						2KJ3625 - ■■■■■■ - ■■ K1
7029	0.21	275	8630	0.08	492063/70	✓	✓						2KJ3625 - ■■■■■■ - ■■ J1
6292	0.23	275	8630	0.11	220224/35	✓	✓						2KJ3625 - ■■■■■■ - ■■ H1
5588	0.26	275	8630	0.13	391127/70	✓	✓						2KJ3625 - ■■■■■■ - ■■ G1
5158	0.28	275	8630	0.16	2346762/455	✓	✓						2KJ3625 - ■■■■■■ - ■■ F1
4480	0.32	280	8610	0.17	1097679/245	✓	✓						2KJ3625 - ■■■■■■ - ■■ E1
3893	0.37	280	8730	0.18	681318/175	✓	✓						2KJ3625 - ■■■■■■ - ■■ D1
3515	0.41	280	8610	0.22	492063/140	✓	✓						2KJ3625 - ■■■■■■ - ■■ C1
3308	0.44	285	8600	0.26	1968252/595	✓	✓						2KJ3625 - ■■■■■■ - ■■ B1
2884	0.50	285	8600	0.29	100936/35	✓	✓						2KJ3625 - ■■■■■■ - ■■ A1

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SIMOGEAR geared motors

Helical worm geared motors

Transmission ratios and torques for very low speeds

Selection and ordering data

<i>i</i>	<i>n</i> ₂ rpm	<i>T</i> _{2N} Nm	<i>F</i> _{R2} N	<i>J</i> _G 10 ⁻⁴ kgm ²	<i>R</i> _{ex} –	Motor frame size							Article No. (Article No. supplement, see below)
						63	71	80	90	100	112	132	
C.69-Z19													
3585	0.40	505	11000	0.02	139810/39	✓	✓						2KJ3626 - ■■■■■■ - ■■ V1
3174	0.46	510	11000	0.03	82533/26	✓	✓	✓					2KJ3626 - ■■■■■■ - ■■ U1
2758	0.53	510	11000	0.04	71709/26	✓	✓	✓					2KJ3626 - ■■■■■■ - ■■ T1
2507	0.58	515	11000	0.05	32595/13	✓	✓	✓					2KJ3626 - ■■■■■■ - ■■ S1
2134	0.68	515	11000	0.07	55473/26	✓	✓	✓					2KJ3626 - ■■■■■■ - ■■ R1
1940	0.75	520	11000	0.08	25215/13	✓	✓	✓					2KJ3626 - ■■■■■■ - ■■ Q1
1691	0.86	520	11000	0.09	6765/4	✓	✓	✓					2KJ3626 - ■■■■■■ - ■■ P1
1514	0.96	525	11000	0.12	19680/13	✓	✓	✓					2KJ3626 - ■■■■■■ - ■■ N1
1344	1.1	530	11000	0.15	69905/52	✓	✓	✓					2KJ3626 - ■■■■■■ - ■■ M1
1241	1.2	530	11000	0.18	209715/169	✓	✓	✓					2KJ3626 - ■■■■■■ - ■■ L1
1078	1.3	535	10900	0.20	196185/182	✓	✓	✓					2KJ3626 - ■■■■■■ - ■■ K1
937	1.5	540	10900	0.21	12177/13	✓	✓	✓					2KJ3626 - ■■■■■■ - ■■ J1
846	1.7	545	10900	0.27	6765/8	✓	✓	✓					2KJ3626 - ■■■■■■ - ■■ H1
796	1.8	550	10900	0.32	13530/17	✓	✓	✓					2KJ3626 - ■■■■■■ - ■■ G1
694	2.1	555	10900	0.36	9020/13	✓	✓	✓					2KJ3626 - ■■■■■■ - ■■ F1
640	2.3	560	10900	0.19	349525/546	✓	✓	✓					2KJ3626 - ■■■■■■ - ■■ E1
556	2.6	570	10900	0.22	326975/588	✓	✓	✓					2KJ3626 - ■■■■■■ - ■■ D1
483	3.0	580	10800	0.23	6765/14	✓	✓	✓					2KJ3626 - ■■■■■■ - ■■ C1
436	3.3	585	10800	0.29	146575/336	✓	✓	✓					2KJ3626 - ■■■■■■ - ■■ B1
411	3.5	590	10800	0.35	146575/357	✓	✓	✓					2KJ3626 - ■■■■■■ - ■■ A1
C.69-D19													
18949	0.08	495	11000	0.02	5172970/273	✓	✓						2KJ3627 - ■■■■■■ - ■■ Q1
16779	0.09	495	11000	0.03	3053721/182	✓	✓						2KJ3627 - ■■■■■■ - ■■ P1
14578	0.10	495	11000	0.04	2653233/182	✓	✓						2KJ3627 - ■■■■■■ - ■■ N1
13253	0.11	495	11000	0.04	1206015/91	✓	✓						2KJ3627 - ■■■■■■ - ■■ M1
11277	0.13	500	11000	0.06	2052501/182	✓	✓						2KJ3627 - ■■■■■■ - ■■ L1
10252	0.14	500	11000	0.07	932955/91	✓	✓						2KJ3627 - ■■■■■■ - ■■ K1
8939	0.16	500	11000	0.08	250305/28	✓	✓						2KJ3627 - ■■■■■■ - ■■ J1
8002	0.18	500	12200	0.11	728160/91	✓	✓						2KJ3627 - ■■■■■■ - ■■ H1
7106	0.20	500	11000	0.13	2586485/364	✓	✓						2KJ3627 - ■■■■■■ - ■■ G1
6559	0.22	500	11000	0.16	7759455/1183	✓	✓						2KJ3627 - ■■■■■■ - ■■ F1
5698	0.25	500	11000	0.17	7258845/1274	✓	✓						2KJ3627 - ■■■■■■ - ■■ E1
4951	0.29	505	11000	0.18	450549/91	✓	✓						2KJ3627 - ■■■■■■ - ■■ D1
4470	0.32	505	11000	0.22	250305/56	✓	✓						2KJ3627 - ■■■■■■ - ■■ C1
4207	0.34	505	11000	0.26	500610/119	✓	✓						2KJ3627 - ■■■■■■ - ■■ B1
3667	0.40	505	11000	0.29	333740/91	✓	✓						2KJ3627 - ■■■■■■ - ■■ A1

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Transmission ratios and torques for very low speeds

Selection and ordering data

<i>i</i>	<i>n</i> ₂ rpm	<i>T</i> _{2N} Nm	<i>F</i> _{R2} N	<i>J</i> _G 10 ⁻⁴ kgm ²	<i>R</i> _{ex} –	Motor frame size							Article No. (Article No. supplement, see below)
						63	71	80	90	100	112	132	
C.89-Z39													
3111	0.47	1120	16300	0.06	7560553/2430	✓	✓						2KJ3628 - ■■■■■■ - ■■ T1
2766	0.52	1120	16300	0.07	3734731/1350	✓	✓	✓	✓				2KJ3628 - ■■■■■■ - ■■ S1
2429	0.60	1130	16300	0.08	182182/75	✓	✓	✓	✓				2KJ3628 - ■■■■■■ - ■■ R1
2208	0.66	1130	16300	0.10	33124/15	✓	✓	✓	✓				2KJ3628 - ■■■■■■ - ■■ Q1
1889	0.77	1140	16300	0.12	1275274/675	✓	✓	✓	✓				2KJ3628 - ■■■■■■ - ■■ P1
1718	0.84	1150	16300	0.14	231868/135	✓	✓	✓	✓				2KJ3628 - ■■■■■■ - ■■ N1
1518	0.96	1150	16300	0.17	91091/60	✓	✓	✓	✓	✓			2KJ3628 - ■■■■■■ - ■■ M1
1380	1.1	1160	16300	0.22	8281/6	✓	✓	✓	✓	✓			2KJ3628 - ■■■■■■ - ■■ L1
1209	1.2	1170	16300	0.26	3916913/3240	✓	✓	✓	✓	✓			2KJ3628 - ■■■■■■ - ■■ K1
1116	1.3	1170	16300	0.31	303301/270	✓	✓	✓	✓	✓			2KJ3628 - ■■■■■■ - ■■ J1
988	1.5	1180	16300	0.36	533533/540	✓	✓	✓	✓	✓			2KJ3628 - ■■■■■■ - ■■ H1
822	1.8	1200	16300	0.48	1184183/1440	✓	✓	✓	✓	✓			2KJ3628 - ■■■■■■ - ■■ G1
774	1.9	1210	16300	0.56	1184183/1530	✓	✓	✓	✓	✓			2KJ3628 - ■■■■■■ - ■■ F1
693	2.1	1220	16300	0.61	3370367/4860	✓	✓	✓	✓	✓			2KJ3628 - ■■■■■■ - ■■ E1
590	2.5	1230	16300	0.79	637637/1080	✓	✓	✓	✓	✓			2KJ3628 - ■■■■■■ - ■■ D1
506	2.9	1260	16300	1.03	91091/180			✓	✓	✓			2KJ3628 - ■■■■■■ - ■■ C1
436	3.3	1280	16300	1.31	2823821/6480			✓	✓	✓			2KJ3628 - ■■■■■■ - ■■ B1
360	4.0	1310	16300	0.59	793793/2208	✓	✓	✓	✓	✓			2KJ3628 - ■■■■■■ - ■■ A1
C.89-D39													
18243	0.08	850	16300	0.05	93039401/5100	✓	✓	✓	✓				2KJ3630 - ■■■■■■ - ■■ R1
16585	0.09	855	16300	0.07	93039401/5610	✓	✓	✓	✓				2KJ3630 - ■■■■■■ - ■■ Q1
14223	0.10	860	16300	0.08	36269597/2550	✓	✓	✓	✓				2KJ3630 - ■■■■■■ - ■■ P1
13085	0.11	1100	16300	0.03	90088999/6885	✓	✓						2KJ3630 - ■■■■■■ - ■■ N1
11606	0.12	1100	16300	0.05	7833826/675	✓	✓	✓	✓				2KJ3630 - ■■■■■■ - ■■ M1
10070	0.14	1100	16300	0.05	231097867/22950	✓	✓	✓	✓				2KJ3630 - ■■■■■■ - ■■ L1
9154	0.16	1100	16300	0.07	21008897/2295	✓	✓	✓	✓				2KJ3630 - ■■■■■■ - ■■ K1
7851	0.18	1100	16300	0.08	90088999/11475	✓	✓	✓	✓				2KJ3630 - ■■■■■■ - ■■ J1
7137	0.20	1100	16300	0.10	16379818/2295	✓	✓	✓	✓				2KJ3630 - ■■■■■■ - ■■ H1
6258	0.23	1110	16300	0.12	43086043/6885	✓	✓	✓	✓	✓			2KJ3630 - ■■■■■■ - ■■ G1
5586	0.26	1110	16300	0.15	1424332/255	✓	✓	✓	✓	✓			2KJ3630 - ■■■■■■ - ■■ F1
4978	0.29	1110	16300	0.17	27418391/5508	✓	✓	✓	✓	✓			2KJ3630 - ■■■■■■ - ■■ E1
4595	0.32	1110	16300	0.21	2109107/459	✓	✓	✓	✓	✓			2KJ3630 - ■■■■■■ - ■■ D1
4023	0.36	1110	16300	0.25	6155149/1530	✓	✓	✓	✓	✓			2KJ3630 - ■■■■■■ - ■■ C1
3527	0.41	1120	16300	0.23	121424303/34425	✓	✓	✓	✓	✓			2KJ3630 - ■■■■■■ - ■■ B1
3200	0.45	1120	16300	0.33	3916913/1224	✓	✓	✓	✓	✓			2KJ3630 - ■■■■■■ - ■■ A1

Article No. supplement

Shaft design	1 or 9	see page 10/51
Motor frame size, motor type, efficiency class		see chapter 9
Frequency and voltage	2 or 9	see page 11/2
Gearbox mounting type	A, F, H or D	see page 10/42

SIMOGEAR geared motors

Helical worm geared motors

Efficiencies

Selection and ordering data

i	$n_{\text{mot}} = 2800 \text{ rpm}$				$n_{\text{mot}} = 1400 \text{ rpm}$				$n_{\text{mot}} = 900 \text{ rpm}$				Article No. (Article No. supplement, see below)
	n_2 rpm	T_{2N} Nm	P_{mot} kW	η %	n_2 rpm	T_{2N} Nm	P_{mot} kW	η %	n_2 rpm	T_{2N} Nm	P_{mot} kW	η %	
C.29													
265.20	10.6	110	0.17	73	5.3	108	0.09	65	3.4	106	0.06	59	2KJ3601 - ■■■■■■ - ■■ M2
230.10	12.2	110	0.19	74	6.1	108	0.10	67	3.9	106	0.07	61	2KJ3601 - ■■■■■■ - ■■ L2
209.18	13.4	110	0.21	75	6.7	109	0.11	68	4.3	107	0.08	62	2KJ3601 - ■■■■■■ - ■■ K2
179.40	15.6	110	0.24	76	7.8	109	0.13	70	5.0	107	0.09	64	2KJ3601 - ■■■■■■ - ■■ J2
163.09	17.2	110	0.26	76	8.6	110	0.14	71	5.5	108	0.10	65	2KJ3601 - ■■■■■■ - ■■ H2
143.00	19.6	110	0.30	76	9.8	110	0.16	72	6.3	108	0.11	67	2KJ3601 - ■■■■■■ - ■■ G2
127.64	22	110	0.33	76	11.0	110	0.17	73	7.1	109	0.12	68	2KJ3601 - ■■■■■■ - ■■ F2
113.75	25	110	0.38	76	12.3	110	0.19	74	7.9	109	0.13	70	2KJ3601 - ■■■■■■ - ■■ E2
105.00	27	110	0.41	76	13.3	110	0.21	74	8.6	110	0.14	70	2KJ3601 - ■■■■■■ - ■■ D2
91.93	30	110	0.46	76	15.2	110	0.23	75	9.8	110	0.16	72	2KJ3601 - ■■■■■■ - ■■ C2
80.60	35	105	0.51	76	17.4	110	0.27	75	11.2	110	0.18	73	2KJ3601 - ■■■■■■ - ■■ B2
73.12	38	101	0.53	76	19.1	110	0.29	75	12.3	110	0.19	74	2KJ3601 - ■■■■■■ - ■■ A2
68.82	41	99	0.56	76	20	110	0.31	75	13.1	110	0.21	74	2KJ3601 - ■■■■■■ - ■■ X1
60.67	46	95	0.61	75	23	110	0.35	76	14.8	110	0.23	74	2KJ3601 - ■■■■■■ - ■■ W1
52.65	53	90	0.67	75	27	110	0.41	76	17.1	110	0.26	75	2KJ3601 - ■■■■■■ - ■■ V1
49.87	56	105	0.69	90	28	102	0.34	87	18	100	0.22	84	2KJ3601 - ■■■■■■ - ■■ U1
43.27	65	106	0.80	90	32	103	0.39	88	21	101	0.26	86	2KJ3601 - ■■■■■■ - ■■ T1
39.33	71	106	0.88	90	36	103	0.44	89	23	101	0.28	86	2KJ3601 - ■■■■■■ - ■■ S1
33.73	83	107	1.00	90	42	104	0.51	89	27	102	0.33	87	2KJ3601 - ■■■■■■ - ■■ R1
32.64	86	92	0.91	92	43	90	0.45	90	28	88	0.30	87	2KJ3601 - ■■■■■■ - ■■ Q1
28.32	99	93	1.10	92	49	90	0.51	90	32	89	0.34	88	2KJ3601 - ■■■■■■ - ■■ P1
25.75	109	93	1.20	92	54	90	0.57	91	35	89	0.37	89	2KJ3601 - ■■■■■■ - ■■ N1
22.08	127	94	1.40	92	63	91	0.66	91	41	89	0.43	89	2KJ3601 - ■■■■■■ - ■■ M1
20.07	140	94	1.50	92	70	91	0.74	91	45	90	0.47	90	2KJ3601 - ■■■■■■ - ■■ L1
17.60	159	93	1.7*	92	80	92	0.85	92	51	90	0.54	90	2KJ3601 - ■■■■■■ - ■■ K1
15.71	178	89	1.8*	92	89	92	0.95	92	57	91	0.60	91	2KJ3601 - ■■■■■■ - ■■ J1
14.00	200	86	2.0*	92	100	93	1.10	92	64	91	0.67	91	2KJ3601 - ■■■■■■ - ■■ H1
12.92	217	83	2.1*	92	108	93	1.20	92	70	91	0.74	91	2KJ3601 - ■■■■■■ - ■■ G1
11.31	248	79	2.3*	92	124	94	1.30	92	80	92	0.85	91	2KJ3601 - ■■■■■■ - ■■ F1
9.92	282	74	2.4*	91	141	94	1.50	92	91	92	0.97	91	2KJ3601 - ■■■■■■ - ■■ E1
9.00	311	71	2.6*	92	156	90	1.6*	92	100	93	1.10	92	2KJ3601 - ■■■■■■ - ■■ D1
8.47	331	70	2.7*	91	165	88	1.7*	92	106	93	1.10	92	2KJ3601 - ■■■■■■ - ■■ C1
7.47	375	66	2.8*	91	187	83	1.8*	92	120	93	1.30	92	2KJ3601 - ■■■■■■ - ■■ B1
6.48	432	62	3.1*	91	216	78	1.9*	92	139	91	1.40	92	2KJ3601 - ■■■■■■ - ■■ A1

Article No. supplement

Shaft design	1 or 9	see page 10/51
Motor frame size, motor type, efficiency class		see chapter 9
Frequency and voltage	2 or 9	see page 11/2
Gearbox mounting type	A, F, H or D	see page 10/42

* $P_{\text{mot max}} = 1.5 \text{ kW}$

Selection and ordering data

i –	$n_{\text{mot}} = 700 \text{ rpm}$				$n_{\text{mot}} = 500 \text{ rpm}$				$n_{\text{mot}} = 100 \text{ rpm}$				Article No. (Article No. supplement, see below)
	n_2 rpm	T_2N Nm	P_{mot} kW	η %	n_2 rpm	T_2N Nm	P_{mot} kW	η %	n_2 rpm	T_2N Nm	P_{mot} kW	η %	
C.29													
265.20	2.6	104	<0.06	57	1.9	103	<0.06	54	0.38	95	<0.06	47	2KJ3601 - ■■■■■■ - ■■ M2
230.10	3	105	0.06	58	2.2	104	<0.06	55	0.43	96	<0.06	48	2KJ3601 - ■■■■■■ - ■■ L2
209.18	3.3	105	0.06	59	2.4	104	<0.06	56	0.48	97	<0.06	48	2KJ3601 - ■■■■■■ - ■■ K2
179.40	3.9	106	0.07	61	2.8	105	<0.06	57	0.56	97	<0.06	48	2KJ3601 - ■■■■■■ - ■■ J2
163.09	4.3	107	0.08	62	3.1	105	0.06	58	0.61	98	<0.06	48	2KJ3601 - ■■■■■■ - ■■ H2
143.00	4.9	107	0.09	64	3.5	106	0.07	59	0.70	98	<0.06	48	2KJ3601 - ■■■■■■ - ■■ G2
127.64	5.5	108	0.10	65	3.9	106	0.07	61	0.78	99	<0.06	49	2KJ3601 - ■■■■■■ - ■■ F2
113.75	6.2	108	0.11	66	4.4	107	0.08	62	0.88	99	<0.06	49	2KJ3601 - ■■■■■■ - ■■ E2
105.00	6.7	109	0.11	67	4.8	107	0.09	63	0.95	100	<0.06	49	2KJ3601 - ■■■■■■ - ■■ D2
91.93	7.6	109	0.13	69	5.4	108	0.09	65	1.1	100	<0.06	50	2KJ3601 - ■■■■■■ - ■■ C2
80.60	8.7	110	0.14	70	6.2	108	0.11	66	1.2	101	<0.06	50	2KJ3601 - ■■■■■■ - ■■ B2
73.12	9.6	110	0.16	71	6.8	109	0.12	67	1.4	101	<0.06	51	2KJ3601 - ■■■■■■ - ■■ A2
68.82	10.2	110	0.16	72	7.3	109	0.12	68	1.5	102	<0.06	51	2KJ3601 - ■■■■■■ - ■■ X1
60.67	11.5	110	0.18	73	8.2	110	0.14	70	1.6	102	<0.06	52	2KJ3601 - ■■■■■■ - ■■ W1
52.65	13.3	110	0.21	74	9.5	110	0.15	71	1.9	103	<0.06	53	2KJ3601 - ■■■■■■ - ■■ V1
49.87	14.0	99	0.18	83	10.0	98	0.13	80	2.0	91	<0.06	73	2KJ3601 - ■■■■■■ - ■■ U1
43.27	16.2	100	0.20	84	11.6	98	0.15	81	2.3	91	<0.06	74	2KJ3601 - ■■■■■■ - ■■ T1
39.33	17.8	100	0.22	84	12.7	99	0.16	82	2.5	92	<0.06	74	2KJ3601 - ■■■■■■ - ■■ S1
33.73	21	101	0.26	85	14.8	99	0.19	83	3.0	92	<0.06	74	2KJ3601 - ■■■■■■ - ■■ R1
32.64	21	87	0.22	86	15.3	86	0.17	84	3.1	80	<0.06	77	2KJ3601 - ■■■■■■ - ■■ Q1
28.32	25	88	0.27	87	17.7	86	0.19	84	3.5	80	<0.06	78	2KJ3601 - ■■■■■■ - ■■ P1
25.75	27	88	0.29	87	19.4	87	0.21	85	3.9	81	<0.06	78	2KJ3601 - ■■■■■■ - ■■ N1
22.08	32	89	0.34	88	23	87	0.25	86	4.5	81	<0.06	78	2KJ3601 - ■■■■■■ - ■■ M1
20.07	35	89	0.37	89	25	88	0.27	87	5.0	82	<0.06	79	2KJ3601 - ■■■■■■ - ■■ L1
17.60	40	89	0.42	89	28	88	0.30	87	5.7	82	0.06	79	2KJ3601 - ■■■■■■ - ■■ K1
15.71	45	90	0.47	90	32	89	0.34	88	6.4	83	0.07	79	2KJ3601 - ■■■■■■ - ■■ J1
14.00	50	90	0.53	90	36	89	0.38	89	7.1	83	0.08	80	2KJ3601 - ■■■■■■ - ■■ H1
12.92	54	90	0.57	90	39	89	0.41	89	7.7	83	0.08	80	2KJ3601 - ■■■■■■ - ■■ G1
11.31	62	91	0.65	91	44	90	0.46	90	8.8	84	0.10	81	2KJ3601 - ■■■■■■ - ■■ F1
9.92	71	91	0.75	91	50	90	0.53	90	10.1	84	0.11	81	2KJ3601 - ■■■■■■ - ■■ E1
9.00	78	92	0.82	91	56	91	0.59	91	11.1	85	0.12	82	2KJ3601 - ■■■■■■ - ■■ D1
8.47	83	92	0.88	91	59	91	0.62	91	11.8	85	0.13	82	2KJ3601 - ■■■■■■ - ■■ C1
7.47	94	93	1.00	92	67	91	0.71	91	13.4	85	0.15	83	2KJ3601 - ■■■■■■ - ■■ B1
6.48	108	93	1.20	92	77	92	0.81	91	15.4	86	0.17	84	2KJ3601 - ■■■■■■ - ■■ A1

