

Bevel geared motors



5/2	Orientation
5/3 5/3	Geared motors up to 55 kW Selection and ordering data
5/44 5/44	Transmission ratios and torques Selection and ordering data
5/58 5/58	Transmission ratios and torques for very low speeds Selection and ordering data
5/68 5/68	Dimensional drawings Overview
5/70	Bevel geared motors B..19
5/74	Bevel geared motors B..29
5/78	Bevel geared motors B..39
5/82	Bevel geared motors B..49
5/86	Bevel geared motors K..39
5/90	Bevel geared motors K..49
5/94	Bevel geared motors K..69
5/98	Bevel geared motors K..79
5/102	Bevel geared motors K..89
5/107	Bevel geared motors K..109
5/112	Bevel geared motors K..129
5/117	Bevel geared motors K..149
5/122	Bevel geared motors K..169
5/127	Bevel geared motors K..189
5/131	Bevel tandem geared motors
5/133	SIMOLOC assembly system
	<u>Protective covers</u>
5/134	Protective covers for hollow shaft
5/135	Protective covers for hollow shaft with shrink disk
5/135	Protective covers for hollow shaft with SIMOLOC assembly system
5/136	Inner contour of the flange-mounted design

SIMOGEAR geared motors

Bevel geared motors

Orientation

Bevel geared motors 2-stage

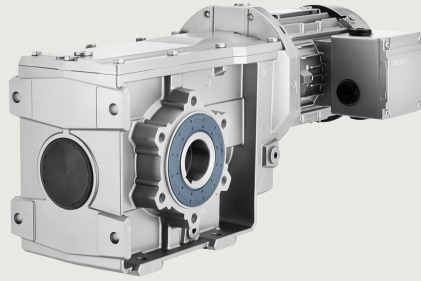


Bild 5/1 Bevel geared motor B

Designs	Mounting	Frame sizes	Maximum output torque T_{2N} Nm	Transmission ratio i –	Maximum motor power ¹⁾ P_1 kW	Supported motors
• Foot-mounted design • Flange-mounted design with or without VLplus reinforced bearing systems • Design with integrated housing flange • Shaft-mounted design	• 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	B19 ... B49	50 ... 450	3,5 ... 59	7,5	• Converter World Motor • Induction motors • Synchronous reluctance motors • VSD10 line motors • Explosion-protected motors

Bevel geared motors 3-stage

Bevel tandem geared motors 5- or 6-stage for especially low output speeds

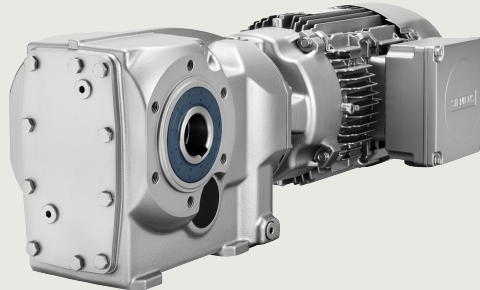


Bild 5/2 Bevel geared motor K

Designs	Mounting	Frame sizes	Maximum output torque T_{2N} Nm	Transmission ratio i –	Maximum motor power ¹⁾ P_1 kW	Supported motors
• Foot-mounted design • Flange-mounted design with or without VLplus reinforced bearing systems • Design with integrated housing flange • Shaft-mounted design • Tandem geared motor	• Hollow shaft design with feather key • Hollow shaft design with splined shaft • Hollow shaft design with shrink disk • Hollow shaft design with SIMOLOC assembly system • Solid shaft design with and without feather key	K39 ... K189	150 ... 19500	5.17 ... 244	55	• Converter World Motor • Induction motors • Synchronous reluctance motors • VSD10 line motors • Explosion-protected motors
		K39-Z19 ... K189-D69	220 ... 19500	170 ... 14900	7.5	

¹⁾ With 4-pole motor up to 55 kW for a 50 Hz line frequency in integral type of construction. An adapter must be mounted for a motor power > 55 kW.

SIMOGEAR geared motors

Bevel geared motors

Geared motors up to 55 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
0.09	K.39-LE63MEB6							
	5.7	151	157.32	6330	1.5	15	2KJ3504- ■ BD21- ■ ■ J2 -Z	P01
	6.4	134	139.54	6400	1.6	15	2KJ3504- ■ BD21- ■ ■ H2 -Z	P01
	7.4	116	121.07	6460	1.9	15	2KJ3504- ■ BD21- ■ ■ G2 -Z	P01
	8.1	106	110.06	6500	2.1	15	2KJ3504- ■ BD21- ■ ■ F2 -Z	P01
	B.29-LE63MEB6							
	19	45	46.85	4200	2.4	9	2KJ3501- ■ BD21- ■ ■ B2 -Z	P01
	22	40	41.56	4200	2.8	9	2KJ3501- ■ BD21- ■ ■ A2 -Z	P01
	25	35	36.06	4200	3.2	9	2KJ3501- ■ BD21- ■ ■ X1 -Z	P01
	27	32	32.78	4200	3.5	9	2KJ3501- ■ BD21- ■ ■ W1 -Z	P01
	B.29-LE63MCA4							
	30	29	46.85	4200	3.9	9	2KJ3501- ■ BB21- ■ ■ B2 -Z	–
	34	25	41.56	4200	4.3	9	2KJ3501- ■ BB21- ■ ■ A2 -Z	–
	39	22	36.06	4200	5	9	2KJ3501- ■ BB21- ■ ■ X1 -Z	–
	43	20	32.78	4200	5.5	9	2KJ3501- ■ BB21- ■ ■ W1 -Z	–
	50	17	28.11	4200	6.4	9	2KJ3501- ■ BB21- ■ ■ V1 -Z	–
	55	16	25.56	4200	7.1	9	2KJ3501- ■ BB21- ■ ■ U1 -Z	–
	63	14	22.41	4200	8.1	9	2KJ3501- ■ BB21- ■ ■ T1 -Z	–
	70	12	20.00	4200	9	9	2KJ3501- ■ BB21- ■ ■ S1 -Z	–
	79	11	17.82	4200	10	9	2KJ3501- ■ BB21- ■ ■ R1 -Z	–
	86	10	16.45	4200	11	9	2KJ3501- ■ BB21- ■ ■ Q1 -Z	–
	98	8.8	14.40	4200	12	9	2KJ3501- ■ BB21- ■ ■ P1 -Z	–
	112	7.7	12.63	4200	14	9	2KJ3501- ■ BB21- ■ ■ N1 -Z	–
	B.19-LE63MEB6							
	21	40	42.10	1910	1.2	8	2KJ3500- ■ BD21- ■ ■ A2 -Z	P01
	24	36	37.28	1910	1.4	8	2KJ3500- ■ BD21- ■ ■ X1 -Z	P01
	28	31	32.39	1910	1.6	8	2KJ3500- ■ BD21- ■ ■ W1 -Z	P01
	30	28	29.44	1910	1.8	8	2KJ3500- ■ BD21- ■ ■ V1 -Z	P01
	B.19-LE63MCA4							
	33	26	42.10	1910	1.9	8	2KJ3500- ■ BB21- ■ ■ A2 -Z	–
	38	23	37.28	1910	2.2	8	2KJ3500- ■ BB21- ■ ■ X1 -Z	–
	44	20	32.39	1910	2.5	8	2KJ3500- ■ BB21- ■ ■ W1 -Z	–
	48	18	29.44	1910	2.8	8	2KJ3500- ■ BB21- ■ ■ V1 -Z	–
	56	15	25.06	1910	3.3	8	2KJ3500- ■ BB21- ■ ■ U1 -Z	–
	62	14	22.78	1910	3.6	8	2KJ3500- ■ BB21- ■ ■ T1 -Z	–
	71	12	19.86	1910	4.1	8	2KJ3500- ■ BB21- ■ ■ S1 -Z	–
	79	11	17.78	1910	4.6	8	2KJ3500- ■ BB21- ■ ■ R1 -Z	–
	89	9.6	15.79	1910	5.2	8	2KJ3500- ■ BB21- ■ ■ Q1 -Z	–
	97	8.9	14.57	1910	5.6	8	2KJ3500- ■ BB21- ■ ■ P1 -Z	–
	111	7.7	12.66	1910	6.5	8	2KJ3500- ■ BB21- ■ ■ N1 -Z	–
	128	6.7	11.00	1910	7.5	8	2KJ3500- ■ BB21- ■ ■ M1 -Z	–
	142	6.1	9.93	1910	8.3	8	2KJ3500- ■ BB21- ■ ■ L1 -Z	–
	151	5.7	9.35	1910	8.8	8	2KJ3500- ■ BB21- ■ ■ K1 -Z	–
	173	5	8.15	1910	9.5	8	2KJ3500- ■ BB21- ■ ■ J1 -Z	–
	179	4.8	7.87	1910	7.9	8	2KJ3500- ■ BB21- ■ ■ H1 -Z	–
	202	4.3	6.99	1910	8.9	8	2KJ3500- ■ BB21- ■ ■ G1 -Z	–
	219	3.9	6.45	1910	9.9	8	2KJ3500- ■ BB21- ■ ■ F1 -Z	–
	251	3.4	5.61	1910	11	8	2KJ3500- ■ BB21- ■ ■ E1 -Z	–
	290	3	4.87	1910	12	8	2KJ3500- ■ BB21- ■ ■ D1 -Z	–
	320	2.7	4.40	1910	13	8	2KJ3500- ■ BB21- ■ ■ C1 -Z	–
	341	2.5	4.14	1910	13	8	2KJ3500- ■ BB21- ■ ■ B1 -Z	–
	391	2.2	3.61	1910	14	8	2KJ3500- ■ BB21- ■ ■ 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, C or D** [see page 10/42](#)

SIMOGEAR geared motors

Bevel geared motors

Geared motors up to 55 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
0.12	K.39-LE63ZMH4P							
	8.8	130	157.32	6410	1.7	17	2KJ3504- ■ BD23- ■ ■ J2 -Z -	
	10	115	139.54	6470	1.9	17	2KJ3504- ■ BD23- ■ ■ H2 -Z -	
	11	100	121.07	6520	2.2	17	2KJ3504- ■ BD23- ■ ■ G2 -Z -	
	B.29-LE63ZMH4P							
	30	39	46.85	4200	2.8	11	2KJ3501- ■ BD23- ■ ■ B2 -Z -	
	33	34	41.56	4200	3.2	11	2KJ3501- ■ BD23- ■ ■ A2 -Z -	
	39	30	36.06	4200	3.7	11	2KJ3501- ■ BD23- ■ ■ X1 -Z -	
	42	27	32.78	4200	4.1	11	2KJ3501- ■ BD23- ■ ■ W1 -Z -	
	49	23	28.11	4200	4.7	11	2KJ3501- ■ BD23- ■ ■ V1 -Z -	
	54	21	25.56	4200	5.2	11	2KJ3501- ■ BD23- ■ ■ U1 -Z -	
	62	18	22.41	4200	6	11	2KJ3501- ■ BD23- ■ ■ T1 -Z -	
	70	16	20.00	4200	6.7	11	2KJ3501- ■ BD23- ■ ■ S1 -Z -	
	78	15	17.82	4200	7.5	11	2KJ3501- ■ BD23- ■ ■ R1 -Z -	
	84	14	16.45	4200	8.1	11	2KJ3501- ■ BD23- ■ ■ Q1 -Z -	
	97	12	14.40	4200	9.3	11	2KJ3501- ■ BD23- ■ ■ P1 -Z -	
	110	10	12.63	4200	11	11	2KJ3501- ■ BD23- ■ ■ N1 -Z -	
	121	9.4	11.46	4200	12	11	2KJ3501- ■ BD23- ■ ■ M1 -Z -	
	129	8.9	10.78	4200	12	11	2KJ3501- ■ BD23- ■ ■ L1 -Z -	
	146	7.8	9.51	4200	14	11	2KJ3501- ■ BD23- ■ ■ K1 -Z -	
	177	6.5	7.84	4110	12	11	2KJ3501- ■ BD23- ■ ■ H1 -Z -	
	188	6.1	7.38	4030	12	11	2KJ3501- ■ BD23- ■ ■ G1 -Z -	
	214	5.4	6.51	3870	14	11	2KJ3501- ■ BD23- ■ ■ F1 -Z -	
	B.19-LE63ZMH4P							
	33	35	42.10	1910	1.4	10	2KJ3500- ■ BD23- ■ ■ A2 -Z -	
	37	31	37.28	1910	1.6	10	2KJ3500- ■ BD23- ■ ■ X1 -Z -	
	43	27	32.39	1910	1.9	10	2KJ3500- ■ BD23- ■ ■ W1 -Z -	
	47	24	29.44	1910	2.1	10	2KJ3500- ■ BD23- ■ ■ V1 -Z -	
	55	21	25.06	1910	2.4	10	2KJ3500- ■ BD23- ■ ■ U1 -Z -	
	61	19	22.78	1910	2.7	10	2KJ3500- ■ BD23- ■ ■ T1 -Z -	
	70	16	19.86	1910	3.1	10	2KJ3500- ■ BD23- ■ ■ S1 -Z -	
	78	15	17.78	1910	3.4	10	2KJ3500- ■ BD23- ■ ■ R1 -Z -	
	88	13	15.79	1910	3.8	10	2KJ3500- ■ BD23- ■ ■ Q1 -Z -	
	95	12	14.57	1910	4.2	10	2KJ3500- ■ BD23- ■ ■ P1 -Z -	
	110	10	12.66	1910	4.8	10	2KJ3500- ■ BD23- ■ ■ N1 -Z -	
	126	9.1	11.00	1910	5.5	10	2KJ3500- ■ BD23- ■ ■ M1 -Z -	
	140	8.2	9.93	1910	6.1	10	2KJ3500- ■ BD23- ■ ■ L1 -Z -	
	149	7.7	9.35	1910	6.5	10	2KJ3500- ■ BD23- ■ ■ K1 -Z -	
	171	6.7	8.15	1910	7	10	2KJ3500- ■ BD23- ■ ■ J1 -Z -	
	177	6.5	7.87	1910	5.9	10	2KJ3500- ■ BD23- ■ ■ H1 -Z -	
	199	5.8	6.99	1910	6.6	10	2KJ3500- ■ BD23- ■ ■ G1 -Z -	
	216	5.3	6.45	1910	7.3	10	2KJ3500- ■ BD23- ■ ■ F1 -Z -	
	248	4.6	5.61	1910	8	10	2KJ3500- ■ BD23- ■ ■ E1 -Z -	
	285	4	4.87	1910	8.7	10	2KJ3500- ■ BD23- ■ ■ D1 -Z -	
	316	3.6	4.40	1910	9.4	10	2KJ3500- ■ BD23- ■ ■ C1 -Z -	
	336	3.4	4.14	1910	9.7	10	2KJ3500- ■ BD23- ■ ■ B1 -Z -	
	385	3	3.61	1910	10	10	2KJ3500- ■ BD23- ■ ■ A1 -Z -	
0.18	K.79-LE71ZMK6P							
	3.6	480	244.25	14400	1.7	36	2KJ3508- ■ CC23- ■ ■ J2 -Z -	P01
	3.9	435	222.05	14400	1.9	36	2KJ3508- ■ CC23- ■ ■ H2 -Z -	P01
	K.69-LE71ZMK6P							
	4.5	385	196.59	11300	1.6	31	2KJ3507- ■ CC23- ■ ■ H2 -Z -	P01

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, C or D** [see page 10/42](#)

SIMOGEAR geared motors

Bevel geared motors

Geared motors up to 55 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
0.18	K.69-LE71ZMK6P							
	4.9	350	178.72	11400	1.7	31	2KJ3507- ■ CC23- ■ ■ G2 -Z	P01
	5.8	295	152.00	11500	2	31	2KJ3507- ■ CC23- ■ ■ F2 -Z	P01
	K.49-LE71ZMK6P							
	4.4	390	200.25	8060	1.1	24	2KJ3505- ■ CC23- ■ ■ J2 -Z	P01
	4.9	350	178.06	8370	1.2	24	2KJ3505- ■ CC23- ■ ■ H2 -Z	P01
	5.6	305	156.34	8540	1.4	24	2KJ3505- ■ CC23- ■ ■ G2 -Z	P01
	6.2	275	142.13	8630	1.5	24	2KJ3505- ■ CC23- ■ ■ F2 -Z	P01
	K.49-LE63ZMK4P							
	6.9	245	200.25	8720	1.7	24	2KJ3505- ■ BE23- ■ ■ J2 -Z	–
	7.8	220	178.06	8790	1.9	24	2KJ3505- ■ BE23- ■ ■ H2 -Z	–
	K.39-LE71ZMK6P							
	6.3	270	139.54	5890	0.8	17	2KJ3504- ■ CC23- ■ ■ H2 -Z	P01
	7.2	235	121.07	6020	0.92	17	2KJ3504- ■ CC23- ■ ■ G2 -Z	P01
	8	215	110.06	6100	1	17	2KJ3504- ■ CC23- ■ ■ F2 -Z	P01
	K.39-LE63ZMK4P							
	8.8	195	157.32	6170	1.1	17	2KJ3504- ■ BE23- ■ ■ J2 -Z	–
	9.9	173	139.54	6250	1.3	17	2KJ3504- ■ BE23- ■ ■ H2 -Z	–
	11	150	121.07	6340	1.5	17	2KJ3504- ■ BE23- ■ ■ G2 -Z	–
	13	137	110.06	6390	1.6	17	2KJ3504- ■ BE23- ■ ■ F2 -Z	–
	15	117	94.39	6460	1.9	17	2KJ3504- ■ BE23- ■ ■ E2 -Z	–
	16	107	85.81	6500	2.1	17	2KJ3504- ■ BE23- ■ ■ D2 -Z	–
	B.39-LE71ZMK6P							
	16	111	56.36	6980	2.3	16	2KJ3502- ■ CC23- ■ ■ A2 -Z	P01
	17	98	50.11	6980	2.1	16	2KJ3502- ■ CC23- ■ ■ X1 -Z	P01
	B.29-LE71ZMK6P							
	19	91	46.85	4200	1.2	11	2KJ3501- ■ CC23- ■ ■ B2 -Z	P01
	21	81	41.56	4200	1.3	11	2KJ3501- ■ CC23- ■ ■ A2 -Z	P01
	24	70	36.06	4200	1.6	11	2KJ3501- ■ CC23- ■ ■ X1 -Z	P01
	27	64	32.78	4200	1.7	11	2KJ3501- ■ CC23- ■ ■ W1 -Z	P01
	B.29-LE63ZMK4P							
	30	58	46.85	4200	1.9	11	2KJ3501- ■ BE23- ■ ■ B2 -Z	–
	33	52	41.56	4200	2.1	11	2KJ3501- ■ BE23- ■ ■ A2 -Z	–
	38	45	36.06	4200	2.5	11	2KJ3501- ■ BE23- ■ ■ X1 -Z	–
	42	41	32.78	4200	2.7	11	2KJ3501- ■ BE23- ■ ■ W1 -Z	–
	49	35	28.11	4200	3.2	11	2KJ3501- ■ BE23- ■ ■ V1 -Z	–
	54	32	25.56	4200	3.5	11	2KJ3501- ■ BE23- ■ ■ U1 -Z	–
	62	28	22.41	4200	4	11	2KJ3501- ■ BE23- ■ ■ T1 -Z	–
	69	25	20.00	4200	4.4	11	2KJ3501- ■ BE23- ■ ■ S1 -Z	–
	78	22	17.82	4200	5	11	2KJ3501- ■ BE23- ■ ■ R1 -Z	–
	84	20	16.45	4200	5.4	11	2KJ3501- ■ BE23- ■ ■ Q1 -Z	–
	96	18	14.40	4200	6.2	11	2KJ3501- ■ BE23- ■ ■ P1 -Z	–
	110	16	12.63	4200	7	11	2KJ3501- ■ BE23- ■ ■ N1 -Z	–
	121	14	11.46	4200	7.7	11	2KJ3501- ■ BE23- ■ ■ M1 -Z	–
	128	13	10.78	4200	8.2	11	2KJ3501- ■ BE23- ■ ■ L1 -Z	–
	146	12	9.51	4200	9.3	11	2KJ3501- ■ BE23- ■ ■ K1 -Z	–
	168	10	8.25	4160	11	11	2KJ3501- ■ BE23- ■ ■ J1 -Z	–
	177	9.7	7.84	4080	7.7	11	2KJ3501- ■ BE23- ■ ■ H1 -Z	–
	188	9.2	7.38	4000	8.2	11	2KJ3501- ■ BE23- ■ ■ G1 -Z	–
	213	8.1	6.51	3840	9.3	11	2KJ3501- ■ BE23- ■ ■ F1 -Z	–
	245	7	5.65	3670	11	11	2KJ3501- ■ BE23- ■ ■ E1 -Z	–
	273	6.3	5.07	3560	12	11	2KJ3501- ■ BE23- ■ ■ 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, C or D	see page 10/42

SIMOGEAR geared motors

Bevel geared motors

Geared motors up to 55 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
0.18	B.29-LE63ZMK4P							
	290	5.9	4.78	3490	12	11	2KJ3501- ■ BE23- ■ ■ C1 -Z	–
	329	5.2	4.21	3350	14	11	2KJ3501- ■ BE23- ■ ■ B1 -Z	–
	B.19-LE71ZMK6P							
	30	58	29.44	1910	0.86	10	2KJ3500- ■ CC23- ■ ■ V1 -Z	P01
	B.19-LE63ZMK4P							
	33	52	42.10	1910	0.96	10	2KJ3500- ■ BE23- ■ ■ A2 -Z	–
	37	46	37.28	1910	1.1	10	2KJ3500- ■ BE23- ■ ■ X1 -Z	–
	43	40	32.39	1910	1.2	10	2KJ3500- ■ BE23- ■ ■ W1 -Z	–
	47	36	29.44	1910	1.4	10	2KJ3500- ■ BE23- ■ ■ V1 -Z	–
	55	31	25.06	1910	1.6	10	2KJ3500- ■ BE23- ■ ■ U1 -Z	–
	61	28	22.78	1910	1.8	10	2KJ3500- ■ BE23- ■ ■ T1 -Z	–
	70	25	19.86	1910	2	10	2KJ3500- ■ BE23- ■ ■ S1 -Z	–
	78	22	17.78	1910	2.3	10	2KJ3500- ■ BE23- ■ ■ R1 -Z	–
	88	20	15.79	1910	2.6	10	2KJ3500- ■ BE23- ■ ■ Q1 -Z	–
	95	18	14.57	1910	2.8	10	2KJ3500- ■ BE23- ■ ■ P1 -Z	–
	109	16	12.66	1910	3.2	10	2KJ3500- ■ BE23- ■ ■ N1 -Z	–
	126	14	11.00	1910	3.7	10	2KJ3500- ■ BE23- ■ ■ M1 -Z	–
	139	12	9.93	1910	4.1	10	2KJ3500- ■ BE23- ■ ■ L1 -Z	–
	148	12	9.35	1910	4.3	10	2KJ3500- ■ BE23- ■ ■ K1 -Z	–
	170	10	8.15	1910	4.6	10	2KJ3500- ■ BE23- ■ ■ J1 -Z	–
	176	9.8	7.87	1910	3.9	10	2KJ3500- ■ BE23- ■ ■ H1 -Z	–
	198	8.7	6.99	1910	4.4	10	2KJ3500- ■ BE23- ■ ■ G1 -Z	–
	215	8	6.45	1910	4.9	10	2KJ3500- ■ BE23- ■ ■ F1 -Z	–
	247	7	5.61	1910	5.3	10	2KJ3500- ■ BE23- ■ ■ E1 -Z	–
	284	6	4.87	1910	5.8	10	2KJ3500- ■ BE23- ■ ■ D1 -Z	–
	315	5.5	4.40	1910	6.2	10	2KJ3500- ■ BE23- ■ ■ C1 -Z	–
	335	5.1	4.14	1910	6.4	10	2KJ3500- ■ BE23- ■ ■ B1 -Z	–
	384	4.5	3.61	1910	6.9	10	2KJ3500- ■ BE23- ■ ■ A1 -Z	–
0.25	K.79-LE71YMS6P							
	3.6	670	244.25	14200	1.2	38	2KJ3508- ■ CE23- ■ ■ J2 -Z	P01
	3.9	605	222.05	14400	1.3	38	2KJ3508- ■ CE23- ■ ■ H2 -Z	P01
	4.6	515	188.85	14400	1.6	38	2KJ3508- ■ CE23- ■ ■ G2 -Z	P01
	5.1	470	171.69	14400	1.7	38	2KJ3508- ■ CE23- ■ ■ F2 -Z	P01
	K.79-LE71ZMK4P							
	5.7	415	244.25	14400	2	36	2KJ3508- ■ CC23- ■ ■ J2 -Z	–
	K.69-LE71YMS6P							
	4.4	535	196.59	11000	1.1	33	2KJ3507- ■ CE23- ■ ■ H2 -Z	P01
	4.9	490	178.72	11100	1.2	33	2KJ3507- ■ CE23- ■ ■ G2 -Z	P01
	5.7	415	152.00	11200	1.4	33	2KJ3507- ■ CE23- ■ ■ F2 -Z	P01
	6.3	375	138.18	11300	1.6	33	2KJ3507- ■ CE23- ■ ■ E2 -Z	P01
	K.69-LE71ZMK4P							
	7.1	335	196.59	11400	1.8	31	2KJ3507- ■ CC23- ■ ■ H2 -Z	–
	7.8	305	178.72	11500	2	31	2KJ3507- ■ CC23- ■ ■ G2 -Z	–
	K.49-LE71YMS6P							
	4.9	485	178.06	7310	0.86	26	2KJ3505- ■ CE23- ■ ■ H2 -Z	P01
	5.6	425	156.34	7780	0.98	26	2KJ3505- ■ CE23- ■ ■ G2 -Z	P01
	6.1	390	142.13	8060	1.1	26	2KJ3505- ■ CE23- ■ ■ F2 -Z	P01
	K.49-LE71ZMK4P							
	7	340	200.25	8440	1.2	24	2KJ3505- ■ CC23- ■ ■ J2 -Z	–
	7.8	305	178.06	8540	1.4	24	2KJ3505- ■ CC23- ■ ■ H2 -Z	–
	8.9	265	156.34	8660	1.6	24	2KJ3505- ■ CC23- ■ ■ G2 -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, C or D** [see page 10/42](#)

SIMOGEAR geared motors

Bevel geared motors

Geared motors up to 55 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
0.25	K.49-LE71ZMK4P							
	9.8	240	142.13	8730	1.7	24	2KJ3505- ■ CC23- ■ ■ F2 -Z -	
	11	205	121.60	8830	2	24	2KJ3505- ■ CC23- ■ ■ E2 -Z -	
	13	189	110.55	8880	2.2	24	2KJ3505- ■ CC23- ■ ■ D2 -Z -	
	K.39-LE71ZMK4P							
	8.9	265	157.32	5910	0.82	17	2KJ3504- ■ CC23- ■ ■ J2 -Z -	
	10	235	139.54	6020	0.92	17	2KJ3504- ■ CC23- ■ ■ H2 -Z -	
	12	205	121.07	6130	1.1	17	2KJ3504- ■ CC23- ■ ■ G2 -Z -	
	13	188	110.06	6200	1.2	17	2KJ3504- ■ CC23- ■ ■ F2 -Z -	
	15	162	94.39	6290	1.4	17	2KJ3504- ■ CC23- ■ ■ E2 -Z -	
	16	147	85.81	6350	1.5	17	2KJ3504- ■ CC23- ■ ■ D2 -Z -	
	19	129	75.24	6420	1.7	17	2KJ3504- ■ CC23- ■ ■ C2 -Z -	
	21	115	67.16	6470	1.9	17	2KJ3504- ■ CC23- ■ ■ B2 -Z -	
	23	102	59.85	6520	2.1	17	2KJ3504- ■ CC23- ■ ■ A2 -Z -	
	25	95	55.25	6530	2.3	17	2KJ3504- ■ CC23- ■ ■ X1 -Z -	
	B.39-LE71YMS6P							
	15	155	56.36	6980	1.6	18	2KJ3502- ■ CE23- ■ ■ A2 -Z P01	
	17	138	50.11	6980	1.5	18	2KJ3502- ■ CE23- ■ ■ X1 -Z P01	
	20	121	44.00	6980	2.1	18	2KJ3502- ■ CE23- ■ ■ W1 -Z P01	
	22	110	40.00	6980	2.1	18	2KJ3502- ■ CE23- ■ ■ V1 -Z P01	
	B.39-LE71ZMK4P							
	28	86	50.11	6980	2.4	16	2KJ3502- ■ CC23- ■ ■ X1 -Z -	
	B.29-LE71YMS6P							
	19	129	46.85	4040	0.86	13	2KJ3501- ■ CE23- ■ ■ B2 -Z P01	
	21	114	41.56	4110	0.96	13	2KJ3501- ■ CE23- ■ ■ A2 -Z P01	
	24	99	36.06	4190	1.1	13	2KJ3501- ■ CE23- ■ ■ X1 -Z P01	
	27	90	32.78	4200	1.2	13	2KJ3501- ■ CE23- ■ ■ W1 -Z P01	
	B.29-LE71ZMK4P							
	30	80	46.85	4200	1.4	11	2KJ3501- ■ CC23- ■ ■ B2 -Z -	
	34	71	41.56	4200	1.5	11	2KJ3501- ■ CC23- ■ ■ A2 -Z -	
	39	62	36.06	4200	1.8	11	2KJ3501- ■ CC23- ■ ■ X1 -Z -	
	43	56	32.78	4200	2	11	2KJ3501- ■ CC23- ■ ■ W1 -Z -	
	50	48	28.11	4200	2.3	11	2KJ3501- ■ CC23- ■ ■ V1 -Z -	
	55	44	25.56	4200	2.5	11	2KJ3501- ■ CC23- ■ ■ U1 -Z -	
	62	38	22.41	4200	2.9	11	2KJ3501- ■ CC23- ■ ■ T1 -Z -	
	70	34	20.00	4200	3.2	11	2KJ3501- ■ CC23- ■ ■ S1 -Z -	
	78	30	17.82	4200	3.6	11	2KJ3501- ■ CC23- ■ ■ R1 -Z -	
	85	28	16.45	4200	3.9	11	2KJ3501- ■ CC23- ■ ■ Q1 -Z -	
	97	25	14.40	4200	4.5	11	2KJ3501- ■ CC23- ■ ■ P1 -Z -	
	110	22	12.63	4200	5.1	11	2KJ3501- ■ CC23- ■ ■ N1 -Z -	
	122	20	11.46	4200	5.6	11	2KJ3501- ■ CC23- ■ ■ M1 -Z -	
	129	18	10.78	4200	6	11	2KJ3501- ■ CC23- ■ ■ L1 -Z -	
	147	16	9.51	4200	6.8	11	2KJ3501- ■ CC23- ■ ■ K1 -Z -	
	169	14	8.25	4110	7.8	11	2KJ3501- ■ CC23- ■ ■ J1 -Z -	
	178	13	7.84	4040	5.6	11	2KJ3501- ■ CC23- ■ ■ H1 -Z -	
	189	13	7.38	3950	5.9	11	2KJ3501- ■ CC23- ■ ■ G1 -Z -	
	214	11	6.51	3810	6.7	11	2KJ3501- ■ CC23- ■ ■ F1 -Z -	
	247	9.7	5.65	3640	7.8	11	2KJ3501- ■ CC23- ■ ■ E1 -Z -	
	275	8.7	5.07	3530	8.5	11	2KJ3501- ■ CC23- ■ ■ D1 -Z -	
	292	8.2	4.78	3460	9	11	2KJ3501- ■ CC23- ■ ■ C1 -Z -	
	331	7.2	4.21	3320	10	11	2KJ3501- ■ CC23- ■ ■ B1 -Z -	
	382	6.2	3.65	3180	12	11	2KJ3501- ■ CC23- ■ ■ 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, C or D	see page 10/42

SIMOGEAR geared motors

Bevel geared motors

Geared motors up to 55 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
0.25	B.19-LE71ZMK4P							
	43	55	32.39	1910	0.9	10	2KJ3500- ■ CC23- ■ ■ W1 -Z	–
	47	50	29.44	1910	0.99	10	2KJ3500- ■ CC23- ■ ■ V1 -Z	–
	56	43	25.06	1910	1.2	10	2KJ3500- ■ CC23- ■ ■ U1 -Z	–
	61	39	22.78	1910	1.3	10	2KJ3500- ■ CC23- ■ ■ T1 -Z	–
	70	34	19.86	1910	1.5	10	2KJ3500- ■ CC23- ■ ■ S1 -Z	–
	78	30	17.78	1910	1.6	10	2KJ3500- ■ CC23- ■ ■ R1 -Z	–
	88	27	15.79	1910	1.9	10	2KJ3500- ■ CC23- ■ ■ Q1 -Z	–
	96	25	14.57	1910	2	10	2KJ3500- ■ CC23- ■ ■ P1 -Z	–
	110	22	12.66	1910	2.3	10	2KJ3500- ■ CC23- ■ ■ N1 -Z	–
	127	19	11.00	1910	2.7	10	2KJ3500- ■ CC23- ■ ■ M1 -Z	–
	140	17	9.93	1910	2.9	10	2KJ3500- ■ CC23- ■ ■ L1 -Z	–
	149	16	9.35	1910	3.1	10	2KJ3500- ■ CC23- ■ ■ K1 -Z	–
	171	14	8.15	1910	3.4	10	2KJ3500- ■ CC23- ■ ■ J1 -Z	–
	177	14	7.87	1910	2.8	10	2KJ3500- ■ CC23- ■ ■ H1 -Z	–
	200	12	6.99	1910	3.2	10	2KJ3500- ■ CC23- ■ ■ G1 -Z	–
	216	11	6.45	1910	3.5	10	2KJ3500- ■ CC23- ■ ■ F1 -Z	–
	249	9.6	5.61	1910	3.9	10	2KJ3500- ■ CC23- ■ ■ E1 -Z	–
	286	8.3	4.87	1910	4.2	10	2KJ3500- ■ CC23- ■ ■ D1 -Z	–
	317	7.5	4.40	1910	4.5	10	2KJ3500- ■ CC23- ■ ■ C1 -Z	–
	337	7.1	4.14	1910	4.7	10	2KJ3500- ■ CC23- ■ ■ B1 -Z	–
	386	6.2	3.61	1910	5	10	2KJ3500- ■ CC23- ■ ■ A1 -Z	–
0.37	K.89-LE80MK6P							
	4	885	231.80	18100	1.8	62	2KJ3510- ■ DE23- ■ ■ K2 -Z	P01
	4.4	805	210.72	18100	2	62	2KJ3510- ■ DE23- ■ ■ J2 -Z	P01
	K.79-LE80MK6P							
	3.8	930	244.25	13700	0.88	41	2KJ3508- ■ DE23- ■ ■ J2 -Z	P01
	4.2	845	222.05	13900	0.97	41	2KJ3508- ■ DE23- ■ ■ H2 -Z	P01
	4.9	720	188.85	14100	1.1	41	2KJ3508- ■ DE23- ■ ■ G2 -Z	P01
	5.4	655	171.69	14300	1.3	41	2KJ3508- ■ DE23- ■ ■ F2 -Z	P01
	K.79-LE71YMS4P							
	5.6	625	244.25	14300	1.3	38	2KJ3508- ■ CE23- ■ ■ J2 -Z	–
	6.2	565	222.05	14400	1.4	38	2KJ3508- ■ CE23- ■ ■ H2 -Z	–
	7.3	480	188.85	14400	1.7	38	2KJ3508- ■ CE23- ■ ■ G2 -Z	–
	8	440	171.69	14400	1.9	38	2KJ3508- ■ CE23- ■ ■ F2 -Z	–
	9	390	153.18	14400	2.1	38	2KJ3508- ■ CE23- ■ ■ E2 -Z	–
	K.69-LE80MK6P							
	4.7	750	196.59	9880	0.8	36	2KJ3507- ■ DE23- ■ ■ H2 -Z	P01
	5.2	680	178.72	10300	0.88	36	2KJ3507- ■ DE23- ■ ■ G2 -Z	P01
	6.1	580	152.00	10900	1	36	2KJ3507- ■ DE23- ■ ■ F2 -Z	P01
	6.7	525	138.18	11000	1.1	36	2KJ3507- ■ DE23- ■ ■ E2 -Z	P01
	K.69-LE71YMS4P							
	7	500	196.59	11000	1.2	33	2KJ3507- ■ CE23- ■ ■ H2 -Z	–
	7.7	455	178.72	11200	1.3	33	2KJ3507- ■ CE23- ■ ■ G2 -Z	–
	9.1	385	152.00	11300	1.5	33	2KJ3507- ■ CE23- ■ ■ F2 -Z	–
	10	350	138.18	11400	1.7	33	2KJ3507- ■ CE23- ■ ■ E2 -Z	–
	11	315	123.29	11500	1.9	33	2KJ3507- ■ CE23- ■ ■ D2 -Z	–
	12	280	110.55	11600	2.1	33	2KJ3507- ■ CE23- ■ ■ C2 -Z	–
	K.49-LE71YMS4P							
	6.9	510	200.25	7120	0.82	26	2KJ3505- ■ CE23- ■ ■ J2 -Z	–
	7.8	455	178.06	7550	0.92	26	2KJ3505- ■ CE23- ■ ■ H2 -Z	–
	8.8	400	156.34	7980	1	26	2KJ3505- ■ CE23- ■ ■ G2 -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, C or D** [see page 10/42](#)

SIMOGEAR geared motors

Bevel geared motors

Geared motors up to 55 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
0.37	K.49-LE71YMS4P							
	9.7	360	142.13	8290	1.2	26	2KJ3505- ■ CE23- ■ ■ F2 -Z -	
	11	310	121.60	8530	1.3	26	2KJ3505- ■ CE23- ■ ■ E2 -Z -	
	12	280	110.55	8610	1.5	26	2KJ3505- ■ CE23- ■ ■ D2 -Z -	
	14	250	97.71	8700	1.7	26	2KJ3505- ■ CE23- ■ ■ C2 -Z -	
	16	225	88.83	8770	1.8	26	2KJ3505- ■ CE23- ■ ■ B2 -Z -	
	18	199	77.81	8810	2.1	26	2KJ3505- ■ CE23- ■ ■ A2 -Z -	
	19	184	71.82	8650	2.3	26	2KJ3505- ■ CE23- ■ ■ X1 -Z -	
	K.39-LE71YMS4P							
	15	240	94.39	6000	0.91	18	2KJ3504- ■ CE23- ■ ■ E2 -Z -	
	16	220	85.81	6080	1	18	2KJ3504- ■ CE23- ■ ■ D2 -Z -	
	18	193	75.24	6180	1.1	18	2KJ3504- ■ CE23- ■ ■ C2 -Z -	
	21	172	67.16	6260	1.3	18	2KJ3504- ■ CE23- ■ ■ B2 -Z -	
	23	153	59.85	6330	1.4	18	2KJ3504- ■ CE23- ■ ■ A2 -Z -	
	25	141	55.25	6370	1.6	18	2KJ3504- ■ CE23- ■ ■ X1 -Z -	
	29	124	48.37	6430	1.8	18	2KJ3504- ■ CE23- ■ ■ W1 -Z -	
	33	109	42.41	6490	2	18	2KJ3504- ■ CE23- ■ ■ V1 -Z -	
	36	98	38.48	6530	2.2	18	2KJ3504- ■ CE23- ■ ■ U1 -Z -	
	38	93	36.21	6530	2.4	18	2KJ3504- ■ CE23- ■ ■ T1 -Z -	
	43	82	31.92	6450	2.7	18	2KJ3504- ■ CE23- ■ ■ S1 -Z -	
	B.49-LE80MK6P							
	16	225	59.28	11500	2	27	2KJ3503- ■ DE23- ■ ■ C2 -Z -	P01
	17	205	53.89	11500	2.2	27	2KJ3503- ■ DE23- ■ ■ B2 -Z -	P01
	B.39-LE80MK6P							
	18	191	50.11	6980	1.1	21	2KJ3502- ■ DE23- ■ ■ X1 -Z -	P01
	21	168	44.00	6980	1.5	21	2KJ3502- ■ DE23- ■ ■ W1 -Z -	P01
	23	153	40.00	6980	1.5	21	2KJ3502- ■ DE23- ■ ■ V1 -Z -	P01
	B.39-LE71YMS4P							
	24	144	56.36	6980	1.7	18	2KJ3502- ■ CE23- ■ ■ A2 -Z -	
	28	128	50.11	6980	1.6	18	2KJ3502- ■ CE23- ■ ■ X1 -Z -	
	31	113	44.00	6980	2.2	18	2KJ3502- ■ CE23- ■ ■ W1 -Z -	
	34	102	40.00	6980	2.2	18	2KJ3502- ■ CE23- ■ ■ V1 -Z -	
	B.29-LE80MK6P							
	26	138	36.06	3990	0.8	16	2KJ3501- ■ DE23- ■ ■ X1 -Z -	P01
	28	125	32.78	4060	0.88	16	2KJ3501- ■ DE23- ■ ■ W1 -Z -	P01
	B.29-LE71YMS4P							
	29	120	46.85	4080	0.92	13	2KJ3501- ■ CE23- ■ ■ B2 -Z -	
	33	106	41.56	4160	1	13	2KJ3501- ■ CE23- ■ ■ A2 -Z -	
	38	92	36.06	4200	1.2	13	2KJ3501- ■ CE23- ■ ■ X1 -Z -	
	42	84	32.78	4200	1.3	13	2KJ3501- ■ CE23- ■ ■ W1 -Z -	
	49	72	28.11	4200	1.5	13	2KJ3501- ■ CE23- ■ ■ V1 -Z -	
	54	65	25.56	4200	1.7	13	2KJ3501- ■ CE23- ■ ■ U1 -Z -	
	62	57	22.41	4200	1.9	13	2KJ3501- ■ CE23- ■ ■ T1 -Z -	
	69	51	20.00	4200	2.1	13	2KJ3501- ■ CE23- ■ ■ S1 -Z -	
	77	46	17.82	4200	2.4	13	2KJ3501- ■ CE23- ■ ■ R1 -Z -	
	84	42	16.45	4200	2.6	13	2KJ3501- ■ CE23- ■ ■ Q1 -Z -	
	96	37	14.40	4200	3	13	2KJ3501- ■ CE23- ■ ■ P1 -Z -	
	109	32	12.63	4200	3.4	13	2KJ3501- ■ CE23- ■ ■ N1 -Z -	
	120	29	11.46	4200	3.7	13	2KJ3501- ■ CE23- ■ ■ M1 -Z -	
	128	28	10.78	4200	4	13	2KJ3501- ■ CE23- ■ ■ L1 -Z -	
	145	24	9.51	4200	4.5	13	2KJ3501- ■ CE23- ■ ■ K1 -Z -	
	167	21	8.25	4060	5.2	13	2KJ3501- ■ CE23- ■ ■ J1 -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, C or D	see page 10/42

SIMOGEAR geared motors

Bevel geared motors

Geared motors up to 55 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
0.37	B.29-LE71YMS4P							
	176	20	7.84	3980	3.7	13	2KJ3501- ■ CE23- ■ ■ H1 -Z	–
	187	19	7.38	3910	4	13	2KJ3501- ■ CE23- ■ ■ G1 -Z	–
	212	17	6.51	3760	4.5	13	2KJ3501- ■ CE23- ■ ■ F1 -Z	–
	244	14	5.65	3610	5.2	13	2KJ3501- ■ CE23- ■ ■ E1 -Z	–
	272	13	5.07	3500	5.7	13	2KJ3501- ■ CE23- ■ ■ D1 -Z	–
	289	12	4.78	3440	6	13	2KJ3501- ■ CE23- ■ ■ C1 -Z	–
	328	11	4.21	3300	6.9	13	2KJ3501- ■ CE23- ■ ■ B1 -Z	–
	378	9.3	3.65	3160	7.8	13	2KJ3501- ■ CE23- ■ ■ A1 -Z	–
	B.19-LE71YMS4P							
	61	58	22.78	1910	0.86	11	2KJ3500- ■ CE23- ■ ■ T1 -Z	–
	69	51	19.86	1910	0.98	11	2KJ3500- ■ CE23- ■ ■ S1 -Z	–
	78	46	17.78	1910	1.1	11	2KJ3500- ■ CE23- ■ ■ R1 -Z	–
	87	40	15.79	1910	1.2	11	2KJ3500- ■ CE23- ■ ■ Q1 -Z	–
	95	37	14.57	1910	1.3	11	2KJ3500- ■ CE23- ■ ■ P1 -Z	–
	109	32	12.66	1910	1.5	11	2KJ3500- ■ CE23- ■ ■ N1 -Z	–
	125	28	11.00	1910	1.8	11	2KJ3500- ■ CE23- ■ ■ M1 -Z	–
	139	25	9.93	1910	2	11	2KJ3500- ■ CE23- ■ ■ L1 -Z	–
	148	24	9.35	1910	2.1	11	2KJ3500- ■ CE23- ■ ■ K1 -Z	–
	169	21	8.15	1910	2.3	11	2KJ3500- ■ CE23- ■ ■ J1 -Z	–
	175	20	7.87	1910	1.9	11	2KJ3500- ■ CE23- ■ ■ H1 -Z	–
	197	18	6.99	1910	2.1	11	2KJ3500- ■ CE23- ■ ■ G1 -Z	–
	214	16	6.45	1910	2.4	11	2KJ3500- ■ CE23- ■ ■ F1 -Z	–
	246	14	5.61	1910	2.6	11	2KJ3500- ■ CE23- ■ ■ E1 -Z	–
	283	12	4.87	1910	2.8	11	2KJ3500- ■ CE23- ■ ■ D1 -Z	–
	314	11	4.40	1910	3	11	2KJ3500- ■ CE23- ■ ■ C1 -Z	–
	333	11	4.14	1910	3.1	11	2KJ3500- ■ CE23- ■ ■ B1 -Z	–
	382	9.2	3.61	1910	3.4	11	2KJ3500- ■ CE23- ■ ■ A1 -Z	–
0.55	K.89-LE80ZMQ6P							
	4	1300	231.80	18100	1.2	62	2KJ3510- ■ DF23- ■ ■ K2 -Z	P01
	4.4	1180	210.72	18100	1.4	62	2KJ3510- ■ DF23- ■ ■ J2 -Z	P01
	4.9	1060	189.01	18100	1.5	62	2KJ3510- ■ DF23- ■ ■ H2 -Z	P01
	5.5	955	169.94	18100	1.7	62	2KJ3510- ■ DF23- ■ ■ G2 -Z	P01
	K.89-LE80MH4P							
	6.2	845	231.80	18100	1.9	63	2KJ3510- ■ DC23- ■ ■ K2 -Z	–
	6.8	765	210.72	18100	2.1	63	2KJ3510- ■ DC23- ■ ■ J2 -Z	–
	K.79-LE80ZMQ6P							
	5.4	960	171.69	13700	0.85	41	2KJ3508- ■ DF23- ■ ■ F2 -Z	P01
	K.79-LE80MH4P							
	5.9	890	244.25	13800	0.92	42	2KJ3508- ■ DC23- ■ ■ J2 -Z	–
	6.5	810	222.05	13900	1	42	2KJ3508- ■ DC23- ■ ■ H2 -Z	–
	7.6	685	188.85	14200	1.2	42	2KJ3508- ■ DC23- ■ ■ G2 -Z	–
	8.4	625	171.69	14300	1.3	42	2KJ3508- ■ DC23- ■ ■ F2 -Z	–
	9.4	555	153.18	14400	1.5	42	2KJ3508- ■ DC23- ■ ■ E2 -Z	–
	10	500	137.35	14400	1.6	42	2KJ3508- ■ DC23- ■ ■ D2 -Z	–
	12	450	123.80	14400	1.8	42	2KJ3508- ■ DC23- ■ ■ C2 -Z	–
	13	415	114.28	14400	2	42	2KJ3508- ■ DC23- ■ ■ B2 -Z	–
	14	380	104.32	14400	2.2	42	2KJ3508- ■ DC23- ■ ■ A2 -Z	–
	K.69-LE80MH4P							
	7.3	715	196.59	10100	0.84	37	2KJ3507- ■ DC23- ■ ■ H2 -Z	–
	8.1	650	178.72	10500	0.92	37	2KJ3507- ■ DC23- ■ ■ G2 -Z	–
	9.5	550	152.00	10900	1.1	37	2KJ3507- ■ 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, C or D** [see page 10/42](#)

SIMOGEAR geared motors

Bevel geared motors

Geared motors up to 55 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
0.55	K.69-LE80MH4P							
	10	500	138.18	11000	1.2	37	2KJ3507- ■ DC23- ■ ■ E2 -Z -	
	12	450	123.29	11200	1.3	37	2KJ3507- ■ DC23- ■ ■ D2 -Z -	
	13	400	110.55	11300	1.5	37	2KJ3507- ■ DC23- ■ ■ C2 -Z -	
	14	360	99.64	11400	1.7	37	2KJ3507- ■ DC23- ■ ■ B2 -Z -	
	16	335	91.98	11400	1.8	37	2KJ3507- ■ DC23- ■ ■ A2 -Z -	
	17	305	83.96	11500	2	37	2KJ3507- ■ DC23- ■ ■ X1 -Z -	
	21	250	69.67	11600	2.4	37	2KJ3507- ■ DC23- ■ ■ W1 -Z -	
	K.49-LE80MH4P							
	10	515	142.13	7080	0.81	30	2KJ3505- ■ DC23- ■ ■ F2 -Z -	
	12	440	121.60	7670	0.95	30	2KJ3505- ■ DC23- ■ ■ E2 -Z -	
	13	400	110.55	7980	1	30	2KJ3505- ■ DC23- ■ ■ D2 -Z -	
	15	355	97.71	8250	1.2	30	2KJ3505- ■ DC23- ■ ■ C2 -Z -	
	16	320	88.83	8180	1.3	30	2KJ3505- ■ DC23- ■ ■ B2 -Z -	
	19	280	77.81	8030	1.5	30	2KJ3505- ■ DC23- ■ ■ A2 -Z -	
	20	260	71.82	7910	1.6	30	2KJ3505- ■ DC23- ■ ■ X1 -Z -	
	23	230	63.59	7750	1.8	30	2KJ3505- ■ DC23- ■ ■ W1 -Z -	
	27	193	52.93	7470	2.2	30	2KJ3505- ■ DC23- ■ ■ V1 -Z -	
	29	182	49.82	7380	2.3	30	2KJ3505- ■ DC23- ■ ■ U1 -Z -	
	K.39-LE80MH4P							
	19	270	75.24	5890	0.8	23	2KJ3504- ■ DC23- ■ ■ C2 -Z -	
	21	245	67.16	5980	0.9	23	2KJ3504- ■ DC23- ■ ■ B2 -Z -	
	24	215	59.85	6100	1	23	2KJ3504- ■ DC23- ■ ■ A2 -Z -	
	26	200	55.25	6150	1.1	23	2KJ3504- ■ DC23- ■ ■ X1 -Z -	
	30	176	48.37	6240	1.2	23	2KJ3504- ■ DC23- ■ ■ W1 -Z -	
	34	155	42.41	6320	1.4	23	2KJ3504- ■ DC23- ■ ■ V1 -Z -	
	37	140	38.48	6280	1.6	23	2KJ3504- ■ DC23- ■ ■ U1 -Z -	
	40	132	36.21	6210	1.7	23	2KJ3504- ■ DC23- ■ ■ T1 -Z -	
	45	116	31.92	6050	1.9	23	2KJ3504- ■ DC23- ■ ■ S1 -Z -	
	52	101	27.70	5850	2.2	23	2KJ3504- ■ DC23- ■ ■ R1 -Z -	
	54	98	26.89	5810	2.2	23	2KJ3504- ■ DC23- ■ ■ Q1 -Z -	
	60	87	23.97	5660	2.5	23	2KJ3504- ■ DC23- ■ ■ P1 -Z -	
	65	81	22.12	5550	2.7	23	2KJ3504- ■ DC23- ■ ■ N1 -Z -	
	74	71	19.37	5360	3.1	23	2KJ3504- ■ DC23- ■ ■ M1 -Z -	
	B.49-LE80ZMQ6P							
	16	330	59.28	11400	1.4	27	2KJ3503- ■ DF23- ■ ■ C2 -Z -	P01
	17	300	53.89	11500	1.5	27	2KJ3503- ■ DF23- ■ ■ B2 -Z -	P01
	20	255	45.83	11500	1.7	27	2KJ3503- ■ DF23- ■ ■ A2 -Z -	P01
	22	230	41.67	11300	1.9	27	2KJ3503- ■ DF23- ■ ■ X1 -Z -	P01
	B.49-LE80MH4P							
	24	215	59.28	11100	2.1	28	2KJ3503- ■ DC23- ■ ■ C2 -Z -	
	27	197	53.89	10800	2.3	28	2KJ3503- ■ DC23- ■ ■ B2 -Z -	
	B.39-LE80ZMQ6P							
	21	245	44.00	6980	1	21	2KJ3502- ■ DF23- ■ ■ W1 -Z -	P01
	23	225	40.00	6980	1	21	2KJ3502- ■ DF23- ■ ■ V1 -Z -	P01
	B.39-LE80MH4P							
	29	183	50.11	6980	1.1	22	2KJ3502- ■ DC23- ■ ■ X1 -Z -	
	33	160	44.00	6980	1.6	22	2KJ3502- ■ DC23- ■ ■ W1 -Z -	
	36	146	40.00	6980	1.6	22	2KJ3502- ■ DC23- ■ ■ V1 -Z -	
	42	125	34.22	6980	2	22	2KJ3502- ■ DC23- ■ ■ U1 -Z -	
	46	113	31.11	6980	2.2	22	2KJ3502- ■ DC23- ■ ■ T1 -Z -	
	52	100	27.50	6980	2.5	22	2KJ3502- ■ DC23- ■ ■ 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, C or D	see page 10/42

SIMOGEAR geared motors

Bevel geared motors

Geared motors up to 55 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
0.55	B.39-LE80MH4P							
	58	91	25.00	6980	2.7	22	2KJ3502- ■ DC23- ■ ■ R1 -Z	–
	66	80	21.90	6980	3.1	22	2KJ3502- ■ DC23- ■ ■ Q1 -Z	–
	B.29-LE80MH4P							
	40	132	36.06	4020	0.84	17	2KJ3501- ■ DC23- ■ ■ X1 -Z	–
	44	120	32.78	4080	0.92	17	2KJ3501- ■ DC23- ■ ■ W1 -Z	–
	51	103	28.11	4170	1.1	17	2KJ3501- ■ DC23- ■ ■ V1 -Z	–
	56	93	25.56	4200	1.2	17	2KJ3501- ■ DC23- ■ ■ U1 -Z	–
	64	82	22.41	4200	1.3	17	2KJ3501- ■ DC23- ■ ■ T1 -Z	–
	72	73	20.00	4200	1.5	17	2KJ3501- ■ DC23- ■ ■ S1 -Z	–
	81	65	17.82	4200	1.7	17	2KJ3501- ■ DC23- ■ ■ R1 -Z	–
	88	60	16.45	4200	1.8	17	2KJ3501- ■ DC23- ■ ■ Q1 -Z	–
	100	52	14.40	4200	2.1	17	2KJ3501- ■ DC23- ■ ■ P1 -Z	–
	114	46	12.63	4200	2.4	17	2KJ3501- ■ DC23- ■ ■ N1 -Z	–
	126	42	11.46	4200	2.6	17	2KJ3501- ■ DC23- ■ ■ M1 -Z	–
	134	39	10.78	4200	2.8	17	2KJ3501- ■ DC23- ■ ■ L1 -Z	–
	151	35	9.51	4070	3.2	17	2KJ3501- ■ DC23- ■ ■ K1 -Z	–
	175	30	8.25	3920	3.7	17	2KJ3501- ■ DC23- ■ ■ J1 -Z	–
	184	29	7.84	3830	2.6	17	2KJ3501- ■ DC23- ■ ■ H1 -Z	–
	195	27	7.38	3770	2.8	17	2KJ3501- ■ DC23- ■ ■ G1 -Z	–
	221	24	6.51	3630	3.2	17	2KJ3501- ■ DC23- ■ ■ F1 -Z	–
	255	21	5.65	3480	3.6	17	2KJ3501- ■ DC23- ■ ■ E1 -Z	–
	284	18	5.07	3410	4	17	2KJ3501- ■ DC23- ■ ■ D1 -Z	–
	301	17	4.78	3340	4.2	17	2KJ3501- ■ DC23- ■ ■ C1 -Z	–
	342	15	4.21	3220	4.8	17	2KJ3501- ■ DC23- ■ ■ B1 -Z	–
	B.19-LE80MH4P							
	91	58	15.79	1910	0.87	15	2KJ3500- ■ DC23- ■ ■ Q1 -Z	–
	99	53	14.57	1910	0.94	15	2KJ3500- ■ DC23- ■ ■ P1 -Z	–
	114	46	12.66	1910	1.1	15	2KJ3500- ■ DC23- ■ ■ N1 -Z	–
	131	40	11.00	1910	1.2	15	2KJ3500- ■ DC23- ■ ■ M1 -Z	–
	145	36	9.93	1910	1.4	15	2KJ3500- ■ DC23- ■ ■ L1 -Z	–
	154	34	9.35	1910	1.5	15	2KJ3500- ■ DC23- ■ ■ K1 -Z	–
	177	30	8.15	1910	1.6	15	2KJ3500- ■ DC23- ■ ■ J1 -Z	–
	183	29	7.87	1910	1.3	15	2KJ3500- ■ DC23- ■ ■ H1 -Z	–
	206	26	6.99	1910	1.5	15	2KJ3500- ■ DC23- ■ ■ G1 -Z	–
	223	24	6.45	1910	1.7	15	2KJ3500- ■ DC23- ■ ■ F1 -Z	–
	257	20	5.61	1910	1.8	15	2KJ3500- ■ DC23- ■ ■ E1 -Z	–
	296	18	4.87	1910	2	15	2KJ3500- ■ DC23- ■ ■ D1 -Z	–
	327	16	4.40	1910	2.1	15	2KJ3500- ■ DC23- ■ ■ C1 -Z	–
	348	15	4.14	1910	2.2	15	2KJ3500- ■ DC23- ■ ■ B1 -Z	–
	399	13	3.61	1910	2.4	15	2KJ3500- ■ DC23- ■ ■ A1 -Z	–
0.75	K.109-LE90SQ6P							
	4.4	1640	216.65	24500	1.8	101	2KJ3511- ■ EC23- ■ ■ H2 -Z	P01
	4.8	1480	195.60	24500	2	101	2KJ3511- ■ EC23- ■ ■ G2 -Z	P01
	K.89-LE90SQ6P							
	4.1	1750	231.80	18100	0.91	64	2KJ3510- ■ EC23- ■ ■ K2 -Z	P01
	4.5	1590	210.72	18100	1	64	2KJ3510- ■ EC23- ■ ■ J2 -Z	P01
	5	1430	189.01	18100	1.1	64	2KJ3510- ■ EC23- ■ ■ H2 -Z	P01
	5.6	1280	169.94	18100	1.2	64	2KJ3510- ■ EC23- ■ ■ G2 -Z	P01
	K.89-LE80ZMQ4P							
	6.3	1140	231.80	18100	1.4	62	2KJ3510- ■ DF23- ■ ■ K2 -Z	–
	6.9	1040	210.72	18100	1.5	62	2KJ3510- ■ DF23- ■ ■ J2 -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, C or D** [see page 10/42](#)

SIMOGEAR geared motors

Bevel geared motors

Geared motors up to 55 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
0.75	K.89-LE80ZMQ4P							
	7.7	930	189.01	18100	1.7	62	2KJ3510- ■ DF23- ■ ■ H2 -Z -	
	8.5	835	169.94	18100	1.9	62	2KJ3510- ■ DF23- ■ ■ G2 -Z -	
	9.4	755	153.70	18100	2.1	62	2KJ3510- ■ DF23- ■ ■ F2 -Z -	
	K.79-LE80ZMQ4P							
	7.7	930	188.85	13700	0.88	41	2KJ3508- ■ DF23- ■ ■ G2 -Z -	
	8.4	845	171.69	13900	0.97	41	2KJ3508- ■ DF23- ■ ■ F2 -Z -	
	9.5	755	153.18	14100	1.1	41	2KJ3508- ■ DF23- ■ ■ E2 -Z -	
	11	675	137.35	14200	1.2	41	2KJ3508- ■ DF23- ■ ■ D2 -Z -	
	12	610	123.80	14300	1.3	41	2KJ3508- ■ DF23- ■ ■ C2 -Z -	
	13	565	114.28	14400	1.5	41	2KJ3508- ■ DF23- ■ ■ B2 -Z -	
	14	515	104.32	14400	1.6	41	2KJ3508- ■ DF23- ■ ■ A2 -Z -	
	17	425	86.56	14400	1.9	41	2KJ3508- ■ DF23- ■ ■ X1 -Z -	
	18	400	81.47	14400	2	41	2KJ3508- ■ DF23- ■ ■ W1 -Z -	
	19	380	76.94	14400	2.2	41	2KJ3508- ■ DF23- ■ ■ V1 -Z -	
	K.69-LE80ZMQ4P							
	9.5	750	152.00	9880	0.8	36	2KJ3507- ■ DF23- ■ ■ F2 -Z -	
	10	680	138.18	10300	0.88	36	2KJ3507- ■ DF23- ■ ■ E2 -Z -	
	12	605	123.29	10800	0.99	36	2KJ3507- ■ DF23- ■ ■ D2 -Z -	
	13	545	110.55	10900	1.1	36	2KJ3507- ■ DF23- ■ ■ C2 -Z -	
	15	490	99.64	11100	1.2	36	2KJ3507- ■ DF23- ■ ■ B2 -Z -	
	16	450	91.98	11200	1.3	36	2KJ3507- ■ DF23- ■ ■ A2 -Z -	
	17	415	83.96	11200	1.4	36	2KJ3507- ■ DF23- ■ ■ X1 -Z -	
	21	340	69.67	11100	1.7	36	2KJ3507- ■ DF23- ■ ■ W1 -Z -	
	22	320	65.57	11000	1.9	36	2KJ3507- ■ DF23- ■ ■ V1 -Z -	
	23	305	61.93	10800	2	36	2KJ3507- ■ DF23- ■ ■ U1 -Z -	
	28	260	52.69	10500	2.3	36	2KJ3507- ■ DF23- ■ ■ T1 -Z -	
	K.49-LE80ZMQ4P							
	15	480	97.71	7250	0.87	29	2KJ3505- ■ DF23- ■ ■ C2 -Z -	
	16	435	88.83	7260	0.96	29	2KJ3505- ■ DF23- ■ ■ B2 -Z -	
	19	380	77.81	7230	1.1	29	2KJ3505- ■ DF23- ■ ■ A2 -Z -	
	20	355	71.82	7150	1.2	29	2KJ3505- ■ DF23- ■ ■ X1 -Z -	
	23	310	63.59	7110	1.3	29	2KJ3505- ■ DF23- ■ ■ W1 -Z -	
	27	260	52.93	6930	1.6	29	2KJ3505- ■ DF23- ■ ■ V1 -Z -	
	29	245	49.82	6870	1.7	29	2KJ3505- ■ DF23- ■ ■ U1 -Z -	
	32	220	44.63	6750	1.9	29	2KJ3505- ■ DF23- ■ ■ T1 -Z -	
	38	188	38.00	6560	2.2	29	2KJ3505- ■ DF23- ■ ■ S1 -Z -	
	45	161	32.57	6360	2.6	29	2KJ3505- ■ DF23- ■ ■ R1 -Z -	
	K.39-LE80ZMQ4P							
	26	270	55.25	5890	0.81	22	2KJ3504- ■ DF23- ■ ■ X1 -Z -	
	30	235	48.37	6000	0.92	22	2KJ3504- ■ DF23- ■ ■ W1 -Z -	
	34	205	42.41	5930	1.1	22	2KJ3504- ■ DF23- ■ ■ V1 -Z -	
	38	190	38.48	5810	1.2	22	2KJ3504- ■ DF23- ■ ■ U1 -Z -	
	40	179	36.21	5760	1.2	22	2KJ3504- ■ DF23- ■ ■ T1 -Z -	
	45	158	31.92	5650	1.4	22	2KJ3504- ■ DF23- ■ ■ S1 -Z -	
	52	137	27.70	5510	1.6	22	2KJ3504- ■ DF23- ■ ■ R1 -Z -	
	54	133	26.89	5480	1.7	22	2KJ3504- ■ DF23- ■ ■ Q1 -Z -	
	60	118	23.97	5370	1.9	22	2KJ3504- ■ DF23- ■ ■ P1 -Z -	
	66	109	22.12	5280	2	22	2KJ3504- ■ DF23- ■ ■ N1 -Z -	
	75	96	19.37	5120	2.3	22	2KJ3504- ■ DF23- ■ ■ M1 -Z -	
	85	84	16.98	4970	2.6	22	2KJ3504- ■ DF23- ■ ■ L1 -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, C or D	see page 10/42

SIMOGEAR geared motors

Bevel geared motors

Geared motors up to 55 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
0.75	K.39-LE80ZMQ4P							
	94	76	15.41	4860	2.9	22	2KJ3504- ■ DF23- ■ ■ K1 -Z -	
	100	72	14.50	4790	3.1	22	2KJ3504- ■ DF23- ■ ■ J1 -Z -	
	113	63	12.78	4650	3.5	22	2KJ3504- ■ DF23- ■ ■ H1 -Z -	
	144	50	10.04	4290	3.7	22	2KJ3504- ■ DF23- ■ ■ F1 -Z -	
	B.49-LE90SQ6P							
	16	445	59.28	11200	1	28	2KJ3503- ■ EC23- ■ ■ C2 -Z P01	
	18	405	53.89	11200	1.1	28	2KJ3503- ■ EC23- ■ ■ B2 -Z P01	
	21	345	45.83	10900	1.3	28	2KJ3503- ■ EC23- ■ ■ A2 -Z P01	
	23	315	41.67	10700	1.4	28	2KJ3503- ■ EC23- ■ ■ X1 -Z P01	
	B.49-LE80ZMQ4P							
	24	290	59.28	10500	1.5	27	2KJ3503- ■ DF23- ■ ■ C2 -Z -	
	27	265	53.89	10300	1.7	27	2KJ3503- ■ DF23- ■ ■ B2 -Z -	
	32	225	45.83	9980	2	27	2KJ3503- ■ DF23- ■ ■ A2 -Z -	
	35	205	41.67	9760	2.2	27	2KJ3503- ■ DF23- ■ ■ X1 -Z -	
	39	184	37.18	9480	2.5	27	2KJ3503- ■ DF23- ■ ■ W1 -Z -	
	44	165	33.33	9220	2.7	27	2KJ3503- ■ DF23- ■ ■ V1 -Z -	
	B.39-LE80ZMQ4P							
	29	245	50.11	6980	0.85	21	2KJ3502- ■ DF23- ■ ■ X1 -Z -	
	33	215	44.00	6980	1.2	21	2KJ3502- ■ DF23- ■ ■ W1 -Z -	
	36	198	40.00	6980	1.2	21	2KJ3502- ■ DF23- ■ ■ V1 -Z -	
	42	169	34.22	6980	1.5	21	2KJ3502- ■ DF23- ■ ■ U1 -Z -	
	47	154	31.11	6980	1.6	21	2KJ3502- ■ DF23- ■ ■ T1 -Z -	
	53	136	27.50	6980	1.8	21	2KJ3502- ■ DF23- ■ ■ S1 -Z -	
	58	123	25.00	6980	2	21	2KJ3502- ■ DF23- ■ ■ R1 -Z -	
	66	108	21.90	6980	2.3	21	2KJ3502- ■ DF23- ■ ■ Q1 -Z -	
	72	100	20.21	6980	2.5	21	2KJ3502- ■ DF23- ■ ■ P1 -Z -	
	81	88	17.90	6980	2.8	21	2KJ3502- ■ DF23- ■ ■ N1 -Z -	
	97	74	14.90	6980	3.4	21	2KJ3502- ■ DF23- ■ ■ M1 -Z -	
	B.29-LE80ZMQ4P							
	57	126	25.56	4050	0.87	16	2KJ3501- ■ DF23- ■ ■ U1 -Z -	
	65	111	22.41	4130	0.99	16	2KJ3501- ■ DF23- ■ ■ T1 -Z -	
	72	99	20.00	4190	1.1	16	2KJ3501- ■ DF23- ■ ■ S1 -Z -	
	81	88	17.82	4200	1.2	16	2KJ3501- ■ DF23- ■ ■ R1 -Z -	
	88	81	16.45	4200	1.4	16	2KJ3501- ■ DF23- ■ ■ Q1 -Z -	
	101	71	14.40	4200	1.5	16	2KJ3501- ■ DF23- ■ ■ P1 -Z -	
	115	62	12.63	4200	1.8	16	2KJ3501- ■ DF23- ■ ■ N1 -Z -	
	127	57	11.46	4140	1.9	16	2KJ3501- ■ DF23- ■ ■ M1 -Z -	
	135	53	10.78	4090	2.1	16	2KJ3501- ■ DF23- ■ ■ L1 -Z -	
	152	47	9.51	3950	2.3	16	2KJ3501- ■ DF23- ■ ■ K1 -Z -	
	176	41	8.25	3810	2.7	16	2KJ3501- ■ DF23- ■ ■ J1 -Z -	
	185	39	7.84	3720	1.9	16	2KJ3501- ■ DF23- ■ ■ H1 -Z -	
	196	36	7.38	3660	2.1	16	2KJ3501- ■ DF23- ■ ■ G1 -Z -	
	223	32	6.51	3540	2.3	16	2KJ3501- ■ DF23- ■ ■ F1 -Z -	
	257	28	5.65	3400	2.7	16	2KJ3501- ■ DF23- ■ ■ E1 -Z -	
	286	25	5.07	3340	3	16	2KJ3501- ■ DF23- ■ ■ D1 -Z -	
	303	24	4.78	3270	3.1	16	2KJ3501- ■ DF23- ■ ■ C1 -Z -	
	344	21	4.21	3160	3.6	16	2KJ3501- ■ DF23- ■ ■ B1 -Z -	
	397	18	3.65	3030	4	16	2KJ3501- ■ DF23- ■ ■ A1 -Z -	
	B.19-LE80ZMQ4P							
	115	62	12.66	1910	0.8	14	2KJ3500- ■ DF23- ■ ■ N1 -Z -	
	132	54	11.00	1910	0.92	14	2KJ3500- ■ DF23- ■ ■ 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, C or D** [see page 10/42](#)

SIMOGEAR geared motors

Bevel geared motors

Geared motors up to 55 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
0.75	B.19-LE80ZMQ4P							
	146	49	9.93	1910	1	14	2KJ3500- ■ DF23- ■ ■ L1 -Z	–
	155	46	9.35	1910	1.1	14	2KJ3500- ■ DF23- ■ ■ K1 -Z	–
	178	40	8.15	1910	1.2	14	2KJ3500- ■ DF23- ■ ■ J1 -Z	–
	184	39	7.87	1910	0.98	14	2KJ3500- ■ DF23- ■ ■ H1 -Z	–
	207	34	6.99	1910	1.1	14	2KJ3500- ■ DF23- ■ ■ G1 -Z	–
	225	32	6.45	1910	1.2	14	2KJ3500- ■ DF23- ■ ■ F1 -Z	–
	258	28	5.61	1910	1.3	14	2KJ3500- ■ DF23- ■ ■ E1 -Z	–
	298	24	4.87	1910	1.5	14	2KJ3500- ■ DF23- ■ ■ D1 -Z	–
	330	22	4.40	1910	1.6	14	2KJ3500- ■ DF23- ■ ■ C1 -Z	–
	350	20	4.14	1910	1.6	14	2KJ3500- ■ DF23- ■ ■ B1 -Z	–
	402	18	3.61	1910	1.7	14	2KJ3500- ■ DF23- ■ ■ A1 -Z	–
1.1	K.129-LE100ZLSA6P							
	4.2	2520	228.30	39400	1.7	170	2KJ3512- ■ FN23- ■ ■ J2 -Z	P01
	4.5	2330	210.74	39600	1.9	170	2KJ3512- ■ FN23- ■ ■ H2 -Z	P01
	K.109-LE100ZLSA6P							
	4.4	2390	216.65	24500	1.2	119	2KJ3511- ■ FN23- ■ ■ H2 -Z	P01
	4.9	2160	195.60	24500	1.3	119	2KJ3511- ■ FN23- ■ ■ G2 -Z	P01
	5.4	1960	177.43	24500	1.5	119	2KJ3511- ■ FN23- ■ ■ F2 -Z	P01
	5.8	1810	163.78	24500	1.6	119	2KJ3511- ■ FN23- ■ ■ E2 -Z	P01
	6.4	1640	148.88	24500	1.8	119	2KJ3511- ■ FN23- ■ ■ D2 -Z	P01
	K.109-LE90SM4P							
	6.6	1580	216.65	24500	1.8	101	2KJ3511- ■ EK23- ■ ■ H2 -Z	–
	7.4	1420	195.60	24500	2	101	2KJ3511- ■ EK23- ■ ■ G2 -Z	–
	K.89-LE100ZLSA6P							
	5.6	1870	169.94	18100	0.85	84	2KJ3510- ■ FN23- ■ ■ G2 -Z	P01
	K.89-LE90SM4P							
	6.2	1690	231.80	18100	0.95	64	2KJ3510- ■ EK23- ■ ■ K2 -Z	–
	6.8	1530	210.72	18100	1	64	2KJ3510- ■ EK23- ■ ■ J2 -Z	–
	7.6	1370	189.01	18100	1.2	64	2KJ3510- ■ EK23- ■ ■ H2 -Z	–
	8.5	1240	169.94	18100	1.3	64	2KJ3510- ■ EK23- ■ ■ G2 -Z	–
	9.4	1120	153.70	18100	1.4	64	2KJ3510- ■ EK23- ■ ■ F2 -Z	–
	10	1030	141.88	18100	1.5	64	2KJ3510- ■ EK23- ■ ■ E2 -Z	–
	11	945	129.96	18100	1.7	64	2KJ3510- ■ EK23- ■ ■ D2 -Z	–
	13	795	109.04	18100	2	64	2KJ3510- ■ EK23- ■ ■ C2 -Z	–
	14	745	102.63	18100	2.1	64	2KJ3510- ■ EK23- ■ ■ B2 -Z	–
	K.79-LE90SM4P							
	10	1000	137.35	13600	0.82	42	2KJ3508- ■ EK23- ■ ■ D2 -Z	–
	12	900	123.80	13800	0.91	42	2KJ3508- ■ EK23- ■ ■ C2 -Z	–
	13	830	114.28	13900	0.98	42	2KJ3508- ■ EK23- ■ ■ B2 -Z	–
	14	760	104.32	14000	1.1	42	2KJ3508- ■ EK23- ■ ■ A2 -Z	–
	17	630	86.56	14300	1.3	42	2KJ3508- ■ EK23- ■ ■ X1 -Z	–
	18	590	81.47	14400	1.4	42	2KJ3508- ■ EK23- ■ ■ W1 -Z	–
	19	560	76.94	14400	1.5	42	2KJ3508- ■ EK23- ■ ■ V1 -Z	–
	22	475	65.47	14400	1.7	42	2KJ3508- ■ EK23- ■ ■ U1 -Z	–
	26	405	56.08	14400	2	42	2KJ3508- ■ EK23- ■ ■ T1 -Z	–
	29	360	49.31	14400	2.3	42	2KJ3508- ■ EK23- ■ ■ S1 -Z	–
	35	300	41.60	14400	2.6	42	2KJ3508- ■ EK23- ■ ■ R1 -Z	–
	K.69-LE90SM4P							
	14	725	99.64	10000	0.83	37	2KJ3507- ■ EK23- ■ ■ B2 -Z	–
	16	670	91.98	10100	0.89	37	2KJ3507- ■ EK23- ■ ■ A2 -Z	–
	17	610	83.96	10100	0.98	37	2KJ3507- ■ EK23- ■ ■ X1 -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, C or D	see page 10/42

SIMOGEAR geared motors

Bevel geared motors

Geared motors up to 55 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
1.1	K.69-LE90SM4P							
	21	505	69.67	10000	1.2	37	2KJ3507- ■ EK23- ■ ■ W1 -Z	–
	22	475	65.57	9950	1.3	37	2KJ3507- ■ EK23- ■ ■ V1 -Z	–
	23	450	61.93	9880	1.3	37	2KJ3507- ■ EK23- ■ ■ U1 -Z	–
	27	380	52.69	9690	1.6	37	2KJ3507- ■ EK23- ■ ■ T1 -Z	–
	32	325	45.14	9460	1.8	37	2KJ3507- ■ EK23- ■ ■ S1 -Z	–
	36	290	39.69	9220	2.1	37	2KJ3507- ■ EK23- ■ ■ R1 -Z	–
	43	240	33.48	8950	2.4	37	2KJ3507- ■ EK23- ■ ■ Q1 -Z	–
	49	210	29.18	8690	2.6	37	2KJ3507- ■ EK23- ■ ■ P1 -Z	–
	K.49-LE90SM4P							
	20	520	71.82	5890	0.8	30	2KJ3505- ■ EK23- ■ ■ X1 -Z	–
	23	460	63.59	5960	0.91	30	2KJ3505- ■ EK23- ■ ■ W1 -Z	–
	27	385	52.93	5980	1.1	30	2KJ3505- ■ EK23- ■ ■ V1 -Z	–
	29	360	49.82	5990	1.2	30	2KJ3505- ■ EK23- ■ ■ U1 -Z	–
	32	325	44.63	5950	1.3	30	2KJ3505- ■ EK23- ■ ■ T1 -Z	–
	38	275	38.00	5900	1.5	30	2KJ3505- ■ EK23- ■ ■ S1 -Z	–
	44	235	32.57	5800	1.8	30	2KJ3505- ■ EK23- ■ ■ R1 -Z	–
	51	205	28.05	5670	2.1	30	2KJ3505- ■ EK23- ■ ■ Q1 -Z	–
	55	192	26.30	5610	2.2	30	2KJ3505- ■ EK23- ■ ■ P1 -Z	–
	62	170	23.28	5500	2.5	30	2KJ3505- ■ EK23- ■ ■ N1 -Z	–
	74	141	19.38	5320	3	30	2KJ3505- ■ EK23- ■ ■ M1 -Z	–
	79	133	18.24	5260	3.2	30	2KJ3505- ■ EK23- ■ ■ L1 -Z	–
	148	71	9.75	4520	3.9	30	2KJ3505- ■ EK23- ■ ■ F1 -Z	–
	157	67	9.18	4450	4	30	2KJ3505- ■ EK23- ■ ■ E1 -Z	–
	K.39-LE90SM4P							
	40	260	36.21	5050	0.83	24	2KJ3504- ■ EK23- ■ ■ T1 -Z	–
	45	230	31.92	5010	0.94	24	2KJ3504- ■ EK23- ■ ■ S1 -Z	–
	52	200	27.70	4960	1.1	24	2KJ3504- ■ EK23- ■ ■ R1 -Z	–
	54	196	26.89	4930	1.1	24	2KJ3504- ■ EK23- ■ ■ Q1 -Z	–
	60	175	23.97	4860	1.3	24	2KJ3504- ■ EK23- ■ ■ P1 -Z	–
	65	161	22.12	4820	1.4	24	2KJ3504- ■ EK23- ■ ■ N1 -Z	–
	74	141	19.37	4730	1.6	24	2KJ3504- ■ EK23- ■ ■ M1 -Z	–
	85	124	16.98	4630	1.8	24	2KJ3504- ■ EK23- ■ ■ L1 -Z	–
	93	112	15.41	4550	2	24	2KJ3504- ■ EK23- ■ ■ K1 -Z	–
	99	106	14.50	4490	2.1	24	2KJ3504- ■ EK23- ■ ■ J1 -Z	–
	113	93	12.78	4390	2.4	24	2KJ3504- ■ EK23- ■ ■ H1 -Z	–
	130	81	11.09	4250	2.7	24	2KJ3504- ■ EK23- ■ ■ G1 -Z	–
	143	73	10.04	4060	2.5	24	2KJ3504- ■ EK23- ■ ■ F1 -Z	–
	163	64	8.81	3950	2.8	24	2KJ3504- ■ EK23- ■ ■ E1 -Z	–
	180	58	7.99	3860	3	24	2KJ3504- ■ EK23- ■ ■ D1 -Z	–
	191	55	7.52	3800	3.1	24	2KJ3504- ■ EK23- ■ ■ C1 -Z	–
	217	48	6.63	3700	3.3	24	2KJ3504- ■ EK23- ■ ■ B1 -Z	–
	250	42	5.75	3570	3.6	24	2KJ3504- ■ EK23- ■ ■ A1 -Z	–
	B.49-LE90SM4P							
	24	430	59.28	9670	1	28	2KJ3503- ■ EK23- ■ ■ C2 -Z	–
	27	390	53.89	9550	1.1	28	2KJ3503- ■ EK23- ■ ■ B2 -Z	–
	31	330	45.83	9310	1.3	28	2KJ3503- ■ EK23- ■ ■ A2 -Z	–
	35	300	41.67	9150	1.5	28	2KJ3503- ■ EK23- ■ ■ X1 -Z	–
	39	270	37.18	8930	1.7	28	2KJ3503- ■ EK23- ■ ■ W1 -Z	–
	43	240	33.33	8750	1.9	28	2KJ3503- ■ EK23- ■ ■ V1 -Z	–
	48	215	30.05	8560	2.1	28	2KJ3503- ■ EK23- ■ ■ 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, C or D	see page 10/42

SIMOGEAR geared motors

Bevel geared motors

Geared motors up to 55 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
1.1	B.49-LE90SM4P							
	52	200	27.74	8400	2.2	28	2KJ3503- ■ EK23- ■ ■ T1 -Z	–
	57	185	25.32	8210	2.4	28	2KJ3503- ■ EK23- ■ ■ S1 -Z	–
	69	153	21.01	7850	2.9	28	2KJ3503- ■ EK23- ■ ■ R1 -Z	–
	73	144	19.77	7730	3.1	28	2KJ3503- ■ EK23- ■ ■ Q1 -Z	–
	B.39-LE90SM4P							
	42	250	34.22	6980	1	23	2KJ3502- ■ EK23- ■ ■ U1 -Z	–
	46	225	31.11	6980	1.1	23	2KJ3502- ■ EK23- ■ ■ T1 -Z	–
	52	200	27.50	6980	1.2	23	2KJ3502- ■ EK23- ■ ■ S1 -Z	–
	58	182	25.00	6980	1.4	23	2KJ3502- ■ EK23- ■ ■ R1 -Z	–
	66	160	21.90	6980	1.6	23	2KJ3502- ■ EK23- ■ ■ Q1 -Z	–
	71	147	20.21	6980	1.7	23	2KJ3502- ■ EK23- ■ ■ P1 -Z	–
	80	131	17.90	6980	1.9	23	2KJ3502- ■ EK23- ■ ■ N1 -Z	–
	97	109	14.90	6790	2.3	23	2KJ3502- ■ EK23- ■ ■ M1 -Z	–
	103	102	14.02	6690	2.4	23	2KJ3502- ■ EK23- ■ ■ L1 -Z	–
	115	92	12.56	6500	2.7	23	2KJ3502- ■ EK23- ■ ■ K1 -Z	–
	135	78	10.69	6230	3.1	23	2KJ3502- ■ EK23- ■ ■ J1 -Z	–
	157	67	9.17	5970	3.4	23	2KJ3502- ■ EK23- ■ ■ H1 -Z	–
	183	58	7.89	5720	3.8	23	2KJ3502- ■ EK23- ■ ■ G1 -Z	–
	218	48	6.60	5480	4.2	23	2KJ3502- ■ EK23- ■ ■ F1 -Z	–
	232	45	6.21	5380	4.4	23	2KJ3502- ■ EK23- ■ ■ E1 -Z	–
	B.29-LE90SM4P							
	81	130	17.82	4030	0.85	18	2KJ3501- ■ EK23- ■ ■ R1 -Z	–
	88	120	16.45	4080	0.92	18	2KJ3501- ■ EK23- ■ ■ Q1 -Z	–
	100	105	14.40	4080	1	18	2KJ3501- ■ EK23- ■ ■ P1 -Z	–
	114	92	12.63	3980	1.2	18	2KJ3501- ■ EK23- ■ ■ N1 -Z	–
	126	84	11.46	3900	1.3	18	2KJ3501- ■ EK23- ■ ■ M1 -Z	–
	134	79	10.78	3860	1.4	18	2KJ3501- ■ EK23- ■ ■ L1 -Z	–
	151	69	9.51	3760	1.6	18	2KJ3501- ■ EK23- ■ ■ K1 -Z	–
	175	60	8.25	3640	1.8	18	2KJ3501- ■ EK23- ■ ■ J1 -Z	–
	184	57	7.84	3540	1.3	18	2KJ3501- ■ EK23- ■ ■ H1 -Z	–
	195	54	7.38	3490	1.4	18	2KJ3501- ■ EK23- ■ ■ G1 -Z	–
	221	48	6.51	3380	1.6	18	2KJ3501- ■ EK23- ■ ■ F1 -Z	–
	255	41	5.65	3280	1.8	18	2KJ3501- ■ EK23- ■ ■ E1 -Z	–
	284	37	5.07	3240	2	18	2KJ3501- ■ EK23- ■ ■ D1 -Z	–
	301	35	4.78	3180	2.1	18	2KJ3501- ■ EK23- ■ ■ C1 -Z	–
	342	31	4.21	3080	2.4	18	2KJ3501- ■ EK23- ■ ■ B1 -Z	–
	395	27	3.65	2960	2.7	18	2KJ3501- ■ EK23- ■ ■ A1 -Z	–
1.5	K.129-LE112ZMKA6P							
	4.3	3350	228.30	38600	1.3	170	2KJ3512- ■ GH23- ■ ■ J2 -Z	P01
	4.6	3090	210.74	38900	1.4	170	2KJ3512- ■ GH23- ■ ■ H2 -Z	P01
	5	2850	194.04	39100	1.5	170	2KJ3512- ■ GH23- ■ ■ G2 -Z	P01
	5.9	2430	165.47	39500	1.8	170	2KJ3512- ■ GH23- ■ ■ F2 -Z	P01
	K.129-LE90ZLR4P							
	6.3	2260	228.30	39700	1.9	154	2KJ3512- ■ EM23- ■ ■ J2 -Z	–
	6.9	2080	210.74	39900	2.1	154	2KJ3512- ■ EM23- ■ ■ H2 -Z	–
	K.109-LE112ZMKA6P							
	4.5	3180	216.65	24500	0.91	120	2KJ3511- ■ GH23- ■ ■ H2 -Z	P01
	5	2870	195.60	24500	1	120	2KJ3511- ■ GH23- ■ ■ G2 -Z	P01
	5.5	2600	177.43	24500	1.1	120	2KJ3511- ■ GH23- ■ ■ F2 -Z	P01
	6	2400	163.78	24500	1.2	120	2KJ3511- ■ GH23- ■ ■ E2 -Z	P01

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, C or D	see page 10/42

SIMOGEAR geared motors

Bevel geared motors

Geared motors up to 55 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
1.5	K.109-LE90ZLR4P							
	6.7	2140	216.65	24500	1.4	104	2KJ3511- ■ EM23- ■ ■ H2 -Z	–
	7.4	1930	195.60	24500	1.5	104	2KJ3511- ■ EM23- ■ ■ G2 -Z	–
	8.1	1750	177.43	24500	1.6	104	2KJ3511- ■ EM23- ■ ■ F2 -Z	–
	8.8	1620	163.78	24500	1.8	104	2KJ3511- ■ EM23- ■ ■ E2 -Z	–
	9.7	1470	148.88	24500	2	104	2KJ3511- ■ EM23- ■ ■ D2 -Z	–
	K.89-LE90ZLR4P							
	7.6	1870	189.01	18100	0.85	67	2KJ3510- ■ EM23- ■ ■ H2 -Z	–
	8.5	1680	169.94	18100	0.95	67	2KJ3510- ■ EM23- ■ ■ G2 -Z	–
	9.4	1520	153.70	18100	1.1	67	2KJ3510- ■ EM23- ■ ■ F2 -Z	–
	10	1400	141.88	18100	1.1	67	2KJ3510- ■ EM23- ■ ■ E2 -Z	–
	11	1280	129.96	18100	1.2	67	2KJ3510- ■ EM23- ■ ■ D2 -Z	–
	13	1080	109.04	18100	1.5	67	2KJ3510- ■ EM23- ■ ■ C2 -Z	–
	14	1010	102.63	18100	1.6	67	2KJ3510- ■ EM23- ■ ■ B2 -Z	–
	15	930	94.16	18100	1.7	67	2KJ3510- ■ EM23- ■ ■ A2 -Z	–
	18	815	82.25	18100	2	67	2KJ3510- ■ EM23- ■ ■ X1 -Z	–
	20	730	73.64	18100	2.2	67	2KJ3510- ■ EM23- ■ ■ W1 -Z	–
	K.79-LE90ZLR4P							
	17	855	86.56	13900	0.96	45	2KJ3508- ■ EM23- ■ ■ X1 -Z	–
	18	805	81.47	14000	1	45	2KJ3508- ■ EM23- ■ ■ W1 -Z	–
	19	760	76.94	14000	1.1	45	2KJ3508- ■ EM23- ■ ■ V1 -Z	–
	22	645	65.47	14300	1.3	45	2KJ3508- ■ EM23- ■ ■ U1 -Z	–
	26	555	56.08	14400	1.5	45	2KJ3508- ■ EM23- ■ ■ T1 -Z	–
	29	485	49.31	14400	1.7	45	2KJ3508- ■ EM23- ■ ■ S1 -Z	–
	35	410	41.60	14400	1.9	45	2KJ3508- ■ EM23- ■ ■ R1 -Z	–
	40	355	36.26	14400	2.1	45	2KJ3508- ■ EM23- ■ ■ Q1 -Z	–
	44	325	32.78	14400	2.5	45	2KJ3508- ■ EM23- ■ ■ P1 -Z	–
	K.69-LE90ZLR4P							
	21	690	69.67	8680	0.87	40	2KJ3507- ■ EM23- ■ ■ W1 -Z	–
	22	650	65.57	8690	0.92	40	2KJ3507- ■ EM23- ■ ■ V1 -Z	–
	23	610	61.93	8720	0.98	40	2KJ3507- ■ EM23- ■ ■ U1 -Z	–
	27	520	52.69	8680	1.1	40	2KJ3507- ■ EM23- ■ ■ T1 -Z	–
	32	445	45.14	8590	1.3	40	2KJ3507- ■ EM23- ■ ■ S1 -Z	–
	36	390	39.69	8490	1.5	40	2KJ3507- ■ EM23- ■ ■ R1 -Z	–
	43	330	33.48	8300	1.7	40	2KJ3507- ■ EM23- ■ ■ Q1 -Z	–
	50	285	29.18	8140	1.9	40	2KJ3507- ■ EM23- ■ ■ P1 -Z	–
	55	255	26.05	7980	2.3	40	2KJ3507- ■ EM23- ■ ■ N1 -Z	–
	59	240	24.52	7890	2.4	40	2KJ3507- ■ EM23- ■ ■ M1 -Z	–
	62	225	23.15	7810	2.5	40	2KJ3507- ■ EM23- ■ ■ L1 -Z	–
	73	195	19.70	7530	2.8	40	2KJ3507- ■ EM23- ■ ■ K1 -Z	–
	86	167	16.88	7280	3.2	40	2KJ3507- ■ EM23- ■ ■ J1 -Z	–
	97	147	14.84	7070	3.5	40	2KJ3507- ■ EM23- ■ ■ H1 -Z	–
	155	93	9.34	6130	4	40	2KJ3507- ■ EM23- ■ ■ E1 -Z	–
	K.49-LE90ZLR4P							
	27	525	52.93	4880	0.8	33	2KJ3505- ■ EM23- ■ ■ V1 -Z	–
	29	490	49.82	4970	0.85	33	2KJ3505- ■ EM23- ■ ■ U1 -Z	–
	32	440	44.63	5040	0.95	33	2KJ3505- ■ EM23- ■ ■ T1 -Z	–
	38	375	38.00	5110	1.1	33	2KJ3505- ■ EM23- ■ ■ S1 -Z	–
	44	320	32.57	5130	1.3	33	2KJ3505- ■ EM23- ■ ■ R1 -Z	–
	52	275	28.05	5110	1.5	33	2KJ3505- ■ EM23- ■ ■ Q1 -Z	–
	55	260	26.30	5080	1.6	33	2KJ3505- ■ EM23- ■ ■ P1 -Z	–
	62	230	23.28	5030	1.8	33	2KJ3505- ■ EM23- ■ ■ N1 -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, C or D** [see page 10/42](#)

SIMOGEAR geared motors

Bevel geared motors

Geared motors up to 55 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
1.5	K.49-LE90ZLR4P							
	75	192	19.38	4920	2.2	33	2KJ3505- ■ EM23- ■ ■ M1 -Z -	
	79	181	18.24	4880	2.3	33	2KJ3505- ■ EM23- ■ ■ L1 -Z -	
	88	162	16.34	4800	2.6	33	2KJ3505- ■ EM23- ■ ■ K1 -Z -	
	104	138	13.91	4670	3	33	2KJ3505- ■ EM23- ■ ■ J1 -Z -	
	121	118	11.93	4540	3.6	33	2KJ3505- ■ EM23- ■ ■ H1 -Z -	
	148	97	9.75	4290	2.8	33	2KJ3505- ■ EM23- ■ ■ F1 -Z -	
	157	91	9.18	4240	3	33	2KJ3505- ■ EM23- ■ ■ E1 -Z -	
	176	82	8.22	4140	3.1	33	2KJ3505- ■ EM23- ■ ■ D1 -Z -	
	206	69	7.00	3990	3.5	33	2KJ3505- ■ EM23- ■ ■ C1 -Z -	
	K.39-LE90ZLR4P							
	52	275	27.70	4270	0.8	27	2KJ3504- ■ EM23- ■ ■ R1 -Z -	
	54	265	26.89	4290	0.83	27	2KJ3504- ■ EM23- ■ ■ Q1 -Z -	
	60	235	23.97	4310	0.93	27	2KJ3504- ■ EM23- ■ ■ P1 -Z -	
	65	215	22.12	4320	1	27	2KJ3504- ■ EM23- ■ ■ N1 -Z -	
	75	192	19.37	4260	1.1	27	2KJ3504- ■ EM23- ■ ■ M1 -Z -	
	85	168	16.98	4220	1.3	27	2KJ3504- ■ EM23- ■ ■ L1 -Z -	
	94	153	15.41	4170	1.4	27	2KJ3504- ■ EM23- ■ ■ K1 -Z -	
	100	144	14.50	4140	1.5	27	2KJ3504- ■ EM23- ■ ■ J1 -Z -	
	113	127	12.78	4070	1.7	27	2KJ3504- ■ EM23- ■ ■ H1 -Z -	
	B.49-LE90ZLR4P							
	27	530	53.89	8600	0.84	31	2KJ3503- ■ EM23- ■ ■ B2 -Z -	
	32	450	45.83	8500	0.99	31	2KJ3503- ■ EM23- ■ ■ A2 -Z -	
	35	410	41.67	8400	1.1	31	2KJ3503- ■ EM23- ■ ■ X1 -Z -	
	39	365	37.18	8290	1.2	31	2KJ3503- ■ EM23- ■ ■ W1 -Z -	
	43	330	33.33	8140	1.4	31	2KJ3503- ■ EM23- ■ ■ V1 -Z -	
	48	295	30.05	8020	1.5	31	2KJ3503- ■ EM23- ■ ■ U1 -Z -	
	52	275	27.74	7890	1.6	31	2KJ3503- ■ EM23- ■ ■ T1 -Z -	
	57	250	25.32	7760	1.8	31	2KJ3503- ■ EM23- ■ ■ S1 -Z -	
	69	205	21.01	7490	2.2	31	2KJ3503- ■ EM23- ■ ■ R1 -Z -	
	B.39-LE90ZLR4P							
	73	196	19.77	7380	2.3	31	2KJ3503- ■ EM23- ■ ■ Q1 -Z -	
	77	185	18.67	7290	2.4	31	2KJ3503- ■ EM23- ■ ■ P1 -Z -	
	91	158	15.89	7020	2.9	31	2KJ3503- ■ EM23- ■ ■ N1 -Z -	
	106	135	13.61	6770	3.3	31	2KJ3503- ■ EM23- ■ ■ M1 -Z -	
	174	82	8.29	6000	4	31	2KJ3503- ■ EM23- ■ ■ H1 -Z -	
	185	77	7.80	5900	4.3	31	2KJ3503- ■ EM23- ■ ■ G1 -Z -	
	46	305	31.11	6980	0.81	26	2KJ3502- ■ EM23- ■ ■ T1 -Z -	
	53	270	27.50	6980	0.92	26	2KJ3502- ■ EM23- ■ ■ S1 -Z -	
	58	245	25.00	6980	1	26	2KJ3502- ■ EM23- ■ ■ R1 -Z -	
	66	215	21.90	6980	1.2	26	2KJ3502- ■ EM23- ■ ■ Q1 -Z -	
	71	200	20.21	6890	1.2	26	2KJ3502- ■ EM23- ■ ■ P1 -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, C or D	see page 10/42