Article No. supplement

Shaft design	1 or 9	see page 10/51
Motor frame size, motor type, efficiency class		see chapter 9
Frequency and voltage	2 or 9	see page 11/2
Gearbox mounting type	A, F, H or D	see page 10/42

* $P_{\text{mot max}} = 1.5 \text{ kW}$

SIMOGEAR geared motors

Helical worm geared motors

Efficiencies

Selection and ordering data

i	$n_{\text{mot}} = 2800 \text{ rpm}$				$n_{\text{mot}} = 1400 \text{ rpm}$				$n_{\text{mot}} = 900 \text{ rpm}$				Article No. (Article No. supplement, see below)
	n_2 rpm	T_{2N} Nm	P_{mot} kW	η %	n_2 rpm	T_{2N} Nm	P_{mot} kW	η %	n_2 rpm	T_{2N} Nm	P_{mot} kW	η %	
C.39A													
299.00	9.4	194	0.27	71	4.7	192	0.15	64	3.0	189	0.10	58	2KJ3642 - ■■■■■■ - ■■ N2
265.20	10.6	194	0.30	72	5.3	192	0.16	66	3.4	190	0.11	60	2KJ3642 - ■■■■■■ - ■■ M2
230.10	12.2	194	0.34	73	6.1	193	0.18	68	3.9	191	0.13	62	2KJ3642 - ■■■■■■ - ■■ L2
209.18	13.4	194	0.38	73	6.7	193	0.20	68	4.3	191	0.14	63	2KJ3642 - ■■■■■■ - ■■ K2
179.40	15.6	194	0.44	73	7.8	193	0.23	70	5.0	192	0.16	65	2KJ3642 - ■■■■■■ - ■■ J2
163.09	17.2	194	0.48	73	8.6	193	0.25	71	5.5	192	0.17	66	2KJ3642 - ■■■■■■ - ■■ H2
143.00	19.6	194	0.55	73	9.8	194	0.28	71	6.3	193	0.19	68	2KJ3642 - ■■■■■■ - ■■ G2
127.64	22	194	0.61	73	11	194	0.31	72	7.1	193	0.21	69	2KJ3642 - ■■■■■■ - ■■ F2
113.75	25	181	0.66	73	12.3	194	0.35	72	7.9	193	0.23	70	2KJ3642 - ■■■■■■ - ■■ E2
105.00	27	175	0.68	73	13.3	194	0.37	72	8.6	193	0.25	70	2KJ3642 - ■■■■■■ - ■■ D2
91.93	30	165	0.72	72	15.2	194	0.43	72	9.8	194	0.28	71	2KJ3642 - ■■■■■■ - ■■ C2
80.60	35	157	0.80	72	17.4	194	0.49	73	11.2	194	0.32	72	2KJ3642 - ■■■■■■ - ■■ B2
73.12	38	150	0.84	72	19.1	189	0.52	73	12.3	194	0.35	72	2KJ3642 - ■■■■■■ - ■■ A2
68.82	41	147	0.88	72	20	185	0.53	73	13.1	194	0.37	72	2KJ3642 - ■■■■■■ - ■■ X1
60.67	46	139	0.94	72	23	175	0.58	73	14.8	194	0.41	73	2KJ3642 - ■■■■■■ - ■■ W1
52.65	53	131	1.00	72	27	166	0.65	73	17.1	192	0.47	73	2KJ3642 - ■■■■■■ - ■■ V1
49.87	56	195	1.30	89	28	198	0.66	89	18	194	0.41	89	2KJ3642 - ■■■■■■ - ■■ U1
43.27	65	196	1.50	89	32	199	0.75	89	21	196	0.49	89	2KJ3642 - ■■■■■■ - ■■ T1
39.33	71	196	1.60	89	36	200	0.85	89	23	196	0.53	89	2KJ3642 - ■■■■■■ - ■■ S1
33.73	83	196	1.90	89	42	200	1.00	89	27	197	0.63	89	2KJ3642 - ■■■■■■ - ■■ R1
32.64	86	200	2.00	91	43	210	1.00	91	28	205	0.68	90	2KJ3642 - ■■■■■■ - ■■ Q1
28.32	99	200	2.30	91	49	225	1.30	91	32	225	0.84	90	2KJ3642 - ■■■■■■ - ■■ P1
25.75	109	200	2.50	91	54	235	1.50	91	35	230	0.95	90	2KJ3642 - ■■■■■■ - ■■ N1
22.08	127	198	2.90	91	63	235	1.70	91	41	230	1.10	91	2KJ3642 - ■■■■■■ - ■■ M1
20.07	140	188	3.00	91	70	235	1.90	91	45	235	1.20	91	2KJ3642 - ■■■■■■ - ■■ L1
17.60	159	180	3.3*	91	80	225	2.10	92	51	235	1.40	91	2KJ3642 - ■■■■■■ - ■■ K1
15.71	178	172	3.5*	91	89	215	2.20	91	57	235	1.60	91	2KJ3642 - ■■■■■■ - ■■ J1
14.00	200	164	3.8*	91	100	205	2.40	91	64	235	1.70	92	2KJ3642 - ■■■■■■ - ■■ H1
12.92	217	159	4.0*	91	108	200	2.50	92	70	230	1.90	92	2KJ3642 - ■■■■■■ - ■■ G1
11.31	248	152	4.3*	91	124	192	2.70	91	80	220	2.00	92	2KJ3642 - ■■■■■■ - ■■ F1
9.92	282	145	4.7*	91	141	183	3.00	91	91	210	2.20	92	2KJ3642 - ■■■■■■ - ■■ E1
9.00	311	137	4.9*	91	156	177	3.2*	91	100	205	2.30	92	2KJ3642 - ■■■■■■ - ■■ D1
8.47	331	129	4.9*	91	165	173	3.3*	91	106	200	2.40	92	2KJ3642 - ■■■■■■ - ■■ C1
7.47	375	114	4.9*	91	187	166	3.6*	91	120	192	2.60	92	2KJ3642 - ■■■■■■ - ■■ B1
6.48	432	99	4.9*	91	216	157	3.9*	91	139	182	2.90	92	2KJ3642 - ■■■■■■ - ■■ A1

Article No. supplement

Shaft design	1 or 9	see page 10/51
Motor frame size, motor type, efficiency class		see chapter 9
Frequency and voltage	2 or 9	see page 11/2
Gearbox mounting type	A, F, H or D	see page 10/42

* $P_{\text{mot max}} = 1.5 \text{ kW}$

Selection and ordering data

i	$n_{\text{mot}} = 700 \text{ rpm}$				$n_{\text{mot}} = 500 \text{ rpm}$				$n_{\text{mot}} = 100 \text{ rpm}$				Article No. (Article No. supplement, see below)
	n_2 rpm	T_{2N} Nm	P_{mot} kW	η %	n_2 rpm	T_{2N} Nm	P_{mot} kW	η %	n_2 rpm	T_{2N} Nm	P_{mot} kW	η %	
C.39A													
299.00	2.3	187	0.08	55	1.7	184	0.06	52	0.33	170	<0.06	44	2KJ3642 - ■■■■■■ - ■■ N2
265.20	2.6	188	0.09	57	1.9	185	0.07	53	0.38	167	<0.06	44	2KJ3642 - ■■■■■■ - ■■ M2
230.10	3.0	189	0.10	58	2.2	186	0.08	54	0.43	164	<0.06	44	2KJ3642 - ■■■■■■ - ■■ L2
209.18	3.3	190	0.11	59	2.4	187	0.09	55	0.48	162	<0.06	44	2KJ3642 - ■■■■■■ - ■■ K2
179.40	3.9	191	0.13	62	2.8	188	0.10	57	0.56	160	<0.06	45	2KJ3642 - ■■■■■■ - ■■ J2
163.09	4.3	191	0.14	63	3.1	189	0.11	58	0.61	160	<0.06	45	2KJ3642 - ■■■■■■ - ■■ H2
143.00	4.9	192	0.15	64	3.5	190	0.12	60	0.70	160	<0.06	46	2KJ3642 - ■■■■■■ - ■■ G2
127.64	5.5	192	0.17	66	3.9	191	0.13	61	0.78	161	<0.06	46	2KJ3642 - ■■■■■■ - ■■ F2
113.75	6.2	193	0.19	67	4.4	191	0.14	63	0.88	162	<0.06	47	2KJ3642 - ■■■■■■ - ■■ E2
105.00	6.7	193	0.20	68	4.8	192	0.15	64	0.95	163	<0.06	47	2KJ3642 - ■■■■■■ - ■■ D2
91.93	7.6	193	0.22	69	5.4	192	0.17	66	1.1	166	<0.06	48	2KJ3642 - ■■■■■■ - ■■ C2
80.60	8.7	193	0.25	70	6.2	193	0.19	67	1.2	168	<0.06	49	2KJ3642 - ■■■■■■ - ■■ B2
73.12	9.6	194	0.28	71	6.8	193	0.20	68	1.4	170	<0.06	49	2KJ3642 - ■■■■■■ - ■■ A2
68.82	10.2	194	0.29	71	7.3	193	0.21	69	1.5	172	<0.06	50	2KJ3642 - ■■■■■■ - ■■ X1
60.67	11.5	194	0.32	72	8.2	193	0.24	70	1.6	176	0.06	51	2KJ3642 - ■■■■■■ - ■■ W1
52.65	13.3	194	0.37	73	9.5	194	0.27	71	1.9	180	0.07	53	2KJ3642 - ■■■■■■ - ■■ V1
49.87	14.0	192	0.32	88	10.0	190	0.23	86	2.0	177	0.06	66	2KJ3642 - ■■■■■■ - ■■ U1
43.27	16.2	194	0.37	88	11.6	191	0.27	87	2.3	178	0.06	67	2KJ3642 - ■■■■■■ - ■■ T1
39.33	17.8	194	0.41	88	12.7	192	0.29	88	2.5	179	0.07	68	2KJ3642 - ■■■■■■ - ■■ S1
33.73	21	196	0.49	89	14.8	193	0.34	88	3.0	180	0.08	71	2KJ3642 - ■■■■■■ - ■■ R1
32.64	21	200	0.51	88	15.3	197	0.37	86	3.1	174	0.08	76	2KJ3642 - ■■■■■■ - ■■ Q1
28.32	25	220	0.66	89	17.7	215	0.47	87	3.5	192	0.09	76	2KJ3642 - ■■■■■■ - ■■ P1
25.75	27	230	0.73	89	19.4	225	0.53	87	3.9	210	0.11	77	2KJ3642 - ■■■■■■ - ■■ N1
22.08	32	230	0.86	90	23	225	0.62	88	4.5	210	0.13	77	2KJ3642 - ■■■■■■ - ■■ M1
20.07	35	230	0.94	90	25	230	0.68	89	5.0	215	0.15	78	2KJ3642 - ■■■■■■ - ■■ L1
17.60	40	230	1.10	91	28	230	0.76	90	5.7	215	0.16	79	2KJ3642 - ■■■■■■ - ■■ K1
15.71	45	235	1.20	91	32	230	0.86	90	6.4	215	0.18	79	2KJ3642 - ■■■■■■ - ■■ J1
14.00	50	235	1.40	91	36	230	0.97	91	7.1	215	0.20	80	2KJ3642 - ■■■■■■ - ■■ H1
12.92	54	235	1.50	92	39	230	1.10	91	7.7	215	0.22	81	2KJ3642 - ■■■■■■ - ■■ G1
11.31	62	235	1.70	92	44	235	1.20	91	8.8	220	0.25	82	2KJ3642 - ■■■■■■ - ■■ F1
9.92	71	230	1.90	92	50	235	1.40	91	10.1	220	0.28	83	2KJ3642 - ■■■■■■ - ■■ E1
9.00	78	220	2.00	92	56	235	1.50	92	11.1	220	0.31	83	2KJ3642 - ■■■■■■ - ■■ D1
8.47	83	215	2.10	92	59	235	1.60	92	11.8	220	0.33	84	2KJ3642 - ■■■■■■ - ■■ C1
7.47	94	205	2.30	92	67	230	1.80	92	13.4	220	0.37	85	2KJ3642 - ■■■■■■ - ■■ B1
6.48	108	198	2.50	92	77	220	2.00	92	15.4	225	0.42	86	2KJ3642 - ■■■■■■ - ■■ A1

Article No. supplement

Shaft design	1 or 9	see page 10/51
Motor frame size, motor type, efficiency class		see chapter 9
Frequency and voltage	2 or 9	see page 11/2
Gearbox mounting type	A, F, H or D	see page 10/42

* $P_{\text{mot max}} = 1.5 \text{ kW}$

SIMOGEAR geared motors

Helical worm geared motors

Efficiencies

Selection and ordering data

i –	$n_{\text{mot}} = 2800 \text{ rpm}$				$n_{\text{mot}} = 1400 \text{ rpm}$				$n_{\text{mot}} = 900 \text{ rpm}$				Article No. (Article No. supplement, see below)
	n_2 rpm	T_{2N} Nm	P_{mot} kW	η %	n_2 rpm	T_{2N} Nm	P_{mot} kW	η %	n_2 rpm	T_{2N} Nm	P_{mot} kW	η %	
C.49													
299.00	9.4	355	0.48	73	4.7	350	0.26	67	3.0	345	0.18	61	2KJ3603 - ■■■■■■ - ■■ N2
265.20	10.6	355	0.54	74	5.3	350	0.29	69	3.4	350	0.20	63	2KJ3603 - ■■■■■■ - ■■ M2
230.10	12.2	355	0.62	74	6.1	350	0.32	70	3.9	350	0.22	65	2KJ3603 - ■■■■■■ - ■■ L2
209.18	13.4	355	0.68	74	6.7	355	0.35	71	4.3	350	0.24	66	2KJ3603 - ■■■■■■ - ■■ K2
179.40	15.6	355	0.79	74	7.8	355	0.40	72	5.0	350	0.27	68	2KJ3603 - ■■■■■■ - ■■ J2
163.09	17.2	340	0.84	74	8.6	355	0.44	73	5.5	350	0.30	69	2KJ3603 - ■■■■■■ - ■■ H2
143.00	19.6	315	0.89	74	9.8	355	0.50	73	6.3	355	0.33	70	2KJ3603 - ■■■■■■ - ■■ G2
127.64	22	300	0.95	73	11.0	355	0.56	73	7.1	355	0.37	71	2KJ3603 - ■■■■■■ - ■■ F2
113.75	25	285	1.00	73	12.3	355	0.62	74	7.9	355	0.41	72	2KJ3603 - ■■■■■■ - ■■ E2
105.00	27	275	1.10	73	13.3	350	0.66	74	8.6	355	0.44	72	2KJ3603 - ■■■■■■ - ■■ D2
91.93	30	260	1.10	73	15.2	330	0.72	74	9.8	355	0.50	73	2KJ3603 - ■■■■■■ - ■■ C2
80.60	35	250	1.30	73	17.4	315	0.78	74	11.2	355	0.57	74	2KJ3603 - ■■■■■■ - ■■ B2
73.12	38	240	1.30	73	19.1	300	0.82	74	12.3	345	0.61	74	2KJ3603 - ■■■■■■ - ■■ A2
68.82	41	230	1.40	73	20	295	0.84	74	13.1	340	0.63	74	2KJ3603 - ■■■■■■ - ■■ X1
60.67	46	220	1.50	73	23	280	0.92	74	14.8	320	0.68	74	2KJ3603 - ■■■■■■ - ■■ W1
52.65	53	210	1.60	73	27	265	1.00	74	17.1	305	0.74	74	2KJ3603 - ■■■■■■ - ■■ V1
49.87	56	310	2.10	90	28	310	1.00	89	18	305	0.66	87	2KJ3603 - ■■■■■■ - ■■ U1
43.27	65	340	2.60	90	32	340	1.30	89	21	335	0.85	88	2KJ3603 - ■■■■■■ - ■■ T1
39.33	71	335	2.80	89	36	395	1.70	89	23	395	1.10	88	2KJ3603 - ■■■■■■ - ■■ S1
33.73	83	315	3.10	89	42	365	1.80	90	27	365	1.20	89	2KJ3603 - ■■■■■■ - ■■ R1
30.67	91	300	3.20	89	46	380	2.10	89	29	400	1.40	89	2KJ3603 - ■■■■■■ - ■■ Q1
26.89	104	285	3.50	89	52	360	2.20	90	33	400	1.50	89	2KJ3603 - ■■■■■■ - ■■ P1
24.00	117	275	3.80	89	58	345	2.40	90	38	400	1.80	90	2KJ3603 - ■■■■■■ - ■■ N1
21.39	131	260	4.1*	89	65	330	2.50	90	42	385	1.90	90	2KJ3603 - ■■■■■■ - ■■ M1
19.74	142	255	4.3*	89	71	320	2.70	90	46	370	2.00	90	2KJ3603 - ■■■■■■ - ■■ L1
17.29	162	240	4.6*	89	81	305	2.90	90	52	355	2.20	90	2KJ3603 - ■■■■■■ - ■■ K1
15.16	185	230	5.1*	89	92	290	3.20	90	59	335	2.30	90	2KJ3603 - ■■■■■■ - ■■ J1
13.75	204	220	5.4*	89	102	280	3.40	90	65	325	2.50	90	2KJ3603 - ■■■■■■ - ■■ H1
12.94	216	210	5.3*	89	108	275	3.50	90	70	315	2.60	90	2KJ3603 - ■■■■■■ - ■■ G1
11.41	245	185	5.4*	89	123	260	3.80	90	79	305	2.80	90	2KJ3603 - ■■■■■■ - ■■ F1
9.90	283	161	5.4*	89	141	250	4.1*	89	91	290	3.10	90	2KJ3603 - ■■■■■■ - ■■ E1
9.00	311	185	6.6*	91	156	260	4.6*	92	100	260	3.00	92	2KJ3603 - ■■■■■■ - ■■ D1
8.47	331	174	6.6*	91	165	260	4.9*	92	106	260	3.20	92	2KJ3603 - ■■■■■■ - ■■ C1
7.47	375	153	6.6*	91	187	250	5.3*	92	120	260	3.60	92	2KJ3603 - ■■■■■■ - ■■ B1
6.48	432	133	6.6*	91	216	235	5.8*	92	139	260	4.1*	92	2KJ3603 - ■■■■■■ - ■■ A1

Article No. supplement

Shaft design	1 or 9	see page 10/51
Motor frame size, motor type, efficiency class		see chapter 9
Frequency and voltage	2 or 9	see page 11/2
Gearbox mounting type	A, F, H or D	see page 10/42

* $P_{\text{mot max}} = 1.5 \text{ kW}$

Selection and ordering data

i	$n_{\text{mot}} = 700 \text{ rpm}$				$n_{\text{mot}} = 500 \text{ rpm}$				$n_{\text{mot}} = 100 \text{ rpm}$				Article No. (Article No. supplement, see below)
	n_2 rpm	T_2N Nm	P_{mot} kW	η %	n_2 rpm	T_2N Nm	P_{mot} kW	η %	n_2 rpm	T_2N Nm	P_{mot} kW	η %	
C.49													
299.00	2.3	340	0.14	58	1.7	315	0.10	54	0.33	260	<0.06	45	2KJ3603 - ■■■■■■ - ■■ N2
265.20	2.6	340	0.16	60	1.9	315	0.11	55	0.38	255	<0.06	45	2KJ3603 - ■■■■■■ - ■■ M2
230.10	3.0	345	0.18	61	2.2	320	0.13	57	0.43	255	<0.06	45	2KJ3603 - ■■■■■■ - ■■ L2
209.18	3.3	345	0.19	63	2.4	320	0.14	58	0.48	255	<0.06	45	2KJ3603 - ■■■■■■ - ■■ K2
179.40	3.9	350	0.22	65	2.8	330	0.16	60	0.56	255	<0.06	46	2KJ3603 - ■■■■■■ - ■■ J2
163.09	4.3	350	0.24	66	3.1	330	0.18	61	0.61	255	<0.06	46	2KJ3603 - ■■■■■■ - ■■ H2
143.00	4.9	350	0.27	68	3.5	340	0.20	63	0.70	255	<0.06	47	2KJ3603 - ■■■■■■ - ■■ G2
127.64	5.5	350	0.30	69	3.9	350	0.22	65	0.78	260	<0.06	47	2KJ3603 - ■■■■■■ - ■■ F2
113.75	6.2	355	0.33	70	4.4	350	0.25	66	0.88	260	<0.06	48	2KJ3603 - ■■■■■■ - ■■ E2
105.00	6.7	355	0.35	71	4.8	350	0.26	67	0.95	265	<0.06	49	2KJ3603 - ■■■■■■ - ■■ D2
91.93	7.6	355	0.39	72	5.4	350	0.29	69	1.1	270	0.06	50	2KJ3603 - ■■■■■■ - ■■ C2
80.60	8.7	355	0.45	73	6.2	355	0.33	70	1.2	275	0.07	51	2KJ3603 - ■■■■■■ - ■■ B2
73.12	9.6	355	0.49	73	6.8	355	0.36	71	1.4	280	0.08	52	2KJ3603 - ■■■■■■ - ■■ A2
68.82	10.2	355	0.52	73	7.3	355	0.38	72	1.5	280	0.08	52	2KJ3603 - ■■■■■■ - ■■ X1
60.67	11.5	350	0.57	74	8.2	355	0.42	73	1.6	285	0.09	54	2KJ3603 - ■■■■■■ - ■■ W1
52.65	13.3	330	0.63	74	9.5	355	0.48	73	1.9	295	0.11	55	2KJ3603 - ■■■■■■ - ■■ V1
49.87	14.0	295	0.51	86	10.0	285	0.37	83	2.0	245	0.07	71	2KJ3603 - ■■■■■■ - ■■ U1
43.27	16.2	330	0.65	87	11.6	320	0.47	84	2.3	275	0.09	71	2KJ3603 - ■■■■■■ - ■■ T1
39.33	17.8	390	0.83	87	12.7	375	0.60	85	2.5	320	0.12	72	2KJ3603 - ■■■■■■ - ■■ S1
33.73	21	360	0.91	88	14.8	355	0.64	86	3.0	300	0.13	73	2KJ3603 - ■■■■■■ - ■■ R1
30.67	23	395	1.10	88	16.3	385	0.77	87	3.3	330	0.16	73	2KJ3603 - ■■■■■■ - ■■ Q1
26.89	26	395	1.20	89	18.6	390	0.87	88	3.7	330	0.17	74	2KJ3603 - ■■■■■■ - ■■ P1
24.00	29	395	1.40	89	21	390	0.99	88	4.2	335	0.20	75	2KJ3603 - ■■■■■■ - ■■ N1
21.39	33	395	1.50	89	23	395	1.10	89	4.7	340	0.22	76	2KJ3603 - ■■■■■■ - ■■ M1
19.74	35	400	1.60	90	25	395	1.20	89	5.1	340	0.24	77	2KJ3603 - ■■■■■■ - ■■ L1
17.29	40	385	1.80	90	29	395	1.30	89	5.8	345	0.27	78	2KJ3603 - ■■■■■■ - ■■ K1
15.16	46	365	2.00	90	33	390	1.50	90	6.6	345	0.30	79	2KJ3603 - ■■■■■■ - ■■ J1
13.75	51	355	2.10	90	36	390	1.60	90	7.3	345	0.33	80	2KJ3603 - ■■■■■■ - ■■ H1
12.94	54	345	2.20	90	39	385	1.80	90	7.7	350	0.35	80	2KJ3603 - ■■■■■■ - ■■ G1
11.41	61	330	2.40	90	44	370	1.90	90	8.8	355	0.40	82	2KJ3603 - ■■■■■■ - ■■ F1
9.90	71	315	2.60	90	51	350	2.10	90	10.1	360	0.46	83	2KJ3603 - ■■■■■■ - ■■ E1
9.00	78	260	2.30	92	56	255	1.70	91	11.1	235	0.33	84	2KJ3603 - ■■■■■■ - ■■ D1
8.47	83	260	2.50	92	59	260	1.80	91	11.8	240	0.35	84	2KJ3603 - ■■■■■■ - ■■ C1
7.47	94	260	2.80	92	67	260	2.00	92	13.4	240	0.40	85	2KJ3603 - ■■■■■■ - ■■ B1
6.48	108	260	3.20	92	77	260	2.30	92	15.4	245	0.46	87	2KJ3603 - ■■■■■■ - ■■ A1