SIMOGEAR geared motors

Bevel geared motors

Geared motors up to 55 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
1.5	B.39-LE90ZLR4P							
	81	177	17.90	6730	1.4	26	2KJ3502- ■ EM23- ■ ■ N1 -Z	–
	97	148	14.90	6480	1.7	26	2KJ3502- ■ EM23- ■ ■ M1 -Z	–
	103	139	14.02	6390	1.8	26	2KJ3502- ■ EM23- ■ ■ L1 -Z	–
	115	125	12.56	6230	2	26	2KJ3502- ■ EM23- ■ ■ K1 -Z	–
	135	106	10.69	6000	2.3	26	2KJ3502- ■ EM23- ■ ■ J1 -Z	–
	158	91	9.17	5780	2.5	26	2KJ3502- ■ EM23- ■ ■ H1 -Z	–
	183	78	7.89	5560	2.8	26	2KJ3502- ■ EM23- ■ ■ G1 -Z	–
	219	65	6.60	5350	3.1	26	2KJ3502- ■ EM23- ■ ■ F1 -Z	–
	233	62	6.21	5260	3.2	26	2KJ3502- ■ EM23- ■ ■ E1 -Z	–
	260	55	5.56	5100	3.6	26	2KJ3502- ■ EM23- ■ ■ D1 -Z	–
	305	47	4.74	4870	4.3	26	2KJ3502- ■ EM23- ■ ■ C1 -Z	–
	356	40	4.06	4660	5	26	2KJ3502- ■ EM23- ■ ■ B1 -Z	–
	413	35	3.50	4450	5.5	26	2KJ3502- ■ EM23- ■ ■ A1 -Z	–
	B.29-LE90ZLR4P							
	114	125	12.63	3670	0.88	21	2KJ3501- ■ EM23- ■ ■ N1 -Z	–
	126	114	11.46	3620	0.97	21	2KJ3501- ■ EM23- ■ ■ M1 -Z	–
	134	107	10.78	3590	1	21	2KJ3501- ■ EM23- ■ ■ L1 -Z	–
	152	94	9.51	3520	1.2	21	2KJ3501- ■ EM23- ■ ■ K1 -Z	–
	175	82	8.25	3430	1.3	21	2KJ3501- ■ EM23- ■ ■ J1 -Z	–
	184	78	7.84	3320	0.96	21	2KJ3501- ■ EM23- ■ ■ H1 -Z	–
	196	73	7.38	3290	1	21	2KJ3501- ■ EM23- ■ ■ G1 -Z	–
	222	64	6.51	3220	1.2	21	2KJ3501- ■ EM23- ■ ■ F1 -Z	–
	256	56	5.65	3120	1.3	21	2KJ3501- ■ EM23- ■ ■ E1 -Z	–
	285	50	5.07	3120	1.5	21	2KJ3501- ■ EM23- ■ ■ D1 -Z	–
	302	47	4.78	3070	1.6	21	2KJ3501- ■ EM23- ■ ■ C1 -Z	–
	343	42	4.21	2970	1.8	21	2KJ3501- ■ EM23- ■ ■ B1 -Z	–
	396	36	3.65	2870	2	21	2KJ3501- ■ EM23- ■ ■ A1 -Z	–
2.2	K.149-LE132SQA6P							
	4.1	5100	237.03	65000	1.6	283	2KJ3513- ■ HG23- ■ ■ J2 -Z	P01
	4.8	4370	202.86	65000	1.8	283	2KJ3513- ■ HG23- ■ ■ H2 -Z	P01
	5.1	4110	190.92	65000	1.9	283	2KJ3513- ■ HG23- ■ ■ G2 -Z	P01
	5.4	3850	178.97	65000	2.1	283	2KJ3513- ■ HG23- ■ ■ F2 -Z	P01
	K.129-LE132SQA6P							
	5	4180	194.04	37800	1.1	200	2KJ3512- ■ HG23- ■ ■ G2 -Z	P01
	5.9	3560	165.47	38400	1.2	200	2KJ3512- ■ HG23- ■ ■ F2 -Z	P01
	K.129-LE100ZLSA4P							
	6.4	3270	228.30	38700	1.3	170	2KJ3512- ■ FN23- ■ ■ J2 -Z	–
	7	3020	210.74	38900	1.5	170	2KJ3512- ■ FN23- ■ ■ H2 -Z	–
	7.5	2780	194.04	39200	1.6	170	2KJ3512- ■ FN23- ■ ■ G2 -Z	–
	8.9	2370	165.47	39600	1.9	170	2KJ3512- ■ FN23- ■ ■ F2 -Z	–
	9.4	2230	155.74	39700	2	170	2KJ3512- ■ FN23- ■ ■ E2 -Z	–
	10	2070	144.53	39900	2.1	170	2KJ3512- ■ FN23- ■ ■ D2 -Z	–
	K.109-LE100ZLSA4P							
	6.8	3100	216.65	24500	0.93	119	2KJ3511- ■ FN23- ■ ■ H2 -Z	–
	7.5	2800	195.60	24500	1	119	2KJ3511- ■ FN23- ■ ■ G2 -Z	–
	8.3	2540	177.43	24500	1.1	119	2KJ3511- ■ FN23- ■ ■ F2 -Z	–
	8.9	2340	163.78	24500	1.2	119	2KJ3511- ■ FN23- ■ ■ E2 -Z	–
	9.8	2130	148.88	24500	1.4	119	2KJ3511- ■ FN23- ■ ■ D2 -Z	–
	12	1700	118.65	24500	1.7	119	2KJ3511- ■ FN23- ■ ■ B2 -Z	–
	12	1800	126.07	24500	1.6	119	2KJ3511- ■ FN23- ■ ■ 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, C or D** [see page 10/42](#)

SIMOGEAR geared motors

Bevel geared motors

Geared motors up to 55 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
2.2	K.109-LE100ZLSA4P							
	13	1570	109.57	24500	1.8	119	2KJ3511- ■ FN23- ■ ■ A2 -Z –	
	15	1390	97.49	24500	2.1	119	2KJ3511- ■ FN23- ■ ■ X1 -Z –	
	17	1240	86.59	24500	2.3	119	2KJ3511- ■ FN23- ■ ■ W1 -Z –	
	K.89-LE100ZLSA4P							
	11	1860	129.96	18100	0.86	84	2KJ3510- ■ FN23- ■ ■ D2 -Z –	
	13	1560	109.04	18100	1	84	2KJ3510- ■ FN23- ■ ■ C2 -Z –	
	14	1470	102.63	18100	1.1	84	2KJ3510- ■ FN23- ■ ■ B2 -Z –	
	16	1350	94.16	18100	1.2	84	2KJ3510- ■ FN23- ■ ■ A2 -Z –	
	18	1180	82.25	18100	1.4	84	2KJ3510- ■ FN23- ■ ■ X1 -Z –	
	20	1050	73.64	18100	1.5	84	2KJ3510- ■ FN23- ■ ■ W1 -Z –	
	23	920	64.39	18100	1.7	84	2KJ3510- ■ FN23- ■ ■ V1 -Z –	
	27	790	55.27	18100	2	84	2KJ3510- ■ FN23- ■ ■ U1 -Z –	
	30	700	48.85	18100	2.3	84	2KJ3510- ■ FN23- ■ ■ T1 -Z –	
	35	595	41.54	18100	2.6	84	2KJ3510- ■ FN23- ■ ■ S1 -Z –	
	K.79-LE100ZLSA4P							
	22	935	65.47	13700	0.87	63	2KJ3508- ■ FN23- ■ ■ U1 -Z –	
	26	800	56.08	14000	1	63	2KJ3508- ■ FN23- ■ ■ T1 -Z –	
	30	705	49.31	14200	1.2	63	2KJ3508- ■ FN23- ■ ■ S1 -Z –	
	35	595	41.60	14400	1.3	63	2KJ3508- ■ FN23- ■ ■ R1 -Z –	
	40	520	36.26	14400	1.5	63	2KJ3508- ■ FN23- ■ ■ Q1 -Z –	
	45	470	32.78	14400	1.7	63	2KJ3508- ■ FN23- ■ ■ P1 -Z –	
	54	390	27.20	14400	2.1	63	2KJ3508- ■ FN23- ■ ■ N1 -Z –	
	57	365	25.60	14400	2.1	63	2KJ3508- ■ FN23- ■ ■ M1 -Z –	
	61	345	24.17	14400	2.2	63	2KJ3508- ■ FN23- ■ ■ L1 -Z –	
	71	295	20.57	14400	2.5	63	2KJ3508- ■ FN23- ■ ■ K1 -Z –	
	83	250	17.62	14400	2.8	63	2KJ3508- ■ FN23- ■ ■ J1 -Z –	
	95	220	15.49	14400	3.1	63	2KJ3508- ■ FN23- ■ ■ H1 -Z –	
	112	187	13.07	14400	3.5	63	2KJ3508- ■ FN23- ■ ■ G1 -Z –	
	139	151	10.51	14400	3	63	2KJ3508- ■ FN23- ■ ■ E1 -Z –	
	163	129	9.01	13800	3.5	63	2KJ3508- ■ FN23- ■ ■ D1 -Z –	
	185	114	7.92	13300	4	63	2KJ3508- ■ FN23- ■ ■ C1 -Z –	
	K.69-LE100ZLSA4P							
	32	645	45.14	7110	0.93	57	2KJ3507- ■ FN23- ■ ■ S1 -Z –	
	37	565	39.69	7190	1.1	57	2KJ3507- ■ FN23- ■ ■ R1 -Z –	
	44	480	33.48	7180	1.2	57	2KJ3507- ■ FN23- ■ ■ Q1 -Z –	
	50	415	29.18	7170	1.3	57	2KJ3507- ■ FN23- ■ ■ P1 -Z –	
	56	370	26.05	7110	1.6	57	2KJ3507- ■ FN23- ■ ■ N1 -Z –	
	60	350	24.52	7060	1.7	57	2KJ3507- ■ FN23- ■ ■ M1 -Z –	
	63	330	23.15	7020	1.8	57	2KJ3507- ■ FN23- ■ ■ L1 -Z –	
	74	280	19.70	6890	2	57	2KJ3507- ■ FN23- ■ ■ K1 -Z –	
	87	240	16.88	6720	2.2	57	2KJ3507- ■ FN23- ■ ■ J1 -Z –	
	99	210	14.84	6580	2.4	57	2KJ3507- ■ FN23- ■ ■ H1 -Z –	
	117	180	12.52	6350	2.7	57	2KJ3507- ■ FN23- ■ ■ G1 -Z –	
	134	156	10.91	6180	3	57	2KJ3507- ■ FN23- ■ ■ F1 -Z –	
	157	134	9.34	5730	2.8	57	2KJ3507- ■ FN23- ■ ■ E1 -Z –	
	183	115	8.01	5550	3.2	57	2KJ3507- ■ FN23- ■ ■ D1 -Z –	
	208	101	7.04	5400	3.6	57	2KJ3507- ■ FN23- ■ ■ C1 -Z –	
	247	85	5.94	5190	4	57	2KJ3507- ■ FN23- ■ ■ B1 -Z –	
	283	74	5.18	5020	4.4	57	2KJ3507- ■ FN23- ■ ■ 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, C or D	see page 10/42

SIMOGEAR geared motors

Bevel geared motors

Geared motors up to 55 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
2.2	K.49-LE100ZLSA4P							
	45	465	32.57	3970	0.9	51	2KJ3505- ■ FN23- ■ ■ R1 -Z -	
	52	400	28.05	4110	1	51	2KJ3505- ■ FN23- ■ ■ Q1 -Z -	
	56	375	26.30	4150	1.1	51	2KJ3505- ■ FN23- ■ ■ P1 -Z -	
	63	330	23.28	4220	1.3	51	2KJ3505- ■ FN23- ■ ■ N1 -Z -	
	76	275	19.38	4240	1.5	51	2KJ3505- ■ FN23- ■ ■ M1 -Z -	
	80	260	18.24	4230	1.6	51	2KJ3505- ■ FN23- ■ ■ L1 -Z -	
	90	230	16.34	4240	1.8	51	2KJ3505- ■ FN23- ■ ■ K1 -Z -	
	105	199	13.91	4170	2.1	51	2KJ3505- ■ FN23- ■ ■ J1 -Z -	
	123	171	11.93	4100	2.5	51	2KJ3505- ■ FN23- ■ ■ H1 -Z -	
	143	147	10.27	4020	2.8	51	2KJ3505- ■ FN23- ■ ■ G1 -Z -	
	150	140	9.75	3910	2	51	2KJ3505- ■ FN23- ■ ■ F1 -Z -	
	160	132	9.18	3880	2.1	51	2KJ3505- ■ FN23- ■ ■ E1 -Z -	
	178	118	8.22	3810	2.2	51	2KJ3505- ■ FN23- ■ ■ D1 -Z -	
	209	100	7.00	3710	2.4	51	2KJ3505- ■ FN23- ■ ■ C1 -Z -	
	244	86	6.00	3600	2.6	51	2KJ3505- ■ FN23- ■ ■ B1 -Z -	
	283	74	5.17	3490	2.8	51	2KJ3505- ■ FN23- ■ ■ A1 -Z -	
	K.39-LE100ZLSA4P							
	86	240	16.98	3540	0.9	41	2KJ3504- ■ FN23- ■ ■ L1 -Z -	
	95	220	15.41	3540	1	41	2KJ3504- ■ FN23- ■ ■ K1 -Z -	
	101	205	14.50	3570	1.1	41	2KJ3504- ■ FN23- ■ ■ J1 -Z -	
	115	183	12.78	3540	1.2	41	2KJ3504- ■ FN23- ■ ■ H1 -Z -	
	132	159	11.09	3520	1.4	41	2KJ3504- ■ FN23- ■ ■ G1 -Z -	
	146	144	10.04	3290	1.3	41	2KJ3504- ■ FN23- ■ ■ F1 -Z -	
	166	126	8.81	3270	1.4	41	2KJ3504- ■ FN23- ■ ■ E1 -Z -	
	183	115	7.99	3240	1.5	41	2KJ3504- ■ FN23- ■ ■ D1 -Z -	
	195	108	7.52	3220	1.6	41	2KJ3504- ■ FN23- ■ ■ C1 -Z -	
	221	95	6.63	3180	1.7	41	2KJ3504- ■ FN23- ■ ■ B1 -Z -	
	255	82	5.75	3120	1.8	41	2KJ3504- ■ FN23- ■ ■ A1 -Z -	
	B.49-LE100ZLSA4P							
	39	530	37.18	7140	0.84	48	2KJ3503- ■ FN23- ■ ■ W1 -Z -	
	44	475	33.33	7130	0.94	48	2KJ3503- ■ FN23- ■ ■ V1 -Z -	
	49	430	30.05	7080	1	48	2KJ3503- ■ FN23- ■ ■ U1 -Z -	
	53	395	27.74	7050	1.1	48	2KJ3503- ■ FN23- ■ ■ T1 -Z -	
	58	360	25.32	6990	1.2	48	2KJ3503- ■ FN23- ■ ■ S1 -Z -	
	70	300	21.01	6820	1.5	48	2KJ3503- ■ FN23- ■ ■ R1 -Z -	
	74	280	19.77	6780	1.6	48	2KJ3503- ■ FN23- ■ ■ Q1 -Z -	
	78	265	18.67	6720	1.7	48	2KJ3503- ■ FN23- ■ ■ P1 -Z -	
	92	225	15.89	6540	2	48	2KJ3503- ■ FN23- ■ ■ N1 -Z -	
	108	195	13.61	6330	2.3	48	2KJ3503- ■ FN23- ■ ■ M1 -Z -	
	122	172	11.97	6170	2.6	48	2KJ3503- ■ FN23- ■ ■ L1 -Z -	
	145	145	10.10	5940	3.1	48	2KJ3503- ■ FN23- ■ ■ K1 -Z -	
	166	126	8.80	5760	3.6	48	2KJ3503- ■ FN23- ■ ■ J1 -Z -	
	177	119	8.29	5750	2.8	48	2KJ3503- ■ FN23- ■ ■ H1 -Z -	
	188	112	7.80	5660	3	48	2KJ3503- ■ FN23- ■ ■ G1 -Z -	
	199	106	7.37	5580	3.1	48	2KJ3503- ■ FN23- ■ ■ F1 -Z -	
	234	90	6.27	5350	3.7	48	2KJ3503- ■ FN23- ■ ■ E1 -Z -	
	273	77	5.37	5130	4.3	48	2KJ3503- ■ FN23- ■ ■ D1 -Z -	
	310	68	4.72	4950	4.9	48	2KJ3503- ■ FN23- ■ ■ C1 -Z -	
	B.39-LE100ZLSA4P							
	67	310	21.90	6230	0.8	41	2KJ3502- ■ FN23- ■ ■ Q1 -Z -	
	72	290	20.21	6160	0.86	41	2KJ3502- ■ FN23- ■ ■ P1 -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, C or D** [see page 10/42](#)

SIMOGEAR geared motors

Bevel geared motors

Geared motors up to 55 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
2.2	B.39-LE100ZLSA4P							
	82	255	17.90	6090	0.97	41	2KJ3502- ■ FN23- ■ ■ N1 -Z	–
	98	210	14.90	5960	1.2	41	2KJ3502- ■ FN23- ■ ■ M1 -Z	–
	104	200	14.02	5890	1.2	41	2KJ3502- ■ FN23- ■ ■ L1 -Z	–
	117	180	12.56	5780	1.4	41	2KJ3502- ■ FN23- ■ ■ K1 -Z	–
	137	153	10.69	5610	1.6	41	2KJ3502- ■ FN23- ■ ■ J1 -Z	–
	160	132	9.17	5430	1.7	41	2KJ3502- ■ FN23- ■ ■ H1 -Z	–
	186	113	7.89	5260	1.9	41	2KJ3502- ■ FN23- ■ ■ G1 -Z	–
	222	95	6.60	5120	2.1	41	2KJ3502- ■ FN23- ■ ■ F1 -Z	–
	236	89	6.21	5050	2.2	41	2KJ3502- ■ FN23- ■ ■ E1 -Z	–
	263	80	5.56	4900	2.5	41	2KJ3502- ■ FN23- ■ ■ D1 -Z	–
	309	68	4.74	4700	2.9	41	2KJ3502- ■ FN23- ■ ■ C1 -Z	–
	361	58	4.06	4510	3.4	41	2KJ3502- ■ FN23- ■ ■ B1 -Z	–
	419	50	3.50	4330	3.8	41	2KJ3502- ■ FN23- ■ ■ A1 -Z	–
	B.29-LE100ZLSA4P							
	154	136	9.51	3110	0.81	36	2KJ3501- ■ FN23- ■ ■ K1 -Z	–
	178	118	8.25	3080	0.93	36	2KJ3501- ■ FN23- ■ ■ J1 -Z	–
	225	93	6.51	2900	0.8	36	2KJ3501- ■ FN23- ■ ■ F1 -Z	–
	259	81	5.65	2850	0.93	36	2KJ3501- ■ FN23- ■ ■ E1 -Z	–
	289	73	5.07	2900	1	36	2KJ3501- ■ FN23- ■ ■ D1 -Z	–
	306	69	4.78	2860	1.1	36	2KJ3501- ■ FN23- ■ ■ C1 -Z	–
	348	60	4.21	2800	1.2	36	2KJ3501- ■ FN23- ■ ■ B1 -Z	–
	401	52	3.65	2720	1.4	36	2KJ3501- ■ FN23- ■ ■ A1 -Z	–
3	K.169-LE132SQB6P							
	4.4	6560	223.30	70000	2	451	2KJ3514- ■ HH23- ■ ■ F2 -Z	P01
	K.149-LE132SQB6P							
	4.1	6960	237.03	65000	1.1	281	2KJ3513- ■ HH23- ■ ■ J2 -Z	P01
	4.8	5960	202.86	65000	1.3	281	2KJ3513- ■ HH23- ■ ■ H2 -Z	P01
	5.1	5610	190.92	65000	1.4	281	2KJ3513- ■ HH23- ■ ■ G2 -Z	P01
	5.4	5250	178.97	65000	1.5	281	2KJ3513- ■ HH23- ■ ■ F2 -Z	P01
	K.149-LE100ZLSB4P							
	6.2	4650	237.03	65000	1.7	253	2KJ3513- ■ FP23- ■ ■ J2 -Z	–
	7.2	3980	202.86	65000	2	253	2KJ3513- ■ FP23- ■ ■ H2 -Z	–
	7.6	3740	190.92	65000	2.1	253	2KJ3513- ■ FP23- ■ ■ G2 -Z	–
	K.129-LE132SQB6P							
	5.9	4860	165.47	37100	0.9	198	2KJ3512- ■ HH23- ■ ■ F2 -Z	P01
	K.129-LE100ZLSB4P							
	6.4	4480	228.30	37500	0.98	170	2KJ3512- ■ FP23- ■ ■ J2 -Z	–
	6.9	4130	210.74	37900	1.1	170	2KJ3512- ■ FP23- ■ ■ H2 -Z	–
	7.5	3800	194.04	38200	1.2	170	2KJ3512- ■ FP23- ■ ■ G2 -Z	–
	8.8	3240	165.47	38700	1.4	170	2KJ3512- ■ FP23- ■ ■ F2 -Z	–
	9.4	3050	155.74	38900	1.4	170	2KJ3512- ■ FP23- ■ ■ E2 -Z	–
	10	2830	144.53	39100	1.6	170	2KJ3512- ■ FP23- ■ ■ D2 -Z	–
	11	2500	127.77	39400	1.8	170	2KJ3512- ■ FP23- ■ ■ C2 -Z	–
	13	2230	114.06	39700	2	170	2KJ3512- ■ FP23- ■ ■ B2 -Z	–
	14	2010	102.64	39900	2.2	170	2KJ3512- ■ FP23- ■ ■ A2 -Z	–
	K.109-LE100ZLSB4P							
	8.2	3480	177.43	24500	0.83	119	2KJ3511- ■ FP23- ■ ■ F2 -Z	–
	8.9	3210	163.78	24500	0.9	119	2KJ3511- ■ FP23- ■ ■ E2 -Z	–
	9.8	2920	148.88	24500	0.99	119	2KJ3511- ■ FP23- ■ ■ D2 -Z	–
	12	2320	118.65	24500	1.2	119	2KJ3511- ■ FP23- ■ ■ B2 -Z	–
	12	2470	126.07	24500	1.2	119	2KJ3511- ■ FP23- ■ ■ 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, C or D	see page 10/42

SIMOGEAR geared motors

Bevel geared motors

Geared motors up to 55 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
3	K.109-LE100ZLSB4P							
	13	2150	109.57	24500	1.3	119	2KJ3511- ■ FP23- ■ ■ A2 -Z -	
	15	1910	97.49	24500	1.5	119	2KJ3511- ■ FP23- ■ ■ X1 -Z -	
	17	1690	86.59	24500	1.7	119	2KJ3511- ■ FP23- ■ ■ W1 -Z -	
	19	1520	77.51	24500	1.9	119	2KJ3511- ■ FP23- ■ ■ V1 -Z -	
	22	1300	66.26	24500	2.2	119	2KJ3511- ■ FP23- ■ ■ U1 -Z -	
	K.89-LE100ZLSB4P							
	16	1840	94.16	18100	0.87	84	2KJ3510- ■ FP23- ■ ■ A2 -Z -	
	18	1610	82.25	18100	0.99	84	2KJ3510- ■ FP23- ■ ■ X1 -Z -	
	20	1440	73.64	18100	1.1	84	2KJ3510- ■ FP23- ■ ■ W1 -Z -	
	23	1260	64.39	18100	1.3	84	2KJ3510- ■ FP23- ■ ■ V1 -Z -	
	26	1080	55.27	18100	1.5	84	2KJ3510- ■ FP23- ■ ■ U1 -Z -	
	30	955	48.85	18100	1.7	84	2KJ3510- ■ FP23- ■ ■ T1 -Z -	
	35	815	41.54	18100	1.9	84	2KJ3510- ■ FP23- ■ ■ S1 -Z -	
	37	770	39.29	18100	2.1	84	2KJ3510- ■ FP23- ■ ■ R1 -Z -	
	44	645	32.96	18100	2.5	84	2KJ3510- ■ FP23- ■ ■ Q1 -Z -	
	47	605	31.03	18100	2.6	84	2KJ3510- ■ FP23- ■ ■ P1 -Z -	
	K.79-LE100ZLSB4P							
	30	965	49.31	13600	0.85	63	2KJ3508- ■ FP23- ■ ■ S1 -Z -	
	35	815	41.60	13900	0.98	63	2KJ3508- ■ FP23- ■ ■ R1 -Z -	
	40	710	36.26	14100	1.1	63	2KJ3508- ■ FP23- ■ ■ Q1 -Z -	
	45	640	32.78	14300	1.3	63	2KJ3508- ■ FP23- ■ ■ P1 -Z -	
	54	530	27.20	14400	1.5	63	2KJ3508- ■ FP23- ■ ■ N1 -Z -	
	57	500	25.60	14400	1.6	63	2KJ3508- ■ FP23- ■ ■ M1 -Z -	
	60	470	24.17	14400	1.6	63	2KJ3508- ■ FP23- ■ ■ L1 -Z -	
	71	400	20.57	14400	1.8	63	2KJ3508- ■ FP23- ■ ■ K1 -Z -	
	83	345	17.62	14400	2.1	63	2KJ3508- ■ FP23- ■ ■ J1 -Z -	
	94	300	15.49	14400	2.3	63	2KJ3508- ■ FP23- ■ ■ H1 -Z -	
	112	255	13.07	14400	2.6	63	2KJ3508- ■ FP23- ■ ■ G1 -Z -	
	128	220	11.39	14400	2.9	63	2KJ3508- ■ FP23- ■ ■ F1 -Z -	
	139	205	10.51	14000	2.2	63	2KJ3508- ■ FP23- ■ ■ E1 -Z -	
	162	177	9.01	13500	2.5	63	2KJ3508- ■ FP23- ■ ■ D1 -Z -	
	184	155	7.92	13100	2.9	63	2KJ3508- ■ FP23- ■ ■ C1 -Z -	
	219	131	6.68	12500	3.5	63	2KJ3508- ■ FP23- ■ ■ B1 -Z -	
	251	114	5.82	12100	3.8	63	2KJ3508- ■ FP23- ■ ■ A1 -Z -	
	K.69-LE100ZLSB4P							
	44	655	33.48	5940	0.88	57	2KJ3507- ■ FP23- ■ ■ Q1 -Z -	
	50	570	29.18	6070	0.97	57	2KJ3507- ■ FP23- ■ ■ P1 -Z -	
	56	510	26.05	6120	1.2	57	2KJ3507- ■ FP23- ■ ■ N1 -Z -	
	60	480	24.52	6140	1.2	57	2KJ3507- ■ FP23- ■ ■ M1 -Z -	
	63	450	23.15	6180	1.3	57	2KJ3507- ■ FP23- ■ ■ L1 -Z -	
	74	385	19.70	6150	1.4	57	2KJ3507- ■ FP23- ■ ■ K1 -Z -	
	86	330	16.88	6090	1.6	57	2KJ3507- ■ FP23- ■ ■ J1 -Z -	
	98	290	14.84	6020	1.8	57	2KJ3507- ■ FP23- ■ ■ H1 -Z -	
	117	245	12.52	5900	2	57	2KJ3507- ■ FP23- ■ ■ G1 -Z -	
	134	210	10.91	5800	2.2	57	2KJ3507- ■ FP23- ■ ■ F1 -Z -	
	156	183	9.34	5300	2	57	2KJ3507- ■ FP23- ■ ■ E1 -Z -	
	182	157	8.01	5180	2.3	57	2KJ3507- ■ FP23- ■ ■ D1 -Z -	
	207	138	7.04	5070	2.6	57	2KJ3507- ■ FP23- ■ ■ C1 -Z -	
	246	117	5.94	4910	3	57	2KJ3507- ■ FP23- ■ ■ B1 -Z -	
	282	102	5.18	4780	3.2	57	2KJ3507- ■ FP23- ■ ■ 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, C or D	see page 10/42

SIMOGEAR geared motors

Bevel geared motors

Geared motors up to 55 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
3	K.49-LE100ZLSB4P							
	56	515	26.30	3060	0.81	51	2KJ3505- ■ FP23- ■ ■ P1 -Z -	
	63	455	23.28	3250	0.92	51	2KJ3505- ■ FP23- ■ ■ N1 -Z -	
	75	380	19.38	3430	1.1	51	2KJ3505- ■ FP23- ■ ■ M1 -Z -	
	80	355	18.24	3500	1.2	51	2KJ3505- ■ FP23- ■ ■ L1 -Z -	
	89	320	16.34	3550	1.3	51	2KJ3505- ■ FP23- ■ ■ K1 -Z -	
	105	270	13.91	3620	1.5	51	2KJ3505- ■ FP23- ■ ■ J1 -Z -	
	122	230	11.93	3640	1.8	51	2KJ3505- ■ FP23- ■ ■ H1 -Z -	
	142	200	10.27	3610	2.1	51	2KJ3505- ■ FP23- ■ ■ G1 -Z -	
	150	191	9.75	3490	1.4	51	2KJ3505- ■ FP23- ■ ■ F1 -Z -	
	159	180	9.18	3480	1.5	51	2KJ3505- ■ FP23- ■ ■ E1 -Z -	
	178	161	8.22	3460	1.6	51	2KJ3505- ■ FP23- ■ ■ D1 -Z -	
	209	137	7.00	3410	1.7	51	2KJ3505- ■ FP23- ■ ■ C1 -Z -	
	243	118	6.00	3340	1.9	51	2KJ3505- ■ FP23- ■ ■ B1 -Z -	
	282	101	5.17	3270	2.1	51	2KJ3505- ■ FP23- ■ ■ A1 -Z -	
	K.39-LE100ZLSB4P							
	114	250	12.78	2940	0.88	41	2KJ3504- ■ FP23- ■ ■ H1 -Z -	
	132	215	11.09	3020	1	41	2KJ3504- ■ FP23- ■ ■ G1 -Z -	
	145	197	10.04	2740	0.93	41	2KJ3504- ■ FP23- ■ ■ F1 -Z -	
	166	173	8.81	2780	1.1	41	2KJ3504- ■ FP23- ■ ■ E1 -Z -	
	183	157	7.99	2810	1.1	41	2KJ3504- ■ FP23- ■ ■ D1 -Z -	
	194	148	7.52	2810	1.2	41	2KJ3504- ■ FP23- ■ ■ C1 -Z -	
	220	130	6.63	2820	1.2	41	2KJ3504- ■ FP23- ■ ■ B1 -Z -	
	254	113	5.75	2800	1.3	41	2KJ3504- ■ FP23- ■ ■ A1 -Z -	
	B.49-LE100ZLSB4P							
	53	540	27.74	6090	0.83	48	2KJ3503- ■ FP23- ■ ■ T1 -Z -	
	58	495	25.32	6100	0.91	48	2KJ3503- ■ FP23- ■ ■ S1 -Z -	
	69	410	21.01	6100	1.1	48	2KJ3503- ■ FP23- ■ ■ R1 -Z -	
	74	385	19.77	6090	1.2	48	2KJ3503- ■ FP23- ■ ■ Q1 -Z -	
	78	365	18.67	6060	1.2	48	2KJ3503- ■ FP23- ■ ■ P1 -Z -	
	92	310	15.89	5980	1.4	48	2KJ3503- ■ FP23- ■ ■ N1 -Z -	
	107	265	13.61	5880	1.7	48	2KJ3503- ■ FP23- ■ ■ M1 -Z -	
	122	235	11.97	5750	1.9	48	2KJ3503- ■ FP23- ■ ■ L1 -Z -	
	145	198	10.10	5600	2.3	48	2KJ3503- ■ FP23- ■ ■ K1 -Z -	
	166	173	8.80	5450	2.6	48	2KJ3503- ■ FP23- ■ ■ J1 -Z -	
	176	163	8.29	5490	2	48	2KJ3503- ■ FP23- ■ ■ H1 -Z -	
	187	153	7.80	5420	2.2	48	2KJ3503- ■ FP23- ■ ■ G1 -Z -	
	198	145	7.37	5350	2.3	48	2KJ3503- ■ FP23- ■ ■ F1 -Z -	
	233	123	6.27	5150	2.7	48	2KJ3503- ■ FP23- ■ ■ E1 -Z -	
	272	105	5.37	4970	3.1	48	2KJ3503- ■ FP23- ■ ■ D1 -Z -	
	309	93	4.72	4800	3.6	48	2KJ3503- ■ FP23- ■ ■ C1 -Z -	
	367	78	3.98	4600	4.2	48	2KJ3503- ■ FP23- ■ ■ B1 -Z -	
	421	68	3.47	4430	4.8	48	2KJ3503- ■ FP23- ■ ■ A1 -Z -	
	B.39-LE100ZLSB4P							
	98	290	14.90	5350	0.86	41	2KJ3502- ■ FP23- ■ ■ M1 -Z -	
	104	275	14.02	5320	0.91	41	2KJ3502- ■ FP23- ■ ■ L1 -Z -	
	116	245	12.56	5280	1	41	2KJ3502- ■ FP23- ■ ■ K1 -Z -	
	137	210	10.69	5180	1.1	41	2KJ3502- ■ FP23- ■ ■ J1 -Z -	
	159	180	9.17	5070	1.3	41	2KJ3502- ■ FP23- ■ ■ H1 -Z -	
	185	155	7.89	4950	1.4	41	2KJ3502- ■ FP23- ■ ■ G1 -Z -	
	221	130	6.60	4880	1.5	41	2KJ3502- ■ FP23- ■ ■ F1 -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, C or D	see page 10/42

SIMOGEAR geared motors

Bevel geared motors

Geared motors up to 55 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
3	B.39-LE100ZLSB4P							
	235	122	6.21	4820	1.6	41	2KJ3502- ■ FP23- ■ ■ E1 -Z	–
	263	109	5.56	4710	1.8	41	2KJ3502- ■ FP23- ■ ■ D1 -Z	–
	308	93	4.74	4530	2.2	41	2KJ3502- ■ FP23- ■ ■ C1 -Z	–
	360	80	4.06	4370	2.5	41	2KJ3502- ■ FP23- ■ ■ B1 -Z	–
	417	69	3.50	4200	2.8	41	2KJ3502- ■ FP23- ■ ■ A1 -Z	–
	B.29-LE100ZLSB4P							
	347	83	4.21	2600	0.9	36	2KJ3501- ■ FP23- ■ ■ B1 -Z	–
	400	72	3.65	2540	1	36	2KJ3501- ■ FP23- ■ ■ A1 -Z	–
4	K.169-LE132MJ6P							
	4.4	8740	223.30	70000	1.5	451	2KJ3514- ■ HK23- ■ ■ F2 -Z	P01
	4.7	8160	208.35	70000	1.6	451	2KJ3514- ■ HK23- ■ ■ E2 -Z	P01
	5.3	7250	185.23	70000	1.8	451	2KJ3514- ■ HK23- ■ ■ D2 -Z	P01
	5.9	6510	166.31	70000	2	451	2KJ3514- ■ HK23- ■ ■ C2 -Z	P01
	K.149-LE132MJ6P							
	4.1	9280	237.03	65000	0.86	281	2KJ3513- ■ HK23- ■ ■ J2 -Z	P01
	4.8	7940	202.86	65000	1	281	2KJ3513- ■ HK23- ■ ■ H2 -Z	P01
	5.1	7480	190.92	65000	1.1	281	2KJ3513- ■ HK23- ■ ■ G2 -Z	P01
	5.4	7010	178.97	65000	1.1	281	2KJ3513- ■ HK23- ■ ■ F2 -Z	P01
	K.149-LE112ZMKB4P							
	6.2	6200	237.03	65000	1.3	254	2KJ3513- ■ GJ23- ■ ■ J2 -Z	–
	7.2	5300	202.86	65000	1.5	254	2KJ3513- ■ GJ23- ■ ■ H2 -Z	–
	7.6	4990	190.92	65000	1.6	254	2KJ3513- ■ GJ23- ■ ■ G2 -Z	–
	8.2	4680	178.97	65000	1.7	254	2KJ3513- ■ GJ23- ■ ■ F2 -Z	–
	9.2	4150	158.65	65000	1.9	254	2KJ3513- ■ GJ23- ■ ■ E2 -Z	–
	10	3680	140.93	65000	2.2	254	2KJ3513- ■ GJ23- ■ ■ D2 -Z	–
	K.129-LE112ZMKB4P							
	6.9	5510	210.74	36500	0.8	170	2KJ3512- ■ GJ23- ■ ■ H2 -Z	–
	7.5	5070	194.04	36900	0.87	170	2KJ3512- ■ GJ23- ■ ■ G2 -Z	–
	8.8	4320	165.47	37700	1	170	2KJ3512- ■ GJ23- ■ ■ F2 -Z	–
	9.4	4070	155.74	37900	1.1	170	2KJ3512- ■ GJ23- ■ ■ E2 -Z	–
	10	3780	144.53	38200	1.2	170	2KJ3512- ■ GJ23- ■ ■ D2 -Z	–
	11	3340	127.77	38600	1.3	170	2KJ3512- ■ GJ23- ■ ■ C2 -Z	–
	13	2980	114.06	39000	1.5	170	2KJ3512- ■ GJ23- ■ ■ B2 -Z	–
	14	2680	102.64	39300	1.6	170	2KJ3512- ■ GJ23- ■ ■ A2 -Z	–
	16	2330	89.09	39600	1.9	170	2KJ3512- ■ GJ23- ■ ■ X1 -Z	–
	18	2090	80.12	39900	2.1	170	2KJ3512- ■ GJ23- ■ ■ W1 -Z	–
	21	1830	70.03	40000	2.4	170	2KJ3512- ■ GJ23- ■ ■ V1 -Z	–
	K.109-LE112ZMKB4P							
	12	3100	118.65	24500	0.93	120	2KJ3511- ■ GJ23- ■ ■ B2 -Z	–
	12	3290	126.07	24500	0.88	120	2KJ3511- ■ GJ23- ■ ■ C2 -Z	–
	13	2860	109.57	24500	1	120	2KJ3511- ■ GJ23- ■ ■ A2 -Z	–
	15	2550	97.49	24500	1.1	120	2KJ3511- ■ GJ23- ■ ■ X1 -Z	–
	17	2260	86.59	24500	1.3	120	2KJ3511- ■ GJ23- ■ ■ W1 -Z	–
	19	2020	77.51	24500	1.4	120	2KJ3511- ■ GJ23- ■ ■ V1 -Z	–
	22	1730	66.26	24500	1.7	120	2KJ3511- ■ GJ23- ■ ■ U1 -Z	–
	25	1540	59.17	24500	1.9	120	2KJ3511- ■ GJ23- ■ ■ T1 -Z	–
	28	1360	52.29	24500	2.1	120	2KJ3511- ■ GJ23- ■ ■ S1 -Z	–
	32	1200	45.89	24500	2.4	120	2KJ3511- ■ GJ23- ■ ■ R1 -Z	–
	K.89-LE112ZMKB4P							
	20	1920	73.64	18100	0.83	84	2KJ3510- ■ GJ23- ■ ■ W1 -Z	–
	23	1680	64.39	18100	0.95	84	2KJ3510- ■ GJ23- ■ ■ V1 -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, C or D** [see page 10/42](#)

SIMOGEAR geared motors

Bevel geared motors

Geared motors up to 55 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	K.89-LE112ZMKB4P							
	26	1440	55.27	18100	1.1	84	2KJ3510- ■ GJ23- ■ ■ U1 -Z -	
	30	1270	48.85	18100	1.3	84	2KJ3510- ■ GJ23- ■ ■ T1 -Z -	
	35	1080	41.54	18100	1.4	84	2KJ3510- ■ GJ23- ■ ■ S1 -Z -	
	37	1020	39.29	18100	1.6	84	2KJ3510- ■ GJ23- ■ ■ R1 -Z -	
	44	860	32.96	18100	1.9	84	2KJ3510- ■ GJ23- ■ ■ Q1 -Z -	
	47	810	31.03	18100	2	84	2KJ3510- ■ GJ23- ■ ■ P1 -Z -	
	51	745	28.46	18100	2.1	84	2KJ3510- ■ GJ23- ■ ■ N1 -Z -	
	59	650	24.86	18100	2.5	84	2KJ3510- ■ GJ23- ■ ■ M1 -Z -	
	66	580	22.26	18100	2.7	84	2KJ3510- ■ GJ23- ■ ■ L1 -Z -	
	75	505	19.46	18100	3.1	84	2KJ3510- ■ GJ23- ■ ■ K1 -Z -	
	139	275	10.51	18100	3.1	84	2KJ3510- ■ GJ23- ■ ■ E1 -Z -	
	162	235	9.02	18100	3.4	84	2KJ3510- ■ GJ23- ■ ■ D1 -Z -	
	183	205	7.97	18000	3.7	84	2KJ3510- ■ GJ23- ■ ■ C1 -Z -	
	215	177	6.78	17300	4.1	84	2KJ3510- ■ GJ23- ■ ■ B1 -Z -	
	251	152	5.81	16600	4.4	84	2KJ3510- ■ GJ23- ■ ■ A1 -Z -	
	K.79-LE112ZMKB4P							
	40	945	36.26	13700	0.81	64	2KJ3508- ■ GJ23- ■ ■ Q1 -Z -	
	45	855	32.78	13900	0.96	64	2KJ3508- ■ GJ23- ■ ■ P1 -Z -	
	54	710	27.20	14100	1.1	64	2KJ3508- ■ GJ23- ■ ■ N1 -Z -	
	57	670	25.60	14200	1.2	64	2KJ3508- ■ GJ23- ■ ■ M1 -Z -	
	60	630	24.17	14300	1.2	64	2KJ3508- ■ GJ23- ■ ■ L1 -Z -	
	71	535	20.57	14400	1.4	64	2KJ3508- ■ GJ23- ■ ■ K1 -Z -	
	83	460	17.62	14400	1.6	64	2KJ3508- ■ GJ23- ■ ■ J1 -Z -	
	94	405	15.49	14400	1.7	64	2KJ3508- ■ GJ23- ■ ■ H1 -Z -	
	112	340	13.07	14400	1.9	64	2KJ3508- ■ GJ23- ■ ■ G1 -Z -	
	128	295	11.39	14000	2.2	64	2KJ3508- ■ GJ23- ■ ■ F1 -Z -	
	139	275	10.51	13600	1.6	64	2KJ3508- ■ GJ23- ■ ■ E1 -Z -	
	162	235	9.01	13200	1.9	64	2KJ3508- ■ GJ23- ■ ■ D1 -Z -	
	184	205	7.92	12800	2.2	64	2KJ3508- ■ GJ23- ■ ■ C1 -Z -	
	219	175	6.68	12300	2.6	64	2KJ3508- ■ GJ23- ■ ■ B1 -Z -	
	251	152	5.82	11900	2.8	64	2KJ3508- ■ GJ23- ■ ■ A1 -Z -	
	K.69-LE112ZMKB4P							
	56	680	26.05	4910	0.88	58	2KJ3507- ■ GJ23- ■ ■ N1 -Z -	
	60	640	24.52	5000	0.93	58	2KJ3507- ■ GJ23- ■ ■ M1 -Z -	
	63	605	23.15	5070	0.97	58	2KJ3507- ■ GJ23- ■ ■ L1 -Z -	
	74	515	19.70	5220	1.1	58	2KJ3507- ■ GJ23- ■ ■ K1 -Z -	
	86	440	16.88	5310	1.2	58	2KJ3507- ■ GJ23- ■ ■ J1 -Z -	
	98	385	14.84	5350	1.3	58	2KJ3507- ■ GJ23- ■ ■ H1 -Z -	
	117	325	12.52	5330	1.5	58	2KJ3507- ■ GJ23- ■ ■ G1 -Z -	
	134	285	10.91	5270	1.6	58	2KJ3507- ■ GJ23- ■ ■ F1 -Z -	
	156	240	9.34	4790	1.5	58	2KJ3507- ■ GJ23- ■ ■ E1 -Z -	
	182	210	8.01	4710	1.7	58	2KJ3507- ■ GJ23- ■ ■ D1 -Z -	
	207	184	7.04	4660	2	58	2KJ3507- ■ GJ23- ■ ■ C1 -Z -	
	246	155	5.94	4570	2.2	58	2KJ3507- ■ GJ23- ■ ■ B1 -Z -	
	282	136	5.18	4480	2.4	58	2KJ3507- ■ GJ23- ■ ■ A1 -Z -	
	K.49-LE112ZMKB4P							
	75	505	19.38	2460	0.83	52	2KJ3505- ■ GJ23- ■ ■ M1 -Z -	
	80	475	18.24	2560	0.88	52	2KJ3505- ■ GJ23- ■ ■ L1 -Z -	
	89	425	16.34	2730	0.98	52	2KJ3505- ■ GJ23- ■ ■ K1 -Z -	
	105	360	13.91	2920	1.2	52	2KJ3505- ■ GJ23- ■ ■ J1 -Z -	
	122	310	11.93	3020	1.3	52	2KJ3505- ■ GJ23- ■ ■ 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, C or D	see page 10/42

SIMOGEAR geared motors

Bevel geared motors

Geared motors up to 55 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	K.49-LE112ZMKB4P							
	142	265	10.27	3110	1.5	52	2KJ3505- ■ GJ23- ■ ■ G1 -Z -	
	150	255	9.75	2960	1.1	52	2KJ3505- ■ GJ23- ■ ■ F1 -Z -	
	159	240	9.18	2980	1.1	52	2KJ3505- ■ GJ23- ■ ■ E1 -Z -	
	178	215	8.22	3010	1.2	52	2KJ3505- ■ GJ23- ■ ■ D1 -Z -	
	209	183	7.00	3030	1.3	52	2KJ3505- ■ GJ23- ■ ■ C1 -Z -	
	243	157	6.00	3020	1.4	52	2KJ3505- ■ GJ23- ■ ■ B1 -Z -	
	282	135	5.17	2990	1.6	52	2KJ3505- ■ GJ23- ■ ■ A1 -Z -	
	K.39-LE112ZMKB4P							
	183	205	7.99	2300	0.84	45	2KJ3504- ■ GJ23- ■ ■ D1 -Z -	
	194	197	7.52	2300	0.87	45	2KJ3504- ■ GJ23- ■ ■ C1 -Z -	
	220	173	6.63	2370	0.93	45	2KJ3504- ■ GJ23- ■ ■ B1 -Z -	
	254	150	5.75	2420	1	45	2KJ3504- ■ GJ23- ■ ■ A1 -Z -	
	B.49-LE112ZMKB4P							
	69	550	21.01	5170	0.82	49	2KJ3503- ■ GJ23- ■ ■ R1 -Z -	
	74	515	19.77	5230	0.87	49	2KJ3503- ■ GJ23- ■ ■ Q1 -Z -	
	78	485	18.67	5260	0.92	49	2KJ3503- ■ GJ23- ■ ■ P1 -Z -	
	92	415	15.89	5280	1.1	49	2KJ3503- ■ GJ23- ■ ■ N1 -Z -	
	107	355	13.61	5280	1.3	49	2KJ3503- ■ GJ23- ■ ■ M1 -Z -	
	122	310	11.97	5250	1.4	49	2KJ3503- ■ GJ23- ■ ■ L1 -Z -	
	145	260	10.10	5180	1.7	49	2KJ3503- ■ GJ23- ■ ■ K1 -Z -	
	166	230	8.80	5070	2	49	2KJ3503- ■ GJ23- ■ ■ J1 -Z -	
	176	215	8.29	5170	1.5	49	2KJ3503- ■ GJ23- ■ ■ H1 -Z -	
	187	200	7.80	5130	1.6	49	2KJ3503- ■ GJ23- ■ ■ G1 -Z -	
	198	193	7.37	5050	1.7	49	2KJ3503- ■ GJ23- ■ ■ F1 -Z -	
	233	164	6.27	4900	2	49	2KJ3503- ■ GJ23- ■ ■ E1 -Z -	
	272	141	5.37	4750	2.3	49	2KJ3503- ■ GJ23- ■ ■ D1 -Z -	
	309	123	4.72	4620	2.7	49	2KJ3503- ■ GJ23- ■ ■ C1 -Z -	
	367	104	3.98	4440	3.2	49	2KJ3503- ■ GJ23- ■ ■ B1 -Z -	
	421	91	3.47	4290	3.6	49	2KJ3503- ■ GJ23- ■ ■ A1 -Z -	
	B.39-LE112ZMKB4P							
	137	280	10.69	4640	0.86	44	2KJ3502- ■ GJ23- ■ ■ J1 -Z -	
	159	240	9.17	4600	0.96	44	2KJ3502- ■ GJ23- ■ ■ H1 -Z -	
	185	205	7.89	4560	1.1	44	2KJ3502- ■ GJ23- ■ ■ G1 -Z -	
	221	173	6.60	4580	1.2	44	2KJ3502- ■ GJ23- ■ ■ F1 -Z -	
	235	162	6.21	4550	1.2	44	2KJ3502- ■ GJ23- ■ ■ E1 -Z -	
	263	145	5.56	4460	1.4	44	2KJ3502- ■ GJ23- ■ ■ D1 -Z -	
	308	124	4.74	4320	1.6	44	2KJ3502- ■ GJ23- ■ ■ C1 -Z -	
	360	106	4.06	4180	1.9	44	2KJ3502- ■ GJ23- ■ ■ B1 -Z -	
	417	92	3.50	4040	2.1	44	2KJ3502- ■ GJ23- ■ ■ A1 -Z -	
5.5	K.189-LE132ZMS6P							
	4.9	10700	199.51	104000	1.8	683	2KJ3515- ■ HL23- ■ ■ W1 -Z	P01
	5.5	9610	178.49	104000	2	683	2KJ3515- ■ HL23- ■ ■ V1 -Z	P01
	K.169-LE132ZMS6P							
	4.4	12000	223.30	70000	1.1	453	2KJ3514- ■ HL23- ■ ■ F2 -Z	P01
	4.7	11200	208.35	70000	1.2	453	2KJ3514- ■ HL23- ■ ■ E2 -Z	P01
	5.3	9970	185.23	70000	1.3	453	2KJ3514- ■ HL23- ■ ■ D2 -Z	P01
	5.9	8950	166.31	70000	1.5	453	2KJ3514- ■ HL23- ■ ■ C2 -Z	P01
	K.169-LE132ZST4P							
	6.6	7970	223.30	70000	1.6	453	2KJ3514- ■ HJ23- ■ ■ F2 -Z	-
	7.1	7440	208.35	70000	1.7	453	2KJ3514- ■ HJ23- ■ ■ E2 -Z	-
	7.9	6610	185.23	70000	2	453	2KJ3514- ■ HJ23- ■ ■ D2 -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, C or D** [see page 10/42](#)

SIMOGEAR geared motors

Bevel geared motors

Geared motors up to 55 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
5.5	K.149-LE132ZMS6P							
	5.4	9640	178.97	65000	0.83	283	2KJ3513- ■ HL23- ■ ■ F2 -Z	P01
	K.149-LE132ZST4P							
	6.2	8460	237.03	65000	0.94	283	2KJ3513- ■ HJ23- ■ ■ J2 -Z	–
	7.2	7240	202.86	65000	1.1	283	2KJ3513- ■ HJ23- ■ ■ H2 -Z	–
	7.7	6820	190.92	65000	1.2	283	2KJ3513- ■ HJ23- ■ ■ G2 -Z	–
	8.2	6390	178.97	65000	1.3	283	2KJ3513- ■ HJ23- ■ ■ F2 -Z	–
	9.3	5660	158.65	65000	1.4	283	2KJ3513- ■ HJ23- ■ ■ E2 -Z	–
	10	5030	140.93	65000	1.6	283	2KJ3513- ■ HJ23- ■ ■ D2 -Z	–
	12	4540	127.16	65000	1.8	283	2KJ3513- ■ HJ23- ■ ■ C2 -Z	–
	13	4020	112.68	65000	2	283	2KJ3513- ■ HJ23- ■ ■ B2 -Z	–
	15	3560	99.79	65000	2.2	283	2KJ3513- ■ HJ23- ■ ■ A2 -Z	–
	K.129-LE132ZST4P							
	10	5160	144.53	36900	0.85	200	2KJ3512- ■ HJ23- ■ ■ D2 -Z	–
	12	4560	127.77	37400	0.96	200	2KJ3512- ■ HJ23- ■ ■ C2 -Z	–
	13	4070	114.06	37900	1.1	200	2KJ3512- ■ HJ23- ■ ■ B2 -Z	–
	14	3660	102.64	38300	1.2	200	2KJ3512- ■ HJ23- ■ ■ A2 -Z	–
	17	3180	89.09	38800	1.4	200	2KJ3512- ■ HJ23- ■ ■ X1 -Z	–
	18	2860	80.12	39100	1.5	200	2KJ3512- ■ HJ23- ■ ■ W1 -Z	–
	21	2500	70.03	39400	1.8	200	2KJ3512- ■ HJ23- ■ ■ V1 -Z	–
	24	2230	62.49	39700	2	200	2KJ3512- ■ HJ23- ■ ■ U1 -Z	–
	27	1960	55.05	40000	2.2	200	2KJ3512- ■ HJ23- ■ ■ T1 -Z	–
	K.109-LE132ZST4P							
	15	3480	97.49	24500	0.83	151	2KJ3511- ■ HJ23- ■ ■ X1 -Z	–
	17	3090	86.59	24500	0.94	151	2KJ3511- ■ HJ23- ■ ■ W1 -Z	–
	19	2770	77.51	24500	1	151	2KJ3511- ■ HJ23- ■ ■ V1 -Z	–
	22	2360	66.26	24500	1.2	151	2KJ3511- ■ HJ23- ■ ■ U1 -Z	–
	25	2110	59.17	24500	1.4	151	2KJ3511- ■ HJ23- ■ ■ T1 -Z	–
	28	1860	52.29	24500	1.6	151	2KJ3511- ■ HJ23- ■ ■ S1 -Z	–
	32	1640	45.89	24500	1.8	151	2KJ3511- ■ HJ23- ■ ■ R1 -Z	–
	37	1420	39.95	24500	2	151	2KJ3511- ■ HJ23- ■ ■ Q1 -Z	–
	43	1220	34.15	24500	2.2	151	2KJ3511- ■ HJ23- ■ ■ P1 -Z	–
	50	1040	29.23	24500	2.5	151	2KJ3511- ■ HJ23- ■ ■ N1 -Z	–
	59	890	24.98	24500	2.7	151	2KJ3511- ■ HJ23- ■ ■ M1 -Z	–
	66	795	22.31	24500	3	151	2KJ3511- ■ HJ23- ■ ■ L1 -Z	–
	141	370	10.45	21400	3.4	151	2KJ3511- ■ HJ23- ■ ■ E1 -Z	–
	160	325	9.17	20700	3.9	151	2KJ3511- ■ HJ23- ■ ■ D1 -Z	–
	K.89-LE132ZST4P							
	27	1970	55.27	18100	0.81	115	2KJ3510- ■ HJ23- ■ ■ U1 -Z	–
	30	1740	48.85	18100	0.92	115	2KJ3510- ■ HJ23- ■ ■ T1 -Z	–
	35	1480	41.54	18100	1.1	115	2KJ3510- ■ HJ23- ■ ■ S1 -Z	–
	37	1400	39.29	18100	1.1	115	2KJ3510- ■ HJ23- ■ ■ R1 -Z	–
	45	1170	32.96	18100	1.4	115	2KJ3510- ■ HJ23- ■ ■ Q1 -Z	–
	47	1100	31.03	18100	1.4	115	2KJ3510- ■ HJ23- ■ ■ P1 -Z	–
	52	1010	28.46	18100	1.6	115	2KJ3510- ■ HJ23- ■ ■ N1 -Z	–
	59	885	24.86	18100	1.8	115	2KJ3510- ■ HJ23- ■ ■ M1 -Z	–
	66	795	22.26	18100	2	115	2KJ3510- ■ HJ23- ■ ■ L1 -Z	–
	76	695	19.46	18100	2.2	115	2KJ3510- ■ HJ23- ■ ■ K1 -Z	–
	88	595	16.71	18100	2.5	115	2KJ3510- ■ HJ23- ■ ■ J1 -Z	–
	100	525	14.77	18100	2.7	115	2KJ3510- ■ HJ23- ■ ■ H1 -Z	–
	117	445	12.56	18100	3	115	2KJ3510- ■ HJ23- ■ ■ G1 -Z	–
	137	380	10.76	18100	3.3	115	2KJ3510- ■ HJ23- ■ ■ F1 -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, C or D	see page 10/42

SIMOGEAR geared motors

Bevel geared motors

Geared motors up to 55 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
5.5	K.89-LE132ZST4P							
	140	375	10.51	18100	2.3	115	2KJ3510- ■ HJ23- ■ ■ E1 -Z	–
	163	320	9.02	18000	2.5	115	2KJ3510- ■ HJ23- ■ ■ D1 -Z	–
	184	285	7.97	17500	2.7	115	2KJ3510- ■ HJ23- ■ ■ C1 -Z	–
	217	240	6.78	16900	3	115	2KJ3510- ■ HJ23- ■ ■ B1 -Z	–
	253	205	5.81	16200	3.3	115	2KJ3510- ■ HJ23- ■ ■ A1 -Z	–
	K.79-LE132ZST4P							
	54	970	27.20	13600	0.82	94	2KJ3508- ■ HJ23- ■ ■ N1 -Z	–
	57	915	25.60	13700	0.86	94	2KJ3508- ■ HJ23- ■ ■ M1 -Z	–
	61	860	24.17	13800	0.89	94	2KJ3508- ■ HJ23- ■ ■ L1 -Z	–
	71	735	20.57	14100	1	94	2KJ3508- ■ HJ23- ■ ■ K1 -Z	–
	83	630	17.62	14200	1.1	94	2KJ3508- ■ HJ23- ■ ■ J1 -Z	–
	95	550	15.49	14000	1.3	94	2KJ3508- ■ HJ23- ■ ■ H1 -Z	–
	112	465	13.07	13600	1.4	94	2KJ3508- ■ HJ23- ■ ■ G1 -Z	–
	129	405	11.39	13300	1.6	94	2KJ3508- ■ HJ23- ■ ■ F1 -Z	–
	K.69-LE132ZST4P							
	87	600	16.88	4150	0.88	88	2KJ3507- ■ HJ23- ■ ■ J1 -Z	–
	99	530	14.84	4290	0.97	88	2KJ3507- ■ HJ23- ■ ■ H1 -Z	–
	117	445	12.52	4450	1.1	88	2KJ3507- ■ HJ23- ■ ■ G1 -Z	–
	135	390	10.91	4500	1.2	88	2KJ3507- ■ HJ23- ■ ■ F1 -Z	–
	157	330	9.34	3970	1.1	88	2KJ3507- ■ HJ23- ■ ■ E1 -Z	–
	184	285	8.01	4020	1.3	88	2KJ3507- ■ HJ23- ■ ■ D1 -Z	–
	209	250	7.04	4060	1.5	88	2KJ3507- ■ HJ23- ■ ■ C1 -Z	–
	247	210	5.94	4070	1.6	88	2KJ3507- ■ HJ23- ■ ■ B1 -Z	–
	284	185	5.18	4030	1.8	88	2KJ3507- ■ HJ23- ■ ■ A1 -Z	–
	K.49-LE132ZST4P							
	106	495	13.91	1850	0.85	82	2KJ3505- ■ HJ23- ■ ■ J1 -Z	–
	123	425	11.93	2110	0.99	82	2KJ3505- ■ HJ23- ■ ■ H1 -Z	–
	143	365	10.27	2320	1.1	82	2KJ3505- ■ HJ23- ■ ■ G1 -Z	–
	160	325	9.18	2260	0.82	82	2KJ3505- ■ HJ23- ■ ■ E1 -Z	–
	179	290	8.22	2380	0.87	82	2KJ3505- ■ HJ23- ■ ■ D1 -Z	–
	210	250	7.00	2460	0.96	82	2KJ3505- ■ HJ23- ■ ■ C1 -Z	–
	245	210	6.00	2560	1	82	2KJ3505- ■ HJ23- ■ ■ B1 -Z	–
	284	185	5.17	2560	1.1	82	2KJ3505- ■ HJ23- ■ ■ A1 -Z	–
	B.49-LE132ZST4P							
	108	485	13.61	4390	0.93	79	2KJ3503- ■ HJ23- ■ ■ M1 -Z	–
	123	425	11.97	4470	1.1	79	2KJ3503- ■ HJ23- ■ ■ L1 -Z	–
	146	360	10.10	4500	1.2	79	2KJ3503- ■ HJ23- ■ ■ K1 -Z	–
	167	310	8.80	4530	1.4	79	2KJ3503- ■ HJ23- ■ ■ J1 -Z	–
	177	295	8.29	4670	1.1	79	2KJ3503- ■ HJ23- ■ ■ H1 -Z	–
	188	275	7.80	4660	1.2	79	2KJ3503- ■ HJ23- ■ ■ G1 -Z	–
	199	260	7.37	4640	1.3	79	2KJ3503- ■ HJ23- ■ ■ F1 -Z	–
	234	220	6.27	4550	1.5	79	2KJ3503- ■ HJ23- ■ ■ E1 -Z	–
	274	192	5.37	4430	1.7	79	2KJ3503- ■ HJ23- ■ ■ D1 -Z	–
	311	169	4.72	4330	2	79	2KJ3503- ■ HJ23- ■ ■ C1 -Z	–
	369	142	3.98	4200	2.3	79	2KJ3503- ■ HJ23- ■ ■ B1 -Z	–
	424	124	3.47	4080	2.6	79	2KJ3503- ■ HJ23- ■ ■ 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, C or D** [see page 10/42](#)

SIMOGEAR geared motors

Bevel geared motors

Geared motors up to 55 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	K.189-LE132ZMS4P							
	7.3	9750	199.51	104000	2	683	2KJ3515- ■ HL23- ■ ■ W1 -Z -	
	K.169-LE132ZMS4P							
	6.6	10900	223.30	70000	1.2	453	2KJ3514- ■ HL23- ■ ■ F2 -Z -	
	7	10100	208.35	70000	1.3	453	2KJ3514- ■ HL23- ■ ■ E2 -Z -	
	7.9	9050	185.23	70000	1.4	453	2KJ3514- ■ HL23- ■ ■ D2 -Z -	
	8.8	8130	166.31	70000	1.6	453	2KJ3514- ■ HL23- ■ ■ C2 -Z -	
	9.7	7360	150.55	70000	1.8	453	2KJ3514- ■ HL23- ■ ■ B2 -Z -	
	11	6460	132.24	70000	2	453	2KJ3514- ■ HL23- ■ ■ A2 -Z -	
	12	5850	119.83	70000	2.2	453	2KJ3514- ■ HL23- ■ ■ X1 -Z -	
	K.149-LE132ZMS4P							
	7.2	9910	202.86	65000	0.81	283	2KJ3513- ■ HL23- ■ ■ H2 -Z -	
	7.7	9330	190.92	65000	0.86	283	2KJ3513- ■ HL23- ■ ■ G2 -Z -	
	8.2	8750	178.97	65000	0.91	283	2KJ3513- ■ HL23- ■ ■ F2 -Z -	
	9.2	7750	158.65	65000	1	283	2KJ3513- ■ HL23- ■ ■ E2 -Z -	
	10	6890	140.93	65000	1.2	283	2KJ3513- ■ HL23- ■ ■ D2 -Z -	
	12	6210	127.16	65000	1.3	283	2KJ3513- ■ HL23- ■ ■ C2 -Z -	
	13	5500	112.68	65000	1.5	283	2KJ3513- ■ HL23- ■ ■ B2 -Z -	
	15	4870	99.79	64100	1.6	283	2KJ3513- ■ HL23- ■ ■ A2 -Z -	
	16	4340	88.81	62900	1.8	283	2KJ3513- ■ HL23- ■ ■ X1 -Z -	
	18	3890	79.59	61700	2.1	283	2KJ3513- ■ HL23- ■ ■ W1 -Z -	
	21	3450	70.56	60400	2.3	283	2KJ3513- ■ HL23- ■ ■ V1 -Z -	
	K.129-LE132ZMS4P							
	14	5010	102.64	37000	0.88	200	2KJ3512- ■ HL23- ■ ■ A2 -Z -	
	16	4350	89.09	37600	1	200	2KJ3512- ■ HL23- ■ ■ X1 -Z -	
	18	3910	80.12	38100	1.1	200	2KJ3512- ■ HL23- ■ ■ W1 -Z -	
	21	3420	70.03	38600	1.3	200	2KJ3512- ■ HL23- ■ ■ V1 -Z -	
	23	3050	62.49	38900	1.4	200	2KJ3512- ■ HL23- ■ ■ U1 -Z -	
	27	2690	55.05	39300	1.6	200	2KJ3512- ■ HL23- ■ ■ T1 -Z -	
	30	2350	48.24	39300	1.9	200	2KJ3512- ■ HL23- ■ ■ S1 -Z -	
	35	2050	42.04	38400	2.1	200	2KJ3512- ■ HL23- ■ ■ R1 -Z -	
	38	1870	38.37	37700	2.3	200	2KJ3512- ■ HL23- ■ ■ Q1 -Z -	
	44	1610	33.03	36700	2.7	200	2KJ3512- ■ HL23- ■ ■ P1 -Z -	
	K.109-LE132ZMS4P							
	22	3240	66.26	24500	0.9	151	2KJ3511- ■ HL23- ■ ■ U1 -Z -	
	25	2890	59.17	24500	1	151	2KJ3511- ■ HL23- ■ ■ T1 -Z -	
	28	2550	52.29	24500	1.1	151	2KJ3511- ■ HL23- ■ ■ S1 -Z -	
	32	2240	45.89	24500	1.3	151	2KJ3511- ■ HL23- ■ ■ R1 -Z -	
	37	1950	39.95	24500	1.4	151	2KJ3511- ■ HL23- ■ ■ Q1 -Z -	
	43	1670	34.15	24500	1.6	151	2KJ3511- ■ HL23- ■ ■ P1 -Z -	
	50	1420	29.23	24500	1.8	151	2KJ3511- ■ HL23- ■ ■ N1 -Z -	
	59	1220	24.98	24500	1.9	151	2KJ3511- ■ HL23- ■ ■ M1 -Z -	
	66	1090	22.31	24500	2.2	151	2KJ3511- ■ HL23- ■ ■ L1 -Z -	
	74	960	19.71	24200	2.5	151	2KJ3511- ■ HL23- ■ ■ K1 -Z -	
	85	845	17.30	23600	2.8	151	2KJ3511- ■ HL23- ■ ■ J1 -Z -	
	97	735	15.06	22900	3.1	151	2KJ3511- ■ HL23- ■ ■ H1 -Z -	
	114	625	12.87	22100	3.5	151	2KJ3511- ■ HL23- ■ ■ G1 -Z -	
	140	510	10.45	20800	2.5	151	2KJ3511- ■ HL23- ■ ■ E1 -Z -	
	160	445	9.17	20200	2.8	151	2KJ3511- ■ HL23- ■ ■ D1 -Z -	
	183	390	7.99	19500	3.3	151	2KJ3511- ■ HL23- ■ ■ C1 -Z -	
	214	330	6.83	18800	3.9	151	2KJ3511- ■ HL23- ■ ■ B1 -Z -	
	251	285	5.84	18100	4.6	151	2KJ3511- ■ 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, C or D	see page 10/42

SIMOGEAR geared motors

Bevel geared motors

Geared motors up to 55 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	K.89-LE132ZMS4P							
	37	1920	39.29	18100	0.83	115	2KJ3510- ■ HL23- ■ ■ R1 -Z	–
	44	1610	32.96	18100	0.99	115	2KJ3510- ■ HL23- ■ ■ Q1 -Z	–
	47	1510	31.03	18100	1.1	115	2KJ3510- ■ HL23- ■ ■ P1 -Z	–
	51	1390	28.46	18100	1.1	115	2KJ3510- ■ HL23- ■ ■ N1 -Z	–
	59	1210	24.86	18100	1.3	115	2KJ3510- ■ HL23- ■ ■ M1 -Z	–
	66	1080	22.26	18100	1.5	115	2KJ3510- ■ HL23- ■ ■ L1 -Z	–
	75	950	19.46	18100	1.6	115	2KJ3510- ■ HL23- ■ ■ K1 -Z	–
	88	815	16.71	18100	1.8	115	2KJ3510- ■ HL23- ■ ■ J1 -Z	–
	99	720	14.77	18100	2	115	2KJ3510- ■ HL23- ■ ■ H1 -Z	–
	117	610	12.56	18100	2.2	115	2KJ3510- ■ HL23- ■ ■ G1 -Z	–
	136	525	10.76	18100	2.4	115	2KJ3510- ■ HL23- ■ ■ F1 -Z	–
	139	510	10.51	17900	1.6	115	2KJ3510- ■ HL23- ■ ■ E1 -Z	–
	162	440	9.02	17400	1.8	115	2KJ3510- ■ HL23- ■ ■ D1 -Z	–
	184	390	7.97	16900	2	115	2KJ3510- ■ HL23- ■ ■ C1 -Z	–
	216	330	6.78	16400	2.2	115	2KJ3510- ■ HL23- ■ ■ B1 -Z	–
	252	280	5.81	15800	2.4	115	2KJ3510- ■ HL23- ■ ■ A1 -Z	–
	K.79-LE132ZMS4P							
	83	860	17.62	12900	0.83	94	2KJ3508- ■ HL23- ■ ■ J1 -Z	–
	95	755	15.49	12900	0.92	94	2KJ3508- ■ HL23- ■ ■ H1 -Z	–
	112	635	13.07	12700	1	94	2KJ3508- ■ HL23- ■ ■ G1 -Z	–
	129	555	11.39	12500	1.2	94	2KJ3508- ■ HL23- ■ ■ F1 -Z	–
	139	510	10.51	12100	0.87	94	2KJ3508- ■ HL23- ■ ■ E1 -Z	–
	163	440	9.01	11900	1	94	2KJ3508- ■ HL23- ■ ■ D1 -Z	–
	185	385	7.92	11700	1.2	94	2KJ3508- ■ HL23- ■ ■ C1 -Z	–
	219	325	6.68	11300	1.4	94	2KJ3508- ■ HL23- ■ ■ B1 -Z	–
	252	285	5.82	11000	1.5	94	2KJ3508- ■ HL23- ■ ■ A1 -Z	–
	K.69-LE132ZMS4P							
	117	610	12.52	3290	0.8	88	2KJ3507- ■ HL23- ■ ■ G1 -Z	–
	134	530	10.91	3520	0.88	88	2KJ3507- ■ HL23- ■ ■ F1 -Z	–
	157	455	9.34	2860	0.81	88	2KJ3507- ■ HL23- ■ ■ E1 -Z	–
	183	390	8.01	3090	0.93	88	2KJ3507- ■ HL23- ■ ■ D1 -Z	–
	208	340	7.04	3260	1.1	88	2KJ3507- ■ HL23- ■ ■ C1 -Z	–
	247	290	5.94	3360	1.2	88	2KJ3507- ■ HL23- ■ ■ B1 -Z	–
	283	250	5.18	3450	1.3	88	2KJ3507- ■ HL23- ■ ■ A1 -Z	–
	K.49-LE132ZMS4P							
	143	500	10.27	1270	0.83	82	2KJ3505- ■ HL23- ■ ■ G1 -Z	–
	283	250	5.17	2030	0.83	82	2KJ3505- ■ HL23- ■ ■ A1 -Z	–
	B.49-LE132ZMS4P							
	145	490	10.10	3650	0.91	79	2KJ3503- ■ HL23- ■ ■ K1 -Z	–
	166	430	8.80	3740	1	79	2KJ3503- ■ HL23- ■ ■ J1 -Z	–
	177	405	8.29	4010	0.81	79	2KJ3503- ■ HL23- ■ ■ H1 -Z	–
	188	380	7.80	4030	0.87	79	2KJ3503- ■ HL23- ■ ■ G1 -Z	–
	199	360	7.37	4040	0.92	79	2KJ3503- ■ HL23- ■ ■ F1 -Z	–
	234	305	6.27	4040	1.1	79	2KJ3503- ■ HL23- ■ ■ E1 -Z	–
	273	260	5.37	4020	1.3	79	2KJ3503- ■ HL23- ■ ■ D1 -Z	–
	310	230	4.72	3970	1.4	79	2KJ3503- ■ HL23- ■ ■ C1 -Z	–
	368	195	3.98	3880	1.7	79	2KJ3503- ■ HL23- ■ ■ B1 -Z	–
	422	170	3.47	3810	1.9	79	2KJ3503- ■ HL23- ■ ■ A1 -Z	–
9.2	K.189-LE160MPA4P							
	7.4	11800	199.51	104000	1.6	700	2KJ3515- ■ JQ23- ■ ■ W1 -Z	–
	8.3	10500	178.49	104000	1.8	700	2KJ3515- ■ JQ23- ■ ■ V1 -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, C or D** [see page 10/42](#)

SIMOGEAR geared motors

Bevel geared motors

Geared motors up to 55 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
9.2	K.189-LE160MPA4P							
	9.2	9550	160.98	104000	2	700	2KJ3515- ■ JQ23- ■ ■ U1 -Z -	
	K.169-LE160MPA4P							
	6.6	13200	223.30	70000	0.98	469	2KJ3514- ■ JQ23- ■ ■ F2 -Z -	
	7.1	12300	208.35	70000	1.1	469	2KJ3514- ■ JQ23- ■ ■ E2 -Z -	
	8	10900	185.23	70000	1.2	469	2KJ3514- ■ JQ23- ■ ■ D2 -Z -	
	8.9	9870	166.31	70000	1.3	469	2KJ3514- ■ JQ23- ■ ■ C2 -Z -	
	9.8	8930	150.55	70000	1.5	469	2KJ3514- ■ JQ23- ■ ■ B2 -Z -	
	11	7850	132.24	70000	1.7	469	2KJ3514- ■ JQ23- ■ ■ A2 -Z -	
	12	7110	119.83	70000	1.8	469	2KJ3514- ■ JQ23- ■ ■ X1 -Z -	
	14	6330	106.72	70000	2.1	469	2KJ3514- ■ JQ23- ■ ■ W1 -Z -	
	K.149-LE160MPA4P							
	9.3	9410	158.65	62700	0.85	301	2KJ3513- ■ JQ23- ■ ■ E2 -Z -	
	11	8360	140.93	62600	0.96	301	2KJ3513- ■ JQ23- ■ ■ D2 -Z -	
	12	7540	127.16	62200	1.1	301	2KJ3513- ■ JQ23- ■ ■ C2 -Z -	
	13	6680	112.68	61700	1.2	301	2KJ3513- ■ JQ23- ■ ■ B2 -Z -	
	15	5920	99.79	60900	1.4	301	2KJ3513- ■ JQ23- ■ ■ A2 -Z -	
	17	5270	88.81	60100	1.5	301	2KJ3513- ■ JQ23- ■ ■ X1 -Z -	
	19	4720	79.59	59200	1.7	301	2KJ3513- ■ JQ23- ■ ■ W1 -Z -	
	21	4180	70.56	58100	1.9	301	2KJ3513- ■ JQ23- ■ ■ V1 -Z -	
	24	3690	62.28	56900	2.2	301	2KJ3513- ■ JQ23- ■ ■ U1 -Z -	
	27	3250	54.76	55600	2.5	301	2KJ3513- ■ JQ23- ■ ■ T1 -Z -	
	K.129-LE160MPA4P							
	17	5280	89.09	36700	0.83	218	2KJ3512- ■ JQ23- ■ ■ X1 -Z -	
	18	4750	80.12	37300	0.93	218	2KJ3512- ■ JQ23- ■ ■ W1 -Z -	
	21	4150	70.03	37800	1.1	218	2KJ3512- ■ JQ23- ■ ■ V1 -Z -	
	24	3710	62.49	38300	1.2	218	2KJ3512- ■ JQ23- ■ ■ U1 -Z -	
	27	3260	55.05	37900	1.3	218	2KJ3512- ■ JQ23- ■ ■ T1 -Z -	
	31	2860	48.24	37400	1.5	218	2KJ3512- ■ JQ23- ■ ■ S1 -Z -	
	35	2490	42.04	36700	1.8	218	2KJ3512- ■ JQ23- ■ ■ R1 -Z -	
	39	2270	38.37	36200	1.9	218	2KJ3512- ■ JQ23- ■ ■ Q1 -Z -	
	45	1960	33.03	35400	2.2	218	2KJ3512- ■ JQ23- ■ ■ P1 -Z -	
	47	1870	31.55	35100	2.3	218	2KJ3512- ■ JQ23- ■ ■ N1 -Z -	
	54	1630	27.58	34300	2.7	218	2KJ3512- ■ JQ23- ■ ■ M1 -Z -	
	60	1460	24.61	33500	3	218	2KJ3512- ■ JQ23- ■ ■ L1 -Z -	
	K.109-LE160MPA4P							
	25	3510	59.17	24500	0.83	170	2KJ3511- ■ JQ23- ■ ■ T1 -Z -	
	28	3100	52.29	24500	0.93	170	2KJ3511- ■ JQ23- ■ ■ S1 -Z -	
	32	2720	45.89	24500	1.1	170	2KJ3511- ■ JQ23- ■ ■ R1 -Z -	
	37	2370	39.95	24500	1.2	170	2KJ3511- ■ JQ23- ■ ■ Q1 -Z -	
	43	2020	34.15	24500	1.3	170	2KJ3511- ■ JQ23- ■ ■ P1 -Z -	
	51	1730	29.23	24500	1.5	170	2KJ3511- ■ JQ23- ■ ■ N1 -Z -	
	59	1480	24.98	24200	1.6	170	2KJ3511- ■ JQ23- ■ ■ M1 -Z -	
	66	1320	22.31	23800	1.8	170	2KJ3511- ■ JQ23- ■ ■ L1 -Z -	
	75	1170	19.71	23300	2	170	2KJ3511- ■ JQ23- ■ ■ K1 -Z -	
	86	1020	17.30	22800	2.3	170	2KJ3511- ■ JQ23- ■ ■ J1 -Z -	
	98	890	15.06	22200	2.6	170	2KJ3511- ■ JQ23- ■ ■ H1 -Z -	
	115	760	12.87	21600	2.9	170	2KJ3511- ■ JQ23- ■ ■ G1 -Z -	
	134	650	11.02	20900	3.2	170	2KJ3511- ■ JQ23- ■ ■ F1 -Z -	
	142	620	10.45	20300	2	170	2KJ3511- ■ JQ23- ■ ■ E1 -Z -	
	161	540	9.17	19700	2.3	170	2KJ3511- ■ JQ23- ■ ■ 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, C or D	see page 10/42

SIMOGEAR geared motors

Bevel geared motors

Geared motors up to 55 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
9.2	K.109-LE160MPA4P							
	185	470	7.99	19100	2.7	170	2KJ3511- ■ JQ23- ■ ■ C1 -Z	–
	217	405	6.83	18400	3.2	170	2KJ3511- ■ JQ23- ■ ■ B1 -Z	–
	253	345	5.84	17800	3.7	170	2KJ3511- ■ JQ23- ■ ■ A1 -Z	–
	K.89-LE160MPA4P							
	45	1950	32.96	18100	0.82	133	2KJ3510- ■ JQ23- ■ ■ Q1 -Z	–
	48	1840	31.03	18100	0.87	133	2KJ3510- ■ JQ23- ■ ■ P1 -Z	–
	52	1690	28.46	18100	0.95	133	2KJ3510- ■ JQ23- ■ ■ N1 -Z	–
	60	1470	24.86	18100	1.1	133	2KJ3510- ■ JQ23- ■ ■ M1 -Z	–
	66	1320	22.26	18100	1.2	133	2KJ3510- ■ JQ23- ■ ■ L1 -Z	–
	76	1150	19.46	18100	1.4	133	2KJ3510- ■ JQ23- ■ ■ K1 -Z	–
	89	990	16.71	18100	1.5	133	2KJ3510- ■ JQ23- ■ ■ J1 -Z	–
	100	875	14.77	18100	1.6	133	2KJ3510- ■ JQ23- ■ ■ H1 -Z	–
	118	745	12.56	18100	1.8	133	2KJ3510- ■ JQ23- ■ ■ G1 -Z	–
	138	635	10.76	18000	2	133	2KJ3510- ■ JQ23- ■ ■ F1 -Z	–
11	141	620	10.51	17200	1.4	133	2KJ3510- ■ JQ23- ■ ■ E1 -Z	–
	164	535	9.02	16800	1.5	133	2KJ3510- ■ JQ23- ■ ■ D1 -Z	–
	186	470	7.97	16400	1.6	133	2KJ3510- ■ JQ23- ■ ■ C1 -Z	–
	218	400	6.78	15900	1.8	133	2KJ3510- ■ JQ23- ■ ■ B1 -Z	–
	255	345	5.81	15400	2	133	2KJ3510- ■ JQ23- ■ ■ A1 -Z	–
	K.189-LE160MPB4P							
	7.4	14200	199.51	104000	1.3	692	2KJ3515- ■ JR23- ■ ■ W1 -Z	–
	8.3	12700	178.49	104000	1.5	692	2KJ3515- ■ JR23- ■ ■ V1 -Z	–
	9.2	11400	160.98	104000	1.7	692	2KJ3515- ■ JR23- ■ ■ U1 -Z	–
	10	10100	142.28	104000	1.9	692	2KJ3515- ■ JR23- ■ ■ T1 -Z	–
	11	9260	130.05	104000	2.1	692	2KJ3515- ■ JR23- ■ ■ S1 -Z	–
	K.169-LE160MPB4P							
	6.6	15900	223.30	70000	0.82	461	2KJ3514- ■ JR23- ■ ■ F2 -Z	–
	7.1	14800	208.35	70000	0.88	461	2KJ3514- ■ JR23- ■ ■ E2 -Z	–
	8	13100	185.23	70000	0.99	461	2KJ3514- ■ JR23- ■ ■ D2 -Z	–
	8.9	11800	166.31	70000	1.1	461	2KJ3514- ■ JR23- ■ ■ C2 -Z	–
	9.8	10700	150.55	70000	1.2	461	2KJ3514- ■ JR23- ■ ■ B2 -Z	–
	11	9410	132.24	70000	1.4	461	2KJ3514- ■ JR23- ■ ■ A2 -Z	–
	12	8530	119.83	70000	1.5	461	2KJ3514- ■ JR23- ■ ■ X1 -Z	–
	14	7600	106.72	70000	1.7	461	2KJ3514- ■ JR23- ■ ■ W1 -Z	–
	15	6820	95.83	70000	1.9	461	2KJ3514- ■ JR23- ■ ■ V1 -Z	–
	17	6090	85.51	70000	2.1	461	2KJ3514- ■ JR23- ■ ■ U1 -Z	–
	K.149-LE160MPB4P							
	10	10000	140.93	58100	0.8	293	2KJ3513- ■ JR23- ■ ■ D2 -Z	–
	12	9050	127.16	58100	0.88	293	2KJ3513- ■ JR23- ■ ■ C2 -Z	–
	13	8020	112.68	58000	1	293	2KJ3513- ■ JR23- ■ ■ B2 -Z	–
	15	7100	99.79	57700	1.1	293	2KJ3513- ■ JR23- ■ ■ A2 -Z	–
	17	6320	88.81	57200	1.3	293	2KJ3513- ■ JR23- ■ ■ X1 -Z	–
	19	5660	79.59	56600	1.4	293	2KJ3513- ■ JR23- ■ ■ W1 -Z	–
	21	5020	70.56	55900	1.6	293	2KJ3513- ■ JR23- ■ ■ V1 -Z	–
	24	4430	62.28	54900	1.8	293	2KJ3513- ■ JR23- ■ ■ U1 -Z	–
	27	3900	54.76	53900	2.1	293	2KJ3513- ■ JR23- ■ ■ T1 -Z	–
	30	3530	49.60	53000	2.3	293	2KJ3513- ■ JR23- ■ ■ S1 -Z	–
	34	3070	43.18	51700	2.6	293	2KJ3513- ■ JR23- ■ ■ R1 -Z	–
	K.129-LE160MPB4P							
	21	4980	70.03	35800	0.88	210	2KJ3512- ■ JR23- ■ ■ V1 -Z	–
	24	4450	62.49	35800	0.99	210	2KJ3512- ■ JR23- ■ ■ 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, C or D** [see page 10/42](#)

SIMOGEAR geared motors

Bevel geared motors

Geared motors up to 55 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
11	K.129-LE160MPB4P							
	27	3920	55.05	35700	1.1	210	2KJ3512- ■ JR23- ■ ■ T1 -Z	–
	31	3430	48.24	35500	1.3	210	2KJ3512- ■ JR23- ■ ■ S1 -Z	–
	35	2990	42.04	35100	1.5	210	2KJ3512- ■ JR23- ■ ■ R1 -Z	–
	38	2730	38.37	34700	1.6	210	2KJ3512- ■ JR23- ■ ■ Q1 -Z	–
	45	2350	33.03	34100	1.9	210	2KJ3512- ■ JR23- ■ ■ P1 -Z	–
	47	2240	31.55	33900	2	210	2KJ3512- ■ JR23- ■ ■ N1 -Z	–
	53	1960	27.58	33200	2.2	210	2KJ3512- ■ JR23- ■ ■ M1 -Z	–
	60	1750	24.61	32600	2.5	210	2KJ3512- ■ JR23- ■ ■ L1 -Z	–
	68	1540	21.68	31800	2.8	210	2KJ3512- ■ JR23- ■ ■ K1 -Z	–
	78	1350	19.00	31100	3.1	210	2KJ3512- ■ JR23- ■ ■ J1 -Z	–
	89	1170	16.56	30200	3.4	210	2KJ3512- ■ JR23- ■ ■ H1 -Z	–
	125	840	11.80	28000	3.4	210	2KJ3512- ■ JR23- ■ ■ E1 -Z	–
	143	735	10.34	27200	3.9	210	2KJ3512- ■ JR23- ■ ■ D1 -Z	–
	K.109-LE160MPB4P							
	32	3260	45.89	23500	0.89	162	2KJ3511- ■ JR23- ■ ■ R1 -Z	–
	37	2840	39.95	23600	0.99	162	2KJ3511- ■ JR23- ■ ■ Q1 -Z	–
	43	2430	34.15	23600	1.1	162	2KJ3511- ■ JR23- ■ ■ P1 -Z	–
	50	2080	29.23	23400	1.3	162	2KJ3511- ■ JR23- ■ ■ N1 -Z	–
	59	1770	24.98	23200	1.3	162	2KJ3511- ■ JR23- ■ ■ M1 -Z	–
	66	1580	22.31	22900	1.5	162	2KJ3511- ■ JR23- ■ ■ L1 -Z	–
	75	1400	19.71	22500	1.7	162	2KJ3511- ■ JR23- ■ ■ K1 -Z	–
	85	1230	17.30	22100	1.9	162	2KJ3511- ■ JR23- ■ ■ J1 -Z	–
	98	1070	15.06	21600	2.2	162	2KJ3511- ■ JR23- ■ ■ H1 -Z	–
	115	915	12.87	21000	2.4	162	2KJ3511- ■ JR23- ■ ■ G1 -Z	–
	134	785	11.02	20400	2.7	162	2KJ3511- ■ JR23- ■ ■ F1 -Z	–
	141	740	10.45	19800	1.7	162	2KJ3511- ■ JR23- ■ ■ E1 -Z	–
	161	650	9.17	19300	1.9	162	2KJ3511- ■ JR23- ■ ■ D1 -Z	–
	185	565	7.99	18800	2.2	162	2KJ3511- ■ JR23- ■ ■ C1 -Z	–
	216	485	6.83	18100	2.7	162	2KJ3511- ■ JR23- ■ ■ B1 -Z	–
	253	415	5.84	17500	3.1	162	2KJ3511- ■ JR23- ■ ■ A1 -Z	–
	K.89-LE160MPB4P							
	59	1770	24.86	18100	0.9	125	2KJ3510- ■ JR23- ■ ■ M1 -Z	–
	66	1580	22.26	18100	1	125	2KJ3510- ■ JR23- ■ ■ L1 -Z	–
	76	1380	19.46	18100	1.1	125	2KJ3510- ■ JR23- ■ ■ K1 -Z	–
	88	1190	16.71	18100	1.2	125	2KJ3510- ■ JR23- ■ ■ J1 -Z	–
	100	1050	14.77	18100	1.3	125	2KJ3510- ■ JR23- ■ ■ H1 -Z	–
	117	895	12.56	17800	1.5	125	2KJ3510- ■ JR23- ■ ■ G1 -Z	–
	137	765	10.76	17400	1.6	125	2KJ3510- ■ JR23- ■ ■ F1 -Z	–
	140	745	10.51	16500	1.1	125	2KJ3510- ■ JR23- ■ ■ E1 -Z	–
	164	640	9.02	16200	1.2	125	2KJ3510- ■ JR23- ■ ■ D1 -Z	–
	185	565	7.97	15900	1.4	125	2KJ3510- ■ JR23- ■ ■ C1 -Z	–
	218	480	6.78	15500	1.5	125	2KJ3510- ■ JR23- ■ ■ B1 -Z	–
	254	410	5.81	15100	1.6	125	2KJ3510- ■ JR23- ■ ■ A1 -Z	–
15	K.189-LE160ZLL4P							
	7.4	19300	199.51	104000	0.99	717	2KJ3515- ■ JU23- ■ ■ W1 -Z	–
	8.3	17300	178.49	104000	1.1	717	2KJ3515- ■ JU23- ■ ■ V1 -Z	–
	9.2	15600	160.98	104000	1.2	717	2KJ3515- ■ JU23- ■ ■ U1 -Z	–
	10	13800	142.28	104000	1.4	717	2KJ3515- ■ JU23- ■ ■ T1 -Z	–
	11	12600	130.05	104000	1.5	717	2KJ3515- ■ JU23- ■ ■ S1 -Z	–
	13	11300	117.00	104000	1.7	717	2KJ3515- ■ JU23- ■ ■ R1 -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, C or D	see page 10/42

SIMOGEAR geared motors

Bevel geared motors

Geared motors up to 55 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
15	K.189-LE160ZLL4P							
	14	10100	104.56	104000	1.9	717	2KJ3515- JU23- Q1 -Z	–
	16	9180	94.55	104000	2.1	717	2KJ3515- JU23- P1 -Z	–
	K.169-LE160ZLL4P							
	8.9	16100	166.31	70000	0.8	486	2KJ3514- JU23- C2 -Z	–
	9.8	14600	150.55	70000	0.89	486	2KJ3514- JU23- B2 -Z	–
	11	12800	132.24	70000	1	486	2KJ3514- JU23- A2 -Z	–
	12	11600	119.83	70000	1.1	486	2KJ3514- JU23- X1 -Z	–
	14	10300	106.72	70000	1.3	486	2KJ3514- JU23- W1 -Z	–
	15	9300	95.83	70000	1.4	486	2KJ3514- JU23- V1 -Z	–
	17	8300	85.51	70000	1.6	486	2KJ3514- JU23- U1 -Z	–
	19	7400	76.23	70000	1.8	486	2KJ3514- JU23- T1 -Z	–
	22	6560	67.61	70000	2	486	2KJ3514- JU23- S1 -Z	–
	24	6020	62.07	70000	2.2	486	2KJ3514- JU23- R1 -Z	–
	27	5310	54.68	70000	2.4	486	2KJ3514- JU23- Q1 -Z	–
	K.149-LE160ZLL4P							
	15	9690	99.79	50500	0.83	318	2KJ3513- JU23- A2 -Z	–
	17	8620	88.81	50800	0.93	318	2KJ3513- JU23- X1 -Z	–
	19	7730	79.59	50800	1	318	2KJ3513- JU23- W1 -Z	–
	21	6850	70.56	50700	1.2	318	2KJ3513- JU23- V1 -Z	–
	24	6040	62.28	50400	1.3	318	2KJ3513- JU23- U1 -Z	–
	27	5310	54.76	49900	1.5	318	2KJ3513- JU23- T1 -Z	–
	30	4810	49.60	49400	1.7	318	2KJ3513- JU23- S1 -Z	–
	34	4190	43.18	48600	1.9	318	2KJ3513- JU23- R1 -Z	–
	42	3430	35.40	47200	2.3	318	2KJ3513- JU23- Q1 -Z	–
	46	3140	32.33	46500	2.5	318	2KJ3513- JU23- P1 -Z	–
	51	2780	28.66	45500	2.7	318	2KJ3513- JU23- N1 -Z	–
	58	2450	25.30	44500	3	318	2KJ3513- JU23- M1 -Z	–
	104	1370	14.15	39100	3	318	2KJ3513- JU23- G1 -Z	–
	119	1200	12.44	38000	3.3	318	2KJ3513- JU23- F1 -Z	–
	K.129-LE160ZLL4P							
	27	5340	55.05	30800	0.82	235	2KJ3512- JU23- T1 -Z	–
	31	4680	48.24	31200	0.94	235	2KJ3512- JU23- S1 -Z	–
	35	4080	42.04	31300	1.1	235	2KJ3512- JU23- R1 -Z	–
	38	3720	38.37	31300	1.2	235	2KJ3512- JU23- Q1 -Z	–
	45	3200	33.03	31200	1.4	235	2KJ3512- JU23- P1 -Z	–
	47	3060	31.55	31100	1.4	235	2KJ3512- JU23- N1 -Z	–
	53	2670	27.58	30800	1.6	235	2KJ3512- JU23- M1 -Z	–
	60	2390	24.61	30400	1.8	235	2KJ3512- JU23- L1 -Z	–
	68	2100	21.68	29900	2	235	2KJ3512- JU23- K1 -Z	–
	78	1840	19.00	29400	2.2	235	2KJ3512- JU23- J1 -Z	–
	89	1600	16.56	28800	2.5	235	2KJ3512- JU23- H1 -Z	–
	98	1460	15.11	28300	2.7	235	2KJ3512- JU23- G1 -Z	–
	113	1260	13.01	27500	3	235	2KJ3512- JU23- F1 -Z	–
	125	1140	11.80	27000	2.5	235	2KJ3512- JU23- E1 -Z	–
	143	1000	10.34	26300	2.8	235	2KJ3512- JU23- D1 -Z	–
	164	875	9.01	25500	3.2	235	2KJ3512- JU23- C1 -Z	–
	179	795	8.22	25000	3.4	235	2KJ3512- JU23- B1 -Z	–
	208	685	7.08	24200	3.7	235	2KJ3512- JU23- 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, C or D	see page 10/42