Article No. supplement

Shaft design	1 or 9	see page 10/51
Motor frame size, motor type, efficiency class		see chapter 9
Frequency and voltage	2 or 9	see page 11/2
Gearbox mounting type	A, F, H or D	see page 10/42

* $P_{\text{mot max}} = 1.5 \text{ kW}$

SIMOGEAR geared motors

Helical worm geared motors

Efficiencies

Selection and ordering data

i	$n_{\text{mot}} = 2800 \text{ rpm}$				$n_{\text{mot}} = 1400 \text{ rpm}$				$n_{\text{mot}} = 900 \text{ rpm}$				Article No. (Article No. supplement, see below)
	n_2 rpm	T_{2N} Nm	P_{mot} kW	η %	n_2 rpm	T_{2N} Nm	P_{mot} kW	η %	n_2 rpm	T_{2N} Nm	P_{mot} kW	η %	
C.69													
360.00	7.8	575	0.65	73	3.9	680	0.40	69	2.5	645	0.27	63	2KJ3604 - ■■■■■■ - ■■ M2
319.80	8.8	570	0.72	73	4.4	680	0.45	70	2.8	655	0.30	65	2KJ3604 - ■■■■■■ - ■■ L2
280.80	10.0	560	0.81	73	5.0	680	0.50	71	3.2	660	0.33	66	2KJ3604 - ■■■■■■ - ■■ K2
255.27	11.0	555	0.88	73	5.5	680	0.55	72	3.5	665	0.36	67	2KJ3604 - ■■■■■■ - ■■ J2
218.40	12.8	530	0.97	74	6.4	655	0.60	73	4.1	675	0.42	70	2KJ3604 - ■■■■■■ - ■■ H2
198.55	14.1	510	1.00	73	7.1	635	0.65	73	4.5	680	0.46	70	2KJ3604 - ■■■■■■ - ■■ G2
175.50	16.0	485	1.10	73	8.0	610	0.70	74	5.1	685	0.51	72	2KJ3604 - ■■■■■■ - ■■ F2
159.55	17.5	470	1.20	73	8.8	590	0.74	74	5.6	670	0.54	72	2KJ3604 - ■■■■■■ - ■■ E2
139.75	20	440	1.30	73	10.0	550	0.79	74	6.4	630	0.58	73	2KJ3604 - ■■■■■■ - ■■ D2
129.00	22	425	1.30	74	10.9	535	0.83	74	7.0	610	0.61	73	2KJ3604 - ■■■■■■ - ■■ C2
114.21	25	405	1.40	73	12.3	510	0.89	74	7.9	585	0.66	74	2KJ3604 - ■■■■■■ - ■■ B2
102.50	27	555	1.80	87	13.7	645	1.10	86	8.8	625	0.69	84	2KJ3604 - ■■■■■■ - ■■ A2
90.00	31	555	2.10	87	15.6	665	1.30	86	10.0	650	0.81	84	2KJ3604 - ■■■■■■ - ■■ X1
81.82	34	545	2.20	87	17.1	680	1.40	87	11.0	775	1.10	85	2KJ3604 - ■■■■■■ - ■■ W1
70.00	40	515	2.50	87	20	650	1.60	87	12.9	680	1.10	86	2KJ3604 - ■■■■■■ - ■■ V1
63.64	44	500	2.70	87	22	630	1.70	87	14.1	720	1.20	86	2KJ3604 - ■■■■■■ - ■■ U1
56.25	50	480	2.90	87	25	605	1.80	87	16.0	695	1.30	87	2KJ3604 - ■■■■■■ - ■■ T1
51.14	55	455	3.00	87	27	575	1.90	87	17.6	660	1.40	87	2KJ3604 - ■■■■■■ - ■■ S1
44.79	63	430	3.30	87	31	545	2.00	87	20	630	1.50	87	2KJ3604 - ■■■■■■ - ■■ R1
41.35	68	420	3.40	87	34	525	2.20	87	22	610	1.60	87	2KJ3604 - ■■■■■■ - ■■ Q1
36.61	76	400	3.70	87	38	505	2.30	87	25	580	1.80	87	2KJ3604 - ■■■■■■ - ■■ P1
30.00	93	435	4.70	90	47	545	3.00	90	30	560	2.00	90	2KJ3604 - ■■■■■■ - ■■ N1
26.28	107	410	5.10	90	53	520	3.20	90	34	550	2.20	90	2KJ3604 - ■■■■■■ - ■■ M1
24.26	115	400	5.30	90	58	500	3.40	90	37	545	2.30	91	2KJ3604 - ■■■■■■ - ■■ L1
21.48	130	380	5.8*	90	65	480	3.60	90	42	540	2.60	91	2KJ3604 - ■■■■■■ - ■■ K1
17.88	157	355	6.5*	90	78	450	4.10	90	50	520	3.00	91	2KJ3604 - ■■■■■■ - ■■ J1
15.88	176	365	7.3*	92	88	365	3.70	92	57	365	2.40	92	2KJ3604 - ■■■■■■ - ■■ H1
14.06	199	360	8.2*	92	100	360	4.10	92	64	360	2.60	92	2KJ3604 - ■■■■■■ - ■■ G1
11.70	239	345	9.5*	92	120	365	5.00	92	77	365	3.20	92	2KJ3604 - ■■■■■■ - ■■ F1
11.01	254	325	9.5*	92	127	365	5.40	92	82	365	3.50	92	2KJ3604 - ■■■■■■ - ■■ E1
9.87	284	290	9.5*	92	142	365	6.0*	92	91	365	3.80	92	2KJ3604 - ■■■■■■ - ■■ D1
8.40	333	250	9.6*	91	167	370	7.1*	92	107	370	4.50	92	2KJ3604 - ■■■■■■ - ■■ C1
7.20	389	210	9.6*	91	194	365	8.2*	92	125	365	5.30	92	2KJ3604 - ■■■■■■ - ■■ B1
6.20	452	184	9.6*	91	226	365	9.4*	92	145	365	6.1*	92	2KJ3604 - ■■■■■■ - ■■ A1

Article No. supplement

Shaft design	1 or 9	see page 10/51
Motor frame size, motor type, efficiency class		see chapter 9
Frequency and voltage	2 or 9	see page 11/2
Gearbox mounting type	A, F, H or D	see page 10/42

* $P_{\text{mot max}} = 1.5 \text{ kW}$

Selection and ordering data

i	$n_{\text{mot}} = 700 \text{ rpm}$				$n_{\text{mot}} = 500 \text{ rpm}$				$n_{\text{mot}} = 100 \text{ rpm}$				Article No. (Article No. supplement, see below)
	n_2 rpm	T_2N Nm	P_{mot} kW	η %	n_2 rpm	T_2N Nm	P_{mot} kW	η %	n_2 rpm	T_2N Nm	P_{mot} kW	η %	
C.69													
360.00	1.9	610	0.20	60	1.4	570	0.15	55	0.28	460	<0.06	45	2KJ3604 - ■■■■■■ - ■■ M2
319.80	2.2	620	0.23	61	1.6	575	0.17	57	0.31	460	<0.06	45	2KJ3604 - ■■■■■■ - ■■ L2
280.80	2.5	625	0.26	63	1.8	580	0.19	58	0.36	455	<0.06	45	2KJ3604 - ■■■■■■ - ■■ K2
255.27	2.7	635	0.28	64	2.0	590	0.21	59	0.39	455	<0.06	45	2KJ3604 - ■■■■■■ - ■■ J2
218.40	3.2	645	0.33	66	2.3	605	0.24	62	0.46	460	<0.06	46	2KJ3604 - ■■■■■■ - ■■ H2
198.55	3.5	650	0.35	68	2.5	610	0.25	63	0.50	455	<0.06	47	2KJ3604 - ■■■■■■ - ■■ G2
175.50	4.0	665	0.40	69	2.8	625	0.28	65	0.57	460	0.06	48	2KJ3604 - ■■■■■■ - ■■ F2
159.55	4.4	670	0.44	70	3.1	635	0.31	66	0.63	465	0.06	48	2KJ3604 - ■■■■■■ - ■■ E2
139.75	5.0	670	0.49	72	3.6	650	0.36	68	0.72	475	0.07	49	2KJ3604 - ■■■■■■ - ■■ D2
129.00	5.4	655	0.51	72	3.9	660	0.39	69	0.78	480	0.08	50	2KJ3604 - ■■■■■■ - ■■ C2
114.21	6.1	630	0.55	73	4.4	670	0.44	71	0.88	490	0.09	51	2KJ3604 - ■■■■■■ - ■■ B2
102.50	6.8	610	0.54	81	4.9	585	0.39	78	0.98	500	0.08	67	2KJ3604 - ■■■■■■ - ■■ A2
90.00	7.8	635	0.63	82	5.6	610	0.45	79	1.1	515	0.09	67	2KJ3604 - ■■■■■■ - ■■ X1
81.82	8.6	800	0.87	84	6.1	775	0.62	80	1.2	650	0.12	68	2KJ3604 - ■■■■■■ - ■■ W1
70.00	10.0	665	0.83	84	7.1	645	0.59	82	1.4	540	0.12	68	2KJ3604 - ■■■■■■ - ■■ V1
63.64	11.0	775	1.00	85	7.9	830	0.83	83	1.6	695	0.17	69	2KJ3604 - ■■■■■■ - ■■ U1
56.25	12.4	750	1.10	86	8.9	810	0.90	84	1.8	675	0.18	70	2KJ3604 - ■■■■■■ - ■■ T1
51.14	13.7	715	1.20	86	9.8	785	0.95	85	2.0	750	0.22	71	2KJ3604 - ■■■■■■ - ■■ S1
44.79	15.6	680	1.30	87	11.2	750	1.00	86	2.2	760	0.24	72	2KJ3604 - ■■■■■■ - ■■ R1
41.35	16.9	660	1.30	87	12.1	730	1.10	86	2.4	765	0.27	72	2KJ3604 - ■■■■■■ - ■■ Q1
36.61	19.1	630	1.50	87	13.7	700	1.20	87	2.7	770	0.30	73	2KJ3604 - ■■■■■■ - ■■ P1
30.00	23	560	1.50	90	16.7	555	1.10	89	3.3	480	0.22	77	2KJ3604 - ■■■■■■ - ■■ N1
26.28	27	550	1.70	90	19	545	1.20	90	3.8	480	0.24	78	2KJ3604 - ■■■■■■ - ■■ M1
24.26	29	545	1.80	90	21	540	1.30	90	4.1	475	0.26	79	2KJ3604 - ■■■■■■ - ■■ L1
21.48	33	540	2.10	91	23	540	1.40	90	4.7	475	0.30	80	2KJ3604 - ■■■■■■ - ■■ K1
17.88	39	545	2.50	91	28	545	1.80	91	5.6	490	0.35	82	2KJ3604 - ■■■■■■ - ■■ J1
15.88	44	365	1.80	92	31	360	1.30	91	6.3	330	0.26	83	2KJ3604 - ■■■■■■ - ■■ H1
14.06	50	360	2.10	92	36	355	1.50	92	7.1	330	0.29	84	2KJ3604 - ■■■■■■ - ■■ G1
11.70	60	365	2.50	92	43	365	1.80	92	8.5	340	0.36	85	2KJ3604 - ■■■■■■ - ■■ F1
11.01	64	365	2.70	92	45	365	1.90	92	9.1	340	0.38	86	2KJ3604 - ■■■■■■ - ■■ E1
9.87	71	365	3.00	92	51	365	2.10	92	10.1	345	0.43	86	2KJ3604 - ■■■■■■ - ■■ D1
8.40	83	370	3.50	92	60	370	2.50	92	11.9	350	0.50	87	2KJ3604 - ■■■■■■ - ■■ C1
7.20	97	365	4.10	92	69	365	2.90	92	13.9	350	0.59	88	2KJ3604 - ■■■■■■ - ■■ B1
6.20	113	365	4.70	92	81	365	3.40	92	16.1	355	0.67	89	2KJ3604 - ■■■■■■ - ■■ A1

Article No. supplement

Shaft design	1 or 9	see page 10/51
Motor frame size, motor type, efficiency class		see chapter 9
Frequency and voltage	2 or 9	see page 11/2
Gearbox mounting type	A, F, H or D	see page 10/42

SIMOGEAR geared motors

Helical worm geared motors

Efficiencies

Selection and ordering data

i	$n_{\text{mot}} = 2800 \text{ rpm}$				$n_{\text{mot}} = 1400 \text{ rpm}$				$n_{\text{mot}} = 900 \text{ rpm}$				Article No. (Article No. supplement, see below)
	n_2 rpm	T_{2N} Nm	P_{mot} kW	η %	n_2 rpm	T_{2N} Nm	P_{mot} kW	η %	n_2 rpm	T_{2N} Nm	P_{mot} kW	η %	
C.89													
363.00	7.7	1180	1.30	73	3.9	1460	0.83	72	2.5	1430	0.55	68	2KJ3605 - ■■■■■■ - ■■ N2
329.73	8.5	1180	1.40	73	4.2	1460	0.89	72	2.7	1440	0.59	69	2KJ3605 - ■■■■■■ - ■■ M2
295.75	9.5	1170	1.60	73	4.7	1460	0.99	73	3.0	1460	0.66	70	2KJ3605 - ■■■■■■ - ■■ L2
265.91	10.5	1170	1.80	73	5.3	1460	1.10	73	3.4	1470	0.74	71	2KJ3605 - ■■■■■■ - ■■ K2
240.50	11.6	1160	1.90	73	5.8	1450	1.20	73	3.7	1480	0.80	72	2KJ3605 - ■■■■■■ - ■■ J2
222.00	12.6	1120	2.00	73	6.3	1410	1.30	73	4.1	1490	0.89	72	2KJ3605 - ■■■■■■ - ■■ H2
203.36	13.8	1090	2.20	73	6.9	1370	1.40	73	4.4	1500	0.95	73	2KJ3605 - ■■■■■■ - ■■ G2
170.62	16.4	1030	2.40	73	8.2	1300	1.50	73	5.3	1490	1.10	73	2KJ3605 - ■■■■■■ - ■■ F2
160.59	17.4	1010	2.50	73	8.7	1270	1.60	73	5.6	1460	1.20	74	2KJ3605 - ■■■■■■ - ■■ E2
147.33	19	980	2.70	73	9.5	1230	1.70	74	6.1	1430	1.20	74	2KJ3605 - ■■■■■■ - ■■ D2
128.70	22	915	2.90	73	10.9	1150	1.80	73	7.0	1340	1.30	74	2KJ3605 - ■■■■■■ - ■■ C2
115.23	24	875	3.00	73	12.1	1100	1.90	74	7.8	1280	1.40	74	2KJ3605 - ■■■■■■ - ■■ B2
100.75	28	830	3.30	73	13.9	1040	2.10	74	8.9	1210	1.50	74	2KJ3605 - ■■■■■■ - ■■ A2
86.48	32	780	3.60	73	16.2	980	2.30	73	10.4	1140	1.70	74	2KJ3605 - ■■■■■■ - ■■ X1
76.44	37	740	4.00	73	18.3	935	2.40	73	11.8	1080	1.80	74	2KJ3605 - ■■■■■■ - ■■ W1
65.00	43	695	4.30	73	22	875	2.80	73	13.8	1010	2.00	74	2KJ3605 - ■■■■■■ - ■■ V1
55.61	50	1150	6.70	90	25	1450	4.20	91	16.2	1550	2.90	90	2KJ3605 - ■■■■■■ - ■■ U1
50.00	56	1130	7.40	90	28	1430	4.60	90	18.0	1560	3.30	90	2KJ3605 - ■■■■■■ - ■■ T1
45.22	62	1100	7.90	90	31	1380	5.00	91	19.9	1560	3.60	90	2KJ3605 - ■■■■■■ - ■■ S1
41.74	67	1070	8.30	90	34	1350	5.30	91	22	1560	4.00	91	2KJ3605 - ■■■■■■ - ■■ R1
38.24	73	1040	8.80	90	37	1310	5.60	91	24	1520	4.20	91	2KJ3605 - ■■■■■■ - ■■ Q1
32.08	87	985	10*	90	44	1240	6.30	91	28	1440	4.70	91	2KJ3605 - ■■■■■■ - ■■ P1
30.20	93	950	10.3*	90	46	1200	6.40	91	30	1390	4.80	91	2KJ3605 - ■■■■■■ - ■■ N1
27.70	101	920	10.8*	90	51	1160	6.90	91	32	1340	5.00	91	2KJ3605 - ■■■■■■ - ■■ M1
25.03	112	1080	13.7*	93	56	1090	6.90	93	36	1090	4.50	93	2KJ3605 - ■■■■■■ - ■■ L1
21.00	133	1000	15.1*	93	67	1080	8.20	93	43	1070	5.20	93	2KJ3605 - ■■■■■■ - ■■ K1
19.76	142	980	15.8*	93	71	1120	9.00	93	46	1120	5.80	93	2KJ3605 - ■■■■■■ - ■■ J1
18.13	154	950	16.6*	93	77	1120	9.7*	93	50	1120	6.30	93	2KJ3605 - ■■■■■■ - ■■ H1
15.84	177	865	17.3*	93	88	1140	11.3*	93	57	1140	7.30	93	2KJ3605 - ■■■■■■ - ■■ G1
14.18	197	770	17.3*	92	99	1090	12.2*	93	63	1150	8.20	93	2KJ3605 - ■■■■■■ - ■■ F1
12.40	226	675	17.3*	93	113	1040	13.3*	93	73	1140	9.5*	93	2KJ3605 - ■■■■■■ - ■■ E1
10.64	263	580	17.3*	92	132	985	14.7*	93	85	1140	10.9*	93	2KJ3605 - ■■■■■■ - ■■ D1
9.41	298	510	17.4*	92	149	940	15.9*	93	96	1090	11.8*	93	2KJ3605 - ■■■■■■ - ■■ C1
8.00	350	435	17.4*	92	175	870	17.3*	93	112	1030	13.1*	93	2KJ3605 - ■■■■■■ - ■■ B1
6.86	408	370	17.4*	92	204	745	17.3*	93	131	980	14.5*	93	2KJ3605 - ■■■■■■ - ■■ A1

Article No. supplement

Shaft design	1 or 9	see page 10/51
Motor frame size, motor type, efficiency class		see chapter 9
Frequency and voltage	2 or 9	see page 11/2
Gearbox mounting type	A, F, H or D	see page 10/42