SIMOGEAR geared motors

Bevel geared motors

Geared motors up to 55 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
15	K.109-LE160ZLL4P							
	43	3310	34.15	20300	0.82	187	2KJ3511- JU23- P1 -Z	–
	50	2830	29.23	20600	0.92	187	2KJ3511- JU23- N1 -Z	–
	59	2420	24.98	20700	0.98	187	2KJ3511- JU23- M1 -Z	–
	66	2160	22.31	20700	1.1	187	2KJ3511- JU23- L1 -Z	–
	75	1910	19.71	20600	1.2	187	2KJ3511- JU23- K1 -Z	–
	85	1680	17.30	20400	1.4	187	2KJ3511- JU23- J1 -Z	–
	98	1460	15.06	20100	1.6	187	2KJ3511- JU23- H1 -Z	–
	115	1250	12.87	19700	1.8	187	2KJ3511- JU23- G1 -Z	–
	134	1070	11.02	19300	2	187	2KJ3511- JU23- F1 -Z	–
	141	1010	10.45	18600	1.2	187	2KJ3511- JU23- E1 -Z	–
	161	890	9.17	18300	1.4	187	2KJ3511- JU23- D1 -Z	–
	185	775	7.99	17800	1.6	187	2KJ3511- JU23- C1 -Z	–
	216	660	6.83	17400	2	187	2KJ3511- JU23- B1 -Z	–
	253	565	5.84	16900	2.3	187	2KJ3511- JU23- A1 -Z	–
	K.89-LE160ZLL4P							
	76	1890	19.46	16300	0.83	150	2KJ3510- JU23- K1 -Z	–
	88	1620	16.71	16400	0.91	150	2KJ3510- JU23- J1 -Z	–
	100	1430	14.77	16400	0.99	150	2KJ3510- JU23- H1 -Z	–
	117	1220	12.56	16300	1.1	150	2KJ3510- JU23- G1 -Z	–
	137	1040	10.76	16100	1.2	150	2KJ3510- JU23- F1 -Z	–
	140	1020	10.51	15000	0.83	150	2KJ3510- JU23- E1 -Z	–
	164	875	9.02	14900	0.91	150	2KJ3510- JU23- D1 -Z	–
	185	770	7.97	14700	0.99	150	2KJ3510- JU23- C1 -Z	–
	218	655	6.78	14500	1.1	150	2KJ3510- JU23- B1 -Z	–
	254	560	5.81	14200	1.2	150	2KJ3510- JU23- A1 -Z	–
18.5	K.189-LES180MQ4P							
	11	15600	130.05	104000	1.2	794	2KJ3515- KL33- S1 -Z	–
	13	14000	117.00	104000	1.4	794	2KJ3515- KL33- R1 -Z	–
	14	12500	104.56	104000	1.6	794	2KJ3515- KL33- Q1 -Z	–
	16	11300	94.55	104000	1.7	794	2KJ3515- KL33- P1 -Z	–
	18	10000	83.44	104000	1.9	794	2KJ3515- KL33- N1 -Z	–
	20	8930	74.35	104000	2.2	794	2KJ3515- KL33- M1 -Z	–
	22	8090	67.36	104000	2.4	794	2KJ3515- KL33- L1 -Z	–
	K.169-LES180MQ4P							
	12	14400	119.83	70000	0.9	565	2KJ3514- KL33- X1 -Z	–
	14	12800	106.72	70000	1	565	2KJ3514- KL33- W1 -Z	–
	15	11500	95.83	70000	1.1	565	2KJ3514- KL33- V1 -Z	–
	17	10200	85.51	70000	1.3	565	2KJ3514- KL33- U1 -Z	–
	19	9160	76.23	70000	1.4	565	2KJ3514- KL33- T1 -Z	–
	22	8120	67.61	70000	1.6	565	2KJ3514- KL33- S1 -Z	–
	24	7460	62.07	70000	1.7	565	2KJ3514- KL33- R1 -Z	–
	27	6570	54.68	70000	2	565	2KJ3514- KL33- Q1 -Z	–
	33	5390	44.86	70000	2.4	565	2KJ3514- KL33- P1 -Z	–
	K.149-LES180MQ4P							
	18	9560	79.59	45800	0.84	394	2KJ3513- KL33- W1 -Z	–
	21	8480	70.56	46300	0.94	394	2KJ3513- KL33- V1 -Z	–
	24	7480	62.28	46500	1.1	394	2KJ3513- KL33- U1 -Z	–
	27	6580	54.76	46400	1.2	394	2KJ3513- KL33- T1 -Z	–
	30	5960	49.60	46300	1.3	394	2KJ3513- KL33- S1 -Z	–
	34	5190	43.18	45900	1.5	394	2KJ3513- KL33- R1 -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, C or D	see page 10/42

SIMOGEAR geared motors

Bevel geared motors

Geared motors up to 55 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
18.5	K.149-LES180MQ4P							
	42	4250	35.40	45000	1.8	394	2KJ3513- ■ KL33- ■ ■ Q1 -Z	–
	45	3880	32.33	44500	2	394	2KJ3513- ■ KL33- ■ ■ P1 -Z	–
	51	3440	28.66	43800	2.2	394	2KJ3513- ■ KL33- ■ ■ N1 -Z	–
	58	3040	25.30	42900	2.4	394	2KJ3513- ■ KL33- ■ ■ M1 -Z	–
	66	2670	22.25	42000	2.7	394	2KJ3513- ■ KL33- ■ ■ L1 -Z	–
	73	2420	20.15	41200	2.9	394	2KJ3513- ■ KL33- ■ ■ K1 -Z	–
	84	2100	17.54	40200	3.3	394	2KJ3513- ■ KL33- ■ ■ J1 -Z	–
	104	1700	14.15	38200	2.4	394	2KJ3513- ■ KL33- ■ ■ G1 -Z	–
	118	1490	12.44	37200	2.7	394	2KJ3513- ■ KL33- ■ ■ F1 -Z	–
	131	1350	11.26	36300	2.9	394	2KJ3513- ■ KL33- ■ ■ E1 -Z	–
	150	1170	9.81	35200	3.3	394	2KJ3513- ■ KL33- ■ ■ D1 -Z	–
	183	965	8.04	33600	3.8	394	2KJ3513- ■ KL33- ■ ■ C1 -Z	–
	216	820	6.82	32300	4.4	394	2KJ3513- ■ KL33- ■ ■ B1 -Z	–
	K.129-LES180MQ4P							
	35	5050	42.04	28100	0.87	312	2KJ3512- ■ KL33- ■ ■ R1 -Z	–
	38	4610	38.37	28300	0.95	312	2KJ3512- ■ KL33- ■ ■ Q1 -Z	–
	45	3970	33.03	28600	1.1	312	2KJ3512- ■ KL33- ■ ■ P1 -Z	–
	47	3790	31.55	28600	1.2	312	2KJ3512- ■ KL33- ■ ■ N1 -Z	–
	53	3310	27.58	28600	1.3	312	2KJ3512- ■ KL33- ■ ■ M1 -Z	–
	60	2950	24.61	28500	1.5	312	2KJ3512- ■ KL33- ■ ■ L1 -Z	–
	68	2600	21.68	28300	1.6	312	2KJ3512- ■ KL33- ■ ■ K1 -Z	–
	77	2280	19.00	27900	1.8	312	2KJ3512- ■ KL33- ■ ■ J1 -Z	–
	89	1990	16.56	27500	2	312	2KJ3512- ■ KL33- ■ ■ H1 -Z	–
	97	1810	15.11	27100	2.2	312	2KJ3512- ■ KL33- ■ ■ G1 -Z	–
	113	1560	13.01	26500	2.4	312	2KJ3512- ■ KL33- ■ ■ F1 -Z	–
	125	1410	11.80	26100	2	312	2KJ3512- ■ KL33- ■ ■ E1 -Z	–
	142	1240	10.34	25500	2.3	312	2KJ3512- ■ KL33- ■ ■ D1 -Z	–
	163	1080	9.01	24800	2.5	312	2KJ3512- ■ KL33- ■ ■ C1 -Z	–
	179	985	8.22	24400	2.7	312	2KJ3512- ■ KL33- ■ ■ B1 -Z	–
	208	850	7.08	23600	3	312	2KJ3512- ■ KL33- ■ ■ A1 -Z	–
	K.109-LES180MQ4P							
	66	2680	22.31	18800	0.89	263	2KJ3511- ■ KL33- ■ ■ L1 -Z	–
	75	2360	19.71	18900	1	263	2KJ3511- ■ KL33- ■ ■ K1 -Z	–
	85	2070	17.30	18900	1.2	263	2KJ3511- ■ KL33- ■ ■ J1 -Z	–
	98	1810	15.06	18800	1.3	263	2KJ3511- ■ KL33- ■ ■ H1 -Z	–
	114	1540	12.87	18700	1.4	263	2KJ3511- ■ KL33- ■ ■ G1 -Z	–
	133	1320	11.02	18400	1.6	263	2KJ3511- ■ KL33- ■ ■ F1 -Z	–
	141	1250	10.45	17600	1	263	2KJ3511- ■ KL33- ■ ■ E1 -Z	–
	160	1100	9.17	17400	1.2	263	2KJ3511- ■ KL33- ■ ■ D1 -Z	–
	184	960	7.99	17100	1.3	263	2KJ3511- ■ KL33- ■ ■ C1 -Z	–
	215	820	6.83	16700	1.6	263	2KJ3511- ■ KL33- ■ ■ B1 -Z	–
	252	700	5.84	16300	1.9	263	2KJ3511- ■ KL33- ■ ■ A1 -Z	–
22	K.189-LES180ZLN4P							
	11	18500	130.05	104000	1	799	2KJ3515- ■ KN33- ■ ■ S1 -Z	–
	13	16700	117.00	104000	1.2	799	2KJ3515- ■ KN33- ■ ■ R1 -Z	–
	14	14900	104.56	104000	1.3	799	2KJ3515- ■ KN33- ■ ■ Q1 -Z	–
	16	13500	94.55	104000	1.4	799	2KJ3515- ■ KN33- ■ ■ P1 -Z	–
	18	11900	83.44	104000	1.6	799	2KJ3515- ■ KN33- ■ ■ N1 -Z	–
	20	10600	74.35	104000	1.8	799	2KJ3515- ■ KN33- ■ ■ M1 -Z	–
	22	9620	67.36	104000	2	799	2KJ3515- ■ KN33- ■ ■ L1 -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, C or D	see page 10/42

SIMOGEAR geared motors

Bevel geared motors

Geared motors up to 55 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
22	K.189-LES180ZLN4P							
	24	8650	60.58	104000	2.3	799	2KJ3515- ■ KN33- ■ ■ K1 -Z -	
	K.169-LES180ZLN4P							
	14	15200	106.72	70000	0.85	570	2KJ3514- ■ KN33- ■ ■ W1 -Z -	
	15	13600	95.83	70000	0.95	570	2KJ3514- ■ KN33- ■ ■ V1 -Z -	
	17	12200	85.51	70000	1.1	570	2KJ3514- ■ KN33- ■ ■ U1 -Z -	
	19	10800	76.23	70000	1.2	570	2KJ3514- ■ KN33- ■ ■ T1 -Z -	
	22	9660	67.61	70000	1.3	570	2KJ3514- ■ KN33- ■ ■ S1 -Z -	
	24	8870	62.07	70000	1.5	570	2KJ3514- ■ KN33- ■ ■ R1 -Z -	
	27	7810	54.68	70000	1.7	570	2KJ3514- ■ KN33- ■ ■ Q1 -Z -	
	33	6410	44.86	70000	2	570	2KJ3514- ■ KN33- ■ ■ P1 -Z -	
	37	5620	39.33	69200	2.3	570	2KJ3514- ■ KN33- ■ ■ N1 -Z -	
	K.149-LES180ZLN4P							
	24	8900	62.28	42500	0.9	399	2KJ3513- ■ KN33- ■ ■ U1 -Z -	
	27	7820	54.76	43000	1	399	2KJ3513- ■ KN33- ■ ■ T1 -Z -	
	30	7080	49.60	43100	1.1	399	2KJ3513- ■ KN33- ■ ■ S1 -Z -	
	34	6170	43.18	43100	1.3	399	2KJ3513- ■ KN33- ■ ■ R1 -Z -	
	42	5060	35.40	42700	1.6	399	2KJ3513- ■ KN33- ■ ■ Q1 -Z -	
	45	4620	32.33	42400	1.7	399	2KJ3513- ■ KN33- ■ ■ P1 -Z -	
	51	4090	28.66	41900	1.9	399	2KJ3513- ■ KN33- ■ ■ N1 -Z -	
	58	3610	25.30	41300	2.1	399	2KJ3513- ■ KN33- ■ ■ M1 -Z -	
	66	3180	22.25	40600	2.3	399	2KJ3513- ■ KN33- ■ ■ L1 -Z -	
	73	2880	20.15	40000	2.5	399	2KJ3513- ■ KN33- ■ ■ K1 -Z -	
	84	2500	17.54	39100	2.7	399	2KJ3513- ■ KN33- ■ ■ J1 -Z -	
	102	2050	14.38	37700	3.2	399	2KJ3513- ■ KN33- ■ ■ H1 -Z -	
	104	2020	14.15	37200	2	399	2KJ3513- ■ KN33- ■ ■ G1 -Z -	
	118	1770	12.44	36300	2.3	399	2KJ3513- ■ KN33- ■ ■ F1 -Z -	
	131	1600	11.26	35600	2.5	399	2KJ3513- ■ KN33- ■ ■ E1 -Z -	
	150	1400	9.81	34600	2.7	399	2KJ3513- ■ KN33- ■ ■ D1 -Z -	
	183	1140	8.04	33100	3.2	399	2KJ3513- ■ KN33- ■ ■ C1 -Z -	
	216	975	6.82	31800	3.7	399	2KJ3513- ■ KN33- ■ ■ B1 -Z -	
	K.129-LES180ZLN4P							
	38	5480	38.37	25400	0.8	317	2KJ3512- ■ KN33- ■ ■ Q1 -Z -	
	45	4720	33.03	26000	0.93	317	2KJ3512- ■ KN33- ■ ■ P1 -Z -	
	47	4500	31.55	26200	0.98	317	2KJ3512- ■ KN33- ■ ■ N1 -Z -	
	53	3940	27.58	26500	1.1	317	2KJ3512- ■ KN33- ■ ■ M1 -Z -	
	60	3510	24.61	26600	1.3	317	2KJ3512- ■ KN33- ■ ■ L1 -Z -	
	68	3090	21.68	26600	1.4	317	2KJ3512- ■ KN33- ■ ■ K1 -Z -	
	77	2710	19.00	26400	1.5	317	2KJ3512- ■ KN33- ■ ■ J1 -Z -	
	89	2360	16.56	26200	1.7	317	2KJ3512- ■ KN33- ■ ■ H1 -Z -	
	97	2160	15.11	25900	1.8	317	2KJ3512- ■ KN33- ■ ■ G1 -Z -	
	113	1850	13.01	25500	2	317	2KJ3512- ■ KN33- ■ ■ F1 -Z -	
	125	1680	11.80	25200	1.7	317	2KJ3512- ■ KN33- ■ ■ E1 -Z -	
	142	1470	10.34	24700	1.9	317	2KJ3512- ■ KN33- ■ ■ D1 -Z -	
	163	1280	9.01	24100	2.1	317	2KJ3512- ■ KN33- ■ ■ C1 -Z -	
	179	1170	8.22	23800	2.3	317	2KJ3512- ■ KN33- ■ ■ B1 -Z -	
	208	1010	7.08	23100	2.5	317	2KJ3512- ■ KN33- ■ ■ A1 -Z -	
	K.109-LES180ZLN4P							
	75	2810	19.71	17200	0.84	268	2KJ3511- ■ KN33- ■ ■ K1 -Z -	
	85	2470	17.30	17400	0.97	268	2KJ3511- ■ KN33- ■ ■ J1 -Z -	
	98	2150	15.06	17500	1.1	268	2KJ3511- ■ KN33- ■ ■ H1 -Z -	
	114	1830	12.87	17600	1.2	268	2KJ3511- ■ KN33- ■ ■ G1 -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, C or D	see page 10/42

SIMOGEAR geared motors

Bevel geared motors

Geared motors up to 55 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
22	K.109-LES180ZLN4P							
	133	1570	11.02	17400	1.3	268	2KJ3511- ■ KN33- ■ ■ F1 -Z	–
	141	1490	10.45	16600	0.84	268	2KJ3511- ■ KN33- ■ ■ E1 -Z	–
	160	1310	9.17	16500	0.97	268	2KJ3511- ■ KN33- ■ ■ D1 -Z	–
	184	1140	7.99	16300	1.1	268	2KJ3511- ■ KN33- ■ ■ C1 -Z	–
	215	975	6.83	16000	1.3	268	2KJ3511- ■ KN33- ■ ■ B1 -Z	–
	252	835	5.84	15700	1.6	268	2KJ3511- ■ KN33- ■ ■ A1 -Z	–
30	K.189-LES200ZLU4P							
	13	22800	117.00	104000	0.86	875	2KJ3515- ■ LN33- ■ ■ R1 -Z	–
	14	20300	104.56	104000	0.96	875	2KJ3515- ■ LN33- ■ ■ Q1 -Z	–
	16	18400	94.55	104000	1.1	875	2KJ3515- ■ LN33- ■ ■ P1 -Z	–
	18	16200	83.44	104000	1.2	875	2KJ3515- ■ LN33- ■ ■ N1 -Z	–
	20	14400	74.35	104000	1.3	875	2KJ3515- ■ LN33- ■ ■ M1 -Z	–
	22	13100	67.36	104000	1.5	875	2KJ3515- ■ LN33- ■ ■ L1 -Z	–
	24	11800	60.58	104000	1.7	875	2KJ3515- ■ LN33- ■ ■ K1 -Z	–
	29	9810	50.34	104000	2	875	2KJ3515- ■ LN33- ■ ■ J1 -Z	–
	33	8720	44.76	104000	2.2	875	2KJ3515- ■ LN33- ■ ■ H1 -Z	–
	K.169-LES200ZLU4P							
	19	14800	76.23	65900	0.88	645	2KJ3514- ■ LN33- ■ ■ T1 -Z	–
	22	13100	67.61	66300	0.99	645	2KJ3514- ■ LN33- ■ ■ S1 -Z	–
	24	12000	62.07	66400	1.1	645	2KJ3514- ■ LN33- ■ ■ R1 -Z	–
	27	10600	54.68	66200	1.2	645	2KJ3514- ■ LN33- ■ ■ Q1 -Z	–
	33	8740	44.86	65300	1.5	645	2KJ3514- ■ LN33- ■ ■ P1 -Z	–
	37	7660	39.33	64500	1.7	645	2KJ3514- ■ LN33- ■ ■ N1 -Z	–
	48	5990	30.75	62500	2.2	645	2KJ3514- ■ LN33- ■ ■ M1 -Z	–
	50	5730	29.43	62100	2.3	645	2KJ3514- ■ LN33- ■ ■ L1 -Z	–
	54	5260	27.02	61300	2.5	645	2KJ3514- ■ LN33- ■ ■ K1 -Z	–
	62	4630	23.80	60000	2.8	645	2KJ3514- ■ LN33- ■ ■ J1 -Z	–
	120	2370	12.20	51100	2.8	645	2KJ3514- ■ LN33- ■ ■ E1 -Z	–
	147	1950	10.01	49000	3.3	645	2KJ3514- ■ LN33- ■ ■ D1 -Z	–
	167	1710	8.78	47600	3.7	645	2KJ3514- ■ LN33- ■ ■ C1 -Z	–
	K.149-LES200ZLU4P							
	30	9660	49.60	35900	0.83	474	2KJ3513- ■ LN33- ■ ■ S1 -Z	–
	34	8410	43.18	36900	0.95	474	2KJ3513- ■ LN33- ■ ■ R1 -Z	–
	42	6890	35.40	37600	1.1	474	2KJ3513- ■ LN33- ■ ■ Q1 -Z	–
	45	6300	32.33	37700	1.2	474	2KJ3513- ■ LN33- ■ ■ P1 -Z	–
	51	5580	28.66	37800	1.4	474	2KJ3513- ■ LN33- ■ ■ N1 -Z	–
	58	4930	25.30	37600	1.5	474	2KJ3513- ■ LN33- ■ ■ M1 -Z	–
	66	4330	22.25	37400	1.7	474	2KJ3513- ■ LN33- ■ ■ L1 -Z	–
	73	3920	20.15	37100	1.8	474	2KJ3513- ■ LN33- ■ ■ K1 -Z	–
	84	3410	17.54	36500	2	474	2KJ3513- ■ LN33- ■ ■ J1 -Z	–
	102	2800	14.38	35600	2.4	474	2KJ3513- ■ LN33- ■ ■ H1 -Z	–
	104	2750	14.15	35100	1.5	474	2KJ3513- ■ LN33- ■ ■ G1 -Z	–
	118	2420	12.44	34400	1.7	474	2KJ3513- ■ LN33- ■ ■ F1 -Z	–
	131	2190	11.26	33900	1.8	474	2KJ3513- ■ LN33- ■ ■ E1 -Z	–
	150	1910	9.81	33100	2	474	2KJ3513- ■ LN33- ■ ■ D1 -Z	–
	183	1560	8.04	31800	2.4	474	2KJ3513- ■ LN33- ■ ■ C1 -Z	–
	216	1320	6.82	30800	2.7	474	2KJ3513- ■ LN33- ■ ■ B1 -Z	–
	K.129-LES200ZLU4P							
	53	5370	27.58	21600	0.82	393	2KJ3512- ■ LN33- ■ ■ M1 -Z	–
	60	4790	24.61	22200	0.92	393	2KJ3512- ■ LN33- ■ ■ L1 -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, C or D	see page 10/42

SIMOGEAR geared motors

Bevel geared motors

Geared motors up to 55 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
30	K.129-LES200ZLU4P							
	68	4220	21.68	22700	1	393	2KJ3512- ■ LN33- ■ ■ K1 -Z -	
	77	3700	19.00	23100	1.1	393	2KJ3512- ■ LN33- ■ ■ J1 -Z -	
	89	3220	16.56	23300	1.2	393	2KJ3512- ■ LN33- ■ ■ H1 -Z -	
	97	2940	15.11	23300	1.3	393	2KJ3512- ■ LN33- ■ ■ G1 -Z -	
	113	2530	13.01	23200	1.5	393	2KJ3512- ■ LN33- ■ ■ F1 -Z -	
	125	2300	11.80	23100	1.2	393	2KJ3512- ■ LN33- ■ ■ E1 -Z -	
	142	2010	10.34	22800	1.4	393	2KJ3512- ■ LN33- ■ ■ D1 -Z -	
	163	1750	9.01	22500	1.6	393	2KJ3512- ■ LN33- ■ ■ C1 -Z -	
	179	1600	8.22	22300	1.7	393	2KJ3512- ■ LN33- ■ ■ B1 -Z -	
	208	1380	7.08	21800	1.8	393	2KJ3512- ■ LN33- ■ ■ A1 -Z -	
37	K.189-LES225SD4P							
	16	22600	94.55	104000	0.86	917	2KJ3515- ■ MF33- ■ ■ P1 -Z -	
	18	19900	83.44	104000	0.98	917	2KJ3515- ■ MF33- ■ ■ N1 -Z -	
	20	17700	74.35	104000	1.1	917	2KJ3515- ■ MF33- ■ ■ M1 -Z -	
	22	16100	67.36	104000	1.2	917	2KJ3515- ■ MF33- ■ ■ L1 -Z -	
	24	14400	60.58	104000	1.3	917	2KJ3515- ■ MF33- ■ ■ K1 -Z -	
	29	12000	50.34	104000	1.6	917	2KJ3515- ■ MF33- ■ ■ J1 -Z -	
	33	10700	44.76	104000	1.8	917	2KJ3515- ■ MF33- ■ ■ H1 -Z -	
	41	8520	35.67	104000	2.3	917	2KJ3515- ■ MF33- ■ ■ G1 -Z -	
	52	6780	28.39	104000	2.9	917	2KJ3515- ■ MF33- ■ ■ F1 -Z -	
	K.169-LES225SD4P							
	22	16100	67.61	59200	0.8	690	2KJ3514- ■ MF33- ■ ■ S1 -Z -	
	24	14800	62.07	59800	0.88	690	2KJ3514- ■ MF33- ■ ■ R1 -Z -	
	27	13000	54.68	60400	0.99	690	2KJ3514- ■ MF33- ■ ■ Q1 -Z -	
	33	10700	44.86	60600	1.2	690	2KJ3514- ■ MF33- ■ ■ P1 -Z -	
	38	9400	39.33	60300	1.4	690	2KJ3514- ■ MF33- ■ ■ N1 -Z -	
	48	7350	30.75	59200	1.8	690	2KJ3514- ■ MF33- ■ ■ M1 -Z -	
	50	7030	29.43	58900	1.8	690	2KJ3514- ■ MF33- ■ ■ L1 -Z -	
	55	6460	27.02	58400	2	690	2KJ3514- ■ MF33- ■ ■ K1 -Z -	
	62	5690	23.80	57400	2.3	690	2KJ3514- ■ MF33- ■ ■ J1 -Z -	
	76	4660	19.53	55700	2.7	690	2KJ3514- ■ MF33- ■ ■ H1 -Z -	
	86	4090	17.12	54500	3	690	2KJ3514- ■ MF33- ■ ■ G1 -Z -	
	121	2910	12.20	49500	2.3	690	2KJ3514- ■ MF33- ■ ■ E1 -Z -	
	148	2390	10.01	47600	2.7	690	2KJ3514- ■ MF33- ■ ■ D1 -Z -	
	168	2090	8.78	46400	3	690	2KJ3514- ■ MF33- ■ ■ C1 -Z -	
	215	1640	6.86	43900	3.7	690	2KJ3514- ■ MF33- ■ ■ B1 -Z -	
	K.149-LES225SD4P							
	42	8460	35.40	33100	0.93	518	2KJ3513- ■ MF33- ■ ■ Q1 -Z -	
	46	7720	32.33	33700	1	518	2KJ3513- ■ MF33- ■ ■ P1 -Z -	
	52	6850	28.66	34100	1.1	518	2KJ3513- ■ MF33- ■ ■ N1 -Z -	
	58	6040	25.30	34400	1.2	518	2KJ3513- ■ MF33- ■ ■ M1 -Z -	
	66	5310	22.25	34500	1.4	518	2KJ3513- ■ MF33- ■ ■ L1 -Z -	
	73	4810	20.15	34500	1.5	518	2KJ3513- ■ MF33- ■ ■ K1 -Z -	
	84	4190	17.54	34300	1.6	518	2KJ3513- ■ MF33- ■ ■ J1 -Z -	
	103	3430	14.38	33700	1.9	518	2KJ3513- ■ MF33- ■ ■ H1 -Z -	
	104	3380	14.15	33200	1.2	518	2KJ3513- ■ MF33- ■ ■ G1 -Z -	
	119	2970	12.44	32700	1.4	518	2KJ3513- ■ MF33- ■ ■ F1 -Z -	
	131	2690	11.26	32300	1.5	518	2KJ3513- ■ MF33- ■ ■ E1 -Z -	
	151	2340	9.81	31700	1.6	518	2KJ3513- ■ MF33- ■ ■ D1 -Z -	
	184	1920	8.04	30700	1.9	518	2KJ3513- ■ MF33- ■ ■ C1 -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, C or D	see page 10/42

SIMOGEAR geared motors

Bevel geared motors

Geared motors up to 55 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
37	K.149-LES225SD4P							
	217	1630	6.82	29800	2.2	518	2KJ3513- ■ MF33- ■ ■ B1 -Z	–
	K.129-LES225SD4P							
	68	5180	21.68	19400	0.82	435	2KJ3512- ■ MF33- ■ ■ K1 -Z	–
	78	4540	19.00	20100	0.91	435	2KJ3512- ■ MF33- ■ ■ J1 -Z	–
	89	3950	16.56	20700	1	435	2KJ3512- ■ MF33- ■ ■ H1 -Z	–
	98	3610	15.11	20900	1.1	435	2KJ3512- ■ MF33- ■ ■ G1 -Z	–
	114	3110	13.01	21200	1.2	435	2KJ3512- ■ MF33- ■ ■ F1 -Z	–
	125	2820	11.80	21200	1	435	2KJ3512- ■ MF33- ■ ■ E1 -Z	–
	143	2470	10.34	21200	1.2	435	2KJ3512- ■ MF33- ■ ■ D1 -Z	–
	164	2150	9.01	21100	1.3	435	2KJ3512- ■ MF33- ■ ■ C1 -Z	–
	180	1960	8.22	21000	1.4	435	2KJ3512- ■ MF33- ■ ■ B1 -Z	–
	209	1690	7.08	20700	1.5	435	2KJ3512- ■ MF33- ■ ■ A1 -Z	–
45	K.189-LES225YMF4P							
	18	24200	83.44	104000	0.8	962	2KJ3515- ■ MT33- ■ ■ N1 -Z	–
	20	21600	74.35	104000	0.9	962	2KJ3515- ■ MT33- ■ ■ M1 -Z	–
	22	19500	67.36	104000	1	962	2KJ3515- ■ MT33- ■ ■ L1 -Z	–
	24	17600	60.58	104000	1.1	962	2KJ3515- ■ MT33- ■ ■ K1 -Z	–
	29	14600	50.34	104000	1.3	962	2KJ3515- ■ MT33- ■ ■ J1 -Z	–
	33	13000	44.76	104000	1.5	962	2KJ3515- ■ MT33- ■ ■ H1 -Z	–
	41	10300	35.67	104000	1.9	962	2KJ3515- ■ MT33- ■ ■ G1 -Z	–
	52	8250	28.39	103900	2.4	962	2KJ3515- ■ MT33- ■ ■ F1 -Z	–
	58	7370	25.37	101700	2.6	962	2KJ3515- ■ MT33- ■ ■ E1 -Z	–
	K.169-LES225YMF4P							
	27	15800	54.68	53900	0.82	735	2KJ3514- ■ MT33- ■ ■ Q1 -Z	–
	33	13000	44.86	55200	1	735	2KJ3514- ■ MT33- ■ ■ P1 -Z	–
	38	11400	39.33	55600	1.1	735	2KJ3514- ■ MT33- ■ ■ N1 -Z	–
	48	8940	30.75	55500	1.5	735	2KJ3514- ■ MT33- ■ ■ M1 -Z	–
	50	8550	29.43	55400	1.5	735	2KJ3514- ■ MT33- ■ ■ L1 -Z	–
	55	7850	27.02	55100	1.7	735	2KJ3514- ■ MT33- ■ ■ K1 -Z	–
	62	6920	23.80	54600	1.9	735	2KJ3514- ■ MT33- ■ ■ J1 -Z	–
	76	5670	19.53	53400	2.2	735	2KJ3514- ■ MT33- ■ ■ H1 -Z	–
	86	4970	17.12	52400	2.5	735	2KJ3514- ■ MT33- ■ ■ G1 -Z	–
	110	3890	13.39	50400	3.1	735	2KJ3514- ■ MT33- ■ ■ F1 -Z	–
	121	3540	12.20	47700	1.9	735	2KJ3514- ■ MT33- ■ ■ E1 -Z	–
	148	2910	10.01	46100	2.2	735	2KJ3514- ■ MT33- ■ ■ D1 -Z	–
	168	2550	8.78	45100	2.5	735	2KJ3514- ■ MT33- ■ ■ C1 -Z	–
	215	1990	6.86	42900	3.1	735	2KJ3514- ■ MT33- ■ ■ B1 -Z	–
	K.149-LES225YMF4P							
	46	9400	32.33	29000	0.83	563	2KJ3513- ■ MT33- ■ ■ P1 -Z	–
	52	8330	28.66	30000	0.92	563	2KJ3513- ■ MT33- ■ ■ N1 -Z	–
	58	7350	25.30	30800	1	563	2KJ3513- ■ MT33- ■ ■ M1 -Z	–
	66	6470	22.25	31300	1.1	563	2KJ3513- ■ MT33- ■ ■ L1 -Z	–
	73	5850	20.15	31600	1.2	563	2KJ3513- ■ MT33- ■ ■ K1 -Z	–
	84	5100	17.54	31700	1.4	563	2KJ3513- ■ MT33- ■ ■ J1 -Z	–
	103	4180	14.38	31600	1.6	563	2KJ3513- ■ MT33- ■ ■ H1 -Z	–
	104	4110	14.15	31000	1	563	2KJ3513- ■ MT33- ■ ■ G1 -Z	–
	119	3610	12.44	30800	1.1	563	2KJ3513- ■ MT33- ■ ■ F1 -Z	–
	131	3270	11.26	30600	1.2	563	2KJ3513- ■ MT33- ■ ■ E1 -Z	–
	151	2850	9.81	30200	1.3	563	2KJ3513- ■ MT33- ■ ■ D1 -Z	–
	184	2330	8.04	29500	1.6	563	2KJ3513- ■ MT33- ■ ■ C1 -Z	–
	217	1980	6.82	28800	1.8	563	2KJ3513- ■ MT33- ■ ■ 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, C or D** [see page 10/42](#)

SIMOGEAR geared motors

Bevel geared motors

Geared motors up to 55 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
45	K.129-LES225YMF4P							
	89	4810	16.56	17800	0.83	480	2KJ3512- ■ MT33- ■ ■ H1 -Z -	
	98	4390	15.11	18300	0.9	480	2KJ3512- ■ MT33- ■ ■ G1 -Z -	
	114	3780	13.01	18900	1	480	2KJ3512- ■ MT33- ■ ■ F1 -Z -	
	125	3430	11.80	19100	0.82	480	2KJ3512- ■ MT33- ■ ■ E1 -Z -	
	143	3000	10.34	19400	0.95	480	2KJ3512- ■ MT33- ■ ■ D1 -Z -	
	164	2620	9.01	19500	1.1	480	2KJ3512- ■ MT33- ■ ■ C1 -Z -	
	180	2390	8.22	19500	1.1	480	2KJ3512- ■ MT33- ■ ■ B1 -Z -	
55	209	2050	7.08	19500	1.2	480	2KJ3512- ■ MT33- ■ ■ A1 -Z -	
	K.189-LES250MD4P							
	22	23800	67.36	104000	0.82	1066	2KJ3515- ■ NM33- ■ ■ L1 -Z -	
	24	21400	60.58	104000	0.91	1066	2KJ3515- ■ NM33- ■ ■ K1 -Z -	
	29	17800	50.34	104000	1.1	1066	2KJ3515- ■ NM33- ■ ■ J1 -Z -	
	33	15800	44.76	104000	1.2	1066	2KJ3515- ■ NM33- ■ ■ H1 -Z -	
	42	12600	35.67	103400	1.5	1066	2KJ3515- ■ NM33- ■ ■ G1 -Z -	
	52	10000	28.39	100200	1.9	1066	2KJ3515- ■ NM33- ■ ■ F1 -Z -	
	58	8990	25.37	98300	2.2	1066	2KJ3515- ■ NM33- ■ ■ E1 -Z -	
	70	7470	21.09	95100	2.6	1066	2KJ3515- ■ NM33- ■ ■ D1 -Z -	
	79	6640	18.75	93000	2.9	1066	2KJ3515- ■ NM33- ■ ■ C1 -Z -	
	K.169-LES250MD4P							
	33	15800	44.86	48600	0.82	837	2KJ3514- ■ NM33- ■ ■ P1 -Z -	
	38	13900	39.33	49700	0.93	837	2KJ3514- ■ NM33- ■ ■ N1 -Z -	
	48	10800	30.75	51100	1.2	837	2KJ3514- ■ NM33- ■ ■ M1 -Z -	
	50	10400	29.43	51000	1.2	837	2KJ3514- ■ NM33- ■ ■ L1 -Z -	
	55	9570	27.02	51100	1.4	837	2KJ3514- ■ NM33- ■ ■ K1 -Z -	
	62	8430	23.80	51000	1.5	837	2KJ3514- ■ NM33- ■ ■ J1 -Z -	
	76	6920	19.53	50400	1.8	837	2KJ3514- ■ NM33- ■ ■ H1 -Z -	
	87	6060	17.12	49800	2	837	2KJ3514- ■ NM33- ■ ■ G1 -Z -	
	111	4740	13.39	48400	2.5	837	2KJ3514- ■ NM33- ■ ■ F1 -Z -	
	121	4320	12.20	45400	1.6	837	2KJ3514- ■ NM33- ■ ■ E1 -Z -	
	148	3540	10.01	44300	1.8	837	2KJ3514- ■ NM33- ■ ■ D1 -Z -	
	169	3110	8.78	43400	2	837	2KJ3514- ■ NM33- ■ ■ C1 -Z -	
	216	2430	6.86	41600	2.5	837	2KJ3514- ■ NM33- ■ ■ B1 -Z -	
	K.149-LES250MD4P							
	59	8960	25.30	26200	0.83	664	2KJ3513- ■ NM33- ■ ■ M1 -Z -	
	67	7880	22.25	27300	0.91	664	2KJ3513- ■ NM33- ■ ■ L1 -Z -	
	74	7140	20.15	27900	0.99	664	2KJ3513- ■ NM33- ■ ■ K1 -Z -	
	84	6210	17.54	28600	1.1	664	2KJ3513- ■ NM33- ■ ■ J1 -Z -	
	103	5090	14.38	29100	1.3	664	2KJ3513- ■ NM33- ■ ■ H1 -Z -	
	105	5010	14.15	28300	0.83	664	2KJ3513- ■ NM33- ■ ■ G1 -Z -	
	119	4400	12.44	28500	0.91	664	2KJ3513- ■ NM33- ■ ■ F1 -Z -	
	132	3990	11.26	28500	0.99	664	2KJ3513- ■ NM33- ■ ■ E1 -Z -	
	151	3470	9.81	28400	1.1	664	2KJ3513- ■ NM33- ■ ■ D1 -Z -	
	184	2850	8.04	28000	1.3	664	2KJ3513- ■ NM33- ■ ■ C1 -Z -	
	217	2410	6.82	27500	1.5	664	2KJ3513- ■ NM33- ■ ■ 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, C or D	see page 10/42

SIMOGEAR geared motors

Bevel 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	φ ¹⁾ ,	<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	160	180	200	225	250		
B.19																				
42.10	34	50	3880	13.0	0.02	3410/81	✓	✓											2KJ3500 - ■■■■■■ - ■■ A2	
37.28	39	50	3700	13.5	0.03	671/18	✓	✓	✓										2KJ3500 - ■■■■■■ - ■■ X1	
32.39	45	50	3510	13.6	0.04	583/18	✓	✓	✓										2KJ3500 - ■■■■■■ - ■■ W1	
29.44	49	50	3380	13.6	0.04	265/9	✓	✓	✓										2KJ3500 - ■■■■■■ - ■■ V1	
25.06	58	50	3170	13.7	0.06	451/18	✓	✓	✓										2KJ3500 - ■■■■■■ - ■■ U1	
22.78	64	50	3050	13.7	0.08	205/9	✓	✓	✓										2KJ3500 - ■■■■■■ - ■■ T1	
19.86	73	50	2890	13.9	0.09	715/36	✓	✓	✓										2KJ3500 - ■■■■■■ - ■■ S1	
17.78	82	50	2770	14.0	0.12	160/9	✓	✓	✓										2KJ3500 - ■■■■■■ - ■■ R1	
15.79	92	50	2640	14.1	0.14	1705/108	✓	✓	✓										2KJ3500 - ■■■■■■ - ■■ Q1	
14.57	100	50	2550	14.1	0.17	1705/117	✓	✓	✓										2KJ3500 - ■■■■■■ - ■■ P1	
12.66	115	50	2410	14.4	0.19	1595/126	✓	✓	✓										2KJ3500 - ■■■■■■ - ■■ N1	
11.00	132	50	2270	14.1	0.19	11/1	✓	✓	✓										2KJ3500 - ■■■■■■ - ■■ M1	
9.93	146	50	2190	14.2	0.25	715/72	✓	✓	✓										2KJ3500 - ■■■■■■ - ■■ L1	
9.35	155	50	2160	14.2	0.29	1430/153	✓	✓	✓										2KJ3500 - ■■■■■■ - ■■ K1	
8.15	178	47	2110	14.6	0.33	220/27	✓	✓	✓										2KJ3500 - ■■■■■■ - ■■ J1	
7.87	184	38	2160	21.4	0.14	1472/187	✓	✓	✓										2KJ3500 - ■■■■■■ - ■■ H1	
6.99	207	38	2100	21.7	0.17	713/102	✓	✓	✓										2KJ3500 - ■■■■■■ - ■■ G1	
6.45	225	39	2060	21.6	0.20	1426/221	✓	✓	✓										2KJ3500 - ■■■■■■ - ■■ F1	
5.61	258	37	1990	22.3	0.22	667/119	✓	✓	✓										2KJ3500 - ■■■■■■ - ■■ E1	
4.87	298	35	1930	21.6	0.24	414/85	✓	✓	✓										2KJ3500 - ■■■■■■ - ■■ D1	
4.40	330	34	1880	22.0	0.32	299/68	✓	✓	✓										2KJ3500 - ■■■■■■ - ■■ C1	
4.14	350	33	1850	22.0	0.37	1196/289	✓	✓	✓										2KJ3500 - ■■■■■■ - ■■ B1	
3.61	402	31	1780	22.8	0.43	184/51	✓	✓	✓										2KJ3500 - ■■■■■■ - ■■ 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, C or D** [see page 10/42](#)¹⁾ Only in conjunction with reduced-backlash version

SIMOGEAR geared motors

Bevel 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	$\varphi^{1)}$	<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	160	180	200	225	250	
B.29																			
46.85	31	110	4130	10.6	0.04	1265/27	✓	✓											2KJ3501 - ■■■■■■ - ■■ B2
41.56	35	110	4130	11.0	0.05	374/9	✓	✓	✓	✓									2KJ3501 - ■■■■■■ - ■■ A2
36.06	40	110	4130	11.1	0.06	649/18	✓	✓	✓	✓									2KJ3501 - ■■■■■■ - ■■ X1
32.78	44	110	4130	11.1	0.07	295/9	✓	✓	✓	✓									2KJ3501 - ■■■■■■ - ■■ W1
28.11	52	110	4130	11.2	0.09	253/9	✓	✓	✓	✓									2KJ3501 - ■■■■■■ - ■■ V1
25.56	57	110	4130	11.2	0.11	230/9	✓	✓	✓	✓									2KJ3501 - ■■■■■■ - ■■ U1
22.41	65	110	4130	11.4	0.13	605/27	✓	✓	✓	✓	✓								2KJ3501 - ■■■■■■ - ■■ T1
20.00	72	110	4130	11.4	0.16	20/1	✓	✓	✓	✓	✓								2KJ3501 - ■■■■■■ - ■■ S1
17.82	81	110	4130	11.5	0.19	1925/108	✓	✓	✓	✓	✓								2KJ3501 - ■■■■■■ - ■■ R1
16.45	88	110	4130	11.5	0.23	1925/117	✓	✓	✓	✓	✓								2KJ3501 - ■■■■■■ - ■■ Q1
14.40	101	110	4020	11.7	0.28	605/42	✓	✓	✓	✓	✓								2KJ3501 - ■■■■■■ - ■■ P1
12.63	115	110	3800	12.0	0.27	341/27	✓	✓	✓	✓	✓								2KJ3501 - ■■■■■■ - ■■ N1
11.46	127	110	3650	12.1	0.38	275/24	✓	✓	✓	✓	✓								2KJ3501 - ■■■■■■ - ■■ M1
10.78	135	110	3560	12.1	0.44	550/51	✓	✓	✓	✓	✓								2KJ3501 - ■■■■■■ - ■■ L1
9.51	152	110	3370	11.8	0.50	770/81	✓	✓	✓	✓	✓								2KJ3501 - ■■■■■■ - ■■ K1
8.25	176	110	3160	12.0	0.67	33/4	✓	✓	✓	✓	✓								2KJ3501 - ■■■■■■ - ■■ J1
7.84	185	75	3350	16.5	0.41	345/44	✓	✓	✓	✓	✓								2KJ3501 - ■■■■■■ - ■■ H1
7.38	196	75	3260	16.5	0.48	1380/187	✓	✓	✓	✓	✓								2KJ3501 - ■■■■■■ - ■■ G1
6.51	223	75	3100	16.1	0.54	644/99	✓	✓	✓	✓	✓								2KJ3501 - ■■■■■■ - ■■ F1
5.65	257	75	2920	16.3	0.73	621/110	✓	✓	✓	✓	✓								2KJ3501 - ■■■■■■ - ■■ E1
5.07	286	74	2900	18.9	0.60	345/68	✓	✓	✓	✓	✓								2KJ3501 - ■■■■■■ - ■■ D1
4.78	303	74	2830	18.9	0.70	1380/289	✓	✓	✓	✓	✓								2KJ3501 - ■■■■■■ - ■■ C1
4.21	344	74	2680	18.2	0.82	644/153	✓	✓	✓	✓	✓								2KJ3501 - ■■■■■■ - ■■ B1
3.65	397	73	2550	18.6	1.10	621/170	✓	✓	✓	✓	✓								2KJ3501 - ■■■■■■ - ■■ 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, C or D	see page 10/42

¹⁾ Only in conjunction with reduced-backlash version

SIMOGEAR geared motors

Bevel 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	$\varphi^{1)}$ °	<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	160	180	200	225	250	
B.39																			
56.36	26	250	6980	8.5	0.06	4565/81	✓	✓											2KJ3502 - ■■■■■■ - ■■ A2
50.11	29	210	6980	8.8	0.08	451/9	✓	✓	✓	✓									2KJ3502 - ■■■■■■ - ■■ X1
44.00	33	250	6980	8.9	0.09	44/1	✓	✓	✓	✓									2KJ3502 - ■■■■■■ - ■■ W1
40.00	36	230	6980	8.9	0.11	40/1	✓	✓	✓	✓									2KJ3502 - ■■■■■■ - ■■ V1
34.22	42	250	6980	8.9	0.13	308/9	✓	✓	✓	✓									2KJ3502 - ■■■■■■ - ■■ U1
31.11	47	250	6980	8.9	0.16	280/9	✓	✓	✓	✓									2KJ3502 - ■■■■■■ - ■■ T1
27.50	53	250	6980	9.0	0.20	55/2	✓	✓	✓	✓	✓	✓							2KJ3502 - ■■■■■■ - ■■ S1
25.00	58	250	6980	9.0	0.26	25/1	✓	✓	✓	✓	✓	✓							2KJ3502 - ■■■■■■ - ■■ R1
21.90	66	250	6720	9.2	0.30	2365/108	✓	✓	✓	✓	✓	✓							2KJ3502 - ■■■■■■ - ■■ Q1
20.21	72	250	6490	9.2	0.36	2365/117	✓	✓	✓	✓	✓	✓							2KJ3502 - ■■■■■■ - ■■ P1
17.90	81	250	6160	9.3	0.43	2255/126	✓	✓	✓	✓	✓	✓							2KJ3502 - ■■■■■■ - ■■ N1
14.90	97	250	5680	9.5	0.58	715/48	✓	✓	✓	✓	✓	✓							2KJ3502 - ■■■■■■ - ■■ M1
14.02	103	250	5520	9.5	0.67	715/51	✓	✓	✓	✓	✓	✓							2KJ3502 - ■■■■■■ - ■■ L1
12.56	115	250	5260	9.6	0.75	2035/162	✓	✓	✓	✓	✓	✓							2KJ3502 - ■■■■■■ - ■■ K1
10.69	136	240	4960	9.8	0.98	385/36	✓	✓	✓	✓	✓	✓							2KJ3502 - ■■■■■■ - ■■ J1
9.17	158	230	4690	10.1	1.29	55/6			✓	✓	✓	✓							2KJ3502 - ■■■■■■ - ■■ H1
7.89	184	220	4550	10.3	1.66	1705/216			✓	✓	✓	✓							2KJ3502 - ■■■■■■ - ■■ G1
6.60	220	200	4590	15.1	0.94	897/136	✓	✓	✓	✓	✓	✓							2KJ3502 - ■■■■■■ - ■■ F1
6.21	233	200	4550	15.1	1.08	1794/289	✓	✓	✓	✓	✓	✓							2KJ3502 - ■■■■■■ - ■■ E1
5.56	261	200	4460	15.5	1.26	851/153	✓	✓	✓	✓	✓	✓							2KJ3502 - ■■■■■■ - ■■ D1
4.74	306	200	4330	16.0	1.69	161/34	✓	✓	✓	✓	✓	✓							2KJ3502 - ■■■■■■ - ■■ C1
4.06	357	200	4190	16.5	2.30	69/17			✓	✓	✓	✓							2KJ3502 - ■■■■■■ - ■■ B1
3.50	414	192	4050	17.1	3.00	713/204			✓	✓	✓	✓							2KJ3502 - ■■■■■■ - ■■ 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, C or D** [see page 10/42](#)¹⁾ Only in conjunction with reduced-backlash version