* $P_{\text{mot max}} = 9.2 \text{ kW}$

Selection and ordering data

i	$n_{\text{mot}} = 700 \text{ rpm}$				$n_{\text{mot}} = 500 \text{ rpm}$				$n_{\text{mot}} = 100 \text{ rpm}$				Article No. (Article No. supplement, see below)
	n_2 rpm	T_{2N} Nm	P_{mot} kW	η %	n_2 rpm	T_{2N} Nm	P_{mot} kW	η %	n_2 rpm	T_{2N} Nm	P_{mot} kW	η %	
C.89													
363.00	1.9	1360	0.42	64	1.4	1260	0.31	60	0.28	955	0.06	45	2KJ3605 - ■■■■■■ - ■■ N2
329.73	2.1	1380	0.46	66	1.5	1280	0.33	61	0.30	960	0.07	45	2KJ3605 - ■■■■■■ - ■■ M2
295.75	2.4	1400	0.53	67	1.7	1310	0.37	62	0.34	965	0.08	45	2KJ3605 - ■■■■■■ - ■■ L2
265.91	2.6	1420	0.57	68	1.9	1330	0.42	64	0.38	975	0.08	46	2KJ3605 - ■■■■■■ - ■■ K2
240.50	2.9	1440	0.63	70	2.1	1360	0.46	66	0.42	985	0.09	47	2KJ3605 - ■■■■■■ - ■■ J2
222.00	3.2	1450	0.69	70	2.3	1380	0.50	67	0.45	995	0.10	47	2KJ3605 - ■■■■■■ - ■■ H2
203.36	3.4	1470	0.74	71	2.5	1400	0.54	68	0.49	1000	0.11	48	2KJ3605 - ■■■■■■ - ■■ G2
170.62	4.1	1490	0.89	72	2.9	1440	0.63	70	0.59	1030	0.13	50	2KJ3605 - ■■■■■■ - ■■ F2
160.59	4.4	1490	0.95	73	3.1	1450	0.67	71	0.62	1040	0.14	50	2KJ3605 - ■■■■■■ - ■■ E2
147.33	4.8	1500	1.00	73	3.4	1460	0.73	71	0.68	1060	0.15	51	2KJ3605 - ■■■■■■ - ■■ D2
128.70	5.4	1450	1.10	74	3.9	1480	0.84	72	0.78	1090	0.17	53	2KJ3605 - ■■■■■■ - ■■ C2
115.23	6.1	1390	1.20	74	4.3	1490	0.92	73	0.87	1110	0.19	54	2KJ3605 - ■■■■■■ - ■■ B2
100.75	6.9	1310	1.30	74	5.0	1460	1.00	74	0.99	1150	0.21	56	2KJ3605 - ■■■■■■ - ■■ A2
86.48	8.1	1230	1.40	74	5.8	1380	1.10	74	1.2	1190	0.26	58	2KJ3605 - ■■■■■■ - ■■ X1
76.44	9.2	1170	1.50	74	6.5	1310	1.20	74	1.3	1220	0.28	60	2KJ3605 - ■■■■■■ - ■■ W1
65.00	10.8	1100	1.70	74	7.7	1230	1.30	74	1.5	1270	0.32	62	2KJ3605 - ■■■■■■ - ■■ V1
55.61	12.6	1540	2.30	90	9.0	1510	1.60	88	1.8	1290	0.33	75	2KJ3605 - ■■■■■■ - ■■ U1
50.00	14.0	1540	2.50	90	10.0	1530	1.80	88	2.0	1430	0.40	75	2KJ3605 - ■■■■■■ - ■■ T1
45.22	15.5	1550	2.80	90	11.1	1530	2.00	89	2.2	1430	0.43	76	2KJ3605 - ■■■■■■ - ■■ S1
41.74	16.8	1550	3.00	90	12.0	1540	2.20	89	2.4	1450	0.48	77	2KJ3605 - ■■■■■■ - ■■ R1
38.24	18.3	1560	3.30	90	13.1	1540	2.40	90	2.6	1450	0.51	77	2KJ3605 - ■■■■■■ - ■■ Q1
32.08	22	1560	4.00	91	15.6	1550	2.80	90	3.1	1390	0.57	79	2KJ3605 - ■■■■■■ - ■■ P1
30.20	23	1510	4.00	91	16.6	1550	3.00	90	3.3	1460	0.64	79	2KJ3605 - ■■■■■■ - ■■ N1
27.70	25	1460	4.20	91	18.1	1560	3.30	91	3.6	1470	0.69	80	2KJ3605 - ■■■■■■ - ■■ M1
25.03	28	1090	3.50	93	20	1080	2.50	92	4.0	990	0.50	84	2KJ3605 - ■■■■■■ - ■■ L1
21.00	33	1070	4.00	93	24	1070	2.90	92	4.8	985	0.59	85	2KJ3605 - ■■■■■■ - ■■ K1
19.76	35	1120	4.50	93	25	1120	3.20	92	5.1	1030	0.65	85	2KJ3605 - ■■■■■■ - ■■ J1
18.13	39	1110	4.90	93	28	1110	3.50	92	5.5	1030	0.70	85	2KJ3605 - ■■■■■■ - ■■ H1
15.84	44	1140	5.70	93	32	1130	4.10	93	6.3	1050	0.81	86	2KJ3605 - ■■■■■■ - ■■ G1
14.18	49	1150	6.40	93	35	1140	4.50	93	7.1	1070	0.92	87	2KJ3605 - ■■■■■■ - ■■ F1
12.40	56	1140	7.30	93	40	1140	5.20	93	8.1	1080	1.00	88	2KJ3605 - ■■■■■■ - ■■ E1
10.64	66	1150	8.50	93	47	1140	6.10	93	9.4	1090	1.20	88	2KJ3605 - ■■■■■■ - ■■ D1
9.41	74	1120	9.4*	93	53	1120	6.70	93	10.6	1070	1.30	89	2KJ3605 - ■■■■■■ - ■■ C1
8.00	88	1120	11.2*	93	62	1130	7.90	93	12.5	1090	1.60	90	2KJ3605 - ■■■■■■ - ■■ B1
6.86	102	1060	12.3*	93	73	1110	9.20	93	14.6	1090	1.80	91	2KJ3605 - ■■■■■■ - ■■ A1

Article No. supplement

Shaft design	1 or 9	see page 10/51
Motor frame size, motor type, efficiency class		see chapter 9
Frequency and voltage	2 or 9	see page 11/2
Gearbox mounting type	A, F, H or D	see page 10/42

* $P_{\text{mot max}} = 9.2 \text{ kW}$

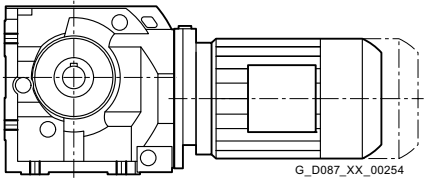
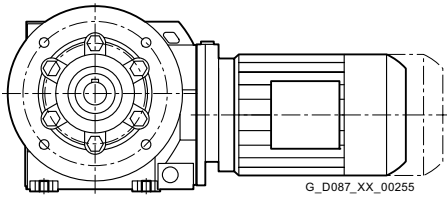
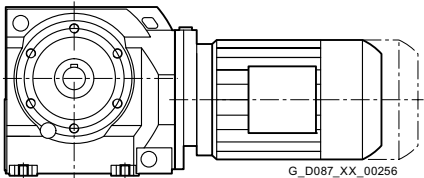
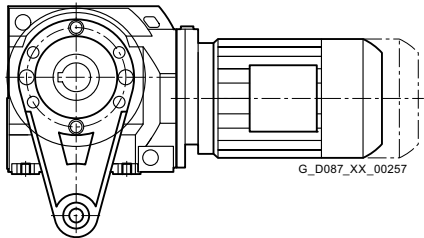
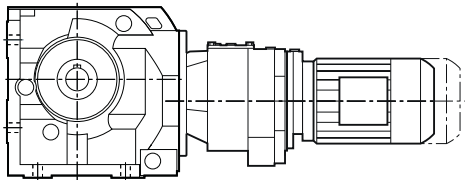
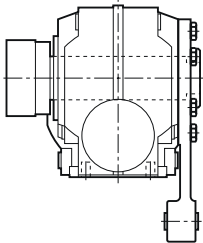
SIMOGEAR geared motors

Helical worm geared motors

Dimensional drawings

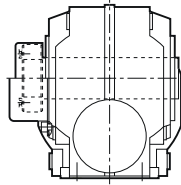
Overview

Notes on the dimensional drawings are provided in chapter [Introduction on page 1/24](#).

Design	Frame size	Dimensional drawing, see page
Helical worm geared motor C		
<i>Foot-mounted design</i>		
	C..29	6/40
	C..39A	6/44
	C..49	6/48
	C..69	6/52
	C..89	6/56
<i>Flange-mounted design</i>		
	C.F.29	6/41
	C.F.39A	6/45
	C.F.49	6/49
	C.F.69	6/53
	C.F.89	6/57
<i>Housing flange design</i>		
	C.Z.29	6/42
	C.Z.39A	6/46
	C.Z.49	6/50
	C.Z.69	6/54
	C.Z.89	6/58
<i>Shaft-mounted design</i>		
	CAD.29	6/43
	CAD.39A	6/47
	CAD.49	6/51
	CAD.69	6/55
	CAD.89	6/59
Helical worm tandem geared motors		
	C.29-Z/D19 ... C.89-Z/D39	6/60
Additional versions and options		
<i>SIMOLOC assembly system</i>		
	CADR.29 ... CADR.89	6/61

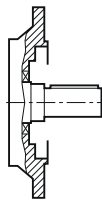
Overview

Design	Frame size	Dimensional drawing, see page
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Additional versions and options
Protective covers


CA.29 ... CA.89
 CA.S29 ... CA.S89
 CADR29 ... CADR89

6/62

Inner contour of the flange-mounted design


CF29 ... CF89
 CAF.29 ... CAF.89

6/63

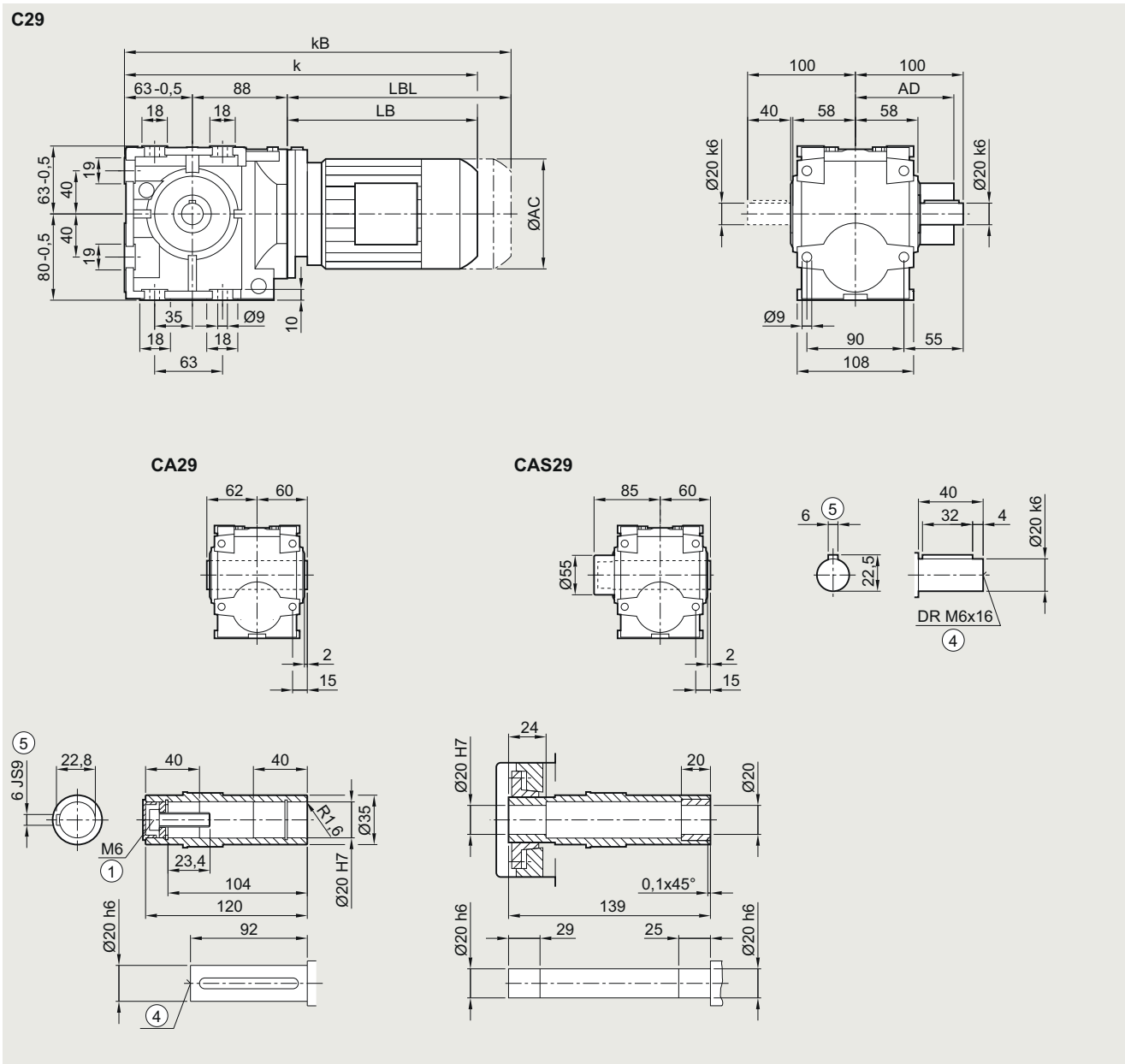
SIMOGEAR geared motors

Helical worm geared motors

Dimensional drawings

Gearbox C..29 in a foot-mounted design

C030, CA030, CAS030



Motor	LE 63	63Z	71	71Z	71Y	80	80Z	90	90Z
AC	117.8	117.8	138.8	138.8	138.8	156.3	156.3	173.8	173.8
AD ¹⁾	124.0	124.0	134.0	134.0	134.0	149.2	149.2	154.2	154.2
k	345.0	371.0	377.0	396.0	436.0	441.0	476.0	502.5	542.5
kB	389.5	415.5	432.0	451.0	491.0	501.0	536.0	572.5	612.5
LB	194.0	220.0	226.0	245.0	285.0	290.0	325.0	351.5	391.5
LBL	238.5	264.5	281.0	300.0	340.0	350.0	385.0	421.5	461.5

① ISO 4014

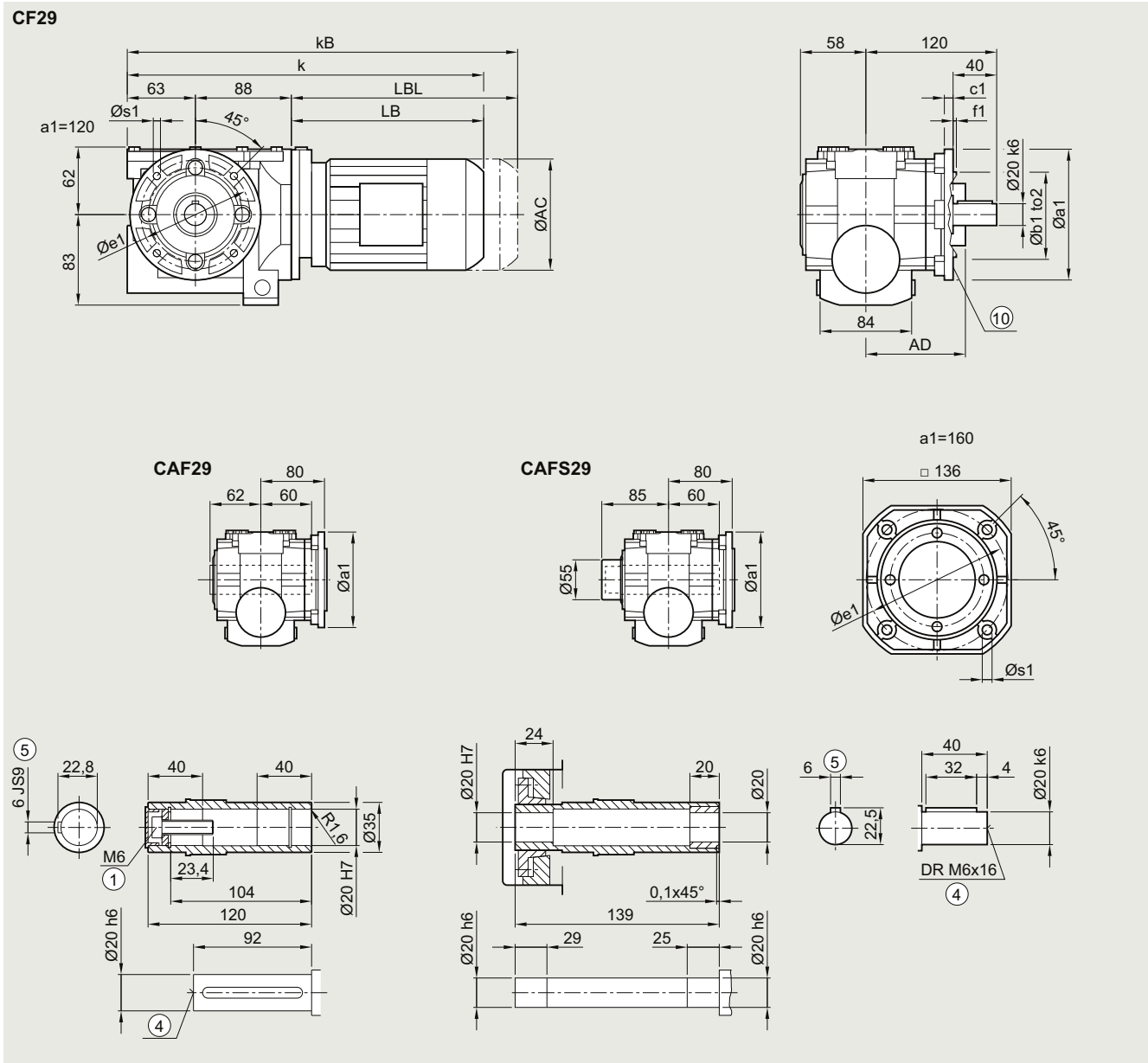
④ DIN 332

⑤ Feather key/keyway DIN 6885-1

¹⁾ AD depends on the motor options, for other dimensions, see page 9/46.

Gearbox C.F.29 in a flange-mounted design

CF030, CAF030, CAFS030



Flange	a1	b1	c1	f1	e1	s1	to2
	120	80	8	3.0	100	6.6	j6
	160	110	9	3.5	130	9.0	j6

Motor	LE 63	63Z	71	71Z	71Y	80	80Z	90	90Z
AC	117.8	117.8	138.8	138.8	138.8	156.3	156.3	173.8	173.8
AD ¹⁾	124.0	124.0	134.0	134.0	134.0	149.2	149.2	154.2	154.2
k	345.0	371.0	377.0	396.0	436.0	441.0	476.0	502.5	542.5
kB	389.5	415.5	432.0	451.0	491.0	501.0	536.0	572.5	612.5
LB	194.0	220.0	226.0	245.0	285.0	290.0	325.0	351.5	391.5
LBL	238.5	264.5	281.0	300.0	340.0	350.0	385.0	421.5	461.5

① ISO 4014

④ DIN 332

⑤ Feather key/keyway DIN 6885-1

¹⁾ AD depends on the motor options, for other dimensions, see page 9/46.

⑩ For inner contour, see page 6/63.

SIMOGEAR geared motors

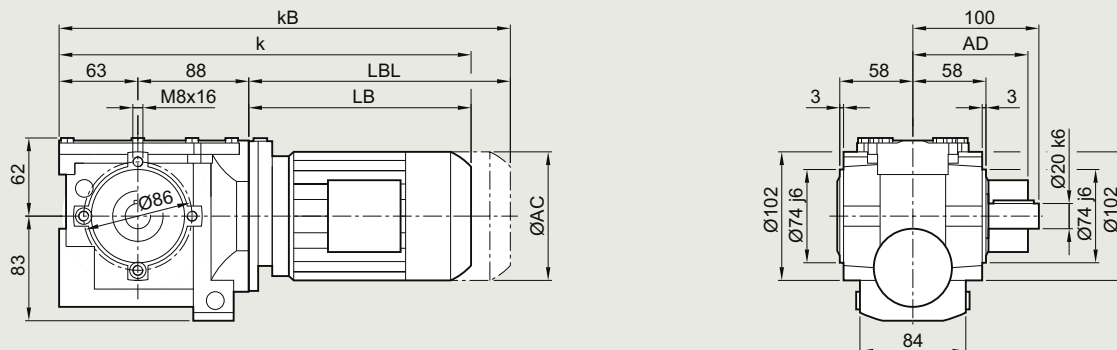
Helical worm geared motors

Dimensional drawings

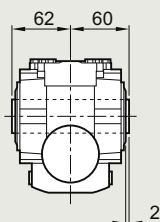
Gearbox C.Z.29 in a housing flange design

CZ030, CAZ030, CAZS030

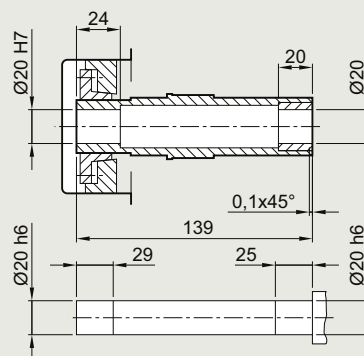
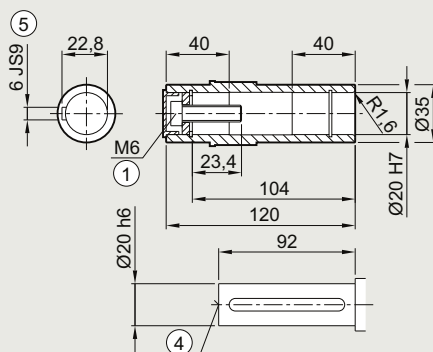
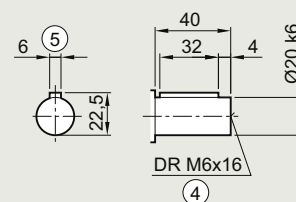
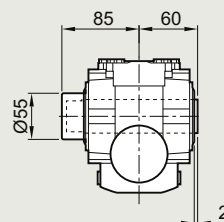
CZ29



CAZ29



CAZS29



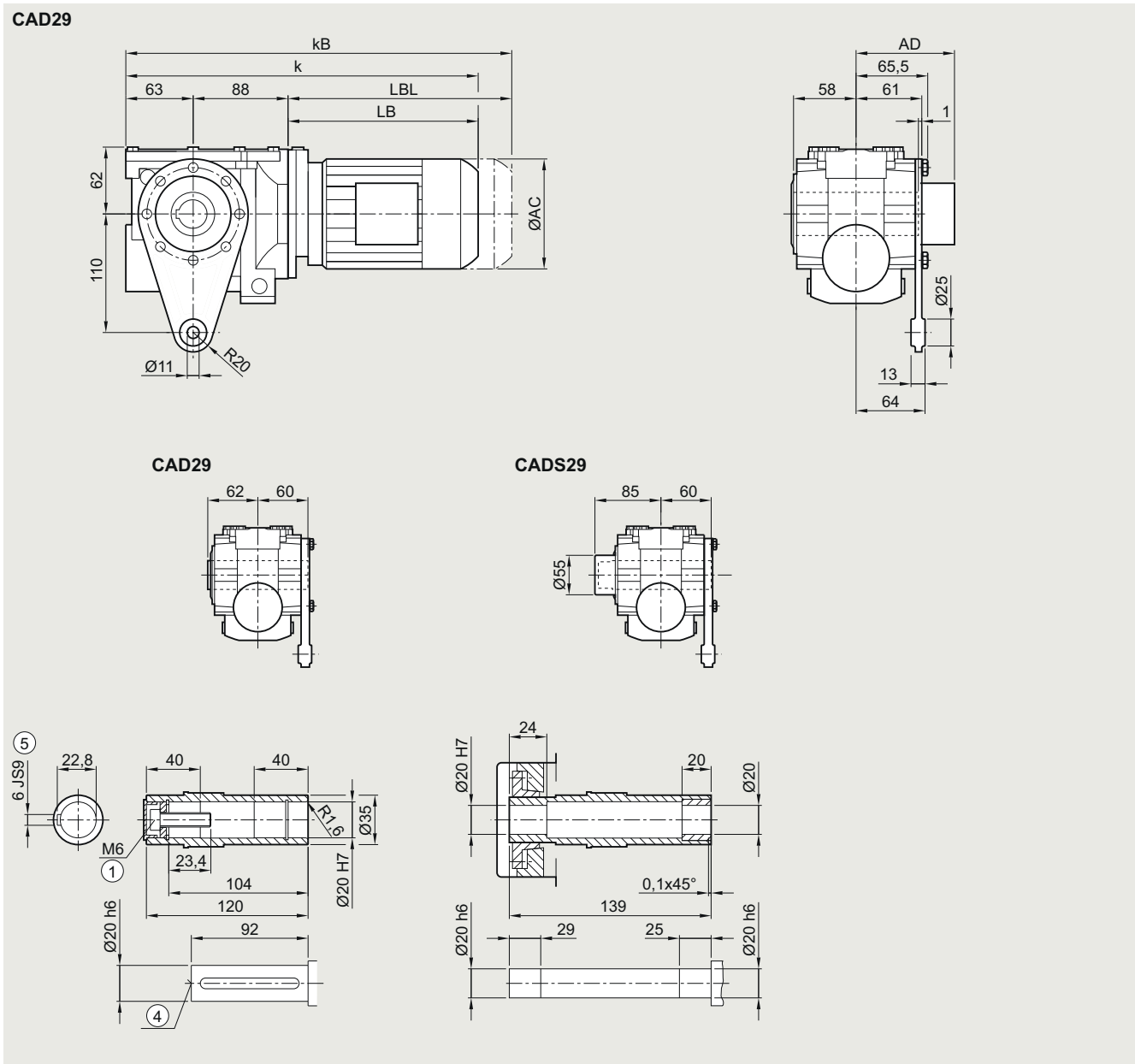
Motor	LE 63	63Z	71	71Z	71Y	80	80Z	90	90Z
AC	117.8	117.8	138.8	138.8	138.8	156.3	156.3	173.8	173.8
AD ¹⁾	124.0	124.0	134.0	134.0	134.0	149.2	149.2	154.2	154.2
k	345.0	371.0	377.0	396.0	436.0	441.0	476.0	502.5	542.5
kB	389.5	415.5	432.0	451.0	491.0	501.0	536.0	572.5	612.5
LB	194.0	220.0	226.0	245.0	285.0	290.0	325.0	351.5	391.5
LBL	238.5	264.5	281.0	300.0	340.0	350.0	385.0	421.5	461.5

① ISO 4014

④ DIN 332

⑤ Feather key/keyway DIN 6885-1

¹⁾ AD depends on the motor options, for other dimensions, see page 9/46.

Gearbox CAD.29 in a shaft-mounted design
CAD030, CADS030


Motor	LE 63	63Z	71	71Z	71Y	80	80Z	90	90Z
AC	117.8	117.8	138.8	138.8	138.8	156.3	156.3	173.8	173.8
AD ¹⁾	124.0	124.0	134.0	134.0	134.0	149.2	149.2	154.2	154.2
k	345.0	371.0	377.0	396.0	436.0	441.0	476.0	502.5	542.5
kB	389.5	415.5	432.0	451.0	491.0	501.0	536.0	572.5	612.5
LB	194.0	220.0	226.0	245.0	285.0	290.0	325.0	351.5	391.5
LBL	238.5	264.5	281.0	300.0	340.0	350.0	385.0	421.5	461.5

① ISO 4014

④ DIN 332

⑤ Feather key/keyway DIN 6885-1

1) AD depends on the motor options, for other dimensions, see page 9/46.

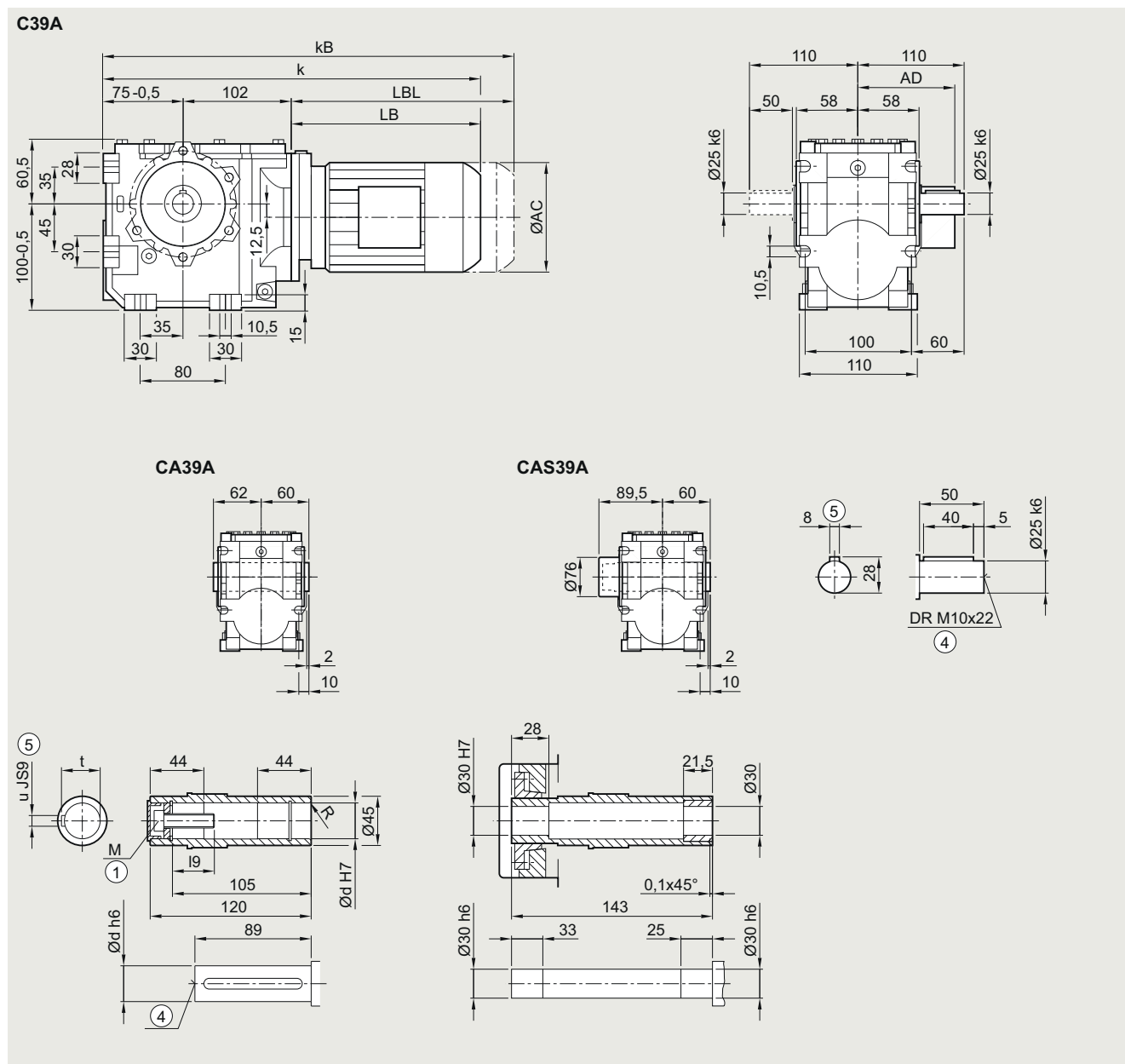
SIMOGEAR geared motors

Helical worm geared motors

Dimensional drawings

Gearbox C..39A in a foot-mounted design

C031, CA031, CAS031



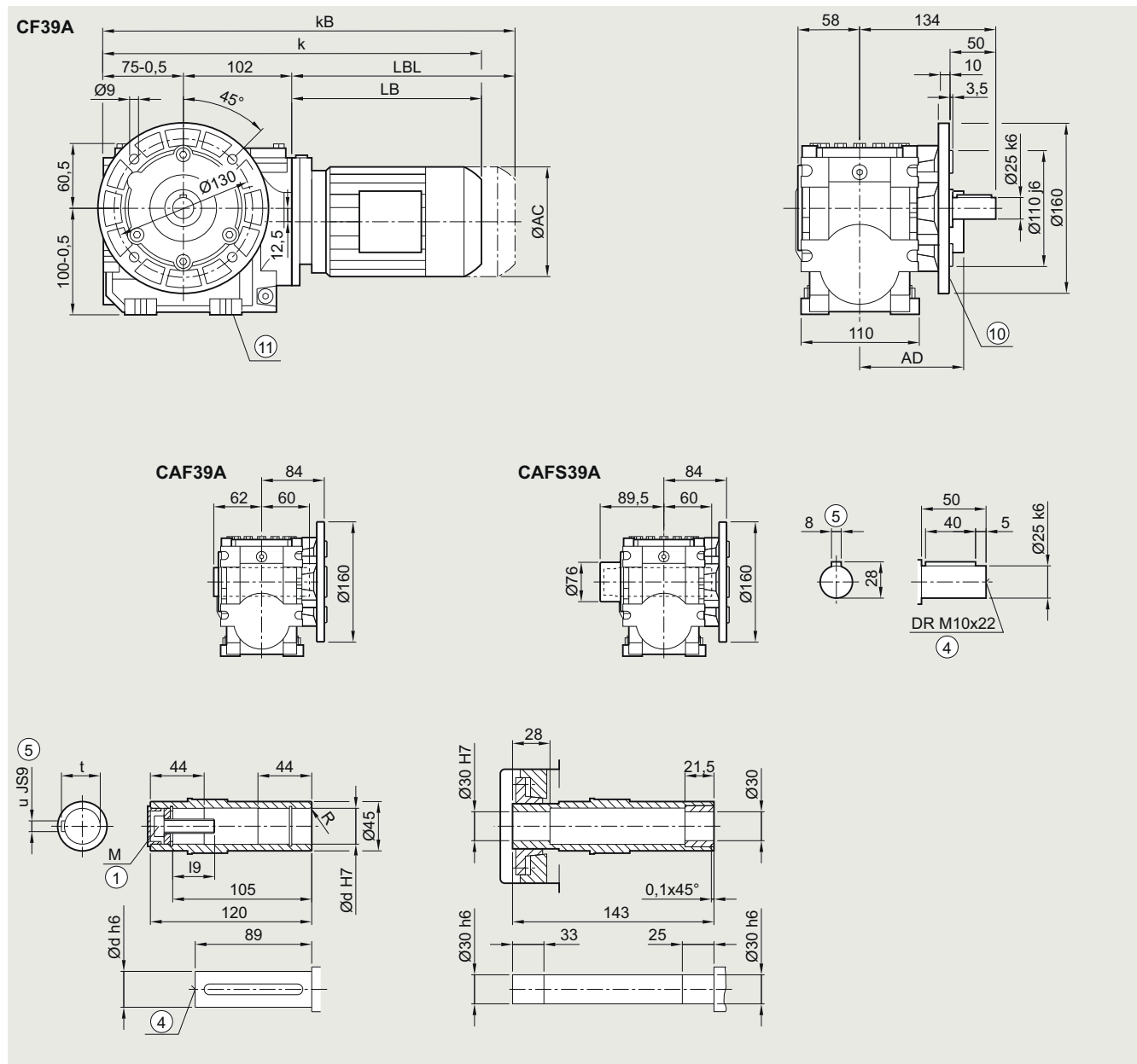
Shaft	d	I9	M	R	t	u					
	25	32.6	M10	1.6	28.3	8					
	30	32.6	M10	3.0	33.3	8					
Motor	LE	63Z	71	71Z	71Y	80	80Z	90	90Z	100	100Z
AC	117.8	117.8	138.8	138.8	138.8	156.3	156.3	173.8	173.8	198.0	198.0
AD ¹⁾	124.0	124.0	134.0	134.0	134.0	149.2	149.2	154.2	154.2	170.5	170.5
k	371.0	397.0	403.0	422.0	462.0	467.0	502.0	528.5	568.5	585.0	620.0
kB	415.5	441.5	458.0	477.0	517.0	527.0	562.0	598.5	638.5	663.5	698.5
LB	194.0	220.0	226.0	245.0	285.0	290.0	325.0	351.5	391.5	408.0	443.0
LBL	238.5	264.5	281.0	300.0	340.0	350.0	385.0	421.5	461.5	486.5	521.5

① ISO 4014

④ DIN 332

⑤ Feather key/keyway DIN 6885-1

¹⁾ AD depends on the motor options, for other dimensions, see page 9/46.

Gearbox C.F.39A in a flange-mounted design
CF031, CAF031, CAFS031


Shaft	d	I9	M	R	t	u					
	25	32.6	M10	1.6	28.3	8					
	30	32.6	M10	3.0	33.3	8					
Motor	LE	63Z	71	71Z	71Y	80	80Z	90	90Z	100	100Z
AC	117.8	117.8	138.8	138.8	138.8	156.3	156.3	173.8	173.8	198.0	198.0
AD ¹⁾	124.0	124.0	134.0	134.0	134.0	149.2	149.2	154.2	154.2	170.5	170.5
k	371.0	397.0	403.0	422.0	462.0	467.0	502.0	528.5	568.5	585.0	620.0
kB	415.5	441.5	458.0	477.0	517.0	527.0	562.0	598.5	638.5	663.5	698.5
LB	194.0	220.0	226.0	245.0	285.0	290.0	325.0	351.5	391.5	408.0	443.0
LBL	238.5	264.5	281.0	300.0	340.0	350.0	385.0	421.5	461.5	486.5	521.5

① ISO 4014

④ DIN 332

⑤ Feather key/keyway DIN 6885-1

⑩ For inner contour, see page 6/63

⑧ Use bores only for foot-mounted design

1) AD depends on the motor options, for other dimensions, see page 9/46.

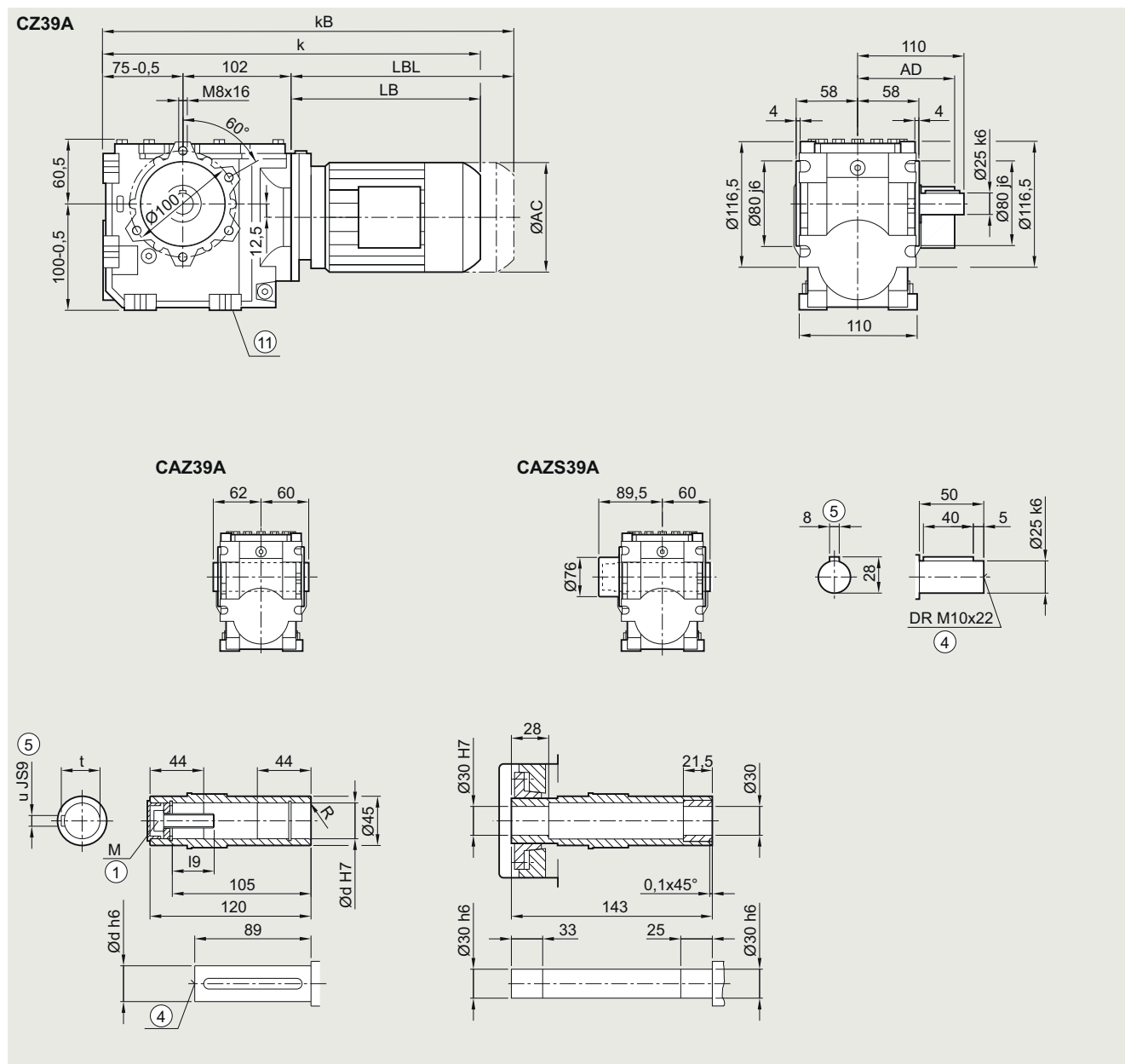
SIMOGEAR geared motors

Helical worm geared motors

Dimensional drawings

Gearbox C.Z.39A in a housing flange design

CZ031, CAZ031, CAZS031



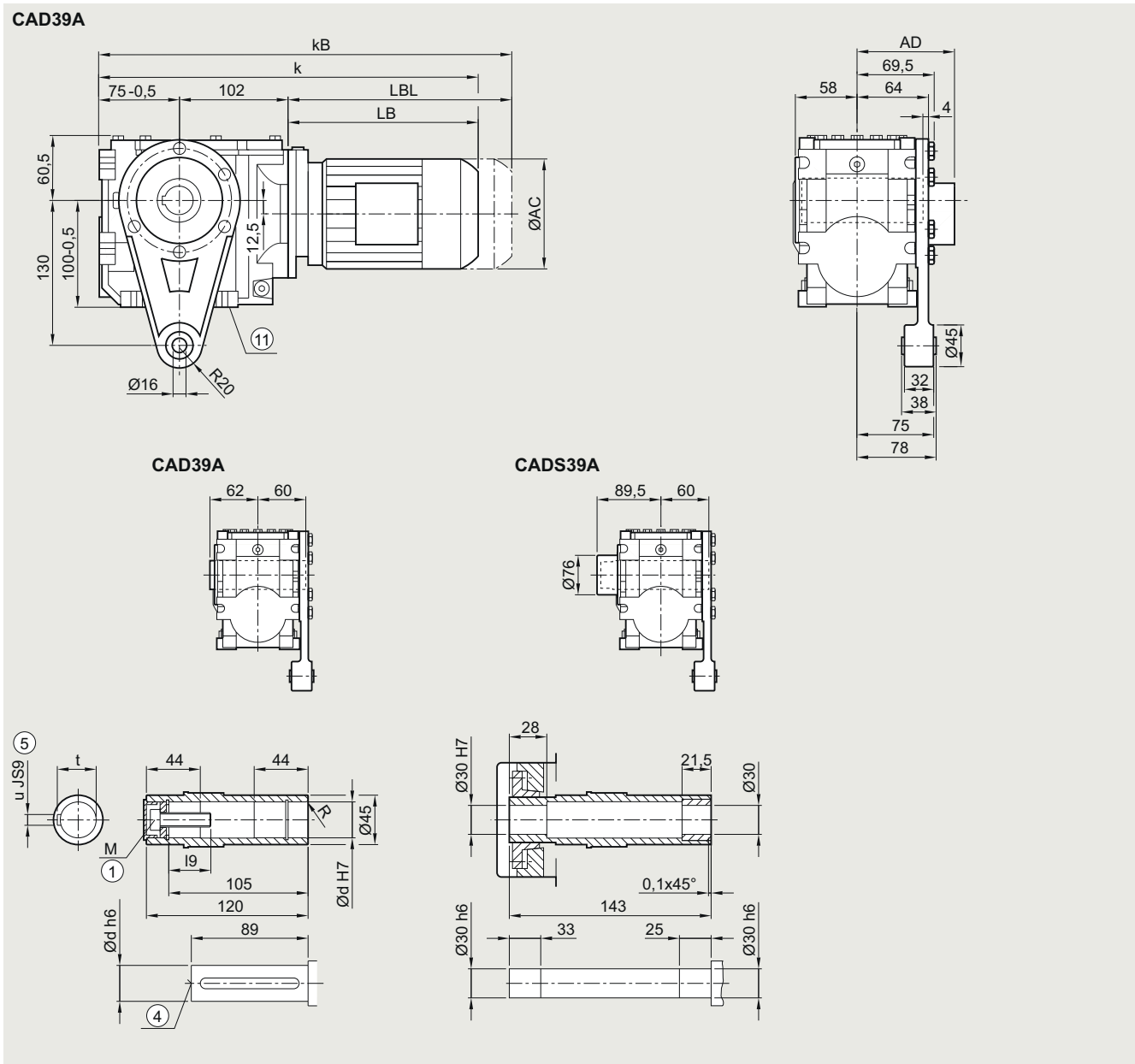
Shaft	d	I9	M	R	t	u					
	25	32.6	M10	1.6	28.3	8					
	30	32.6	M10	3.0	33.3	8					
Motor	LE	63Z	71	71Z	71Y	80	80Z	90	90Z	100	100Z
AC	117.8	117.8	138.8	138.8	138.8	156.3	156.3	173.8	173.8	198.0	198.0
AD ¹⁾	124.0	124.0	134.0	134.0	134.0	149.2	149.2	154.2	154.2	170.5	170.5
k	371.0	397.0	403.0	422.0	462.0	467.0	502.0	528.5	568.5	585.0	620.0
kB	415.5	441.5	458.0	477.0	517.0	527.0	562.0	598.5	638.5	663.5	698.5
LB	194.0	220.0	226.0	245.0	285.0	290.0	325.0	351.5	391.5	408.0	443.0
LBL	238.5	264.5	281.0	300.0	340.0	350.0	385.0	421.5	461.5	486.5	521.5

① ISO 4014

④ DIN 332

⑤ Feather key/keyway DIN 6885-1 ⑥ Use bores only for foot-mounted design

¹⁾ AD depends on the motor options, for other dimensions, see page 9/46.