SIMOGEAR geared motors

Bevel 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	$\varphi^{1)}$	<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	160	180	200	225	250	
B.49																			
59.28	24	450	9510	8.3	0.19	1067/18	✓	✓	✓	✓									2KJ3503 - ■■■■■■ - ■■ C2
53.89	27	450	9120	8.3	0.23	485/9	✓	✓	✓	✓									2KJ3503 - ■■■■■■ - ■■ B2
45.83	32	450	8480	8.3	0.28	275/6	✓	✓	✓	✓									2KJ3503 - ■■■■■■ - ■■ A2
41.67	35	450	8120	8.3	0.34	125/3	✓	✓	✓	✓									2KJ3503 - ■■■■■■ - ■■ X1
37.18	39	450	7710	8.4	0.40	4015/108	✓	✓	✓	✓	✓	✓							2KJ3503 - ■■■■■■ - ■■ W1
33.33	44	450	7320	8.4	0.48	100/3	✓	✓	✓	✓	✓	✓							2KJ3503 - ■■■■■■ - ■■ V1
30.05	48	450	6970	8.4	0.56	3245/108	✓	✓	✓	✓	✓	✓							2KJ3503 - ■■■■■■ - ■■ U1
27.74	52	450	6710	8.4	0.67	3245/117	✓	✓	✓	✓	✓	✓							2KJ3503 - ■■■■■■ - ■■ T1
25.32	57	450	6420	8.5	0.80	1595/63	✓	✓	✓	✓	✓	✓	✓						2KJ3503 - ■■■■■■ - ■■ S1
21.01	69	450	5850	8.6	1.03	3025/144	✓	✓	✓	✓	✓	✓	✓						2KJ3503 - ■■■■■■ - ■■ R1
19.77	73	450	5670	8.6	1.18	3025/153	✓	✓	✓	✓	✓	✓	✓						2KJ3503 - ■■■■■■ - ■■ Q1
18.67	78	450	5510	8.6	1.34	3025/162	✓	✓	✓	✓	✓	✓	✓						2KJ3503 - ■■■■■■ - ■■ P1
15.89	91	450	5060	8.7	1.66	143/9	✓	✓	✓	✓	✓	✓	✓						2KJ3503 - ■■■■■■ - ■■ N1
13.61	107	450	4660	8.9	2.10	245/18			✓	✓	✓	✓	✓	✓					2KJ3503 - ■■■■■■ - ■■ M1
11.97	121	450	4340	9.0	2.50	2585/216			✓	✓	✓	✓	✓	✓					2KJ3503 - ■■■■■■ - ■■ L1
10.10	144	450	3930	9.2	3.30	2090/207			✓	✓	✓	✓	✓	✓					2KJ3503 - ■■■■■■ - ■■ K1
8.80	165	450	3620	9.7	4.40	44/5			✓	✓	✓	✓	✓	✓					2KJ3503 - ■■■■■■ - ■■ J1
8.29	175	330	4540	14.1	1.52	2255/272	✓	✓	✓	✓	✓	✓	✓	✓					2KJ3503 - ■■■■■■ - ■■ H1
7.80	186	330	4410	14.1	1.74	2255/289	✓	✓	✓	✓	✓	✓	✓	✓					2KJ3503 - ■■■■■■ - ■■ G1
7.37	197	330	4290	14.1	1.97	2255/306	✓	✓	✓	✓	✓	✓	✓	✓					2KJ3503 - ■■■■■■ - ■■ F1
6.27	231	330	3970	14.4	2.50	533/85	✓	✓	✓	✓	✓	✓	✓	✓					2KJ3503 - ■■■■■■ - ■■ E1
5.37	270	330	3700	14.8	3.30	2009/374			✓	✓	✓	✓	✓	✓					2KJ3503 - ■■■■■■ - ■■ D1
4.72	307	330	3690	15.1	4.10	1927/408			✓	✓	✓	✓	✓	✓					2KJ3503 - ■■■■■■ - ■■ C1
3.98	364	330	3660	15.6	5.40	1558/391			✓	✓	✓	✓	✓	✓					2KJ3503 - ■■■■■■ - ■■ B1
3.47	418	325	3610	17.0	7.20	1476/425			✓	✓	✓	✓	✓	✓					2KJ3503 - ■■■■■■ - ■■ 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, C or D** [see page 10/42](#)

¹⁾ Only in conjunction with reduced-backlash version

SIMOGEAR geared motors

Bevel geared motors

Transmission ratios and torques

Selection and ordering data

i —	n ₂ rpm	T _{2N} Nm	F _{R2} N	φ ¹⁾ °	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	160	180	200	225	250	
K.39																			
157.32	9.2	220	6080	7.3	0.04	3933/25	✓	✓											2KJ3504 - ■■■■■■ - ■■ J2
139.54	10	220	6080	7.4	0.05	17442/125	✓	✓	✓	✓									2KJ3504 - ■■■■■■ - ■■ H2
121.07	12	220	6080	7.4	0.06	30267/250	✓	✓	✓	✓									2KJ3504 - ■■■■■■ - ■■ G2
110.06	13	220	6080	7.4	0.07	30267/275	✓	✓	✓	✓									2KJ3504 - ■■■■■■ - ■■ F2
94.39	15	220	6080	7.4	0.09	11799/125	✓	✓	✓	✓									2KJ3504 - ■■■■■■ - ■■ E2
85.81	17	220	6080	7.4	0.11	23598/275	✓	✓	✓	✓									2KJ3504 - ■■■■■■ - ■■ D2
75.24	19	220	6080	7.5	0.12	1881/25	✓	✓	✓	✓	✓	✓							2KJ3504 - ■■■■■■ - ■■ C2
67.16	22	220	6080	7.5	0.15	18468/275	✓	✓	✓	✓	✓	✓							2KJ3504 - ■■■■■■ - ■■ B2
59.85	24	220	6080	7.5	0.18	1197/20	✓	✓	✓	✓	✓	✓							2KJ3504 - ■■■■■■ - ■■ A2
55.25	26	220	6080	7.5	0.22	3591/65	✓	✓	✓	✓	✓	✓							2KJ3504 - ■■■■■■ - ■■ X1
48.37	30	220	6080	7.6	0.26	16929/350	✓	✓	✓	✓	✓	✓							2KJ3504 - ■■■■■■ - ■■ W1
42.41	34	220	5790	7.7	0.24	5301/125	✓	✓	✓	✓	✓	✓							2KJ3504 - ■■■■■■ - ■■ V1
38.47	38	220	5540	7.7	0.34	1539/40	✓	✓	✓	✓	✓	✓							2KJ3504 - ■■■■■■ - ■■ U1
36.21	40	220	5390	7.7	0.40	3078/85	✓	✓	✓	✓	✓	✓							2KJ3504 - ■■■■■■ - ■■ T1
31.92	45	220	5080	7.6	0.44	798/25	✓	✓	✓	✓	✓	✓							2KJ3504 - ■■■■■■ - ■■ S1
27.70	52	220	4760	7.7	0.60	13851/500	✓	✓	✓	✓	✓	✓							2KJ3504 - ■■■■■■ - ■■ R1
26.89	54	220	4690	9.2	0.26	6804/253	✓	✓	✓	✓	✓	✓							2KJ3504 - ■■■■■■ - ■■ Q1
23.97	60	220	4440	9.3	0.32	2205/92	✓	✓	✓	✓	✓	✓							2KJ3504 - ■■■■■■ - ■■ P1
22.12	66	220	4270	9.3	0.38	6615/299	✓	✓	✓	✓	✓	✓							2KJ3504 - ■■■■■■ - ■■ N1
19.37	75	220	4000	9.4	0.47	891/46	✓	✓	✓	✓	✓	✓							2KJ3504 - ■■■■■■ - ■■ M1
16.98	85	220	3740	9.6	0.51	1953/115	✓	✓	✓	✓	✓	✓							2KJ3504 - ■■■■■■ - ■■ L1
15.41	94	220	3560	9.7	0.67	2835/184	✓	✓	✓	✓	✓	✓							2KJ3504 - ■■■■■■ - ■■ K1
14.50	100	220	3450	9.7	0.78	5670/391	✓	✓	✓	✓	✓	✓							2KJ3504 - ■■■■■■ - ■■ J1
12.78	113	220	3220	9.7	0.92	294/23	✓	✓	✓	✓	✓	✓							2KJ3504 - ■■■■■■ - ■■ H1
11.09	131	220	2990	9.8	1.24	5103/460	✓	✓	✓	✓	✓	✓							2KJ3504 - ■■■■■■ - ■■ G1
10.04	144	184	2880	14.7	0.55	231/23	✓	✓	✓	✓	✓	✓							2KJ3504 - ■■■■■■ - ■■ F1
8.81	165	183	2790	15.1	0.62	3038/345	✓	✓	✓	✓	✓	✓							2KJ3504 - ■■■■■■ - ■■ E1
7.99	181	175	2810	15.3	0.80	735/92	✓	✓	✓	✓	✓	✓							2KJ3504 - ■■■■■■ - ■■ D1
7.52	193	171	2810	15.3	0.92	2940/391	✓	✓	✓	✓	✓	✓							2KJ3504 - ■■■■■■ - ■■ C1
6.63	219	161	2820	15.3	1.11	1372/207	✓	✓	✓	✓	✓	✓							2KJ3504 - ■■■■■■ - ■■ B1
5.75	252	150	2810	15.4	1.49	1323/230	✓	✓	✓	✓	✓	✓							2KJ3504 - ■■■■■■ - ■■ 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, C or D	see page 10/42

¹⁾ Only in conjunction with reduced-backlash version

SIMOGEAR geared motors

Bevel geared motors

Transmission ratios and torques

Selection and ordering data

i —	n ₂ rpm	T _{2N} Nm	F _{R2} N	φ ¹⁾	J _G 10 ⁻⁴ kgm²	R _{ex} —	Motor frame size												Article No. (Article No. supplement, see below)
							63	71	80	90	100	112	132	160	180	200	225	250	
K.49																			
200.25	7.2	420	7820	6.7	0.06	12616/63	✓	✓											2KJ3505 - ■■■■■■ - ■■ J2
178.06	8.1	420	7820	6.8	0.07	6232/35	✓	✓	✓	✓									2KJ3505 - ■■■■■■ - ■■ H2
156.34	9.3	420	7820	6.8	0.08	5472/35	✓	✓	✓	✓									2KJ3505 - ■■■■■■ - ■■ G2
142.13	10	420	7820	6.8	0.10	10944/77	✓	✓	✓	✓									2KJ3505 - ■■■■■■ - ■■ F2
121.60	12	420	7820	6.8	0.12	608/5	✓	✓	✓	✓									2KJ3505 - ■■■■■■ - ■■ E2
110.55	13	420	7820	6.8	0.14	1216/11	✓	✓	✓	✓									2KJ3505 - ■■■■■■ - ■■ D2
97.71	15	420	7710	6.8	0.17	684/7	✓	✓	✓	✓	✓	✓							2KJ3505 - ■■■■■■ - ■■ C2
88.83	16	420	7370	6.8	0.22	6840/77	✓	✓	✓	✓	✓	✓							2KJ3505 - ■■■■■■ - ■■ B2
77.81	19	420	6910	6.9	0.25	1634/21	✓	✓	✓	✓	✓	✓							2KJ3505 - ■■■■■■ - ■■ A2
71.82	20	420	6640	6.9	0.30	6536/91	✓	✓	✓	✓	✓	✓							2KJ3505 - ■■■■■■ - ■■ X1
63.59	23	420	6250	6.9	0.37	3116/49	✓	✓	✓	✓	✓	✓	✓						2KJ3505 - ■■■■■■ - ■■ W1
52.93	27	420	5680	7.0	0.50	741/14	✓	✓	✓	✓	✓	✓	✓						2KJ3505 - ■■■■■■ - ■■ V1
49.82	29	420	5500	7.0	0.58	5928/119	✓	✓	✓	✓	✓	✓	✓						2KJ3505 - ■■■■■■ - ■■ U1
44.63	32	420	5190	7.0	0.65	2812/63	✓	✓	✓	✓	✓	✓	✓						2KJ3505 - ■■■■■■ - ■■ T1
38.00	38	420	4740	7.1	0.84	38/1	✓	✓	✓	✓	✓	✓	✓						2KJ3505 - ■■■■■■ - ■■ S1
32.57	45	420	4340	7.1	1.11	228/7			✓	✓	✓	✓	✓	✓					2KJ3505 - ■■■■■■ - ■■ R1
28.05	52	420	3970	7.2	1.43	589/21			✓	✓	✓	✓	✓	✓					2KJ3505 - ■■■■■■ - ■■ Q1
26.30	55	420	3820	8.6	0.52	55040/2093	✓	✓	✓	✓	✓	✓							2KJ3505 - ■■■■■■ - ■■ P1
23.28	62	420	3540	8.7	0.65	26240/1127	✓	✓	✓	✓	✓	✓	✓						2KJ3505 - ■■■■■■ - ■■ N1
19.38	75	420	3130	8.8	0.90	3120/161	✓	✓	✓	✓	✓	✓	✓						2KJ3505 - ■■■■■■ - ■■ M1
18.24	79	420	3000	8.8	1.03	49920/2737	✓	✓	✓	✓	✓	✓	✓						2KJ3505 - ■■■■■■ - ■■ L1
16.34	89	420	2780	9.0	1.21	23680/1449	✓	✓	✓	✓	✓	✓	✓						2KJ3505 - ■■■■■■ - ■■ K1
13.91	104	420	2880	9.1	1.62	320/23	✓	✓	✓	✓	✓	✓	✓						2KJ3505 - ■■■■■■ - ■■ J1
11.93	122	420	3000	9.3	2.20	1920/161			✓	✓	✓	✓	✓						2KJ3505 - ■■■■■■ - ■■ H1
10.27	141	415	3080	9.5	2.90	4960/483			✓	✓	✓	✓	✓						2KJ3505 - ■■■■■■ - ■■ G1
9.75	149	275	2960	14.2	1.03	39/4	✓	✓	✓	✓	✓	✓	✓						2KJ3505 - ■■■■■■ - ■■ F1
9.18	158	270	2980	14.2	1.19	156/17	✓	✓	✓	✓	✓	✓	✓						2KJ3505 - ■■■■■■ - ■■ E1
8.22	176	255	3010	14.5	1.40	74/9	✓	✓	✓	✓	✓	✓	✓						2KJ3505 - ■■■■■■ - ■■ D1
7.00	207	240	3030	14.8	1.88	7/1	✓	✓	✓	✓	✓	✓	✓						2KJ3505 - ■■■■■■ - ■■ C1
6.00	242	225	3020	15.2	2.50	6/1			✓	✓	✓	✓	✓						2KJ3505 - ■■■■■■ - ■■ B1
5.17	280	210	2990	15.4	3.30	31/6			✓	✓	✓	✓	✓						2KJ3505 - ■■■■■■ - ■■ 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, C or D	see page 10/42

¹⁾ Only in conjunction with reduced-backlash version

SIMOGEAR geared motors

Bevel 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	$\varphi^{1)}$ °	<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	160	180	200	225	250	
K.69																			
196.59	7.4	600	10800	6.4	0.17	14744/75	✓	✓	✓	✓									2KJ3507 - ■■■■■■ - ■■ H2
178.72	8.1	600	10800	6.4	0.20	29488/165	✓	✓	✓	✓									2KJ3507 - ■■■■■■ - ■■ G2
152.00	9.5	600	10800	6.4	0.25	152/1	✓	✓	✓	✓									2KJ3507 - ■■■■■■ - ■■ F2
138.18	10	600	10800	6.4	0.30	1520/11	✓	✓	✓	✓									2KJ3507 - ■■■■■■ - ■■ E2
123.29	12	600	10800	6.4	0.35	5548/45	✓	✓	✓	✓	✓	✓							2KJ3507 - ■■■■■■ - ■■ D2
110.55	13	600	10800	6.4	0.42	1216/11	✓	✓	✓	✓	✓	✓							2KJ3507 - ■■■■■■ - ■■ C2
99.64	15	600	10800	6.4	0.49	4484/45	✓	✓	✓	✓	✓	✓							2KJ3507 - ■■■■■■ - ■■ B2
91.98	16	600	10600	6.4	0.58	17936/195	✓	✓	✓	✓	✓	✓							2KJ3507 - ■■■■■■ - ■■ A2
83.96	17	600	10100	6.4	0.69	8816/105	✓	✓	✓	✓	✓	✓	✓						2KJ3507 - ■■■■■■ - ■■ X1
69.67	21	600	9300	6.5	0.87	209/3	✓	✓	✓	✓	✓	✓	✓						2KJ3507 - ■■■■■■ - ■■ W1
65.57	22	600	9030	6.5	1.01	3344/51	✓	✓	✓	✓	✓	✓	✓						2KJ3507 - ■■■■■■ - ■■ V1
61.93	23	600	8770	6.5	1.15	1672/27	✓	✓	✓	✓	✓	✓	✓						2KJ3507 - ■■■■■■ - ■■ U1
52.69	28	600	8090	6.5	1.40	3952/75	✓	✓	✓	✓	✓	✓	✓						2KJ3507 - ■■■■■■ - ■■ T1
45.14	32	600	7470	6.5	1.70	7448/165			✓	✓	✓	✓	✓						2KJ3507 - ■■■■■■ - ■■ S1
39.69	37	600	6980	6.5	2.10	1786/45			✓	✓	✓	✓	✓	✓					2KJ3507 - ■■■■■■ - ■■ R1
33.48	43	580	6500	6.5	2.60	11552/345			✓	✓	✓	✓	✓	✓					2KJ3507 - ■■■■■■ - ■■ Q1
29.18	50	555	6200	6.5	3.50	3648/125			✓	✓	✓	✓	✓	✓					2KJ3507 - ■■■■■■ - ■■ P1
26.05	56	600	5500	7.8	1.25	3751/144	✓	✓	✓	✓	✓	✓	✓						2KJ3507 - ■■■■■■ - ■■ N1
24.52	59	595	5340	7.8	1.44	3751/153	✓	✓	✓	✓	✓	✓	✓						2KJ3507 - ■■■■■■ - ■■ M1
23.15	63	585	5230	7.8	1.63	3751/162	✓	✓	✓	✓	✓	✓	✓						2KJ3507 - ■■■■■■ - ■■ L1
19.70	74	555	4950	8.0	2.10	4433/225	✓	✓	✓	✓	✓	✓	✓						2KJ3507 - ■■■■■■ - ■■ K1
16.88	86	530	4680	8.0	2.60	1519/90			✓	✓	✓	✓	✓	✓					2KJ3507 - ■■■■■■ - ■■ J1
14.84	98	515	4430	8.0	3.30	16027/1080			✓	✓	✓	✓	✓	✓					2KJ3507 - ■■■■■■ - ■■ H1
12.52	116	490	4170	8.0	4.30	12958/1035			✓	✓	✓	✓	✓	✓					2KJ3507 - ■■■■■■ - ■■ G1
10.91	133	470	3960	8.0	5.70	1364/125			✓	✓	✓	✓	✓	✓					2KJ3507 - ■■■■■■ - ■■ F1
9.34	155	370	3640	13.0	2.40	3224/345	✓	✓	✓	✓	✓	✓	✓	✓					2KJ3507 - ■■■■■■ - ■■ E1
8.01	181	365	3330	13.0	3.10	6076/759			✓	✓	✓	✓	✓	✓					2KJ3507 - ■■■■■■ - ■■ D1
7.04	206	365	3210	13.0	3.90	1457/207			✓	✓	✓	✓	✓	✓					2KJ3507 - ■■■■■■ - ■■ C1
5.94	244	345	3350	13.0	5.10	9424/1587			✓	✓	✓	✓	✓	✓					2KJ3507 - ■■■■■■ - ■■ B1
5.18	280	330	3420	13.0	6.80	2976/575			✓	✓	✓	✓	✓	✓					2KJ3507 - ■■■■■■ - ■■ 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, C or D** [see page 10/42](#)¹⁾ Only in conjunction with reduced-backlash version

SIMOGEAR geared motors

Bevel geared motors

Transmission ratios and torques

Selection and ordering data

i —	n ₂ rpm	T _{2N} Nm	F _{R2} N	φ ¹⁾	J _G 10 ⁻⁴ kgm²	R _{ex} —	Motor frame size												Article No. (Article No. supplement, see below)
							63	71	80	90	100	112	132	160	180	200	225	250	
K.79																			
244.25	5.9	820	13900	5.7	0.17	175861/720	✓	✓	✓	✓								2KJ3508 - ■■■■■■ - ■■ J2	
222.05	6.5	820	13900	5.7	0.20	175861/792	✓	✓	✓	✓								2KJ3508 - ■■■■■■ - ■■ H2	
188.85	7.7	820	13900	5.7	0.25	9065/48	✓	✓	✓	✓								2KJ3508 - ■■■■■■ - ■■ G2	
171.69	8.4	820	13900	5.7	0.31	45325/264	✓	✓	✓	✓								2KJ3508 - ■■■■■■ - ■■ F2	
153.18	9.5	820	13900	5.8	0.35	132349/864	✓	✓	✓	✓	✓	✓						2KJ3508 - ■■■■■■ - ■■ E2	
137.35	11	820	13900	5.8	0.42	9065/66	✓	✓	✓	✓	✓	✓						2KJ3508 - ■■■■■■ - ■■ D2	
123.80	12	820	13900	5.8	0.50	106967/864	✓	✓	✓	✓	✓	✓						2KJ3508 - ■■■■■■ - ■■ C2	
114.28	13	820	13900	5.8	0.59	106967/936	✓	✓	✓	✓	✓	✓						2KJ3508 - ■■■■■■ - ■■ B2	
104.32	14	820	13900	5.8	0.70	7511/72	✓	✓	✓	✓	✓	✓	✓					2KJ3508 - ■■■■■■ - ■■ A2	
86.56	17	820	13900	5.8	0.89	99715/1152	✓	✓	✓	✓	✓	✓	✓					2KJ3508 - ■■■■■■ - ■■ X1	
81.47	18	820	13900	5.8	1.02	99715/1224	✓	✓	✓	✓	✓	✓	✓					2KJ3508 - ■■■■■■ - ■■ W1	
76.94	19	820	13900	5.8	1.16	99715/1296	✓	✓	✓	✓	✓	✓	✓					2KJ3508 - ■■■■■■ - ■■ V1	
65.47	22	820	13900	5.9	1.42	23569/360	✓	✓	✓	✓	✓	✓	✓					2KJ3508 - ■■■■■■ - ■■ U1	
56.08	26	820	13900	5.9	1.73	88837/1584			✓	✓	✓	✓	✓					2KJ3508 - ■■■■■■ - ■■ T1	
49.31	29	820	13900	5.9	2.10	85211/1728			✓	✓	✓	✓	✓					2KJ3508 - ■■■■■■ - ■■ S1	
41.60	35	800	14000	6.0	2.70	34447/828			✓	✓	✓	✓	✓					2KJ3508 - ■■■■■■ - ■■ R1	
36.26	40	770	14000	6.1	3.60	1813/50			✓	✓	✓	✓	✓					2KJ3508 - ■■■■■■ - ■■ Q1	
32.78	44	820	13900	7.2	0.94	6293/192	✓	✓	✓	✓	✓	✓	✓					2KJ3508 - ■■■■■■ - ■■ P1	
27.20	53	800	14000	7.3	1.23	83545/3072	✓	✓	✓	✓	✓	✓	✓					2KJ3508 - ■■■■■■ - ■■ N1	
25.60	57	785	14000	7.3	1.41	83545/3264	✓	✓	✓	✓	✓	✓	✓					2KJ3508 - ■■■■■■ - ■■ M1	
24.17	60	770	14000	7.3	1.60	83545/3456	✓	✓	✓	✓	✓	✓	✓					2KJ3508 - ■■■■■■ - ■■ L1	
20.57	70	740	14100	7.4	2.00	19747/960	✓	✓	✓	✓	✓	✓	✓					2KJ3508 - ■■■■■■ - ■■ K1	
17.62	82	715	13800	7.5	2.60	74431/4224			✓	✓	✓	✓	✓					2KJ3508 - ■■■■■■ - ■■ J1	
15.49	94	695	13300	7.6	3.20	71393/4608			✓	✓	✓	✓	✓					2KJ3508 - ■■■■■■ - ■■ H1	
13.07	111	665	12600	7.8	4.20	28861/2208			✓	✓	✓	✓	✓					2KJ3508 - ■■■■■■ - ■■ G1	
11.39	127	645	12000	8.3	5.50	4557/400			✓	✓	✓	✓	✓					2KJ3508 - ■■■■■■ - ■■ F1	
10.51	138	445	12600	10.4	2.30	1209/115	✓	✓	✓	✓	✓	✓	✓					2KJ3508 - ■■■■■■ - ■■ E1	
9.01	161	450	11900	10.6	3.00	4557/506			✓	✓	✓	✓	✓					2KJ3508 - ■■■■■■ - ■■ D1	
7.92	183	450	11300	10.8	3.70	1457/184			✓	✓	✓	✓	✓					2KJ3508 - ■■■■■■ - ■■ C1	
6.68	217	455	10900	11.1	4.90	3534/529			✓	✓	✓	✓	✓					2KJ3508 - ■■■■■■ - ■■ B1	
5.82	249	430	10700	12.1	6.60	3348/575			✓	✓	✓	✓	✓					2KJ3508 - ■■■■■■ - ■■ 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, C or D	see page 10/42

¹⁾ Only in conjunction with reduced-backlash version

SIMOGEAR geared motors

Bevel 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	φ ¹⁾ °	<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	160	180	200	225	250	
K.89																			
231.80	6.3	1600	18100	5.6	0.42	10199/44		✓	✓	✓									2KJ3510 - ■■■■■■ - ■■ K2
210.72	6.9	1600	18100	5.6	0.51	50995/242		✓	✓	✓									2KJ3510 - ■■■■■■ - ■■ J2
189.01	7.7	1600	18100	5.6	0.71	149695/792		✓	✓	✓	✓	✓							2KJ3510 - ■■■■■■ - ■■ H2
169.94	8.5	1600	18100	5.6	0.80	41125/242		✓	✓	✓	✓	✓							2KJ3510 - ■■■■■■ - ■■ G2
153.70	9.4	1600	18100	5.6	0.88	60865/396		✓	✓	✓	✓	✓							2KJ3510 - ■■■■■■ - ■■ F2
141.88	10	1600	18100	5.6	1.05	60865/429		✓	✓	✓	✓	✓							2KJ3510 - ■■■■■■ - ■■ E2
129.96	11	1600	18100	5.6	1.37	17155/132		✓	✓	✓	✓	✓	✓	✓					2KJ3510 - ■■■■■■ - ■■ D2
109.04	13	1600	18100	5.6	1.45	57575/528		✓	✓	✓	✓	✓	✓	✓					2KJ3510 - ■■■■■■ - ■■ C2
102.63	14	1600	18100	5.6	1.66	57575/561		✓	✓	✓	✓	✓	✓	✓					2KJ3510 - ■■■■■■ - ■■ B2
94.16	15	1600	18100	5.6	1.81	27965/297		✓	✓	✓	✓	✓	✓	✓					2KJ3510 - ■■■■■■ - ■■ A2
82.25	18	1600	18100	5.6	2.60	329/4		✓	✓	✓	✓	✓	✓	✓					2KJ3510 - ■■■■■■ - ■■ X1
73.64	20	1600	18100	5.6	3.20	106925/1452			✓	✓	✓	✓	✓	✓					2KJ3510 - ■■■■■■ - ■■ W1
64.39	23	1600	18100	5.6	3.70	50995/792			✓	✓	✓	✓	✓	✓					2KJ3510 - ■■■■■■ - ■■ V1
55.27	26	1600	18100	5.6	4.10	27965/506			✓	✓	✓	✓	✓	✓					2KJ3510 - ■■■■■■ - ■■ U1
48.85	30	1600	18100	5.6	5.20	16121/330			✓	✓	✓	✓	✓	✓					2KJ3510 - ■■■■■■ - ■■ T1
41.54	35	1570	18100	5.6	6.60	8225/198					✓	✓	✓	✓					2KJ3510 - ■■■■■■ - ■■ S1
39.29	37	1600	18100	7.0	1.86	11315/288		✓	✓	✓	✓	✓	✓	✓					2KJ3510 - ■■■■■■ - ■■ R1
32.96	44	1600	18100	7.0	2.10	37975/1152		✓	✓	✓	✓	✓	✓	✓					2KJ3510 - ■■■■■■ - ■■ Q1
31.03	47	1600	18100	7.0	2.40	37975/1224		✓	✓	✓	✓	✓	✓	✓					2KJ3510 - ■■■■■■ - ■■ P1
28.46	51	1600	18100	7.0	2.70	18445/648		✓	✓	✓	✓	✓	✓	✓					2KJ3510 - ■■■■■■ - ■■ N1
24.86	58	1600	18100	7.1	3.80	2387/96		✓	✓	✓	✓	✓	✓	✓					2KJ3510 - ■■■■■■ - ■■ M1
22.26	65	1600	18100	7.1	4.70	70525/3168			✓	✓	✓	✓	✓	✓					2KJ3510 - ■■■■■■ - ■■ L1
19.46	75	1560	17900	7.1	5.70	33635/1728			✓	✓	✓	✓	✓	✓					2KJ3510 - ■■■■■■ - ■■ K1
16.71	87	1480	17200	7.1	6.80	18445/1104			✓	✓	✓	✓	✓	✓					2KJ3510 - ■■■■■■ - ■■ J1
14.77	98	1420	16600	7.1	8.60	10633/720			✓	✓	✓	✓	✓	✓					2KJ3510 - ■■■■■■ - ■■ H1
12.56	115	1330	16300	7.1	11.00	5425/432					✓	✓	✓	✓					2KJ3510 - ■■■■■■ - ■■ G1
10.76	135	1250	16100	7.1	15.00	775/72					✓	✓	✓	✓					2KJ3510 - ■■■■■■ - ■■ F1
10.51	138	845	16100	10.8	6.40	6727/640			✓	✓	✓	✓	✓	✓					2KJ3510 - ■■■■■■ - ■■ E1
9.02	161	800	15400	10.8	7.70	33201/3680			✓	✓	✓	✓	✓	✓					2KJ3510 - ■■■■■■ - ■■ D1
7.97	182	770	14800	10.8	9.80	31899/4000			✓	✓	✓	✓	✓	✓					2KJ3510 - ■■■■■■ - ■■ C1
6.78	214	720	14500	10.8	13.00	217/32					✓	✓	✓	✓					2KJ3510 - ■■■■■■ - ■■ B1
5.81	250	675	14200	10.8	17.00	93/16					✓	✓	✓	✓					2KJ3510 - ■■■■■■ - ■■ 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, C or D	see page 10/42

¹⁾ Only in conjunction with reduced-backlash version

SIMOGEAR geared motors

Bevel geared motors

Transmission ratios and torques

Selection and ordering data

i	n ₂ rpm	T _{2N} Nm	F _{R2} N	φ ¹⁾	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	160	180	200	225	250	
K.109																			
216.65	6.7	2900	24500	5.6	1.27	107242/495			✓	✓	✓	✓							2KJ3511 - ■■■■■■ - ■■ H2
195.60	7.4	2900	24500	5.6	1.37	118336/605			✓	✓	✓	✓							2KJ3511 - ■■■■■■ - ■■ G2
177.43	8.2	2900	24500	5.6	1.61	35131/198			✓	✓	✓	✓							2KJ3511 - ■■■■■■ - ■■ F2
163.78	8.9	2900	24500	5.6	1.9	70262/429			✓	✓	✓	✓							2KJ3511 - ■■■■■■ - ■■ E2
148.88	9.7	2900	24500	5.6	2.2	57319/385			✓	✓	✓	✓	✓	✓					2KJ3511 - ■■■■■■ - ■■ D2
126.07	12	2900	24500	5.6	2.6	5547/44			✓	✓	✓	✓	✓	✓					2KJ3511 - ■■■■■■ - ■■ C2
118.65	12	2900	24500	5.6	2.6	22188/187			✓	✓	✓	✓	✓	✓					2KJ3511 - ■■■■■■ - ■■ B2
109.57	13	2900	24500	5.6	4.1	14792/135			✓	✓	✓	✓	✓	✓					2KJ3511 - ■■■■■■ - ■■ A2
97.49	15	2900	24500	5.6	5.0	53621/550			✓	✓	✓	✓	✓	✓					2KJ3511 - ■■■■■■ - ■■ X1
86.59	17	2900	24500	5.7	6.0	31433/363			✓	✓	✓	✓	✓	✓					2KJ3511 - ■■■■■■ - ■■ W1
77.51	19	2900	24500	5.7	5.9	153467/1980			✓	✓	✓	✓	✓	✓					2KJ3511 - ■■■■■■ - ■■ V1
66.26	22	2900	24500	5.7	6.8	251464/3795			✓	✓	✓	✓	✓	✓					2KJ3511 - ■■■■■■ - ■■ U1
59.17	25	2900	24500	5.8	8.6	7396/125			✓	✓	✓	✓	✓	✓	✓				2KJ3511 - ■■■■■■ - ■■ T1
52.29	28	2900	24500	5.8	9.7	25886/495					✓	✓	✓	✓	✓	✓			2KJ3511 - ■■■■■■ - ■■ S1
45.89	32	2900	24500	5.8	14	159014/3465					✓	✓	✓	✓	✓	✓			2KJ3511 - ■■■■■■ - ■■ R1
39.95	36	2820	23900	5.8	17	151618/3795					✓	✓	✓	✓	✓	✓			2KJ3511 - ■■■■■■ - ■■ Q1
34.15	42	2710	22700	5.8	21	118336/3465					✓	✓	✓	✓	✓	✓			2KJ3511 - ■■■■■■ - ■■ P1
29.23	50	2620	21500	5.8	27	7396/253					✓	✓	✓	✓	✓	✓			2KJ3511 - ■■■■■■ - ■■ N1
24.98	58	2380	21000	6.9	9.9	163744/6555			✓	✓	✓	✓	✓	✓	✓				2KJ3511 - ■■■■■■ - ■■ M1
22.31	65	2380	20000	7.1	13	52976/2375			✓	✓	✓	✓	✓	✓	✓	✓			2KJ3511 - ■■■■■■ - ■■ L1
19.71	74	2380	18900	7.1	15	16856/855					✓	✓	✓	✓	✓	✓			2KJ3511 - ■■■■■■ - ■■ K1
17.30	84	2400	17800	7.1	20	14792/855					✓	✓	✓	✓	✓	✓			2KJ3511 - ■■■■■■ - ■■ J1
15.06	96	2310	17500	7.1	25	98728/6555					✓	✓	✓	✓	✓	✓			2KJ3511 - ■■■■■■ - ■■ H1
12.87	113	2200	17500	7.1	33	11008/855					✓	✓	✓	✓	✓	✓			2KJ3511 - ■■■■■■ - ■■ G1
11.02	132	2100	17400	7.2	43	4816/437					✓	✓	✓	✓	✓	✓			2KJ3511 - ■■■■■■ - ■■ F1
10.45	139	1260	17600	10.8	17	784/75					✓	✓	✓	✓	✓	✓			2KJ3511 - ■■■■■■ - ■■ E1
9.17	158	1270	16700	10.8	23	688/75					✓	✓	✓	✓	✓	✓			2KJ3511 - ■■■■■■ - ■■ D1
7.99	181	1280	16300	10.8	29	4592/575					✓	✓	✓	✓	✓	✓			2KJ3511 - ■■■■■■ - ■■ C1
6.83	212	1300	16000	10.8	38	512/75					✓	✓	✓	✓	✓	✓			2KJ3511 - ■■■■■■ - ■■ B1
5.84	248	1300	15700	11.0	49	672/115					✓	✓	✓	✓	✓	✓			2KJ3511 - ■■■■■■ - ■■ 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, C or D	see page 10/42

¹⁾ Only in conjunction with reduced-backlash version

SIMOGEAR geared motors

Bevel geared motors

Transmission ratios and torques

Selection and ordering data

i	n ₂ rpm	T _{2N} Nm	F _{R2} N	φ ¹⁾	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	160	180	200	225	250	
K.129																			
228.30	6.4	4400	37600	6.3	3.3	30821/135				✓	✓	✓							2KJ3512 - ■■■■■■ - ■■ J2
210.74	6.9	4400	37600	6.3	3.9	123284/585				✓	✓	✓							2KJ3512 - ■■■■■■ - ■■ H2
194.04	7.5	4400	37600	6.3	4.5	8732/45				✓	✓	✓	✓	✓					2KJ3512 - ■■■■■■ - ■■ G2
165.47	8.8	4400	37600	6.3	5.6	5957/36				✓	✓	✓	✓	✓					2KJ3512 - ■■■■■■ - ■■ F2
155.74	9.3	4400	37600	6.3	6.4	23828/153				✓	✓	✓	✓	✓					2KJ3512 - ■■■■■■ - ■■ E2
144.53	10	4400	37600	6.3	7.0	58534/405				✓	✓	✓	✓	✓					2KJ3512 - ■■■■■■ - ■■ D2
127.77	11	4400	37600	6.3	8.4	9583/75				✓	✓	✓	✓	✓					2KJ3512 - ■■■■■■ - ■■ C2
114.06	13	4400	37600	6.3	10	56462/495				✓	✓	✓	✓	✓					2KJ3512 - ■■■■■■ - ■■ B2
102.64	14	4400	37600	6.3	12	27713/270				✓	✓	✓	✓	✓					2KJ3512 - ■■■■■■ - ■■ A2
89.09	16	4400	37600	6.3	14	92204/1035				✓	✓	✓	✓	✓					2KJ3512 - ■■■■■■ - ■■ X1
80.12	18	4400	37600	6.3	17	30044/375				✓	✓	✓	✓	✓	✓				2KJ3512 - ■■■■■■ - ■■ W1
70.03	21	4400	37600	6.3	19	18907/270					✓	✓	✓	✓	✓	✓			2KJ3512 - ■■■■■■ - ■■ V1
62.49	23	4400	36200	6.4	23	2812/45					✓	✓	✓	✓	✓	✓	✓		2KJ3512 - ■■■■■■ - ■■ U1
55.05	26	4400	34300	6.4	27	11396/207					✓	✓	✓	✓	✓	✓	✓		2KJ3512 - ■■■■■■ - ■■ T1
48.24	30	4400	32400	6.4	33	6512/135					✓	✓	✓	✓	✓	✓	✓		2KJ3512 - ■■■■■■ - ■■ S1
42.04	34	4400	30500	6.4	39	14504/345					✓	✓	✓	✓	✓	✓	✓		2KJ3512 - ■■■■■■ - ■■ R1
38.37	38	4400	29200	6.9	45	1036/27					✓	✓	✓	✓	✓	✓	✓		2KJ3512 - ■■■■■■ - ■■ Q1
33.03	44	4400	27300	7.0	55	11396/345							✓	✓	✓	✓	✓		2KJ3512 - ■■■■■■ - ■■ P1
31.55	46	4400	26700	7.0	23	3944/125				✓	✓	✓	✓	✓	✓				2KJ3512 - ■■■■■■ - ■■ N1
27.58	53	4400	25000	7.0	27	1241/45					✓	✓	✓	✓	✓	✓			2KJ3512 - ■■■■■■ - ■■ M1
24.61	59	4400	23700	7.1	33	2584/105					✓	✓	✓	✓	✓	✓	✓		2KJ3512 - ■■■■■■ - ■■ L1
21.68	67	4270	22700	7.1	40	1496/69					✓	✓	✓	✓	✓	✓	✓		2KJ3512 - ■■■■■■ - ■■ K1
19.00	76	4140	21700	7.1	50	5984/315					✓	✓	✓	✓	✓	✓	✓		2KJ3512 - ■■■■■■ - ■■ J1
16.56	88	4020	20600	7.2	62	1904/115					✓	✓	✓	✓	✓	✓	✓		2KJ3512 - ■■■■■■ - ■■ H1
15.11	96	3940	20000	7.2	72	136/9					✓	✓	✓	✓	✓	✓	✓		2KJ3512 - ■■■■■■ - ■■ G1
13.01	111	3810	19000	7.2	91	1496/115							✓	✓	✓	✓	✓		2KJ3512 - ■■■■■■ - ■■ F1
11.80	123	2830	21400	9.5	46	119680/10143					✓	✓	✓	✓	✓	✓	✓		2KJ3512 - ■■■■■■ - ■■ E1
10.34	140	2850	20100	9.6	57	95744/9261					✓	✓	✓	✓	✓	✓	✓		2KJ3512 - ■■■■■■ - ■■ D1
9.01	161	2760	19500	9.7	71	4352/483					✓	✓	✓	✓	✓	✓	✓		2KJ3512 - ■■■■■■ - ■■ C1
8.22	176	2680	19500	9.8	83	10880/1323					✓	✓	✓	✓	✓	✓	✓		2KJ3512 - ■■■■■■ - ■■ B1
7.08	205	2530	19500	9.9	107	23936/3381							✓	✓	✓	✓	✓		2KJ3512 - ■■■■■■ - ■■ 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, C or D	see page 10/42

¹⁾ Only in conjunction with reduced-backlash version

SIMOGEAR geared motors

Bevel 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	$\varphi^{1)}$	<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	160	180	200	225	250	
K.149																			
237.03	6.1	8000	65000	5.3	7.1	83433/352				✓	✓	✓	✓	✓					2KJ3513 - ■■■■■■ - ■■ J2
202.86	7.1	8000	65000	5.3	9.0	285621/1408				✓	✓	✓	✓	✓					2KJ3513 - ■■■■■■ - ■■ H2
190.92	7.6	8000	65000	5.3	10	285621/1496				✓	✓	✓	✓	✓					2KJ3513 - ■■■■■■ - ■■ G2
178.97	8.1	8000	65000	5.3	11	188993/1056				✓	✓	✓	✓	✓					2KJ3513 - ■■■■■■ - ■■ F2
158.65	9.1	8000	65000	5.3	14	558453/3520				✓	✓	✓	✓	✓					2KJ3513 - ■■■■■■ - ■■ E2
140.93	10	8000	64100	5.3	16	17052/121				✓	✓	✓	✓	✓					2KJ3513 - ■■■■■■ - ■■ D2
127.16	11	8000	61400	5.3	19	89523/704				✓	✓	✓	✓	✓					2KJ3513 - ■■■■■■ - ■■ C2
112.68	13	8000	58400	5.3	23	456141/4048				✓	✓	✓	✓	✓					2KJ3513 - ■■■■■■ - ■■ B2
99.79	15	8000	55600	5.4	26	439089/4400				✓	✓	✓	✓	✓	✓				2KJ3513 - ■■■■■■ - ■■ A2
88.81	16	8000	52900	5.4	31	1421/16					✓	✓	✓	✓	✓	✓			2KJ3513 - ■■■■■■ - ■■ X1
79.59	18	8000	50400	5.4	37	14007/176					✓	✓	✓	✓	✓	✓	✓		2KJ3513 - ■■■■■■ - ■■ W1
70.56	21	8000	47900	5.4	43	285621/4048					✓	✓	✓	✓	✓	✓	✓		2KJ3513 - ■■■■■■ - ■■ V1
62.28	23	8000	45300	5.4	52	5481/88					✓	✓	✓	✓	✓	✓	✓	✓	2KJ3513 - ■■■■■■ - ■■ U1
54.76	26	8000	42700	5.4	63	55419/1012					✓	✓	✓	✓	✓	✓	✓	✓	2KJ3513 - ■■■■■■ - ■■ T1
49.60	29	8000	40800	5.4	70	8729/176					✓	✓	✓	✓	✓	✓	✓	✓	2KJ3513 - ■■■■■■ - ■■ S1
43.18	34	8000	38200	5.4	85	174783/4048							✓	✓	✓	✓	✓	✓	2KJ3513 - ■■■■■■ - ■■ R1
35.40	41	7850	35100	5.5	110	80997/2288							✓	✓	✓	✓	✓	✓	2KJ3513 - ■■■■■■ - ■■ Q1
32.33	45	7760	33900	6.1	49	12673/392					✓	✓	✓	✓	✓	✓	✓	✓	2KJ3513 - ■■■■■■ - ■■ P1
28.66	51	7630	32200	6.1	59	36917/1288					✓	✓	✓	✓	✓	✓	✓	✓	2KJ3513 - ■■■■■■ - ■■ N1
25.30	57	7420	30900	6.1	73	4959/196					✓	✓	✓	✓	✓	✓	✓	✓	2KJ3513 - ■■■■■■ - ■■ M1
22.25	65	7210	29500	6.2	89	7163/322					✓	✓	✓	✓	✓	✓	✓	✓	2KJ3513 - ■■■■■■ - ■■ L1
20.15	72	7070	28400	6.2	103	23693/1176					✓	✓	✓	✓	✓	✓	✓	✓	2KJ3513 - ■■■■■■ - ■■ K1
17.54	83	6890	28500	6.3	128	22591/1288							✓	✓	✓	✓	✓	✓	2KJ3513 - ■■■■■■ - ■■ J1
14.38	101	6660	29000	6.3	174	10469/728							✓	✓	✓	✓	✓	✓	2KJ3513 - ■■■■■■ - ■■ H1
14.15	102	4140	31100	8.0	79	17328/1225					✓	✓	✓	✓	✓	✓	✓	✓	2KJ3513 - ■■■■■■ - ■■ G1
12.44	117	4030	29800	8.0	97	150176/12075					✓	✓	✓	✓	✓	✓	✓	✓	2KJ3513 - ■■■■■■ - ■■ F1
11.26	129	3950	28800	8.1	113	124184/11025					✓	✓	✓	✓	✓	✓	✓	✓	2KJ3513 - ■■■■■■ - ■■ E1
9.81	148	3850	28400	8.2	141	118408/12075							✓	✓	✓	✓	✓	✓	2KJ3513 - ■■■■■■ - ■■ D1
8.04	180	3720	28000	8.3	194	54872/6825							✓	✓	✓	✓	✓	✓	2KJ3513 - ■■■■■■ - ■■ C1
6.82	213	3630	27500	8.4	266	89528/13125							✓	✓	✓	✓	✓	✓	2KJ3513 - ■■■■■■ - ■■ B1