Gearbox CAD.39A in a shaft-mounted design
CAD031, CADS031


Shaft	d	I9	M	R	t	u					
	25	32.6	M10	1.6	28.3	8					
	30	32.6	M10	3.0	33.3	8					
Motor	LE 63	63Z	71	71Z	71Y	80	80Z	90	90Z	100	100Z
AC	117.8	117.8	138.8	138.8	138.8	156.3	156.3	173.8	173.8	198.0	198.0
AD ¹⁾	124.0	124.0	134.0	134.0	134.0	149.2	149.2	154.2	154.2	170.5	170.5
k	371.0	397.0	403.0	422.0	462.0	467.0	502.0	528.5	568.5	585.0	620.0
k _B	415.5	441.5	458.0	477.0	517.0	527.0	562.0	598.5	638.5	663.5	698.5
LB	194.0	220.0	226.0	245.0	285.0	290.0	325.0	351.5	391.5	408.0	443.0
LBL	238.5	264.5	281.0	300.0	340.0	350.0	385.0	421.5	461.5	486.5	521.5

① ISO 4014

④ DIN 332

⑤ Feather key/keyway DIN 6885-1 ⑥ Use bores only for foot-mounted design

1) AD depends on the motor options, for other dimensions, see page 9/46.

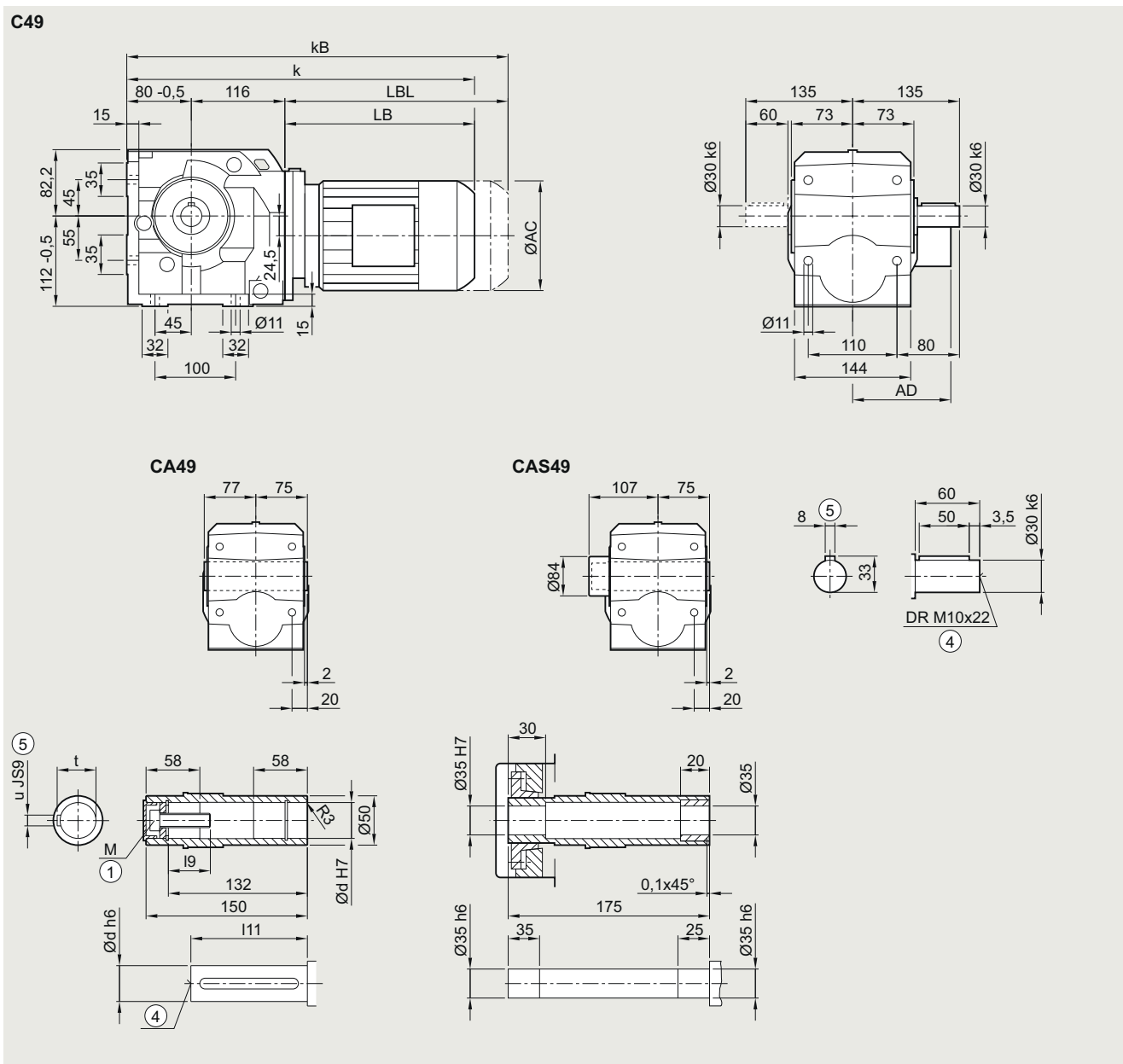
SIMOGEAR geared motors

Helical worm geared motors

Dimensional drawings

Gearbox C..49 in a foot-mounted design

C030, CA030, CAS030



Shaft	d	I9	I11	M	t	u
	30	32.6	114	M10	33.3	8
	35	42	116	M12	38.3	10

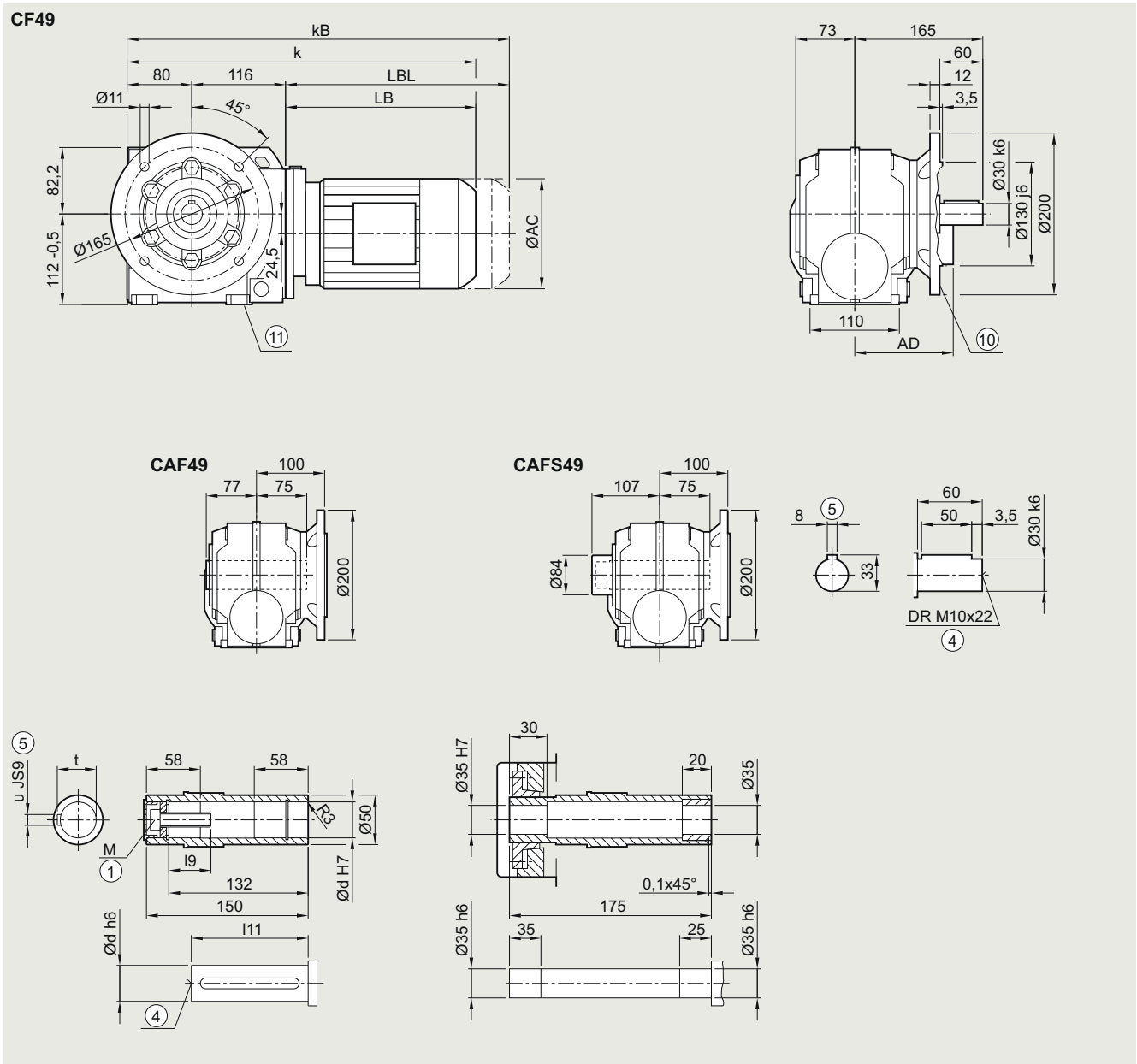
Motor	LE	63Z	71	71Z	71Y	80	80Z	90	90Z	100	100Z	112	112Z
	AC	117.8	117.8	138.8	138.8	138.8	156.3	156.3	173.8	173.8	198.0	198.0	222.0
AD ¹⁾	124.0	124.0	134.0	134.0	134.0	149.2	149.2	154.2	154.2	170.5	170.5	181.5	181.5
k	380.5	406.5	412.5	431.5	471.5	476.5	511.5	538.0	578.0	594.5	629.5	604.5	639.0
kB	425.0	451.0	467.5	486.5	526.5	536.5	571.5	608.0	648.0	673.0	708.0	677.5	712.0
LB	184.5	210.5	216.5	235.5	275.5	280.5	315.5	342.0	382.0	398.5	433.5	408.5	443.0
LBL	229.0	255.0	271.5	290.5	330.5	340.5	375.5	412.0	452.0	477.0	512.0	481.5	516.0

① ISO 4014

④ DIN 332

⑤ Feather key/keyway DIN 6885-1

¹⁾ AD depends on the motor options, for other dimensions, see page 9/46.

Gearbox C.F.49 in a flange-mounted design
CF030, CAF030, CAFS030


Shaft	d	l9	l11	M	t	u
	30	32.6	114	M10	33.3	8
	35	42	116	M12	38.3	10

Motor	LE 63	63Z	71	71Z	71Y	80	80Z	90	90Z	100	100Z	112	112Z
AC	117.8	117.8	138.8	138.8	138.8	156.3	156.3	173.8	173.8	198.0	198.0	222.0	222.0
AD ¹⁾	124.0	124.0	134.0	134.0	134.0	149.2	149.2	154.2	154.2	170.5	170.5	181.5	181.5
k	380.5	406.5	412.5	431.5	471.5	476.5	511.5	538.0	578.0	594.5	629.5	604.5	639.0
kB	425.0	451.0	467.5	486.5	526.5	536.5	571.5	608.0	648.0	673.0	708.0	677.5	712.0
LB	184.5	210.5	216.5	235.5	275.5	280.5	315.5	342.0	382.0	398.5	433.5	408.5	443.0
LBL	229.0	255.0	271.5	290.5	330.5	340.5	375.5	412.0	452.0	477.0	512.0	481.5	516.0

① ISO 4014

④ DIN 332

⑩ Use bores only for foot-mounted design

⑤ Feather key/keyway DIN 6885-1

⑥ For inner contour, see page 6/63

1) AD depends on the motor options, for other dimensions, see page 9/46.

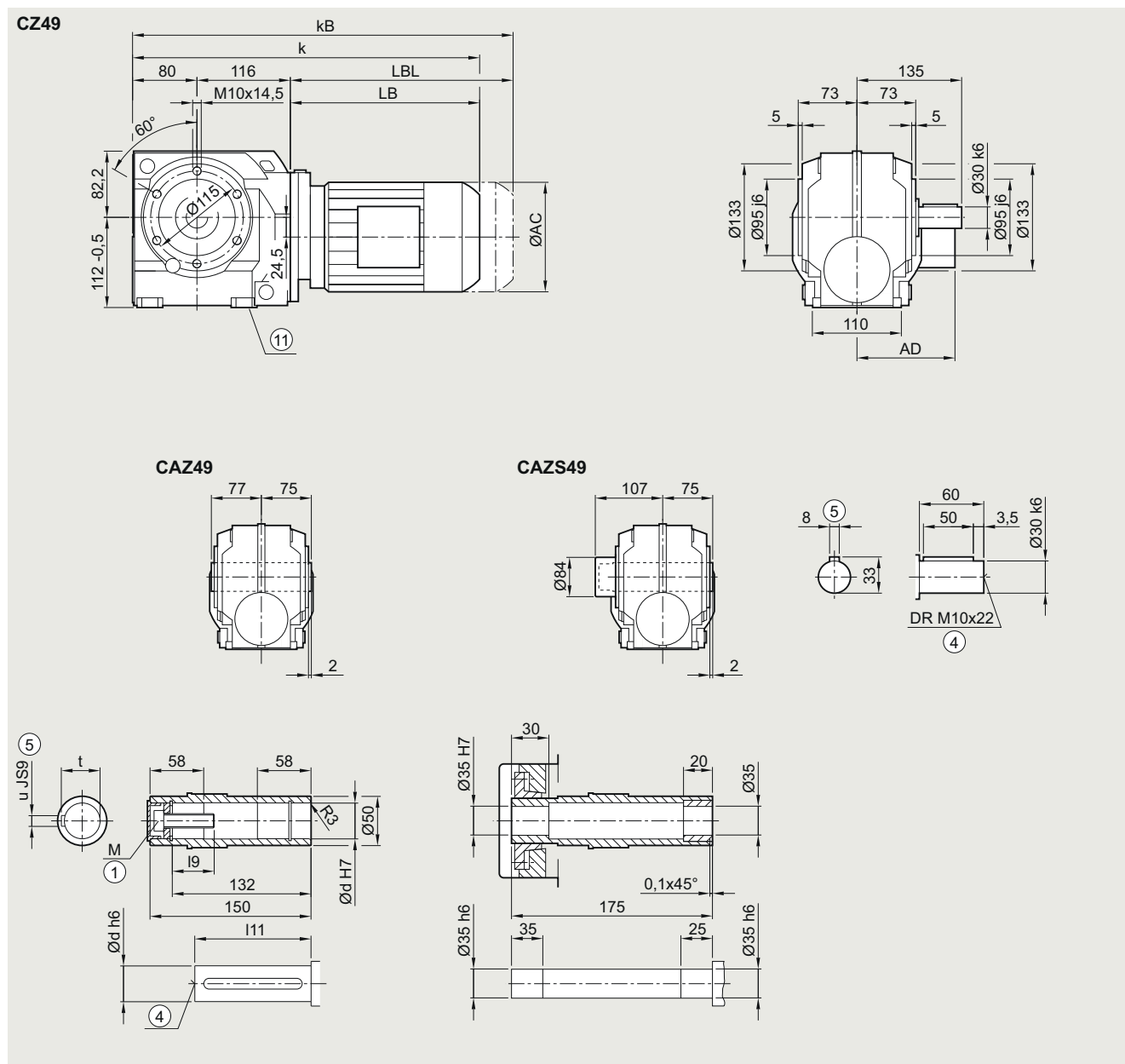
SIMOGEAR geared motors

Helical worm geared motors

Dimensional drawings

Gearbox C.Z.49 in a housing flange design

CZ030, CAZ030, CAZS030



Shaft	d	l9	l11	M	t	u
	30	32.6	114	M10	33.3	8
	35	42	116	M12	38.3	10

Motor	LE 63	63Z	71	71Z	71Y	80	80Z	90	90Z	100	100Z	112	112Z
AC	117.8	117.8	138.8	138.8	138.8	156.3	156.3	173.8	173.8	198.0	198.0	222.0	222.0
AD ¹⁾	124.0	124.0	134.0	134.0	134.0	149.2	149.2	154.2	154.2	170.5	170.5	181.5	181.5
k	380.5	406.5	412.5	431.5	471.5	476.5	511.5	538.0	578.0	594.5	629.5	604.5	639.0
kB	425.0	451.0	467.5	486.5	526.5	536.5	571.5	608.0	648.0	673.0	708.0	677.5	712.0
LB	184.5	210.5	216.5	235.5	275.5	280.5	315.5	342.0	382.0	398.5	433.5	408.5	443.0
LBL	229.0	255.0	271.5	290.5	330.5	340.5	375.5	412.0	452.0	477.0	512.0	481.5	516.0

① ISO 4014

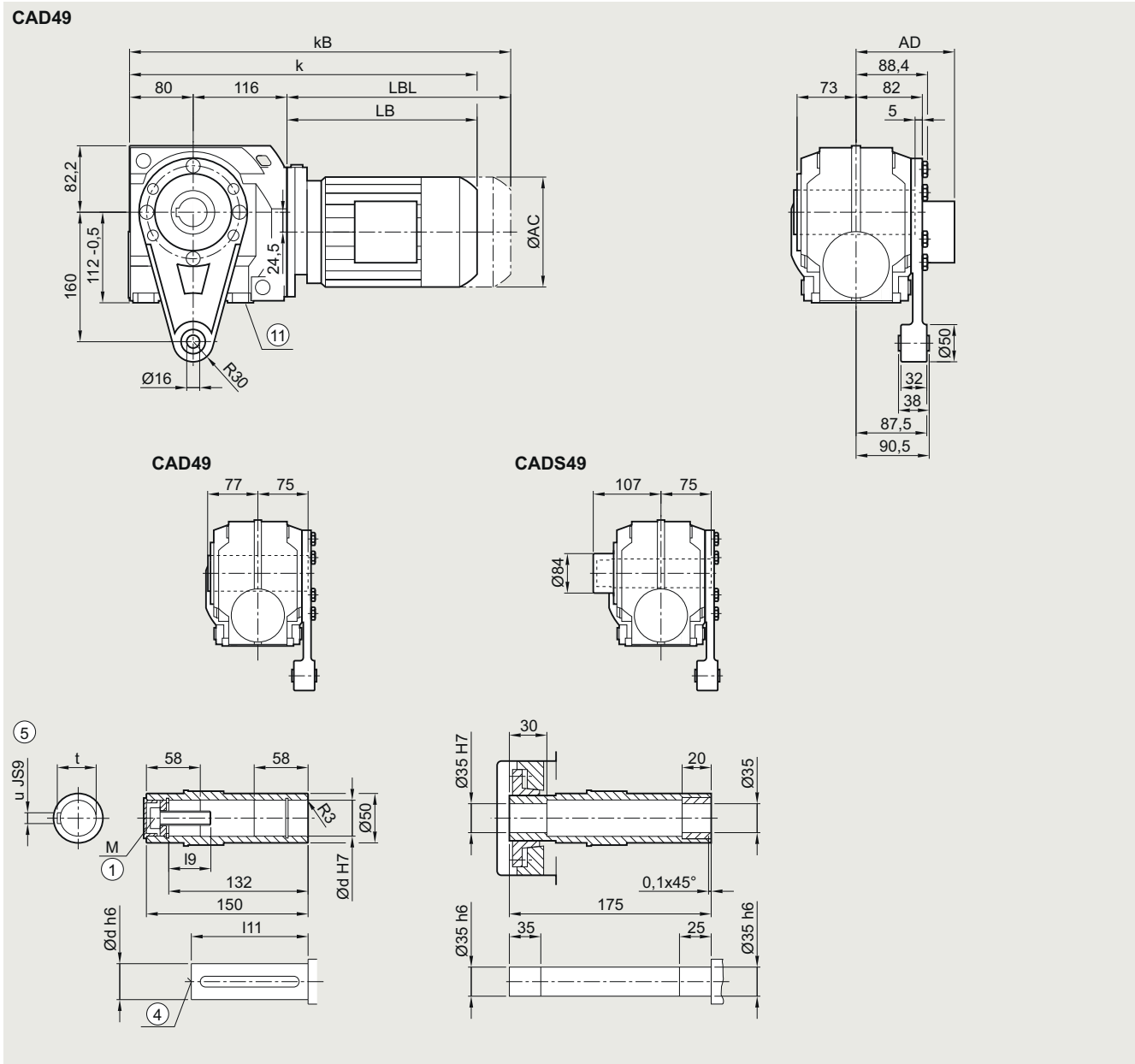
④ DIN 332

⑤ Feather key/keyway DIN 6885-1 ⑥ Use bores only for foot-mounted design

¹⁾ AD depends on the motor options, for other dimensions, see page 9/46.

Gearbox CAD.49 in a shaft-mounted design

CAD030, CADS030



Shaft	d	l9	l11	M	t	u
	30	32.6	114	M10	33.3	8
	35	42	116	M12	38.3	10

Motor	LE 63	63Z	71	71Z	71Y	80	80Z	90	90Z	100	100Z	112	112Z
AC	117.8	117.8	138.8	138.8	138.8	156.3	156.3	173.8	173.8	198.0	198.0	222.0	222.0
AD ¹⁾	124.0	124.0	134.0	134.0	134.0	149.2	149.2	154.2	154.2	170.5	170.5	181.5	181.5
k	380.5	406.5	412.5	431.5	471.5	476.5	511.5	538.0	578.0	594.5	629.5	604.5	639.0
kB	425.0	451.0	467.5	486.5	526.5	536.5	571.5	608.0	648.0	673.0	708.0	677.5	712.0
LB	184.5	210.5	216.5	235.5	275.5	280.5	315.5	342.0	382.0	398.5	433.5	408.5	443.0
LBL	229.0	255.0	271.5	290.5	330.5	340.5	375.5	412.0	452.0	477.0	512.0	481.5	516.0

① ISO 4014

④ DIN 332

⑤ Feather key/keyway DIN 6885-1 ⑥ Use bores only for foot-mounted design

¹⁾ AD depends on the motor options, for other dimensions, see page 9/46.

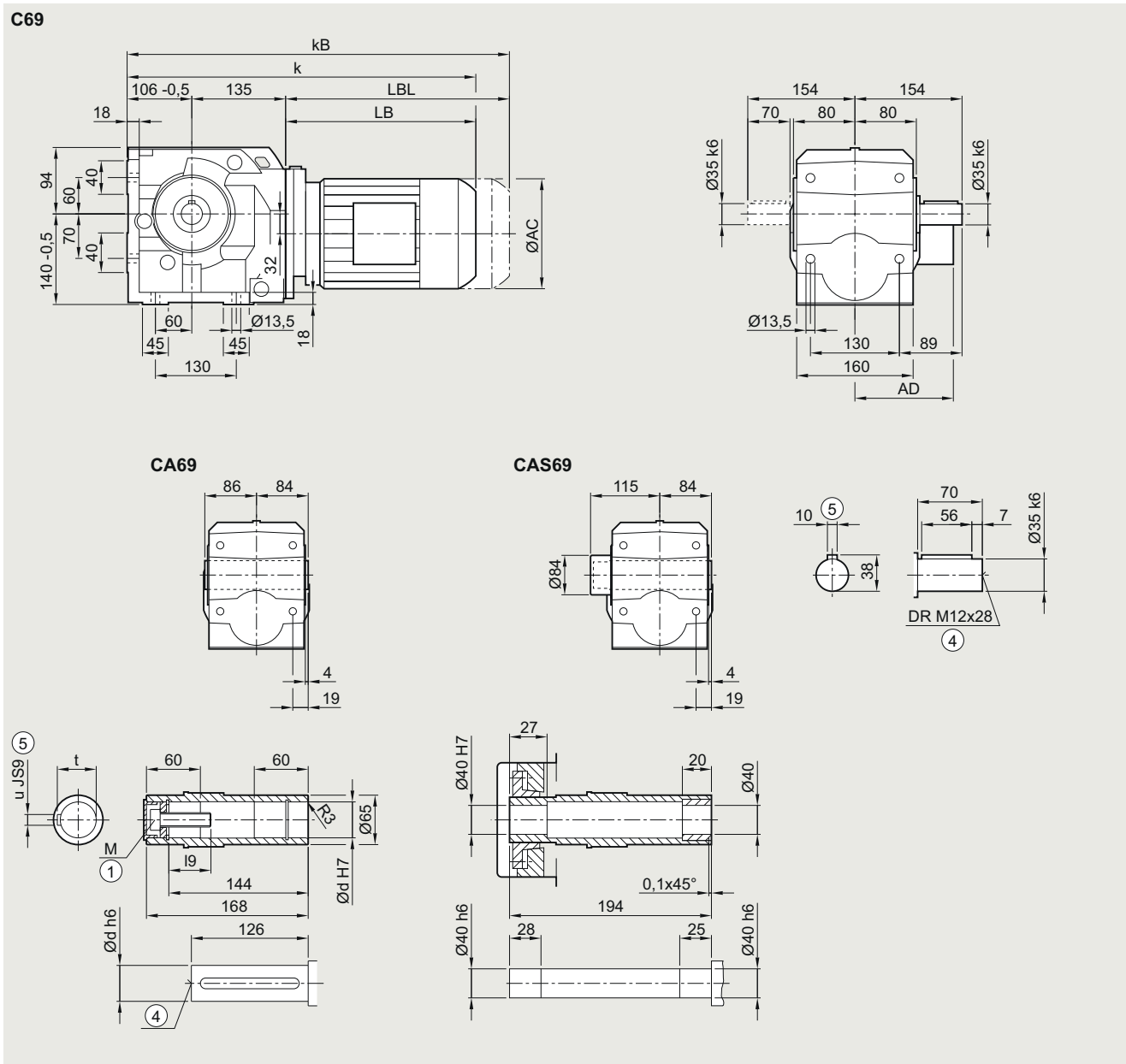
SIMOGEAR geared motors

Helical worm geared motors

Dimensional drawings

Gearbox C..69 in a foot-mounted design

C030, CA030, CAS030



Shaft	d	i9	M	t	u										
	40	47.75	M16	43.3	12										
	45	48.75	M16	48.8	14										
Motor	LE 63	63Z	71	71Z	71Y	80	80Z	90	90Z	100	100Z	112	112Z	132	132Z
AC	117.8	117.8	138.8	138.8	138.8	156.3	156.3	173.8	173.8	198.0	198.0	222.0	222.0	264.0	264.0
AD ¹⁾	124.0	124.0	134.0	134.0	134.0	149.2	149.2	154.2	154.2	170.5	170.5	181.5	181.5	207.0	207.0
k	425.5	451.5	457.5	476.5	516.5	521.5	556.5	583.0	623.0	639.5	674.5	649.5	684.0	702.5	752.5
kB	470.0	496.0	512.5	531.5	571.5	581.5	616.5	653.0	693.0	718.0	753.0	722.5	757.0	807.0	857.0
LB	184.5	210.5	216.5	235.5	275.5	280.5	315.5	342.0	382.0	398.5	433.5	408.5	443.0	461.5	511.5
LBL	229.0	255.0	271.5	290.5	330.5	340.5	375.5	412.0	452.0	477.0	512.0	481.5	516.0	566.0	616.0

① ISO 4014

④ DIN 332

⑤ Feather key/keyway DIN 6885-1

¹⁾ AD depends on the motor options, for other dimensions, see page 9/46.

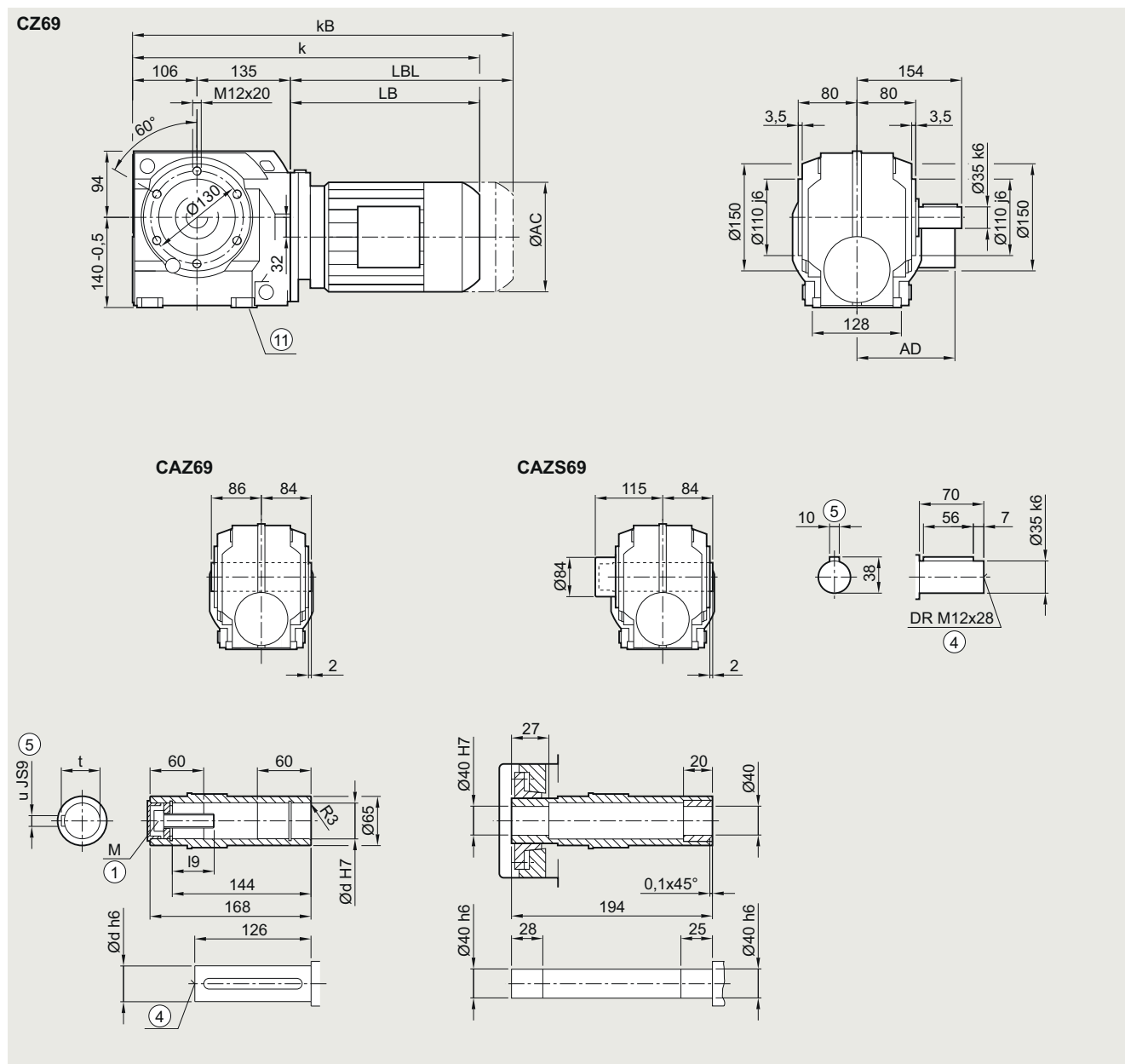
SIMOGEAR geared motors

Helical worm geared motors

Dimensional drawings

Gearbox C.Z.69 in a housing flange design

CZ030, CAZ030, CAZS030



Shaft	d	i9	M	t	u										
	40	47.75	M16	43.3	12										
	45	48.75	M16	48.8	14										
Motor	LE	63Z	71	71Z	71Y	80	80Z	90	90Z	100	100Z	112	112Z	132	132Z
AC	117.8	117.8	138.8	138.8	138.8	156.3	156.3	173.8	173.8	198.0	198.0	222.0	222.0	264.0	264.0
AD ¹⁾	124.0	124.0	134.0	134.0	134.0	149.2	149.2	154.2	154.2	170.5	170.5	181.5	181.5	207.0	207.0
k	425.5	451.5	457.5	476.5	516.5	521.5	556.5	583.0	623.0	639.5	674.5	649.5	684.0	702.5	752.5
kB	470.0	496.0	512.5	531.5	571.5	581.5	616.5	653.0	693.0	718.0	753.0	722.5	757.0	807.0	857.0
LB	184.5	210.5	216.5	235.5	275.5	280.5	315.5	342.0	382.0	398.5	433.5	408.5	443.0	461.5	511.5
LBL	229.0	255.0	271.5	290.5	330.5	340.5	375.5	412.0	452.0	477.0	512.0	481.5	516.0	566.0	616.0

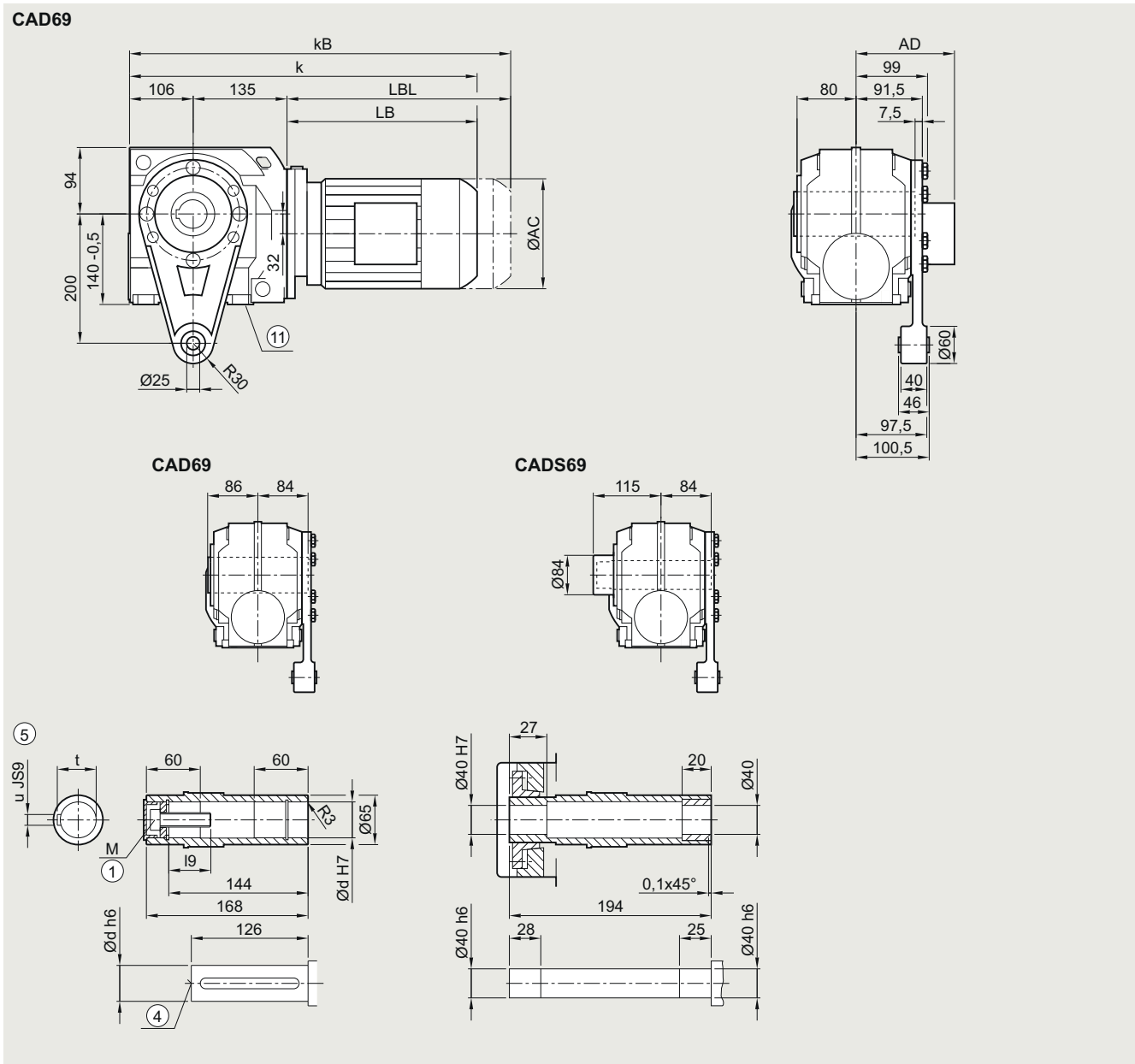
① ISO 4014

④ DIN 332

⑤ Feather key/keyway DIN 6885-1

⑥ Use bores only for foot-mounted design

¹⁾ AD depends on the motor options, for other dimensions, see page 9/46.

Gearbox CAD.69 in a shaft-mounted design
CAD030, CADS030


Shaft	d	i9	M	t	u										
	40	47.75	M16	43.3	12										
	45	48.75	M16	48.8	14										
Motor	LE	63Z	71	71Z	71Y	80	80Z	90	90Z	100	100Z	112	112Z	132	132Z
AC	117.8	117.8	138.8	138.8	138.8	156.3	156.3	173.8	173.8	198.0	198.0	222.0	222.0	264.0	264.0
AD ¹⁾	124.0	124.0	134.0	134.0	134.0	149.2	149.2	154.2	154.2	170.5	170.5	181.5	181.5	207.0	207.0
k	425.5	451.5	457.5	476.5	516.5	521.5	556.5	583.0	623.0	639.5	674.5	649.5	684	702.5	752.5
kB	470.0	496.0	512.5	531.5	571.5	581.5	616.5	653.0	693.0	718.0	753.0	722.5	757	807.0	857.0
LB	184.5	210.5	216.5	235.5	275.5	280.5	315.5	342.0	382.0	398.5	433.5	408.5	443	461.5	511.5
LBL	229.0	255.0	271.5	290.5	330.5	340.5	375.5	412.0	452.0	477.0	512.0	481.5	516	566.0	616.0

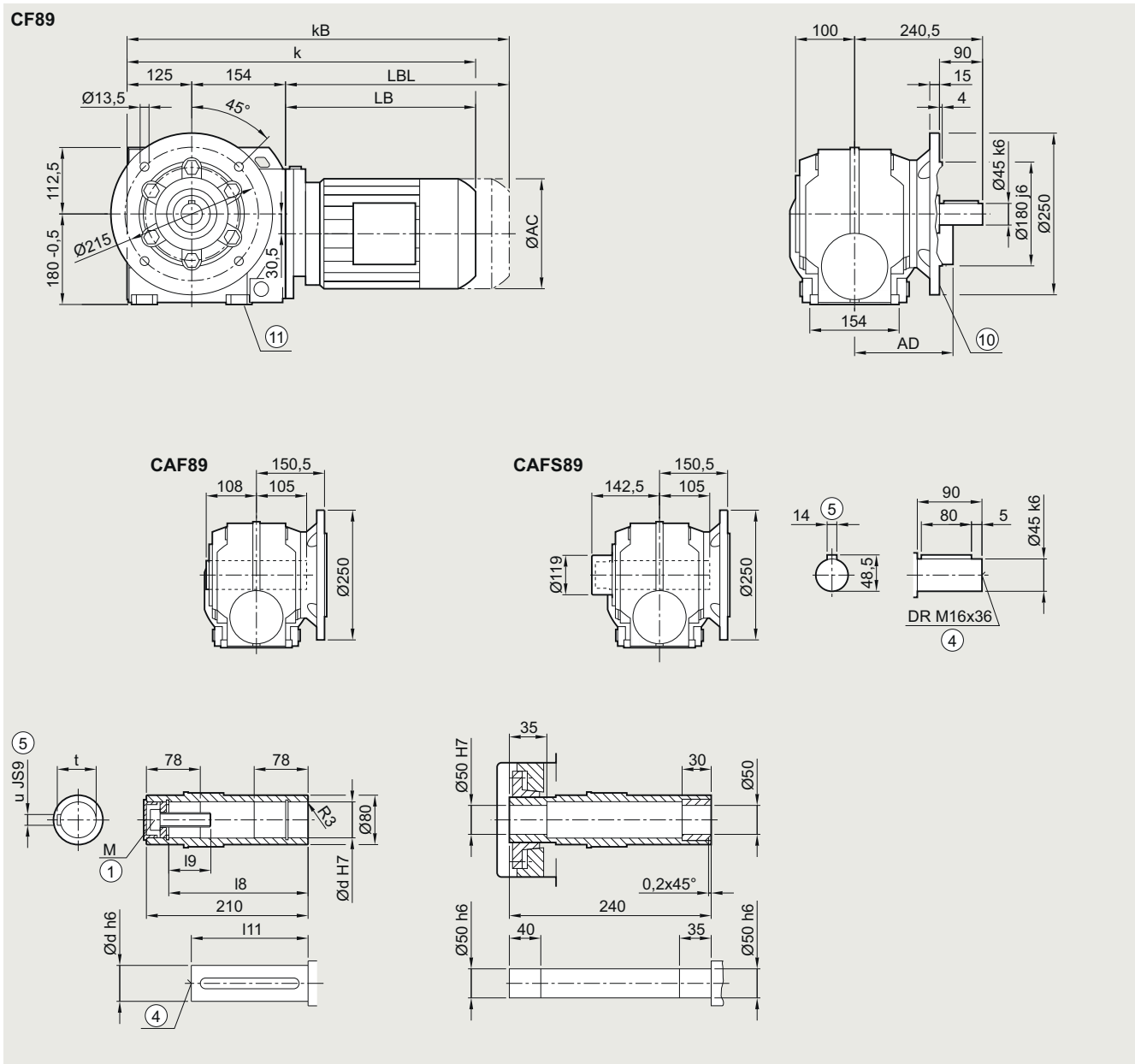
① ISO 4014

④ DIN 332

⑤ Feather key/keyway DIN 6885-1

⑩ Use bores only for foot-mounted design

1) AD depends on the motor options, for other dimensions, see page 9/46.

Gearbox C.F.89 in a flange-mounted design
CF030, CAF030, CAFS030


Shaft	d	l8	l9	l11	M	t	u						
	50	183	44.5	165	M16	53.8	14						
	60	180	57	158	M20	64.4	18						
Motor	LE	71Z	71Y	80	80Z	90	90Z	100	100Z	112	112Z	132	132Z
AC	138.8	138.8	138.8	156.3	156.3	173.8	173.8	198.0	198.0	222.0	222.0	264.0	264.0
AD ¹⁾	134.0	134.0	134.0	149.2	149.2	154.2	154.2	170.5	170.5	181.5	181.5	207.0	207.0
k	493.5	512.5	552.5	553.5	588.5	615.0	655.0	671.5	706.5	681.5	706.5	734.5	784.5
kB	548.5	567.5	607.5	613.5	648.5	685.0	725.0	750.0	785.0	754.5	779.5	839.0	889.0
LB	214.5	233.5	273.5	274.5	309.5	336.0	376.0	392.5	427.5	402.5	427.5	455.5	505.5
LBL	269.5	288.5	328.5	334.5	369.5	406.0	446.0	471.0	506.0	475.5	500.5	560.0	610.0

① ISO 4014

④ DIN 332

⑩ Use bores only for foot-mounted design

⑤ Feather key/keyway DIN 6885-1

⑥ For inner contour, see page 6/63

1) AD depends on the motor options, for other dimensions, see page 9/46.