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, C or D	see page 10/42

¹⁾ Only in conjunction with reduced-backlash version

SIMOGEAR geared motors

Bevel 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>φ</i> ¹⁾ °	<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	160	180	200	225	250	
K.169																			
223.30	6.5	13000	70000	5.2	18	273319/1224					✓	✓	✓	✓					2KJ3514 - ■■■■■■ - ■■ F2
208.35	7.0	13000	70000	5.2	20	135013/648					✓	✓	✓	✓					2KJ3514 - ■■■■■■ - ■■ E2
185.23	7.8	13000	70000	5.2	24	29637/160					✓	✓	✓	✓					2KJ3514 - ■■■■■■ - ■■ D2
166.31	8.7	13000	70000	5.2	28	16465/99					✓	✓	✓	✓					2KJ3514 - ■■■■■■ - ■■ C2
150.55	9.6	13000	70000	5.2	33	260147/1728					✓	✓	✓	✓					2KJ3514 - ■■■■■■ - ■■ B2
132.24	11	13000	70000	5.2	40	437969/3312					✓	✓	✓	✓					2KJ3514 - ■■■■■■ - ■■ A2
119.83	12	13000	70000	5.2	47	431383/3600					✓	✓	✓	✓	✓				2KJ3514 - ■■■■■■ - ■■ X1
106.72	14	13000	70000	5.2	54	23051/216					✓	✓	✓	✓	✓	✓			2KJ3514 - ■■■■■■ - ■■ W1
95.83	15	13000	70000	5.2	65	36223/378					✓	✓	✓	✓	✓	✓	✓		2KJ3514 - ■■■■■■ - ■■ V1
85.51	17	13000	70000	5.2	75	141599/1656					✓	✓	✓	✓	✓	✓	✓		2KJ3514 - ■■■■■■ - ■■ U1
76.23	19	13000	70000	5.2	88	16465/216					✓	✓	✓	✓	✓	✓	✓	✓	2KJ3514 - ■■■■■■ - ■■ T1
67.61	21	13000	66900	5.3	103	55981/828					✓	✓	✓	✓	✓	✓	✓	✓	2KJ3514 - ■■■■■■ - ■■ S1
62.07	23	13000	64500	5.3	114	62567/1008					✓	✓	✓	✓	✓	✓	✓	✓	2KJ3514 - ■■■■■■ - ■■ R1
54.68	27	13000	60900	5.3	134	181115/3312							✓	✓	✓	✓	✓	✓	2KJ3514 - ■■■■■■ - ■■ Q1
44.86	32	13000	55700	5.3	180	55981/1248							✓	✓	✓	✓	✓	✓	2KJ3514 - ■■■■■■ - ■■ P1
39.33	37	13000	52300	5.3	198	141599/3600							✓	✓	✓	✓	✓	✓	2KJ3514 - ■■■■■■ - ■■ N1
30.75	47	13000	46500	5.4	309	42809/1392							✓	✓	✓	✓	✓	✓	2KJ3514 - ■■■■■■ - ■■ M1
29.43	49	13000	45500	5.8	133	25721/874					✓	✓	✓	✓	✓	✓	✓	✓	2KJ3514 - ■■■■■■ - ■■ L1
27.02	54	13000	43500	5.9	151	1513/56					✓	✓	✓	✓	✓	✓	✓	✓	2KJ3514 - ■■■■■■ - ■■ K1
23.80	61	13000	40800	5.9	181	83215/3496							✓	✓	✓	✓	✓	✓	2KJ3514 - ■■■■■■ - ■■ J1
19.53	74	12700	40000	6.0	249	77163/3952							✓	✓	✓	✓	✓	✓	2KJ3514 - ■■■■■■ - ■■ H1
17.12	85	12400	40800	6.0	288	65059/3800							✓	✓	✓	✓	✓	✓	2KJ3514 - ■■■■■■ - ■■ G1
13.39	108	11900	41300	6.2	457	59007/4408							✓	✓	✓	✓	✓	✓	2KJ3514 - ■■■■■■ - ■■ F1
12.20	119	6760	38700	8.1	202	143990/11799							✓	✓	✓	✓	✓	✓	2KJ3514 - ■■■■■■ - ■■ E1
10.01	145	6530	37800	8.3	280	22253/2223							✓	✓	✓	✓	✓	✓	2KJ3514 - ■■■■■■ - ■■ D1
8.78	165	6360	37800	8.3	328	112574/12825							✓	✓	✓	✓	✓	✓	2KJ3514 - ■■■■■■ - ■■ C1
6.86	211	6130	37300	8.8	523	34034/4959							✓	✓	✓	✓	✓	✓	2KJ3514 - ■■■■■■ - ■■ B1

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, C or D** [see page 10/42](#)¹⁾ Only in conjunction with reduced-backlash version

SIMOGEAR geared motors

Bevel 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	φ ¹⁾ ,	<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	160	180	200	225	250	
K.189																			
199.51	7.3	19100	104000	4.8	37	186543/935						✓	✓	✓					2KJ3515 - ■■■■■■ - ■■ W1
178.49	8.1	19500	104000	4.8	43	367164/2057						✓	✓	✓					2KJ3515 - ■■■■■■ - ■■ V1
160.98	9	19500	104000	4.8	50	60207/374						✓	✓	✓					2KJ3515 - ■■■■■■ - ■■ U1
142.28	10	19500	104000	4.8	62	611940/4301						✓	✓	✓					2KJ3515 - ■■■■■■ - ■■ T1
130.05	11	19500	104000	4.8	73	55272/425						✓	✓	✓	✓				2KJ3515 - ■■■■■■ - ■■ S1
117.00	12	19500	104000	4.8	86	43757/374						✓	✓	✓	✓	✓			2KJ3515 - ■■■■■■ - ■■ R1
104.56	14	19500	104000	4.8	100	19552/187						✓	✓	✓	✓	✓	✓		2KJ3515 - ■■■■■■ - ■■ Q1
94.55	15	19500	104000	4.8	119	406644/4301						✓	✓	✓	✓	✓	✓		2KJ3515 - ■■■■■■ - ■■ P1
83.44	17	19500	104000	4.8	140	15604/187						✓	✓	✓	✓	✓	✓	✓	2KJ3515 - ■■■■■■ - ■■ N1
74.35	20	19500	104000	4.8	164	319788/4301						✓	✓	✓	✓	✓	✓	✓	2KJ3515 - ■■■■■■ - ■■ M1
67.36	22	19500	104000	4.8	182	12596/187						✓	✓	✓	✓	✓	✓	✓	2KJ3515 - ■■■■■■ - ■■ L1
60.58	24	19500	104000	4.8	220	23688/391							✓	✓	✓	✓	✓	✓	2KJ3515 - ■■■■■■ - ■■ K1
50.34	29	19500	104000	4.8	273	122388/2431							✓	✓	✓	✓	✓	✓	2KJ3515 - ■■■■■■ - ■■ J1
44.76	32	19500	99100	4.8	334	209244/4675							✓	✓	✓	✓	✓	✓	2KJ3515 - ■■■■■■ - ■■ H1
35.67	41	19500	89900	4.9	455	193452/5423							✓	✓	✓	✓	✓	✓	2KJ3515 - ■■■■■■ - ■■ G1
28.39	51	19500	81300	5.0	586	153972/5423									✓	✓	✓	✓	2KJ3515 - ■■■■■■ - ■■ F1
25.37	57	19500	77300	5.3	335	11088/437							✓	✓	✓	✓	✓	✓	2KJ3515 - ■■■■■■ - ■■ E1
21.09	69	19500	70900	5.4	439	5208/247							✓	✓	✓	✓	✓	✓	2KJ3515 - ■■■■■■ - ■■ D1
18.75	77	19500	67000	5.4	545	8904/475							✓	✓	✓	✓	✓	✓	2KJ3515 - ■■■■■■ - ■■ C1
14.94	97	19500	60000	5.6	786	8232/551							✓	✓	✓	✓	✓	✓	2KJ3515 - ■■■■■■ - ■■ B1
11.89	122	19500	61300	5.7	1109	6552/551									✓	✓	✓	✓	2KJ3515 - ■■■■■■ - ■■ 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, C or D	see page 10/42

¹⁾ Only in conjunction with reduced-backlash version

SIMOGEAR geared motors

Bevel geared motors

Transmission ratios and torques for very low speeds

Selection and ordering data

i	n_2 rpm	T_{2N} Nm	F_{R2} N	φ ¹⁾	J_G 10 ⁻⁴ kgm ²	R_{ex}	Motor frame size								Article No.
–	–	–	–	–	–	–	63	71	80	90	100	112	132	160	(Article No. supplement, see below)
K.39-Z19															
3001	0.48	220	6080	–	0.02	975384/325	✓	✓							2KJ3520 - ■■■■■■ - ■■ E2
2657	0.55	220	6080	–	0.03	4318434/1625	✓	✓	✓						2KJ3520 - ■■■■■■ - ■■ D2
2309	0.63	220	6080	–	0.04	3752082/1625	✓	✓	✓						2KJ3520 - ■■■■■■ - ■■ C2
2099	0.69	220	6080	–	0.05	7504164/3575	✓	✓	✓						2KJ3520 - ■■■■■■ - ■■ B2
1786	0.81	220	6080	–	0.07	2902554/162	✓	✓	✓						2KJ3520 - ■■■■■■ - ■■ A2
1624	0.89	220	6080	–	0.08	5805108/3575	✓	✓	✓						2KJ3520 - ■■■■■■ - ■■ X1
1416	1.0	220	6080	–	0.09	35397/25	✓	✓	✓						2KJ3520 - ■■■■■■ - ■■ W1
1267	1.1	220	6080	–	0.12	4530816/3575	✓	✓	✓						2KJ3520 - ■■■■■■ - ■■ V1
1125	1.3	220	6080	–	0.15	365769/325	✓	✓	✓						2KJ3520 - ■■■■■■ - ■■ U1
1039	1.4	220	6080	–	0.18	4389228/4225	✓	✓	✓						2KJ3520 - ■■■■■■ - ■■ T1
902	1.6	220	6080	–	0.20	2053026/2275	✓	✓	✓						2KJ3520 - ■■■■■■ - ■■ S1
784	1.8	220	6080	–	0.21	1274292/1625	✓	✓	✓						2KJ3520 - ■■■■■■ - ■■ R1
708	2.0	220	6080	–	0.27	35397/50	✓	✓	✓						2KJ3520 - ■■■■■■ - ■■ Q1
666	2.2	220	6080	–	0.32	283176/425	✓	✓	✓						2KJ3520 - ■■■■■■ - ■■ P1
581	2.5	220	6080	–	0.36	188784/325	✓	✓	✓						2KJ3520 - ■■■■■■ - ■■ N1
536	2.7	220	6080	–	0.19	243846/455	✓	✓	✓						2KJ3520 - ■■■■■■ - ■■ M1
466	3.1	220	6080	–	0.22	114057/245	✓	✓	✓						2KJ3520 - ■■■■■■ - ■■ L1
405	3.6	220	6080	–	0.23	70794/175	✓	✓	✓						2KJ3520 - ■■■■■■ - ■■ K1
365	4.0	220	6080	–	0.29	51129/140	✓	✓	✓						2KJ3520 - ■■■■■■ - ■■ J1
343.72	4.2	220	6080	–	0.35	204516/595	✓	✓	✓						2KJ3520 - ■■■■■■ - ■■ H1
329.29	4.4	220	6080	–	0.32	699732/2125	✓	✓	✓						2KJ3520 - ■■■■■■ - ■■ G1
287.07	5.1	220	6080	–	0.37	466488/1625	✓	✓	✓						2KJ3520 - ■■■■■■ - ■■ F1
264.86	5.5	220	6080	–	0.19	602547/2275	✓	✓	✓						2KJ3520 - ■■■■■■ - ■■ E1
230.07	6.3	220	6080	–	0.22	563673/2450	✓	✓	✓						2KJ3520 - ■■■■■■ - ■■ D1
199.92	7.3	220	6080	–	0.23	174933/875	✓	✓	✓						2KJ3520 - ■■■■■■ - ■■ C1
180.49	8.0	220	6080	–	0.30	252681/1400	✓	✓	✓						2KJ3520 - ■■■■■■ - ■■ B1
169.87	8.5	220	6080	–	0.35	505362/2975	✓	✓	✓						2KJ3520 - ■■■■■■ - ■■ A1
K.39-D19															
6699	0.22	220	6080	–	0.11	167640192/25025	✓	✓							2KJ3521 - ■■■■■■ - ■■ H1
5949	0.24	220	6080	–	0.13	13533453/2275	✓	✓							2KJ3521 - ■■■■■■ - ■■ G1
5491	0.26	220	6080	–	0.16	162401436/29575	✓	✓							2KJ3521 - ■■■■■■ - ■■ F1
4770	0.30	220	6080	–	0.17	75961962/15925	✓	✓							2KJ3521 - ■■■■■■ - ■■ E1
4145	0.35	220	6080	–	0.18	47148804/11375	✓	✓							2KJ3521 - ■■■■■■ - ■■ D1
3742	0.39	220	6080	–	0.22	1309689/350	✓	✓							2KJ3521 - ■■■■■■ - ■■ C1
3522	0.41	220	6080	–	0.26	10477512/2975	✓	✓							2KJ3521 - ■■■■■■ - ■■ B1
3070	0.47	220	6080	–	0.29	6985008/2275	✓	✓							2KJ3521 - ■■■■■■ - ■■ A1

Article No. supplement

Shaft design **1 or 9** [see page 10/49](#)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, C or D** [see page 10/42](#)¹⁾ Only in conjunction with reduced-backlash version

SIMOGEAR geared motors

Bevel geared motors

Transmission ratios and torques for very low speeds

Selection and ordering data

i	n_2 rpm	T_{2N} Nm	F_{R2} N	φ ¹⁾	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	160	–
K.49-Z19															
3866	0.38	420	7820	–	0.02	150784/39	✓	✓							2KJ3522 - ■ ■ ■ ■ ■ - ■ ■ G2
3424	0.42	420	7820	–	0.03	222528/65	✓	✓	✓						2KJ3522 - ■ ■ ■ ■ ■ - ■ ■ F2
2975	0.49	420	7820	–	0.04	193344/65	✓	✓	✓						2KJ3522 - ■ ■ ■ ■ ■ - ■ ■ E2
2704	0.54	420	7820	–	0.05	386688/143	✓	✓	✓						2KJ3522 - ■ ■ ■ ■ ■ - ■ ■ D2
2301	0.63	420	7820	–	0.07	149568/65	✓	✓	✓						2KJ3522 - ■ ■ ■ ■ ■ - ■ ■ C2
2092	0.69	420	7820	–	0.08	299136/143	✓	✓	✓						2KJ3522 - ■ ■ ■ ■ ■ - ■ ■ B2
1824	0.79	420	7820	–	0.09	1824/1	✓	✓	✓						2KJ3522 - ■ ■ ■ ■ ■ - ■ ■ A2
1633	0.89	420	7820	–	0.12	233472/143	✓	✓	✓						2KJ3522 - ■ ■ ■ ■ ■ - ■ ■ W1
1450	1.0	420	7820	–	0.15	18848/13	✓	✓	✓						2KJ3522 - ■ ■ ■ ■ ■ - ■ ■ V1
1338	1.1	420	7820	–	0.18	226176/169	✓	✓	✓						2KJ3522 - ■ ■ ■ ■ ■ - ■ ■ U1
1163	1.2	420	7820	–	0.20	105792/91	✓	✓	✓						2KJ3522 - ■ ■ ■ ■ ■ - ■ ■ T1
1010	1.4	420	7820	–	0.21	65664/65	✓	✓	✓						2KJ3522 - ■ ■ ■ ■ ■ - ■ ■ S1
912	1.6	420	7820	–	0.27	912/1	✓	✓	✓						2KJ3522 - ■ ■ ■ ■ ■ - ■ ■ R1
858	1.7	420	7820	–	0.32	14592/17	✓	✓	✓						2KJ3522 - ■ ■ ■ ■ ■ - ■ ■ Q1
748	1.9	420	7820	–	0.36	9728/13	✓	✓	✓						2KJ3522 - ■ ■ ■ ■ ■ - ■ ■ P1
690	2.1	420	7820	–	0.19	188480/273	✓	✓	✓						2KJ3522 - ■ ■ ■ ■ ■ - ■ ■ N1
600	2.4	420	7820	–	0.22	88160/147	✓	✓	✓						2KJ3522 - ■ ■ ■ ■ ■ - ■ ■ M1
521	2.8	420	7820	–	0.23	3648/7	✓	✓	✓						2KJ3522 - ■ ■ ■ ■ ■ - ■ ■ L1
470	3.1	420	7820	–	0.30	9880/21	✓	✓	✓						2KJ3522 - ■ ■ ■ ■ ■ - ■ ■ K1
443	3.3	420	7820	–	0.35	158080/357	✓	✓	✓						2KJ3522 - ■ ■ ■ ■ ■ - ■ ■ J1
437	3.3	420	7820	–	0.27	24453/56	✓	✓	✓						2KJ3522 - ■ ■ ■ ■ ■ - ■ ■ H1
411	3.5	420	7820	–	0.32	48906/119	✓	✓	✓						2KJ3522 - ■ ■ ■ ■ ■ - ■ ■ G1
358	4.1	420	7820	–	0.37	2508/7	✓	✓	✓						2KJ3522 - ■ ■ ■ ■ ■ - ■ ■ F1
330.56	4.4	420	7820	–	0.20	32395/98	✓	✓	✓						2KJ3522 - ■ ■ ■ ■ ■ - ■ ■ E1
287.15	5.0	420	7820	–	0.23	393965/1372	✓	✓	✓						2KJ3522 - ■ ■ ■ ■ ■ - ■ ■ D1
249.52	5.8	420	7820	–	0.24	24453/98	✓	✓	✓						2KJ3522 - ■ ■ ■ ■ ■ - ■ ■ C1
225.26	6.4	420	7820	–	0.31	176605/784	✓	✓	✓						2KJ3522 - ■ ■ ■ ■ ■ - ■ ■ B1
212.01	6.8	420	7820	–	0.37	176605/833	✓	✓	✓						2KJ3522 - ■ ■ ■ ■ ■ - ■ ■ A1
K.49-D19															
9641	0.15	420	7820	–	0.08	67488/7	✓	✓							2KJ3523 - ■ ■ ■ ■ ■ - ■ ■ J1
8630	0.17	420	7820	–	0.11	8638464/1001	✓	✓							2KJ3523 - ■ ■ ■ ■ ■ - ■ ■ H1
7663	0.19	420	7820	–	0.13	697376/91	✓	✓							2KJ3523 - ■ ■ ■ ■ ■ - ■ ■ G1
7074	0.20	420	7820	–	0.16	8368512/1183	✓	✓							2KJ3523 - ■ ■ ■ ■ ■ - ■ ■ F1
6145	0.24	420	7820	–	0.17	3914304/637	✓	✓							2KJ3523 - ■ ■ ■ ■ ■ - ■ ■ E1
5340	0.27	420	7820	–	0.18	2429568/455	✓	✓							2KJ3523 - ■ ■ ■ ■ ■ - ■ ■ D1
4821	0.30	420	7820	–	0.22	33744/7	✓	✓							2KJ3523 - ■ ■ ■ ■ ■ - ■ ■ C1
4537	0.32	420	7820	–	0.26	539904/119	✓	✓							2KJ3523 - ■ ■ ■ ■ ■ - ■ ■ B1
3955	0.37	420	7820	–	0.29	359936/91	✓	✓							2KJ3523 - ■ ■ ■ ■ ■ - ■ ■ A1

Article No. supplement

Shaft design	1 or 9	see page 10/49
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, C or D	see page 10/42

¹⁾ Only in conjunction with reduced-backlash version

SIMOGEAR geared motors

Bevel 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	φ ¹⁾ °	<i>J</i> _G 10 ^{–4} kgm ²	<i>R</i> _{ex} –	Motor frame size								Article No.
							63	71	80	90	100	112	132	160	(Article No. supplement, see below)
K.69-Z19															
3866	0.38	600	10800	–	0.02	150784/39	✓	✓							2KJ3524 - ■■■■■■ - ■■ F2
3424	0.42	600	10800	–	0.03	222528/65	✓	✓	✓						2KJ3524 - ■■■■■■ - ■■ E2
2975	0.49	600	10800	–	0.04	193344/65	✓	✓	✓						2KJ3524 - ■■■■■■ - ■■ D2
2704	0.54	600	10800	–	0.05	386688/143	✓	✓	✓						2KJ3524 - ■■■■■■ - ■■ C2
2301	0.63	600	10800	–	0.07	149568/65	✓	✓	✓						2KJ3524 - ■■■■■■ - ■■ B2
2092	0.69	600	10800	–	0.08	299136/143	✓	✓	✓						2KJ3524 - ■■■■■■ - ■■ A2
1824	0.79	600	10800	–	0.10	1824/1	✓	✓	✓						2KJ3524 - ■■■■■■ - ■■ W1
1633	0.89	600	10800	–	0.13	233472/143	✓	✓	✓						2KJ3524 - ■■■■■■ - ■■ V1
1450	1.0	600	10800	–	0.15	18848/13	✓	✓	✓						2KJ3524 - ■■■■■■ - ■■ U1
1338	1.1	600	10800	–	0.18	226176/169	✓	✓	✓						2KJ3524 - ■■■■■■ - ■■ T1
1163	1.2	600	10800	–	0.21	105792/91	✓	✓	✓						2KJ3524 - ■■■■■■ - ■■ S1
1010	1.4	600	10800	–	0.21	65664/65	✓	✓	✓						2KJ3524 - ■■■■■■ - ■■ R1
912	1.6	600	10800	–	0.27	912/1	✓	✓	✓						2KJ3524 - ■■■■■■ - ■■ Q1
858	1.7	600	10800	–	0.32	14592/17	✓	✓	✓						2KJ3524 - ■■■■■■ - ■■ P1
748	1.9	600	10800	–	0.37	9728/13	✓	✓	✓						2KJ3524 - ■■■■■■ - ■■ N1
690	2.1	600	10800	–	0.20	188480/273	✓	✓	✓						2KJ3524 - ■■■■■■ - ■■ M1
600	2.4	600	10800	–	0.23	88160/147	✓	✓	✓						2KJ3524 - ■■■■■■ - ■■ L1
521	2.8	600	10800	–	0.24	3648/7	✓	✓	✓						2KJ3524 - ■■■■■■ - ■■ K1
470	3.1	600	10800	–	0.31	9880/21	✓	✓	✓						2KJ3524 - ■■■■■■ - ■■ J1
443	3.3	600	10800	–	0.37	158080/357	✓	✓	✓						2KJ3524 - ■■■■■■ - ■■ H1
419	3.5	600	10800	–	0.38	147136/351	✓	✓	✓						2KJ3524 - ■■■■■■ - ■■ G1
387	3.7	600	10800	–	0.22	2850760/7371	✓	✓	✓						2KJ3524 - ■■■■■■ - ■■ F1
335.96	4.3	600	10800	–	0.25	1333420/3969	✓	✓	✓						2KJ3524 - ■■■■■■ - ■■ E1
291.94	5.0	600	10800	–	0.27	18392/63	✓	✓	✓						2KJ3524 - ■■■■■■ - ■■ D1
263.55	5.5	600	10800	–	0.35	149435/567	✓	✓	✓						2KJ3524 - ■■■■■■ - ■■ C1
248.05	5.8	600	10800	–	0.41	2390960/9639	✓	✓	✓						2KJ3524 - ■■■■■■ - ■■ B1
216.25	6.7	600	10800	–	0.48	367840/1701			✓						2KJ3524 - ■■■■■■ - ■■ A1
K.69-D19															
9641	0.15	600	10800	–	0.08	67488/7	✓	✓							2KJ3525 - ■■■■■■ - ■■ J1
8630	0.17	600	10800	–	0.11	8638464/1001	✓	✓							2KJ3525 - ■■■■■■ - ■■ H1
7663	0.19	600	10800	–	0.13	697376/91	✓	✓							2KJ3525 - ■■■■■■ - ■■ G1
7074	0.20	600	10800	–	0.16	8368512/1183	✓	✓							2KJ3525 - ■■■■■■ - ■■ F1
6145	0.24	600	10800	–	0.17	3914304/637	✓	✓							2KJ3525 - ■■■■■■ - ■■ E1
5340	0.27	600	10800	–	0.18	2429568/455	✓	✓							2KJ3525 - ■■■■■■ - ■■ D1
4821	0.30	600	10800	–	0.22	33744/7	✓	✓							2KJ3525 - ■■■■■■ - ■■ C1
4537	0.32	600	10800	–	0.26	539904/119	✓	✓							2KJ3525 - ■■■■■■ - ■■ B1
3955	0.37	600	10800	–	0.29	359936/91	✓	✓							2KJ3525 - ■■■■■■ - ■■ A1

Article No. supplement

Shaft design	1 or 9	see page 10/49
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, C or D	see page 10/42

¹⁾ Only in conjunction with reduced-backlash version

SIMOGEAR geared motors

Bevel 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	φ ¹⁾	<i>J</i> _G 10 ⁻⁴ kgm ²	<i>R</i> _{ex} –	Motor frame size								Article No.
–							63	71	80	90	100	112	132	160	(Article No. supplement, see below)
K.79-Z19															
4804	0.30	820	13900	–	0.02	562030/117	✓	✓							2KJ3526 - ■■■■■■ - ■■ F2
4254	0.34	820	13900	–	0.03	110593/26	✓	✓	✓						2KJ3526 - ■■■■■■ - ■■ E2
3696	0.39	820	13900	–	0.04	96089/26	✓	✓	✓						2KJ3526 - ■■■■■■ - ■■ D2
3360	0.43	820	13900	–	0.05	480445/143	✓	✓	✓						2KJ3526 - ■■■■■■ - ■■ C2
2859	0.51	820	13900	–	0.07	74333/26	✓	✓	✓						2KJ3526 - ■■■■■■ - ■■ B2
2599	0.56	820	13900	–	0.08	371665/143	✓	✓	✓						2KJ3526 - ■■■■■■ - ■■ A2
2266	0.64	820	13900	–	0.10	9065/4	✓	✓	✓						2KJ3526 - ■■■■■■ - ■■ W1
2029	0.71	820	13900	–	0.13	290080/143	✓	✓	✓						2KJ3526 - ■■■■■■ - ■■ V1
1801	0.81	820	13900	–	0.15	281015/156	✓	✓	✓						2KJ3526 - ■■■■■■ - ■■ U1
1663	0.87	820	13900	–	0.18	281015/169	✓	✓	✓						2KJ3526 - ■■■■■■ - ■■ T1
1444	1.0	820	13900	–	0.21	37555/26	✓	✓	✓						2KJ3526 - ■■■■■■ - ■■ S1
1255	1.2	820	13900	–	0.21	16317/13	✓	✓	✓						2KJ3526 - ■■■■■■ - ■■ R1
1133	1.3	820	13900	–	0.27	9065/8	✓	✓	✓						2KJ3526 - ■■■■■■ - ■■ Q1
1066	1.4	820	13900	–	0.32	18130/17	✓	✓	✓						2KJ3526 - ■■■■■■ - ■■ P1
930	1.6	820	13900	–	0.37	36260/39	✓	✓	✓						2KJ3526 - ■■■■■■ - ■■ N1
858	1.7	820	13900	–	0.20	200725/234	✓	✓	✓						2KJ3526 - ■■■■■■ - ■■ M1
745	1.9	820	13900	–	0.23	26825/36	✓	✓	✓						2KJ3526 - ■■■■■■ - ■■ L1
648	2.2	820	13900	–	0.24	1295/2	✓	✓	✓						2KJ3526 - ■■■■■■ - ■■ K1
585	2.5	820	13900	–	0.31	84175/144	✓	✓	✓						2KJ3526 - ■■■■■■ - ■■ J1
550	2.6	820	13900	–	0.37	84175/153	✓	✓	✓						2KJ3526 - ■■■■■■ - ■■ H1
521	2.8	820	13900	–	0.38	1096865/2106	✓	✓	✓						2KJ3526 - ■■■■■■ - ■■ G1
481	3.0	820	13900	–	0.22	24287725/50544	✓	✓	✓						2KJ3526 - ■■■■■■ - ■■ F1
417	3.5	820	13900	–	0.25	3245825/7776	✓	✓	✓						2KJ3526 - ■■■■■■ - ■■ E1
363	4.0	820	13900	–	0.27	156695/432	✓	✓	✓						2KJ3526 - ■■■■■■ - ■■ D1
327.46	4.4	820	13900	–	0.35	10185175/31104	✓	✓	✓						2KJ3526 - ■■■■■■ - ■■ C1
308.19	4.7	820	13900	–	0.41	10185175/33048	✓	✓	✓						2KJ3526 - ■■■■■■ - ■■ B1
268.68	5.4	820	13900	–	0.48	783475/2916			✓						2KJ3526 - ■■■■■■ - ■■ A1
K.79-D19															
9522	0.15	820	13900	–	0.13	1485365/156	✓	✓							2KJ3527 - ■■■■■■ - ■■ G1
8789	0.16	820	13900	–	0.16	1485365/169	✓	✓							2KJ3527 - ■■■■■■ - ■■ F1
7635	0.19	820	13900	–	0.17	198505/26	✓	✓							2KJ3527 - ■■■■■■ - ■■ E1
6634	0.22	820	13900	–	0.18	86247/13	✓	✓							2KJ3527 - ■■■■■■ - ■■ D1
5989	0.24	820	13900	–	0.22	47915/8	✓	✓							2KJ3527 - ■■■■■■ - ■■ C1
5637	0.26	820	13900	–	0.26	95830/17	✓	✓							2KJ3527 - ■■■■■■ - ■■ B1
4914	0.30	820	13900	–	0.29	191660/39	✓	✓							2KJ3527 - ■■■■■■ - ■■ A1

Article No. supplement

Shaft design	1 or 9	see page 10/49
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, C or D	see page 10/42

¹⁾ Only in conjunction with reduced-backlash version

SIMOGEAR geared motors

Bevel 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	φ ¹⁾	<i>J</i> _G 10 ^{–4} kgm ²	<i>R</i> _{ex} –	Motor frame size								Article No.
							63	71	80	90	100	112	132	160	(Article No. supplement, see below)
K.89-Z39															
6101	0.24	1600	18100	–	0.06	86972795/14256	✓	✓							2KJ3528 - ■■■■■■ - ■■ F2
5425	0.27	1600	18100	–	0.07	8592493/1584	✓	✓	✓	✓					2KJ3528 - ■■■■■■ - ■■ E2
4763	0.30	1600	18100	–	0.08	209573/44	✓	✓	✓	✓					2KJ3528 - ■■■■■■ - ■■ D2
4330	0.33	1600	18100	–	0.10	1047865/242	✓	✓	✓	✓					2KJ3528 - ■■■■■■ - ■■ C2
3705	0.39	1600	18100	–	0.12	1467011/396	✓	✓	✓	✓					2KJ3528 - ■■■■■■ - ■■ B2
3368	0.43	1600	18100	–	0.14	7335055/2178	✓	✓	✓	✓					2KJ3528 - ■■■■■■ - ■■ A2
2977	0.49	1600	18100	–	0.17	1047865/352	✓	✓	✓	✓	✓				2KJ3528 - ■■■■■■ - ■■ W1
2706	0.54	1600	18100	–	0.22	5239325/1936	✓	✓	✓	✓	✓				2KJ3528 - ■■■■■■ - ■■ V1
2370	0.61	1600	18100	–	0.26	45058195/19008	✓	✓	✓	✓	✓				2KJ3528 - ■■■■■■ - ■■ U1
2188	0.66	1600	18100	–	0.31	3466015/1584	✓	✓	✓	✓	✓				2KJ3528 - ■■■■■■ - ■■ T1
1937	0.75	1600	18100	–	0.36	6137495/3168	✓	✓	✓	✓	✓				2KJ3528 - ■■■■■■ - ■■ S1
1612	0.90	1600	18100	–	0.48	13622245/8448	✓	✓	✓	✓	✓				2KJ3528 - ■■■■■■ - ■■ R1
1518	0.96	1600	18100	–	0.56	13622245/8976	✓	✓	✓	✓	✓				2KJ3528 - ■■■■■■ - ■■ Q1
1360	1.1	1600	18100	–	0.61	38771005/28512	✓	✓	✓	✓	✓				2KJ3528 - ■■■■■■ - ■■ P1
1158	1.3	1600	18100	–	0.79	7335055/6336	✓	✓	✓	✓	✓				2KJ3528 - ■■■■■■ - ■■ N1
992	1.5	1600	18100	–	1.04	1047865/1056			✓	✓	✓				2KJ3528 - ■■■■■■ - ■■ M1
854	1.7	1600	18100	–	1.32	32483815/38016			✓	✓	✓				2KJ3528 - ■■■■■■ - ■■ L1
705	2.1	1600	18100	–	0.61	45656975/64768	✓	✓	✓	✓	✓				2KJ3528 - ■■■■■■ - ■■ K1
663	2.2	1600	18100	–	0.70	45656975/68816	✓	✓	✓	✓	✓				2KJ3528 - ■■■■■■ - ■■ J1
594	2.4	1600	18100	–	0.79	129946775/218592	✓	✓	✓	✓	✓				2KJ3528 - ■■■■■■ - ■■ H1
506	2.9	1600	18100	–	1.04	24584525/48576	✓	✓	✓	✓	✓				2KJ3528 - ■■■■■■ - ■■ G1
476	3.0	1600	18100	–	0.65	84791525/178112	✓	✓	✓	✓	✓				2KJ3528 - ■■■■■■ - ■■ F1
448	3.2	1600	18100	–	0.75	84791525/189244	✓	✓	✓	✓	✓				2KJ3528 - ■■■■■■ - ■■ E1
401	3.6	1600	18100	–	0.85	241329725/601128	✓	✓	✓	✓	✓				2KJ3528 - ■■■■■■ - ■■ D1
341.78	4.2	1600	18100	–	1.12	45656975/133584	✓	✓	✓	✓	✓				2KJ3528 - ■■■■■■ - ■■ C1
292.96	4.9	1600	18100	–	1.48	6522425/22264			✓	✓	✓				2KJ3528 - ■■■■■■ - ■■ B1
252.27	5.7	1600	18100	–	1.92	202195175/801504			✓	✓	✓				2KJ3528 - ■■■■■■ - ■■ A1
K.89-D39															
9761	0.15	1600	18100	–	0.17	1577036825/161568	✓	✓	✓	✓	✓				2KJ3530 - ■■■■■■ - ■■ E1
9010	0.16	1600	18100	–	0.21	121310525/13464	✓	✓	✓	✓	✓				2KJ3530 - ■■■■■■ - ■■ D1
7888	0.18	1600	18100	–	0.25	6436885/816	✓	✓	✓	✓	✓				2KJ3530 - ■■■■■■ - ■■ C1
6916	0.21	1600	18100	–	0.23	279360809/40392	✓	✓	✓	✓	✓				2KJ3530 - ■■■■■■ - ■■ B1
6275	0.23	1600	18100	–	0.33	225290975/35904	✓	✓	✓	✓	✓				2KJ3530 - ■■■■■■ - ■■ A1

Article No. supplement

Shaft design	1 or 9	see page 10/49
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, C or D	see page 10/42

¹⁾ Only in conjunction with reduced-backlash version

SIMOGEAR geared motors

Bevel 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	φ ¹⁾	<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	160	
K.109-Z39															
6638	0.22	2900	24500	–	0.06	55861988/8415	✓	✓							2KJ3531 - ■■■■■■ - ■■ F2
5903	0.25	2900	24500	–	0.07	27594476/4675	✓	✓	✓	✓					2KJ3531 - ■■■■■■ - ■■ F2
5183	0.28	2900	24500	–	0.08	24229296/4675	✓	✓	✓	✓					2KJ3531 - ■■■■■■ - ■■ E2
4712	0.31	2900	24500	–	0.10	48458592/10285	✓	✓	✓	✓					2KJ3531 - ■■■■■■ - ■■ D2
4031	0.36	2900	24500	–	0.12	18845008/4675	✓	✓	✓	✓					2KJ3531 - ■■■■■■ - ■■ C2
3665	0.40	2900	24500	–	0.14	37690016/10285	✓	✓	✓	✓					2KJ3531 - ■■■■■■ - ■■ B2
3239	0.45	2900	24500	–	0.17	3028662/935	✓	✓	✓	✓	✓				2KJ3531 - ■■■■■■ - ■■ A2
2945	0.49	2900	24500	–	0.23	6057324/2057	✓	✓	✓	✓	✓				2KJ3531 - ■■■■■■ - ■■ W1
2579	0.56	2900	24500	–	0.26	7235137/2805	✓	✓	✓	✓	✓				2KJ3531 - ■■■■■■ - ■■ V1
2381	0.61	2900	24500	–	0.31	2226196/935	✓	✓	✓	✓	✓				2KJ3531 - ■■■■■■ - ■■ U1
2108	0.69	2900	24500	–	0.36	1971034/935	✓	✓	✓	✓	✓				2KJ3531 - ■■■■■■ - ■■ T1
1755	0.83	2900	24500	–	0.48	6562101/3740	✓	✓	✓	✓	✓				2KJ3531 - ■■■■■■ - ■■ S1
1651	0.88	2900	24500	–	0.57	26248404/15895	✓	✓	✓	✓	✓				2KJ3531 - ■■■■■■ - ■■ R1
1480	0.98	2900	24500	–	0.62	12451166/8415	✓	✓	✓	✓	✓				2KJ3531 - ■■■■■■ - ■■ Q1
1260	1.2	2900	24500	–	0.80	1177813/935	✓	✓	✓	✓	✓				2KJ3531 - ■■■■■■ - ■■ P1
1080	1.3	2900	24500	–	1.05	1009554/935			✓	✓	✓				2KJ3531 - ■■■■■■ - ■■ N1
930	1.6	2900	24500	–	1.34	5216029/5610			✓	✓	✓				2KJ3531 - ■■■■■■ - ■■ M1
767	1.9	2900	24500	–	0.63	13196313/17204	✓	✓	✓	✓	✓				2KJ3531 - ■■■■■■ - ■■ L1
722	2.0	2900	24500	–	0.73	52785252/73117	✓	✓	✓	✓	✓				2KJ3531 - ■■■■■■ - ■■ K1
647	2.2	2900	24500	–	0.83	8346386/12903	✓	✓	✓	✓	✓				2KJ3531 - ■■■■■■ - ■■ J1
551	2.6	2900	24500	–	1.09	2368569/4301	✓	✓	✓	✓	✓				2KJ3531 - ■■■■■■ - ■■ H1
519	2.8	2900	24500	–	1.40	88672493/170775			✓	✓	✓				2KJ3531 - ■■■■■■ - ■■ G1
428	3.4	2900	24500	–	0.73	24926369/58190	✓	✓	✓	✓	✓				2KJ3531 - ■■■■■■ - ■■ F1
403	3.6	2900	24500	–	0.84	11730056/29095	✓	✓	✓	✓	✓				2KJ3531 - ■■■■■■ - ■■ E1
361	4.0	2900	24500	–	0.97	283777124/785565	✓	✓	✓	✓	✓				2KJ3531 - ■■■■■■ - ■■ D1
307.54	4.7	2900	24500	–	1.28	26843782/87285	✓	✓	✓	✓	✓				2KJ3531 - ■■■■■■ - ■■ C1
263.61	5.5	2900	24500	–	1.70	7669652/29095			✓	✓	✓				2KJ3531 - ■■■■■■ - ■■ B1
227	6.4	2900	24500	–	2.20	59439803/261855			✓	✓	✓				2KJ3531 - ■■■■■■ - ■■ A1
K.109-D39															
13352	0.11	2900	24500	–	0.12	57881096/4335	✓	✓	✓	✓	✓				2KJ3532 - ■■■■■■ - ■■ G1
11918	0.12	2900	24500	–	0.15	2083719456/174845	✓	✓	✓	✓	✓				2KJ3532 - ■■■■■■ - ■■ F1
10621	0.14	2900	24500	–	0.17	101291918/9537	✓	✓	✓	✓	✓				2KJ3532 - ■■■■■■ - ■■ E1
9804	0.15	2900	24500	–	0.21	31166744/3179	✓	✓	✓	✓	✓				2KJ3532 - ■■■■■■ - ■■ D1
8583	0.17	2900	24500	–	0.25	12403092/1445	✓	✓	✓	✓	✓				2KJ3532 - ■■■■■■ - ■■ C1
7526	0.19	2900	24500	–	0.23	1794313976/238425	✓	✓	✓	✓	✓				2KJ3532 - ■■■■■■ - ■■ B1
6828	0.21	2900	24500	–	0.33	21705411/3179	✓	✓	✓	✓	✓				2KJ3532 - ■■■■■■ - ■■ A1

Article No. supplement

Shaft design	1 or 9	see page 10/49
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, C or D	see page 10/42

¹⁾ Only in conjunction with reduced-backlash version

SIMOGEAR geared motors

Bevel 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	φ ¹⁾ °	<i>J</i> _G 10 ^{–4} kgm ²	<i>R</i> _{ex} –	Motor frame size								Article No.
							63	71	80	90	100	112	132	160	(Article No. supplement, see below)
K.129-Z39															
5743	0.25	4400	37600	–	0.06	209316289/36450	✓	✓							2KJ3533 - ■■■■■■ - ■■ A2
5106	0.28	4400	37600	–	0.07	103397203/20250	✓	✓	✓	✓					2KJ3533 - ■■■■■■ - ■■ X1
4483	0.32	4400	37600	–	0.09	5043766/1125	✓	✓	✓	✓					2KJ3533 - ■■■■■■ - ■■ W1
4076	0.36	4400	37600	–	0.11	10087532/2475	✓	✓	✓	✓					2KJ3533 - ■■■■■■ - ■■ V1
3487	0.42	4400	37600	–	0.13	35306362/10125	✓	✓	✓	✓					2KJ3533 - ■■■■■■ - ■■ U1
3170	0.46	4400	37600	–	0.15	70612724/22275	✓	✓	✓	✓					2KJ3533 - ■■■■■■ - ■■ T1
2802	0.52	4400	37600	–	0.18	2521883/900	✓	✓	✓	✓	✓				2KJ3533 - ■■■■■■ - ■■ S1
2547	0.57	4400	37600	–	0.24	2521883/990	✓	✓	✓	✓	✓				2KJ3533 - ■■■■■■ - ■■ R1
2231	0.65	4400	37600	–	0.28	108440969/48600	✓	✓	✓	✓	✓				2KJ3533 - ■■■■■■ - ■■ Q1
2060	0.70	4400	37600	–	0.33	8341613/4050	✓	✓	✓	✓	✓				2KJ3533 - ■■■■■■ - ■■ P1
1824	0.79	4400	37600	–	0.39	14771029/8100	✓	✓	✓	✓	✓				2KJ3533 - ■■■■■■ - ■■ N1
1518	0.96	4400	37600	–	0.53	32784479/21600	✓	✓	✓	✓	✓				2KJ3533 - ■■■■■■ - ■■ M1
1429	1.0	4400	37600	–	0.61	32784479/22950	✓	✓	✓	✓	✓				2KJ3533 - ■■■■■■ - ■■ L1
1280	1.1	4400	37600	–	0.68	93309671/72900	✓	✓	✓	✓	✓				2KJ3533 - ■■■■■■ - ■■ K1
1090	1.3	4400	37600	–	0.88	17653181/16200	✓	✓	✓	✓	✓				2KJ3533 - ■■■■■■ - ■■ J1
934	1.6	4400	37600	–	1.16	2521883/2700			✓	✓	✓				2KJ3533 - ■■■■■■ - ■■ H1
804	1.8	4400	37600	–	1.48	78178373/97200			✓	✓	✓				2KJ3533 - ■■■■■■ - ■■ G1
664	2.2	4400	37600	–	0.85	21976409/33120	✓	✓	✓	✓	✓				2KJ3533 - ■■■■■■ - ■■ F1
625	2.3	4400	37600	–	0.98	21976409/35190	✓	✓	✓	✓	✓				2KJ3533 - ■■■■■■ - ■■ E1
560	2.6	4400	37600	–	1.13	62548241/111780	✓	✓	✓	✓	✓				2KJ3533 - ■■■■■■ - ■■ D1
476	3.0	4400	37600	–	1.51	11833451/24840	✓	✓	✓	✓	✓				2KJ3533 - ■■■■■■ - ■■ C1
408	3.6	4400	37600	–	2.00	1690493/4140			✓	✓	✓				2KJ3533 - ■■■■■■ - ■■ B1
352	4.1	4400	37600	–	2.60	52405283/149040			✓	✓	✓				2KJ3533 - ■■■■■■ - ■■ A1
K.129-D39															
14490	0.10	4400	40000	–	0.09	2494142287/172125	✓	✓	✓	✓					2KJ3534 - ■■■■■■ - ■■ H1
13173	0.11	4400	40000	–	0.10	4988284574/378675	✓	✓	✓	✓					2KJ3534 - ■■■■■■ - ■■ G1
11550	0.13	4400	40000	–	0.12	1192850659/103275	✓	✓	✓	✓	✓				2KJ3534 - ■■■■■■ - ■■ F1
10309	0.14	4400	40000	–	0.15	433763876/42075	✓	✓	✓	✓	✓				2KJ3534 - ■■■■■■ - ■■ E1
9188	0.16	4400	40000	–	0.18	759086783/82620	✓	✓	✓	✓	✓				2KJ3534 - ■■■■■■ - ■■ D1
8481	0.17	4400	40000	–	0.21	58391291/6885	✓	✓	✓	✓	✓				2KJ3534 - ■■■■■■ - ■■ C1
7425	0.20	4400	40000	–	0.25	170407237/22950	✓	✓	✓	✓	✓				2KJ3534 - ■■■■■■ - ■■ B1
6510	0.22	4400	40000	–	0.23	3361670039/516375	✓	✓	✓	✓	✓				2KJ3534 - ■■■■■■ - ■■ A1

Article No. supplement

Shaft design **1 or 9** [see page 10/49](#)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, C or D** [see page 10/42](#)¹⁾ Only in conjunction with reduced-backlash version

SIMOGEAR geared motors

Bevel geared motors

Transmission ratios and torques for very low speeds

Selection and ordering data

i	n_2 rpm	T_{2N} Nm	F_{R2} N	φ ¹⁾	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	160	–
K.149-Z49															
4149	0.35	8000	65000	–	0.18	58423197/14080	✓	✓	✓	✓					2KJ3535 - ■■■■■■ - ■■ B2
3772	0.38	8000	65000	–	0.22	58423197/15488	✓	✓	✓	✓					2KJ3535 - ■■■■■■ - ■■ A2
3208	0.45	8000	65000	–	0.28	9034515/2816	✓	✓	✓	✓					2KJ3535 - ■■■■■■ - ■■ X1
2917	0.5	8000	65000	–	0.34	45172575/15488	✓	✓	✓	✓					2KJ3535 - ■■■■■■ - ■■ W1
2602	0.56	8000	65000	–	0.39	14655991/5632	✓	✓	✓	✓	✓	✓			2KJ3535 - ■■■■■■ - ■■ V1
2333	0.62	8000	65000	–	0.47	9034515/3872	✓	✓	✓	✓	✓	✓			2KJ3535 - ■■■■■■ - ■■ U1
2103	0.69	8000	65000	–	0.55	11845253/5632	✓	✓	✓	✓	✓	✓			2KJ3535 - ■■■■■■ - ■■ T1
1941	0.75	8000	65000	–	0.66	35535759/18304	✓	✓	✓	✓	✓	✓			2KJ3535 - ■■■■■■ - ■■ S1
1772	0.82	8000	65000	–	0.78	2495247/1408	✓	✓	✓	✓	✓	✓	✓		2KJ3535 - ■■■■■■ - ■■ R1
1470	0.99	8000	65000	–	1.00	3011505/2048	✓	✓	✓	✓	✓	✓	✓		2KJ3535 - ■■■■■■ - ■■ Q1
1384	1.0	8000	65000	–	1.16	3011505/2176	✓	✓	✓	✓	✓	✓	✓		2KJ3535 - ■■■■■■ - ■■ P1
1307	1.1	8000	65000	–	1.31	1003835/768	✓	✓	✓	✓	✓	✓	✓		2KJ3535 - ■■■■■■ - ■■ N1
1112	1.3	8000	65000	–	1.62	7829913/7040	✓	✓	✓	✓	✓	✓	✓		2KJ3535 - ■■■■■■ - ■■ M1
953	1.5	8000	65000	–	2.00	29512749/30976			✓	✓	✓	✓	✓		2KJ3535 - ■■■■■■ - ■■ L1
838	1.7	8000	65000	–	2.50	9436049/11264			✓	✓	✓	✓	✓		2KJ3535 - ■■■■■■ - ■■ K1
707	2.1	8000	65000	–	3.20	497553/704			✓	✓	✓	✓	✓		2KJ3535 - ■■■■■■ - ■■ J1
616	2.4	8000	65000	–	4.20	5420709/8800			✓	✓	✓	✓	✓		2KJ3535 - ■■■■■■ - ■■ H1
608	2.4	8000	65000	–	1.81	826413/1360	✓	✓	✓	✓	✓	✓	✓		2KJ3535 - ■■■■■■ - ■■ G1
574	2.5	8000	65000	–	2.00	275471/480	✓	✓	✓	✓	✓	✓	✓		2KJ3535 - ■■■■■■ - ■■ F1
488	3.0	8000	65000	–	2.60	10743369/22000	✓	✓	✓	✓	✓	✓	✓		2KJ3535 - ■■■■■■ - ■■ E1
418	3.5	8000	65000	–	3.40	40494237/96800			✓	✓	✓	✓	✓		2KJ3535 - ■■■■■■ - ■■ D1
368	3.9	8000	65000	–	4.30	12947137/35200			✓	✓	✓	✓	✓		2KJ3535 - ■■■■■■ - ■■ C1
310.31	4.7	8000	65000	–	5.70	682689/2200			✓	✓	✓	✓	✓		2KJ3535 - ■■■■■■ - ■■ B1
270.46	5.4	8000	65000	–	7.50	7437717/27500			✓	✓	✓	✓	✓		2KJ3535 - ■■■■■■ - ■■ A1
K.149-D49															
13575	0.11	8000	65000	–	0.12	23891273/1760	✓	✓	✓	✓					2KJ3536 - ■■■■■■ - ■■ L1
12341	0.12	8000	65000	–	0.14	23891273/1936	✓	✓	✓	✓					2KJ3536 - ■■■■■■ - ■■ K1
10908	0.13	8000	65000	–	0.17	30717351/2816	✓	✓	✓	✓	✓	✓			2KJ3536 - ■■■■■■ - ■■ J1
9917	0.15	8000	65000	–	0.22	153586755/15488	✓	✓	✓	✓	✓	✓			2KJ3536 - ■■■■■■ - ■■ H1
8686	0.17	8000	65000	–	0.26	146760677/16896	✓	✓	✓	✓	✓	✓			2KJ3536 - ■■■■■■ - ■■ G1
8018	0.18	8000	65000	–	0.31	146760677/18304	✓	✓	✓	✓	✓	✓			2KJ3536 - ■■■■■■ - ■■ F1
7099	0.20	8000	65000	–	0.37	19990657/2816	✓	✓	✓	✓	✓	✓	✓		2KJ3536 - ■■■■■■ - ■■ E1
5909	0.25	8000	65000	–	0.50	133108521/22528	✓	✓	✓	✓	✓	✓	✓		2KJ3536 - ■■■■■■ - ■■ D1
5561	0.26	8000	65000	–	0.59	7829913/1408	✓	✓	✓	✓	✓	✓	✓		2KJ3536 - ■■■■■■ - ■■ C1
4983	0.29	8000	65000	–	0.66	126282443/25344	✓	✓	✓	✓	✓	✓	✓		2KJ3536 - ■■■■■■ - ■■ B1
4242	0.34	8000	65000	–	0.86	23891273/5632	✓	✓	✓	✓	✓	✓	✓		2KJ3536 - ■■■■■■ - ■■ A1