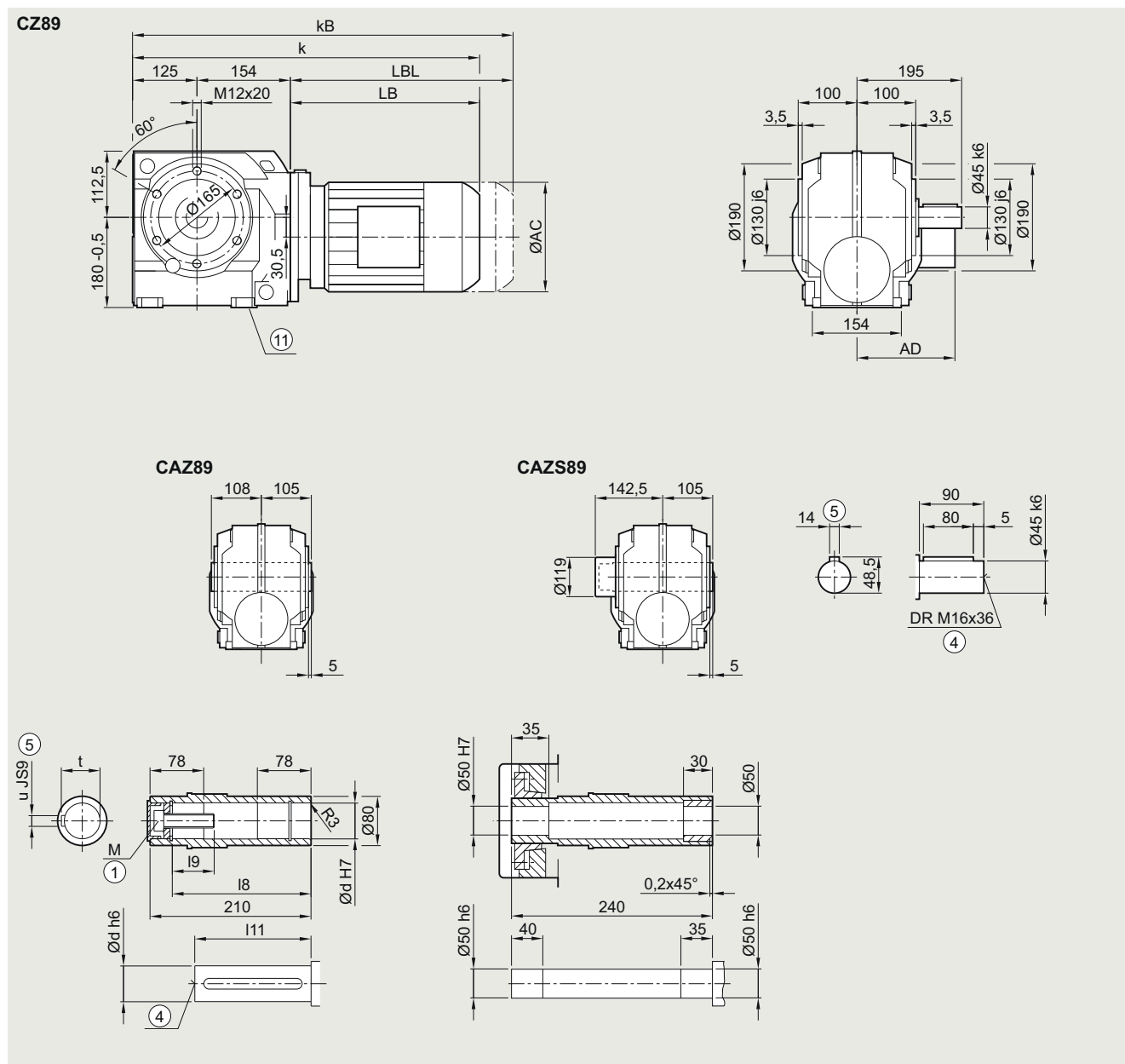
SIMOGEAR geared motors

Helical worm geared motors

Dimensional drawings

Gearbox C.Z.89 in a housing flange design

CZ030, CAZ030, CAZS030



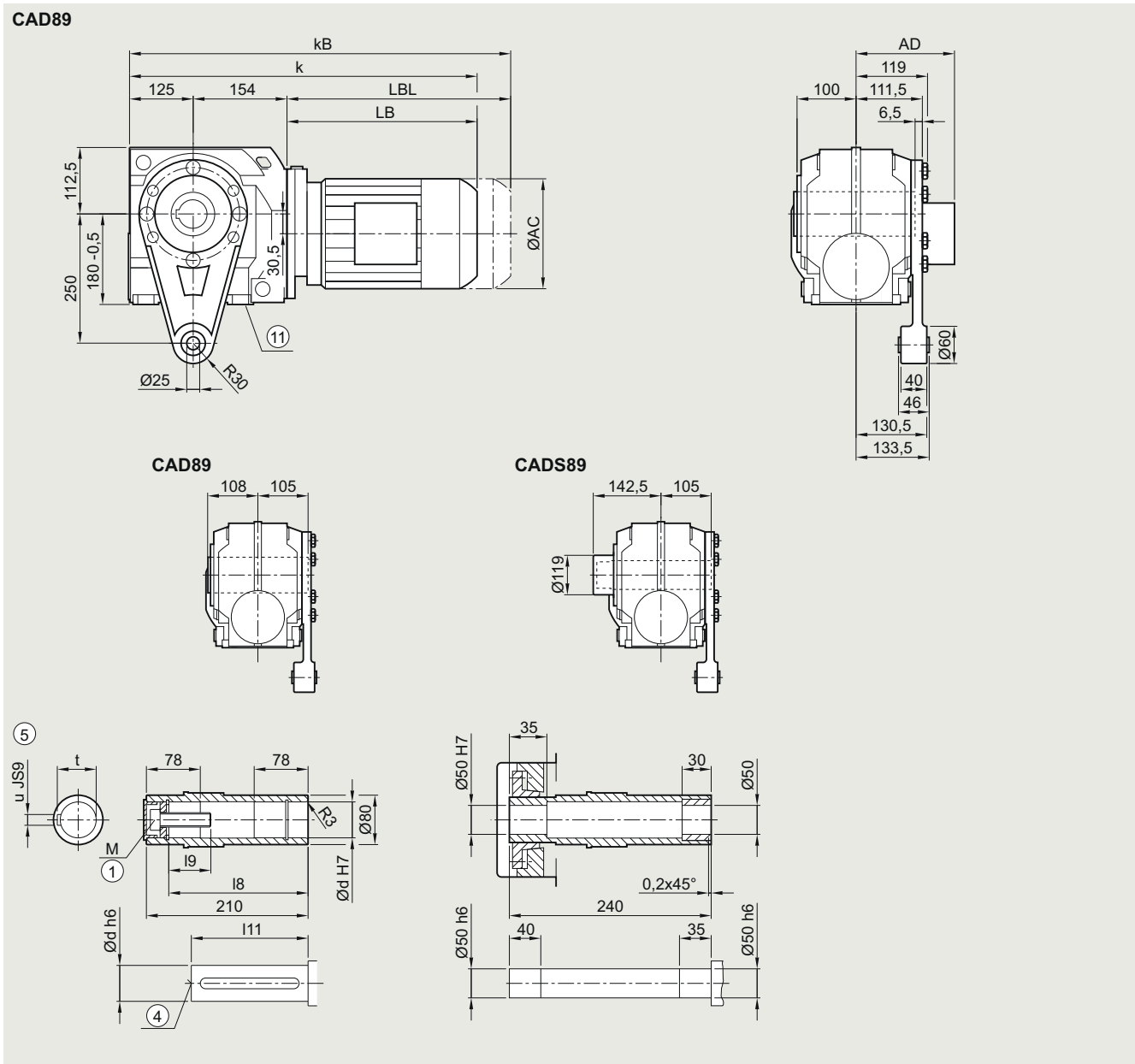
Shaft	d	l8	l9	l11	M	t	u						
	50	183	44.5	165	M16	53.8	14						
	60	180	57	158	M20	64.4	18						
Motor	LE	71Z	71Y	80	80Z	90	90Z	100	100Z	112	112Z	132	132Z
AC	138.8	138.8	138.8	156.3	156.3	173.8	173.8	198.0	198.0	222.0	222.0	264.0	264.0
AD ¹⁾	134.0	134.0	134.0	149.2	149.2	154.2	154.2	170.5	170.5	181.5	181.5	207.0	207.0
k	493.5	512.5	552.5	553.5	588.5	615.0	655.0	671.5	706.5	681.5	706.5	734.5	784.5
kB	548.5	567.5	607.5	613.5	648.5	685.0	725.0	750.0	785.0	754.5	779.5	839.0	889.0
LB	214.5	233.5	273.5	274.5	309.5	336.0	376.0	392.5	427.5	402.5	427.5	455.5	505.5
LBL	269.5	288.5	328.5	334.5	369.5	406.0	446.0	471.0	506.0	475.5	500.5	560.0	610.0

① ISO 4014

④ DIN 332

⑤ Feather key/keyway DIN 6885-1 ⑥ Use bores only for foot-mounted design

¹⁾ AD depends on the motor options, for other dimensions, see page 9/46.

Gearbox CAD.89 in a shaft-mounted design
CAD030, CADS030


Shaft	d	l8	l9	l11	M	t	u						
	50	183	44.5	165	M16	53.8	14						
	60	180	57	158	M20	64.4	18						
Motor	LE	71Z	71Y	80	80Z	90	90Z	100	100Z	112	112Z	132	132Z
AC	138.8	138.8	138.8	156.3	156.3	173.8	173.8	198.0	198.0	222.0	222.0	264.0	264.0
AD ¹⁾	134.0	134.0	134.0	149.2	149.2	154.2	154.2	170.5	170.5	181.5	181.5	207.0	207.0
k	493.5	512.5	552.5	553.5	588.5	615.0	655.0	671.5	706.5	681.5	706.5	734.5	784.5
kB	548.5	567.5	607.5	613.5	648.5	685.0	725.0	750.0	785.0	754.5	779.5	839.0	889.0
LB	214.5	233.5	273.5	274.5	309.5	336.0	376.0	392.5	427.5	402.5	427.5	455.5	505.5
LBL	269.5	288.5	328.5	334.5	369.5	406.0	446.0	471.0	506.0	475.5	500.5	560.0	610.0

⑤ ISO 4014

④ DIN 332

⑥ Feather key/keyway DIN 6885-1 ⑩ Use bores only for foot-mounted design

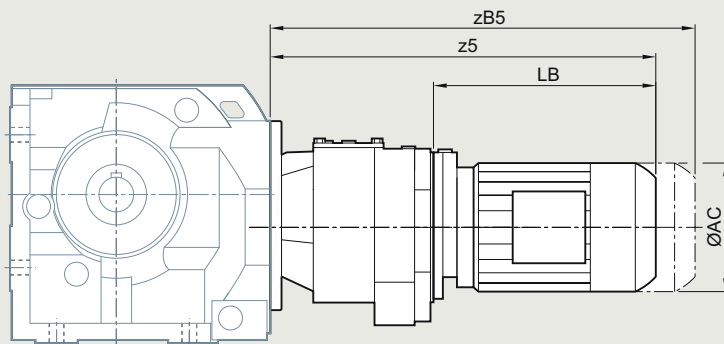
1) AD depends on the motor options, for other dimensions, see page 9/46.

SIMOGEAR geared motors

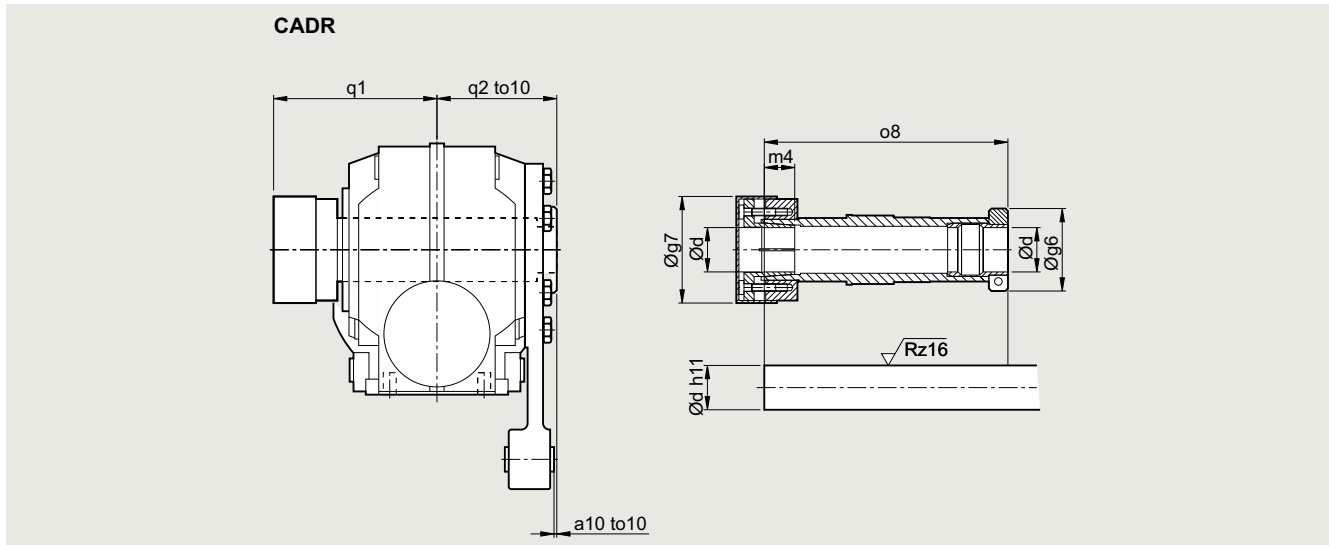
Helical worm geared motors

Dimensional drawings

Helical worm tandem geared motors



Gearbox	Motor	AC	z5	zB5	LB
C.29-Z/D19	LE63	117.8	331.0	375.5	160.5
	LE63Z	117.8	357.0	401.5	186.5
C.39A-Z/D19	LE63	117.8	331.0	375.5	160.5
	LE63Z	117.8	357.0	401.5	186.5
	LE71	138.8	363.0	418.0	184.5
	LE71Z	138.8	382.0	437.0	203.5
	LE71Y	138.8	422.0	477.0	243.5
C.49-Z/D19	LE63	117.8	322.0	366.5	160.5
	LE63Z	117.8	348.0	392.5	186.5
	LE71	138.8	354.0	409.0	184.5
	LE71Z	138.8	373.0	428.0	203.5
	LE71Y	138.8	413.0	468.0	243.5
	LE80	156.3	410.0	470.0	240.0
	LE80Z	156.3	445.0	505.0	275.0
C.69-Z/D19	LE63	117.8	322.0	366.5	160.5
	LE63Z	117.8	348.0	392.5	186.5
	LE71	138.8	354.0	409.0	184.5
	LE71Z	138.8	373.0	428.0	203.5
	LE71Y	138.8	413.5	468.0	243.5
	LE80	156.3	410.0	470.0	240.0
	LE80Z	156.3	445.0	505.0	275.0
C.89-Z/D39	LE63	117.8	373.5	418.0	194.0
	LE63Z	117.8	399.5	444.0	220.0
	LE71	138.8	405.5	460.5	226.0
	LE71Z	138.8	424.5	479.5	245.0
	LE71Y	138.8	464.5	519.5	285.0
	LE80	156.3	469.5	529.5	290.0
	LE80Z	156.3	504.5	564.5	325.0
	LE90	173.8	531.0	601.0	351.5
	LE90Z	173.8	571.0	641.0	391.5

SIMOLOC assembly system


Note mounting tolerance to10 when positioning the torque arm.

d	g6	g7	m4	o8	q1	q2	a10	to10
CADR.29								
20	58.5	56	18.5	151.0	102	75	11	+2.1
1"								+0.6
0.75"								
CADR39A								
30	62.0	76	22	160.5	106	75	39	+2.2
25								+0.7
1.25"								
1.1875"								
1"								
CADR49								
35	65.0	84	24	192.0	124	90	35	+2.6
30								+0.8
1.4375"								
1.375"								
1.25"								
1.1875"								
CADR69								
40	79.5	94	30	217.5	138	102	39	+2.5
35								+0.7
1.5"								
1.4375"								
1.375"								
1.625"								
CADR89								
50	89.0	114	32	264.0	171	124	45	+3.4
40								+1.5
2"								
1.9375"								
1.75"								
1.625"								

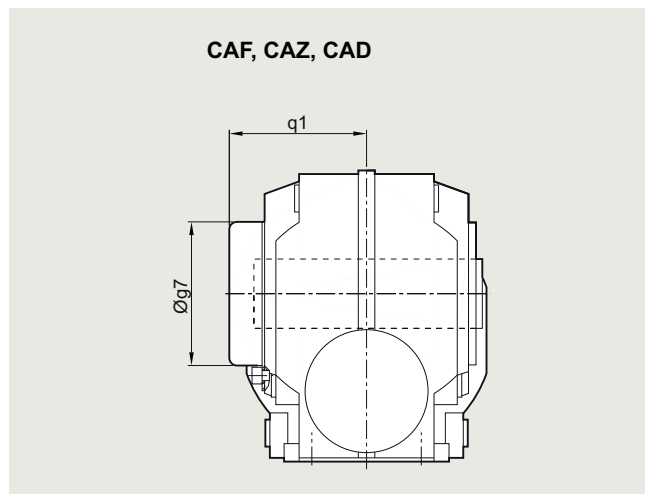
SIMOGEAR geared motors

Helical worm geared motors

Dimensional drawings

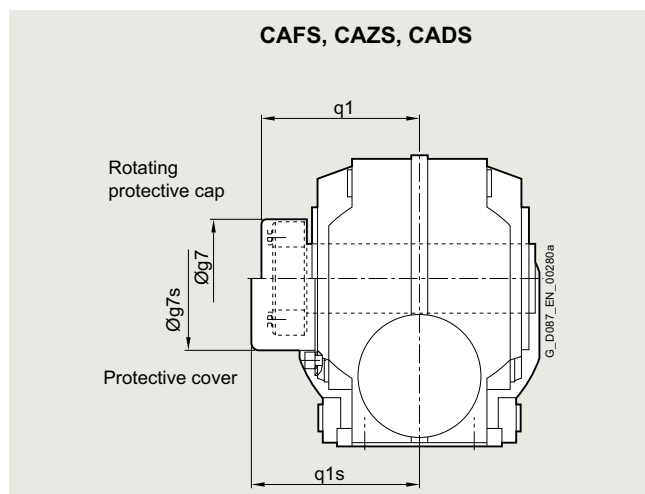
Protective covers

Protective covers for hollow shaft



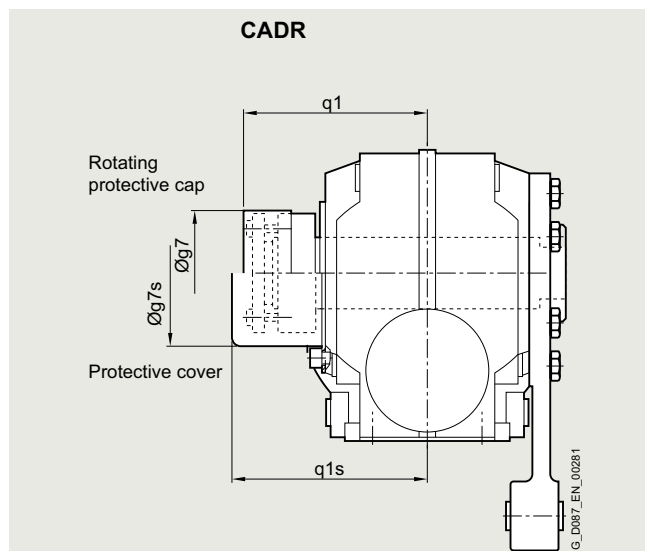
Gearbox type	CA.29	CA.39A	CA.49	CA.69	CA.89
Protective cover					
g7	67.0	82.5	80.0	99.0	137.0
q1	76.0	73.0	99.0	95.5	124.5

Protective covers for hollow shaft with shrink disk

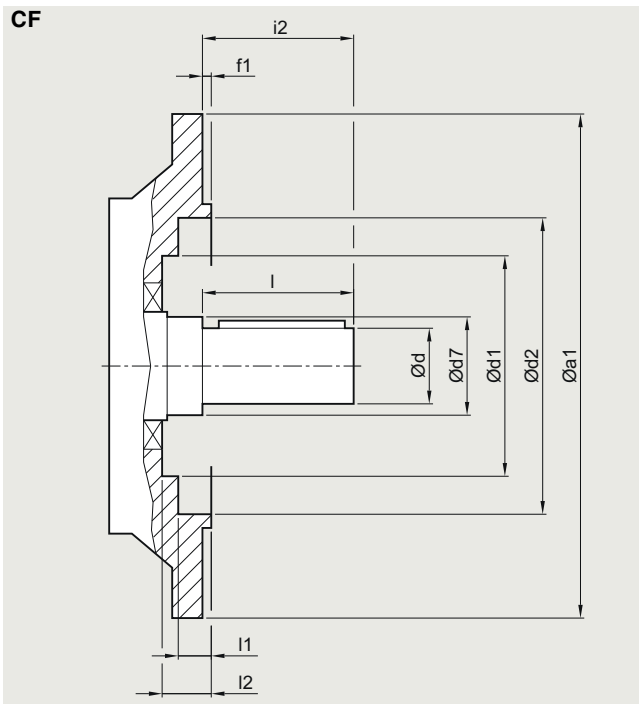


Gearbox type	CA.S29	CA.S39A	CA.S49	CA.S69	CA.S89
Rotating protective cap for the shrink disk version					
g7	55.0	76.0	84.0	84.0	94.0
q1	85.0	89.5	107.0	115.0	125.5
Protective cover					
g7s	58.0	82.5	86.0	99.0	137.0
q1s	91.0	109.0	122.0	126.5	176.5

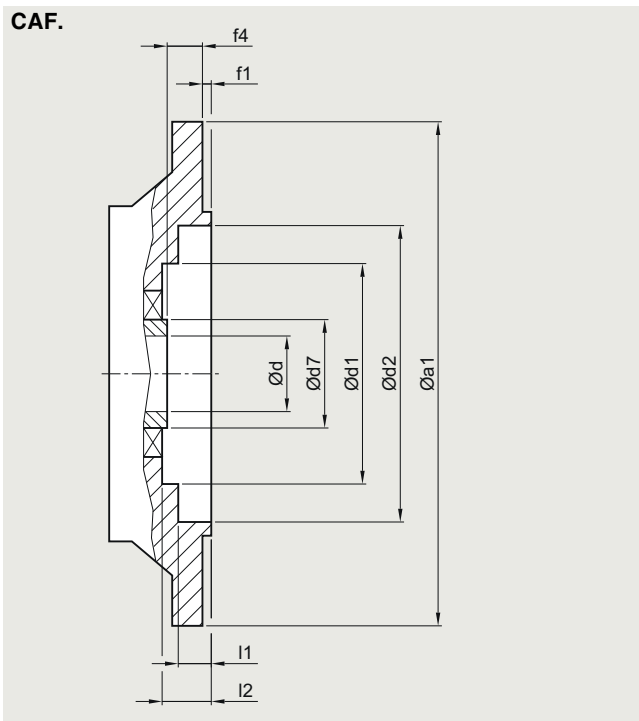
Protective covers for hollow shaft with SIMOLOC assembly system



Gearbox type	CADR29	CADR39A	CADR49	CADR69	CADR89
Rotating protective cap					
g7	56.0	76.0	84.0	94.0	114.0
q1	101.5	106.0	124.0	144.0	171.0
Protective cover					
g7s	58.0	82.5	86.0	99	137.0
q1s	102.0	109.0	126.0	145.5	176.5

Inner contour of the flange-mounted design
Notes regarding the design of the customer's interface for the solid shaft design


Gearbox type	a1	d	d7	d1	d2	f1	i2	l	l1	l2
CF29	120	20	40	–	70	3.0	40	40	24.0	–
	160			70	101	3.5			8.5	24.5
CF39A	160	25	30	–	100	3.5	50	50	4.0	–
CF49	200	30	35	–	118	3.5	60	60	5.5	–
CF69	200	35	45	105	120	4.0	70	70	4.5	48.0
CF89	250	45	70	134	165	4.0	90	90	6.5	53.0

Notes regarding the design of the customer's interface for the hollow shaft design


Gearbox type	a1	d	d7	d1	d2	f1	f4	l1	l2
CAF.29	120	20	35	–	70	3.0	23.0	24.0	–
	160			70	101	3.5		8.5	24.5
CAF.39A	160	25	45	75	100	3.5	24.0	5.0	29.5
		30							
CAF.49	200	30	50	90	120	3.5	25.0	4.0	30.5
		35							
CAF.69	200	40	65	105	120	4.0	42.0	4.5	48.0
		45							
CAF.89	250	50	80	134	147	4.0	45.5	14.0	53.0
		60							

SIMOGEAR geared motors

Notes

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