Article No. supplement

Shaft design	1 or 9	see page 10/49
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, C or D	see page 10/42

¹⁾ Only in conjunction with reduced-backlash version

SIMOGEAR geared motors

Bevel 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	φ ¹⁾ °	<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	160	
K.169-Z49															
6248	0.23	13000	70000	–	0.19	1799298493/288000	✓	✓	✓	✓					2KJ3537 - ■■■■■■ - ■■ C2
5680	0.26	13000	70000	–	0.23	1799298493/316800	✓	✓	✓	✓					2KJ3537 - ■■■■■■ - ■■ B2
4831	0.30	13000	70000	–	0.28	18549469/3840	✓	✓	✓	✓					2KJ3537 - ■■■■■■ - ■■ A2
4391	0.33	13000	70000	–	0.34	18549469/4224	✓	✓	✓	✓					2KJ3537 - ■■■■■■ - ■■ X1
3918	0.37	13000	70000	–	0.40	1354111237/345600	✓	✓	✓	✓	✓	✓			2KJ3537 - ■■■■■■ - ■■ W1
3513	0.41	13000	70000	–	0.48	18549469/5280	✓	✓	✓	✓	✓	✓			2KJ3537 - ■■■■■■ - ■■ V1
3167	0.46	13000	70000	–	0.57	1094418671/345600	✓	✓	✓	✓	✓	✓			2KJ3537 - ■■■■■■ - ■■ U1
2923	0.50	13000	70000	–	0.67	1094418671/374400	✓	✓	✓	✓	✓	✓			2KJ3537 - ■■■■■■ - ■■ T1
2668	0.54	13000	70000	–	0.80	537934601/201600	✓	✓	✓	✓	✓	✓	✓		2KJ3537 - ■■■■■■ - ■■ S1
2214	0.65	13000	70000	–	1.03	204044159/92160	✓	✓	✓	✓	✓	✓	✓		2KJ3537 - ■■■■■■ - ■■ R1
2084	0.70	13000	70000	–	1.19	204044159/97920	✓	✓	✓	✓	✓	✓	✓		2KJ3537 - ■■■■■■ - ■■ Q1
1968	0.74	13000	70000	–	1.35	204044159/103680	✓	✓	✓	✓	✓	✓	✓		2KJ3537 - ■■■■■■ - ■■ P1
1675	0.87	13000	70000	–	1.67	241143097/144000	✓	✓	✓	✓	✓	✓	✓		2KJ3537 - ■■■■■■ - ■■ N1
1435	1.0	13000	70000	–	2.10	908923981/633600			✓	✓	✓	✓	✓		2KJ3537 - ■■■■■■ - ■■ M1
1261	1.1	13000	70000	–	2.60	871825043/691200			✓	✓	✓	✓	✓		2KJ3537 - ■■■■■■ - ■■ L1
1064	1.4	13000	70000	–	3.30	352439911/331200			✓	✓	✓	✓	✓		2KJ3537 - ■■■■■■ - ■■ K1
927	1.6	13000	70000	–	4.40	18549469/20000			✓	✓	✓	✓	✓		2KJ3537 - ■■■■■■ - ■■ J1
915	1.6	13000	70000	–	1.98	279967567/306000	✓	✓	✓	✓	✓	✓	✓		2KJ3537 - ■■■■■■ - ■■ H1
864	1.7	13000	70000	–	2.20	279967567/324000	✓	✓	✓	✓	✓	✓	✓		2KJ3537 - ■■■■■■ - ■■ G1
735	2.0	13000	70000	–	2.90	330870761/450000	✓	✓	✓	✓	✓	✓	✓		2KJ3537 - ■■■■■■ - ■■ F1
630	2.3	13000	70000	–	3.80	1247128253/1980000			✓	✓	✓	✓	✓		2KJ3537 - ■■■■■■ - ■■ E1
554	2.6	13000	70000	–	4.70	1196225059/2160000			✓	✓	✓	✓	✓		2KJ3537 - ■■■■■■ - ■■ D1
467	3.1	13000	70000	–	6.30	483580343/1035000			✓	✓	✓	✓	✓		2KJ3537 - ■■■■■■ - ■■ C1
416	3.5	13000	70000	–	6.90	25840171/62100			✓	✓	✓	✓	✓		2KJ3537 - ■■■■■■ - ■■ B1
363	4.0	13000	70000	–	9.10	1360009/3750			✓	✓	✓	✓	✓		2KJ3537 - ■■■■■■ - ■■ A1
K.169-D49															
14931	0.10	13000	70000	–	0.22	315340973/21120	✓	✓	✓	✓	✓	✓			2KJ3538 - ■■■■■■ - ■■ H1
13078	0.11	13000	70000	–	0.26	13559661839/1036800	✓	✓	✓	✓	✓	✓			2KJ3538 - ■■■■■■ - ■■ G1
12072	0.12	13000	70000	–	0.31	13559661839/1123200	✓	✓	✓	✓	✓	✓			2KJ3538 - ■■■■■■ - ■■ F1
10689	0.14	13000	70000	–	0.38	12928979893/1209600	✓	✓	✓	✓	✓	✓	✓		2KJ3538 - ■■■■■■ - ■■ E1
8896	0.16	13000	70000	–	0.51	4099432649/460800	✓	✓	✓	✓	✓	✓	✓		2KJ3538 - ■■■■■■ - ■■ D1
8373	0.17	13000	70000	–	0.59	241143097/28800	✓	✓	✓	✓	✓	✓	✓		2KJ3538 - ■■■■■■ - ■■ C1
7502	0.19	13000	70000	–	0.66	11667616001/1555200	✓	✓	✓	✓	✓	✓	✓		2KJ3538 - ■■■■■■ - ■■ B1
6387	0.23	13000	70000	–	0.86	2207386811/345600	✓	✓	✓	✓	✓	✓	✓		2KJ3538 - ■■■■■■ - ■■ A1

Article No. supplement

Shaft design **1 or 9** [see page 10/49](#)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, C or D** [see page 10/42](#)¹⁾ Only in conjunction with reduced-backlash version

SIMOGEAR geared motors

Bevel geared motors

Transmission ratios and torques for very low speeds

Selection and ordering data

i	n_2 rpm	T_{2N} Nm	F_{R2} N	φ ¹⁾	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	160	–
K.189-Z69															
6375	0.23	19500	104000	–	0.21	3793088/595	✓	✓	✓	✓					2KJ3540 - ■■■■■■ - ■■ C2
5795	0.25	19500	104000	–	0.26	7586176/1309	✓	✓	✓	✓					2KJ3540 - ■■■■■■ - ■■ B2
4929	0.29	19500	104000	–	0.32	586560/119	✓	✓	✓	✓					2KJ3540 - ■■■■■■ - ■■ A2
4481	0.32	19500	104000	–	0.39	5865600/1309	✓	✓	✓	✓					2KJ3540 - ■■■■■■ - ■■ X1
3998	0.36	19500	104000	–	0.46	1427296/357	✓	✓	✓	✓	✓	✓			2KJ3540 - ■■■■■■ - ■■ W1
3585	0.40	19500	104000	–	0.56	4692480/1309	✓	✓	✓	✓	✓	✓			2KJ3540 - ■■■■■■ - ■■ V1
3231	0.45	19500	104000	–	0.66	1153568/357	✓	✓	✓	✓	✓	✓			2KJ3540 - ■■■■■■ - ■■ U1
2983	0.49	19500	104000	–	0.78	354944/119	✓	✓	✓	✓	✓	✓			2KJ3540 - ■■■■■■ - ■■ T1
2723	0.53	19500	104000	–	0.93	2268032/833	✓	✓	✓	✓	✓	✓	✓		2KJ3540 - ■■■■■■ - ■■ S1
2259	0.64	19500	104000	–	1.23	268840/119	✓	✓	✓	✓	✓	✓	✓		2KJ3540 - ■■■■■■ - ■■ R1
2126	0.68	19500	104000	–	1.41	4301440/2023	✓	✓	✓	✓	✓	✓	✓		2KJ3540 - ■■■■■■ - ■■ Q1
2008	0.72	19500	104000	–	1.59	2150720/1071	✓	✓	✓	✓	✓	✓	✓		2KJ3540 - ■■■■■■ - ■■ P1
1709	0.85	19500	104000	–	2.0	1016704/595	✓	✓	✓	✓	✓	✓	✓		2KJ3540 - ■■■■■■ - ■■ N1
1464	0.99	19500	104000	–	2.5	273728/187			✓	✓	✓	✓	✓		2KJ3540 - ■■■■■■ - ■■ M1
1287	1.1	19500	104000	–	3.2	459472/357			✓	✓	✓	✓	✓		2KJ3540 - ■■■■■■ - ■■ L1
1086	1.3	19500	104000	–	4.1	2971904/2737			✓	✓	✓	✓	✓		2KJ3540 - ■■■■■■ - ■■ K1
946	1.5	19500	104000	–	5.5	2815488/2975			✓	✓	✓	✓	✓		2KJ3540 - ■■■■■■ - ■■ J1
889	1.6	19500	104000	–	3.1	3128320/3519	✓	✓	✓	✓	✓	✓	✓		2KJ3540 - ■■■■■■ - ■■ H1
756	1.9	19500	104000	–	4.0	16267264/21505	✓	✓	✓	✓	✓	✓	✓		2KJ3540 - ■■■■■■ - ■■ G1
648	2.2	19500	104000	–	5.3	30657536/47311			✓	✓	✓	✓	✓		2KJ3540 - ■■■■■■ - ■■ F1
570	2.5	19500	104000	–	6.7	7351552/12903			✓	✓	✓	✓	✓		2KJ3540 - ■■■■■■ - ■■ E1
481	3.0	19500	104000	–	9.1	47550464/98923			✓	✓	✓	✓	✓		2KJ3540 - ■■■■■■ - ■■ D1
419	3.5	19500	104000	–	12	45047808/107525			✓	✓	✓	✓	✓		2KJ3540 - ■■■■■■ - ■■ C1
384	3.8	19500	104000	–	11	37948928/98923			✓	✓	✓	✓	✓		2KJ3540 - ■■■■■■ - ■■ B1
334.36	4.3	19500	104000	–	14	35951616/107525			✓	✓	✓	✓	✓		2KJ3540 - ■■■■■■ - ■■ A1
K.189-D69															
13345	0.11	19500	104000	–	0.26	840736/63	✓	✓	✓	✓	✓	✓			2KJ3541 - ■■■■■■ - ■■ G1
12318	0.12	19500	104000	–	0.32	258688/21	✓	✓	✓	✓	✓	✓			2KJ3541 - ■■■■■■ - ■■ F1
10907	0.13	19500	104000	–	0.38	1603264/147	✓	✓	✓	✓	✓	✓	✓		2KJ3541 - ■■■■■■ - ■■ E1
9078	0.16	19500	104000	–	0.52	63544/7	✓	✓	✓	✓	✓	✓	✓		2KJ3541 - ■■■■■■ - ■■ D1
8544	0.17	19500	104000	–	0.61	1016704/119	✓	✓	✓	✓	✓	✓	✓		2KJ3541 - ■■■■■■ - ■■ C1
7655	0.19	19500	104000	–	0.67	1446848/189	✓	✓	✓	✓	✓	✓	✓		2KJ3541 - ■■■■■■ - ■■ B1
6517	0.22	19500	104000	–	0.89	19552/3	✓	✓	✓	✓	✓	✓	✓		2KJ3541 - ■■■■■■ - ■■ A1

Article No. supplement

Shaft design	1 or 9	see page 10/49
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, C or D	see page 10/42

¹⁾ Only in conjunction with reduced-backlash version

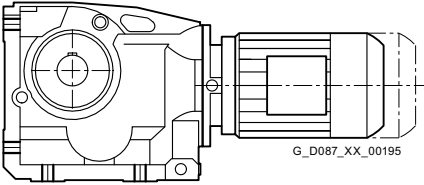
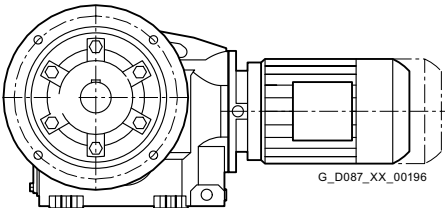
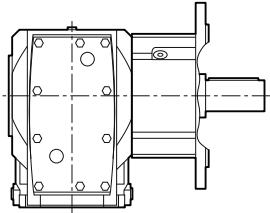
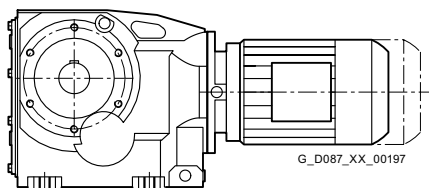
SIMOGEAR geared motors

Bevel geared motors

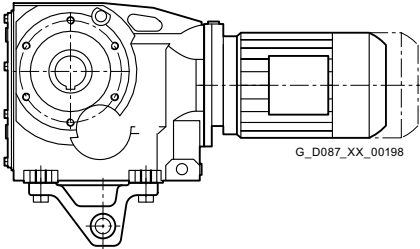
Dimensional drawings

Overview

Information about dimensional drawings can be found in chapter [Introduction on page 1/24](#).

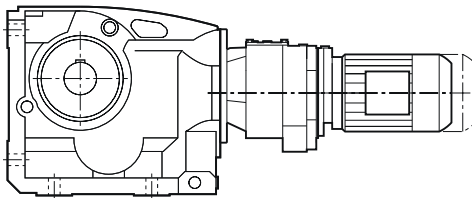
Design	Frame size	Dimensional drawing on page
Bevel geared motors B and K		
<i>Foot-mounted design</i>		
	B..19	5/70
	B..29	5/74
	B..39	5/78
	B..49	5/82
	K..39	5/86
	K..49	5/90
	K..69	5/94
	K..79	5/98
	K..89	5/102
	K..109	5/107
	K..129	5/112
	K..149	5/117
	K..169	5/122
	K..189	5/127
<i>Flange-mounted design</i>		
	B.F.19	5/71
	B.F.29	5/75
	B.F.39	5/79
	B.F.49	5/83
	K.F.39	5/87
	K.F.49	5/91
	K.F.69	5/95
	K.F.79	5/99
	K.F.89	5/103
	K.F.109	5/108
	K.F.129	5/113
	K.F.149	5/118
	K.F.169	5/123
	K.F.189	5/128
<i>Flange-mounted design with VLplus reinforced bearing system</i>		
	K.F.89	5/104
	K.F.109	5/109
	K.F.129	5/114
	K.F.149	5/119
	K.F.169	5/124
<i>Housing flange design</i>		
	B.Z.19	5/72
	B.Z.29	5/76
	B.Z.39	5/80
	B.Z.49	5/84
	K.Z.39	5/88
	K.Z.49	5/92
	K.Z.69	5/96
	K.Z.79	5/100
	K.Z.89	5/105
	K.Z.109	5/110
	K.Z.129	5/115
	K.Z.149	5/120
	K.Z.169	5/125
	K.Z.189	5/129

Overview

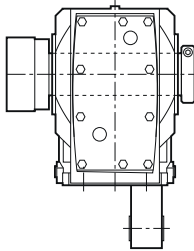
Design	Frame size	Dimensional drawing on page
Bevel geared motors B and K		
<i>Shaft-mounted design</i>		
 G_D087_XX_00198	BAD.19	5/73
	BAD.29	5/77
	BAD.39	5/81
	BAD.49	5/85
	KAD.39	5/89
	KAD.49	5/93
	KAD.69	5/97
	KAD.79	5/101
	KAD.89	5/106
	KAD.109	5/111
	KAD.129	5/116
	KAD.149	5/121
	KAD.169	5/126
	KAD.189	5/130

Bevel tandem geared motors

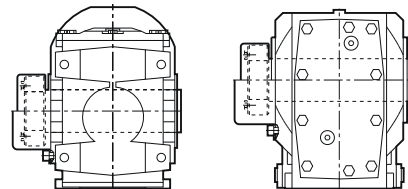
K.39-D/Z19 ... K.189-D/Z69 5/131 ... 5/132

**Additional versions and options***SIMOLOC assembly system*

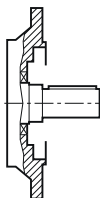
BADR29 ... BADR49 5/133 ... 5/134
KADR39 ... K...R89

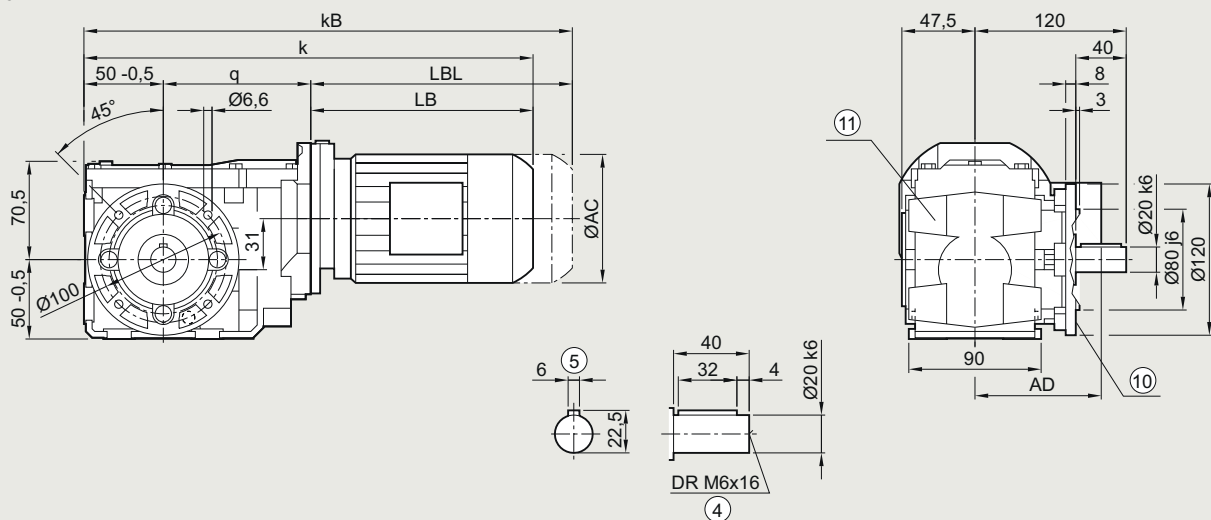
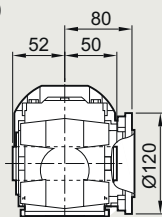
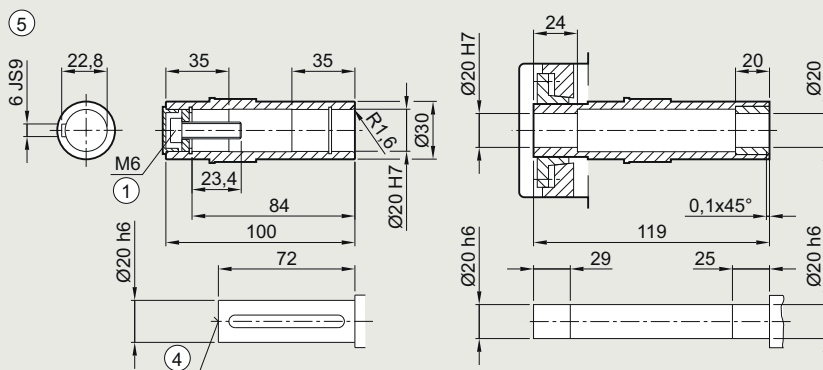
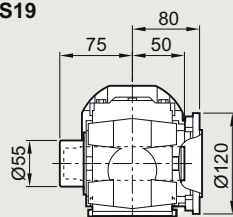
*Protective covers*

BA.19 ... KA.189 5/134 ... 5/135

*Inner contour of the flange-mounted design*

BF19 ... KF189 5/136
BAF19 ... KAF189



Gearbox B.F.19 in a flange-mounted design
BF030, BAF030
BF19

BAF19

BAFS19


Motor	LE 63	63Z	71	71Z	71Y	80	80Z
q	133.0	133.0	141.0	141.0	141.0	149.5	149.5
AC	117.8	117.8	138.8	138.8	138.8	156.3	156.3
AD ¹⁾	124.0	124.0	134.0	134.0	134.0	149.2	149.2
k	343.5	369.5	375.5	394.5	434.5	439.5	474.5
kB	388.0	414.0	430.5	449.5	489.5	499.5	534.5
LB	160.5	186.5	184.5	203.5	243.5	240.0	275.0
LBL	205.0	231.0	239.5	258.5	298.5	300.0	335.0

① ISO 4014

④ DIN 332

⑤ Feather key/keyway DIN 6885-1

⑩ For inner contour, see page 5/136

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

⑪ Use bores only for foot-mounted design

SIMOGEAR geared motors

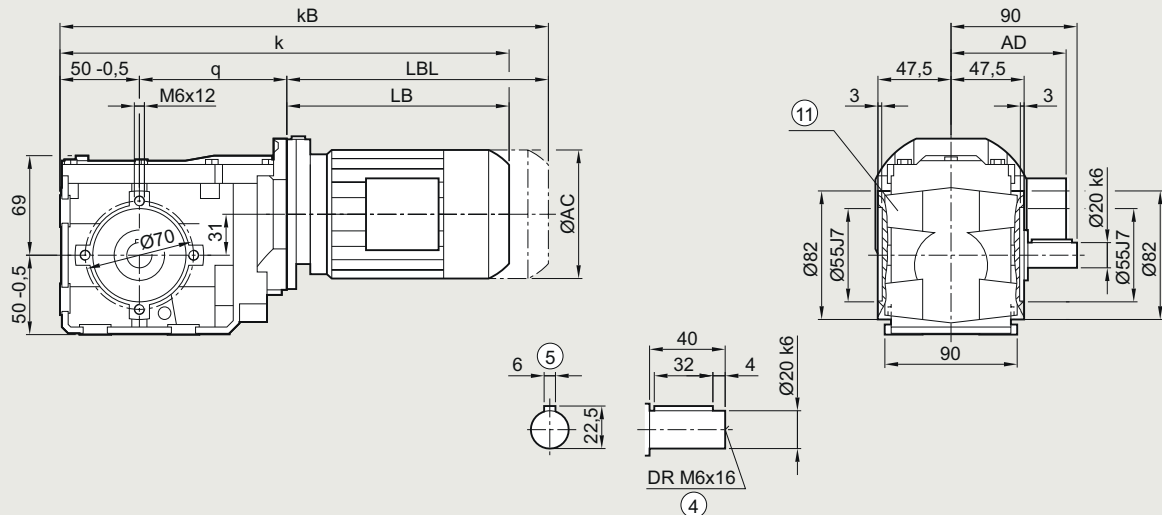
Bevel geared motors

Dimensional drawings

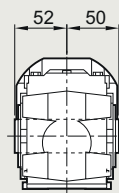
Gearbox B.Z.19 in a housing flange design

BZ030, BAZ030

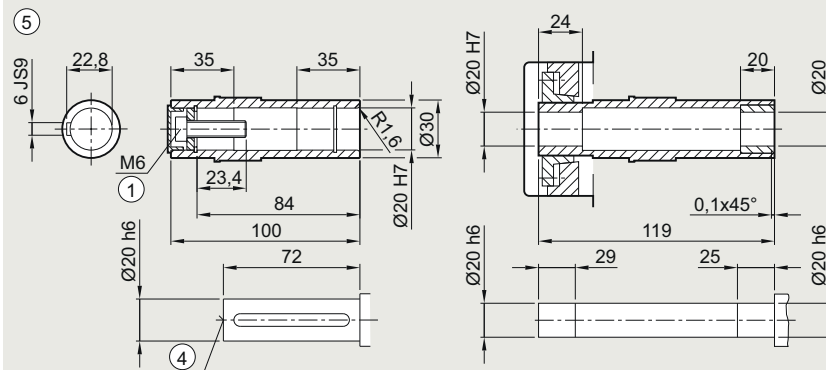
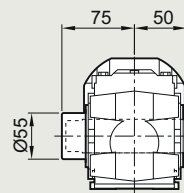
BZ19



BAZ19



BAZS19



Motor	LE 63	63Z	71	71Z	71Y	80	80Z
q	133.0	133.0	141.0	141.0	141.0	149.5	149.5
AC	117.8	117.8	138.8	138.8	138.8	156.3	156.3
AD ¹⁾	124.0	124.0	134.0	134.0	134.0	149.2	149.2
k	343.5	369.5	375.5	394.5	434.5	439.5	474.5
kB	388.0	414.0	430.5	449.5	489.5	499.5	534.5
LB	160.5	186.5	184.5	203.5	243.5	240.0	275.0
LBL	205.0	231.0	239.5	258.5	298.5	300.0	335.0

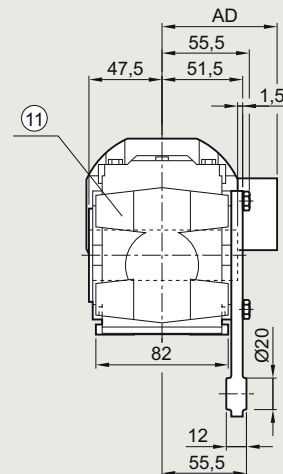
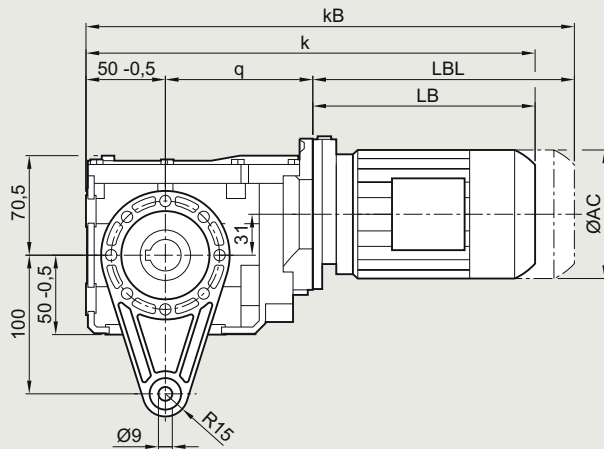
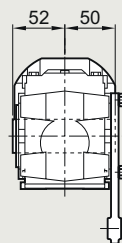
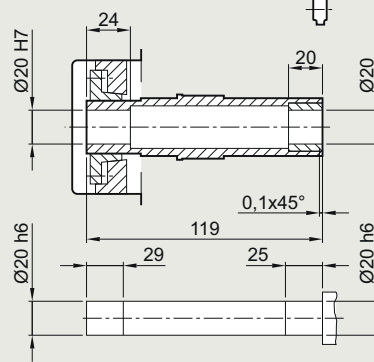
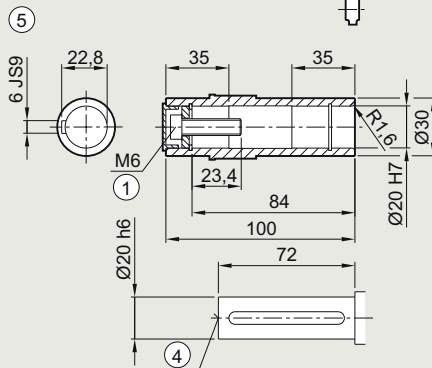
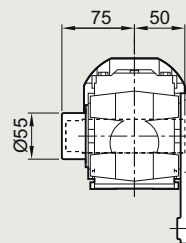
① ISO 4014

④ DIN 332

⑤ Feather key/keyway DIN 6885-1

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

⑪ Use bores only for foot-mounted design

Gearbox BAD.19 in a shaft-mounted design
BAD030
BAD19

BAD19

BADS19


Motor	LE 63	63Z	71	71Z	71Y	80	80Z
q	133.0	133.0	141.0	141.0	141.0	149.5	149.5
AC	117.8	117.8	138.8	138.8	138.8	156.3	156.3
AD ¹⁾	124.0	124.0	134.0	134.0	134.0	149.2	149.2
k	343.5	369.5	375.5	394.5	434.5	439.5	474.5
kB	388.0	414.0	430.5	449.5	489.5	499.5	534.5
LB	160.5	186.5	184.5	203.5	243.5	240.0	275.0
LBL	205.0	231.0	239.5	258.5	298.5	300.0	335.0

① ISO 4014

④ DIN 332

⑤ Feather key/keyway DIN 6885-1

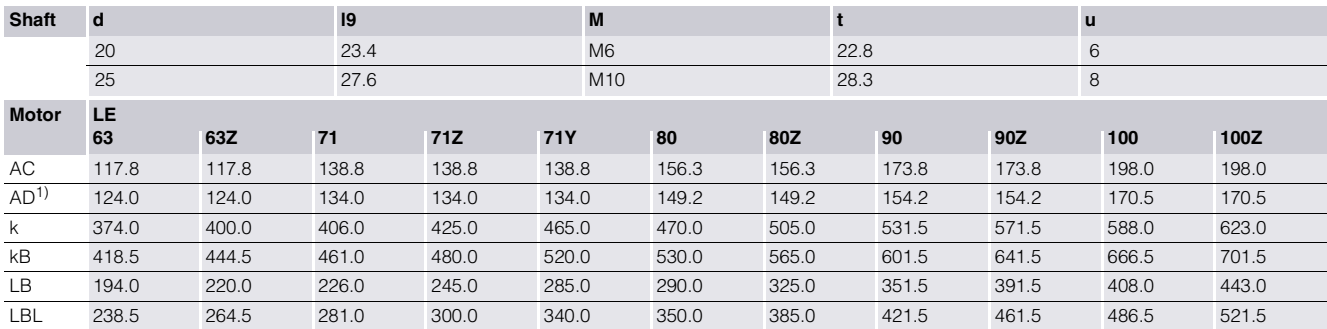
1) AD depends on the motor options, for other dimensions, see page 9/46.

⑩ Use bores only for foot-mounted design

Bevel geared motors

Gearbox B..29 in a foot-mounted design

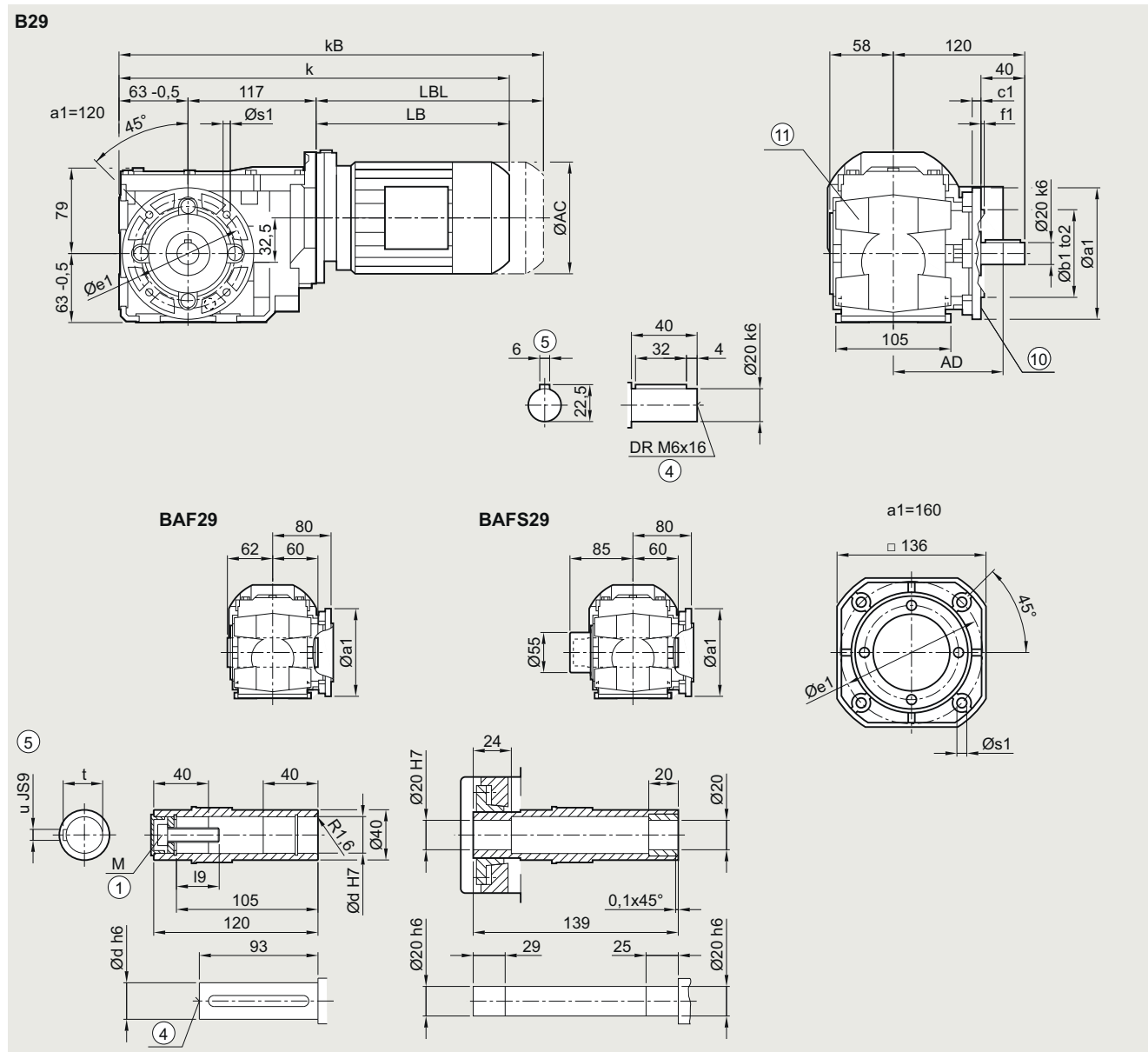
B030, BA030, BAS030



⑪ Use bores only for housing flange design

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

BF030, BAF030, BAFS030

[illegible]

① ISO 4014

④ DIN 332

⑤ Feather key/keyway DIN 6885-1

⑩ For inner contour, see page 5/136

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

⑪ Use bores only for foot-mounted design

SIMOGEAR geared motors

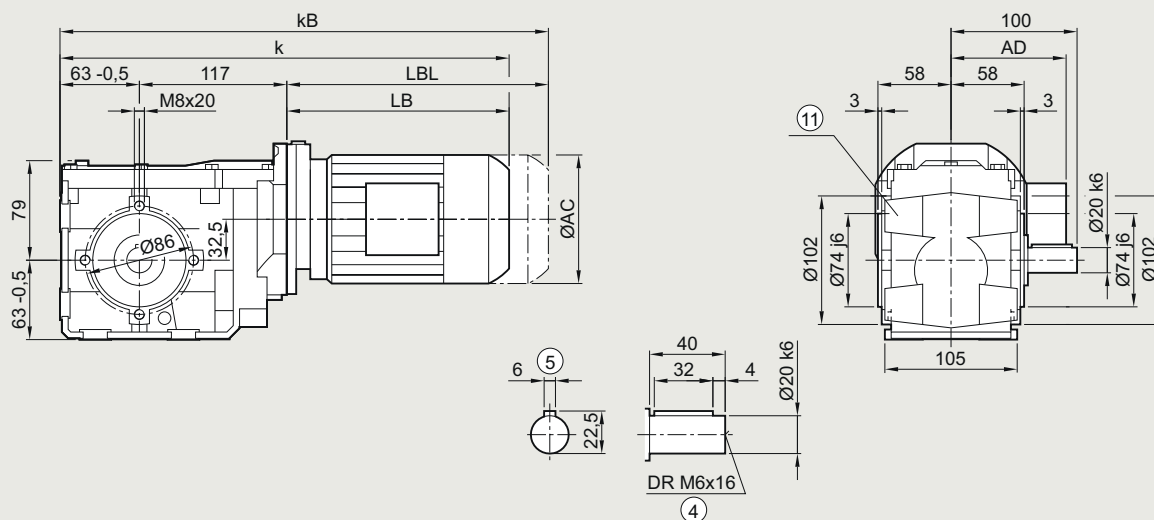
Bevel geared motors

Dimensional drawings

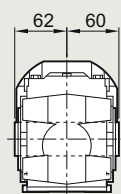
Gearbox B.Z.29 in a housing flange design

BZ030, BAZ030, BAZS030

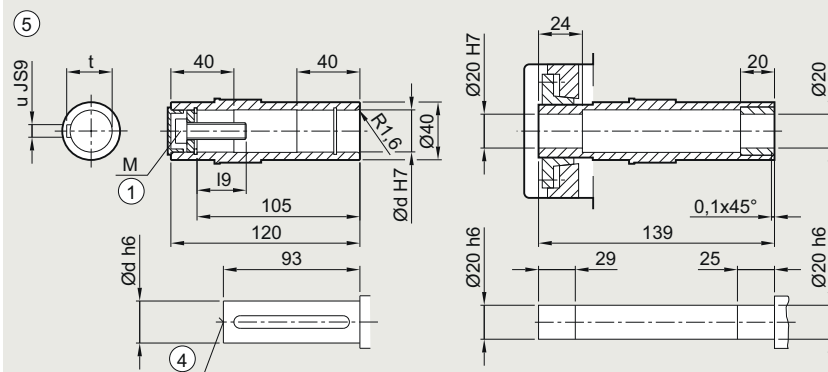
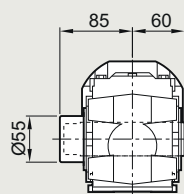
BZ29



BAZ29



BAZS29



Shaft	d	I9	M	t	u
	20	23.4	M6	22.8	6
	25	27.6	M10	28.3	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	374.0	400.0	406.0	425.0	465.0	470.0	505.0	531.5	571.5	588.0	623.0
kB	418.5	444.5	461.0	480.0	520.0	530.0	565.0	601.5	641.5	666.5	701.5
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

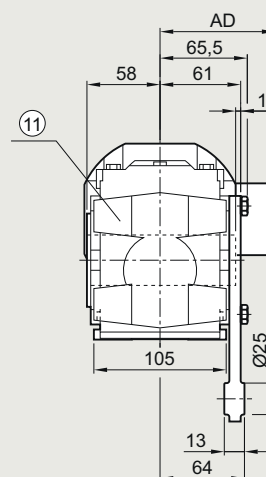
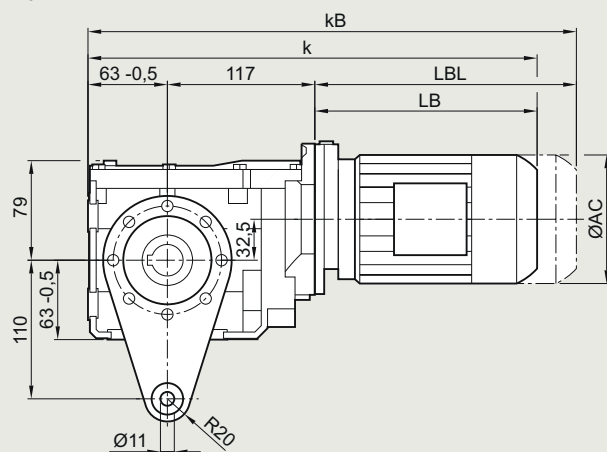
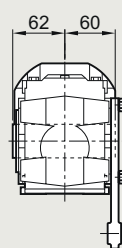
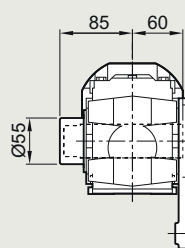
① ISO 4014

④ DIN 332

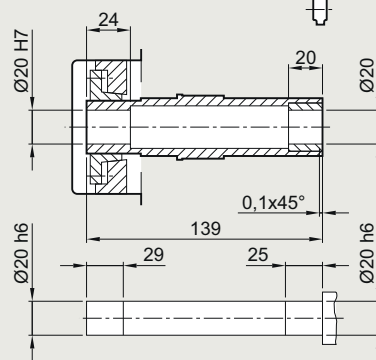
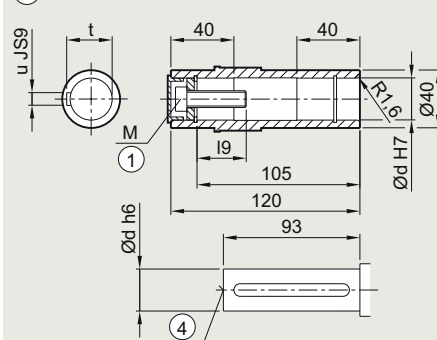
⑤ Feather key/keyway DIN 6885-1

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

⑩ Use bores only for foot-mounted design

Gearbox BAD.29 in a shaft-mounted design
BAD030, BADS030
BAD29

BAD29

BADS29


⑤



Shaft	d	I9	M	t	u
	20	23.4	M6	22.8	6
	25	27.6	M10	28.3	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	374.0	400.0	406.0	425.0	465.0	470.0	505.0	531.5	571.5	588.0	623.0
kB	418.5	444.5	461.0	480.0	520.0	530.0	565.0	601.5	641.5	666.5	701.5
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.

⑩ Use bores only for foot-mounted design

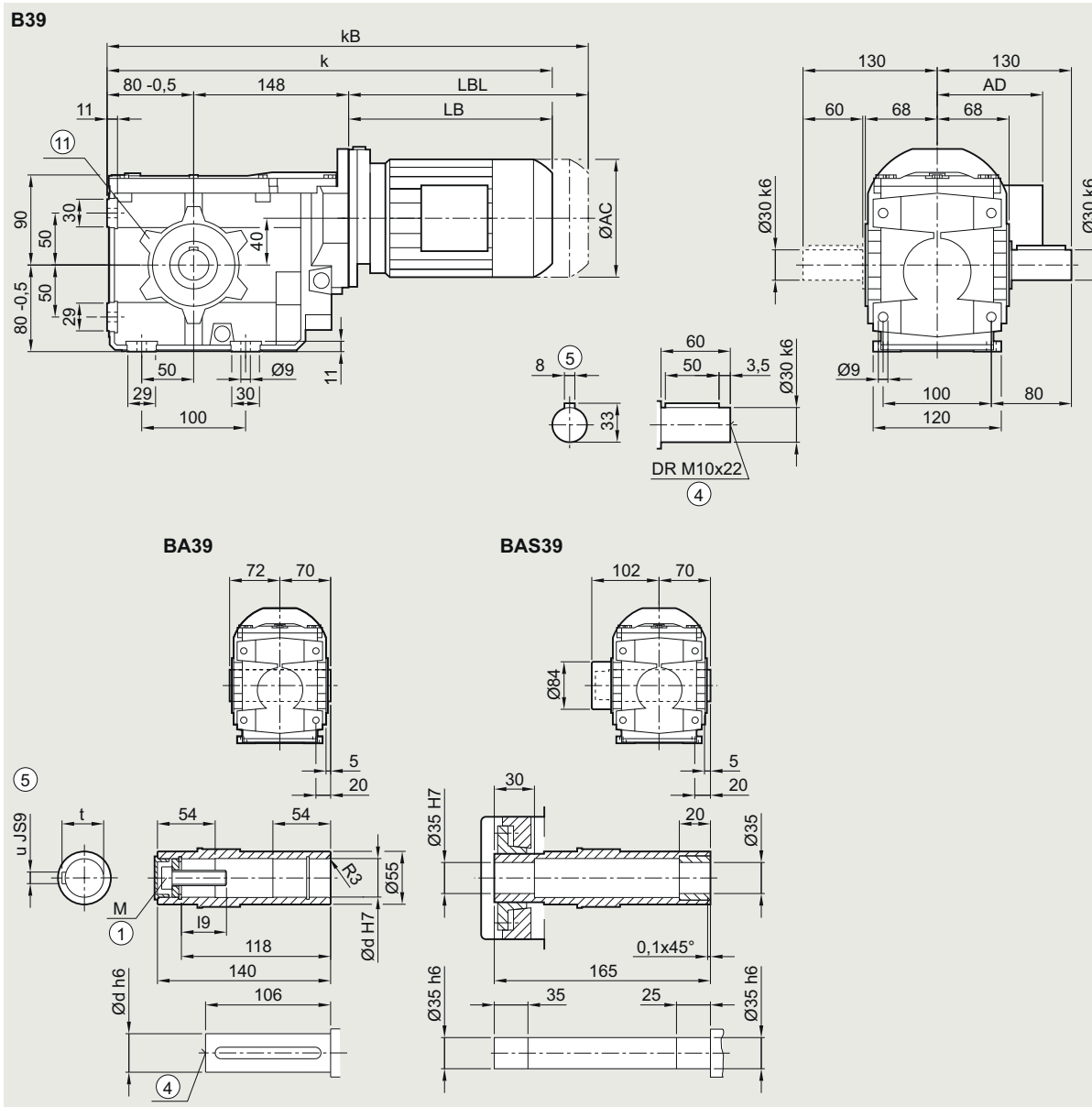
SIMOGEAR geared motors

Bevel geared motors

Dimensional drawings

Gearbox B..39 in a foot-mounted design

B030, BA030, BAS030



Shaft	d	I9	M	t	u
	30	32.6	M10	33.3	8
	35	37	M12	38.3	10
	40	47.75	M16	43.3	12

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	422.0	448.0	454.0	473.0	513.0	518.0	553.0	579.5	619.5	636.0	671.0	646.0	671.0
kB	466.5	492.5	509.0	528.0	568.0	578.0	613.0	649.5	689.5	714.5	749.5	719.0	744.0
LB	194.0	220.0	226.0	245.0	285.0	290.0	325.0	351.5	391.5	408.0	443.0	418.0	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	491.0	516.0

① ISO 4014

④ DIN 332

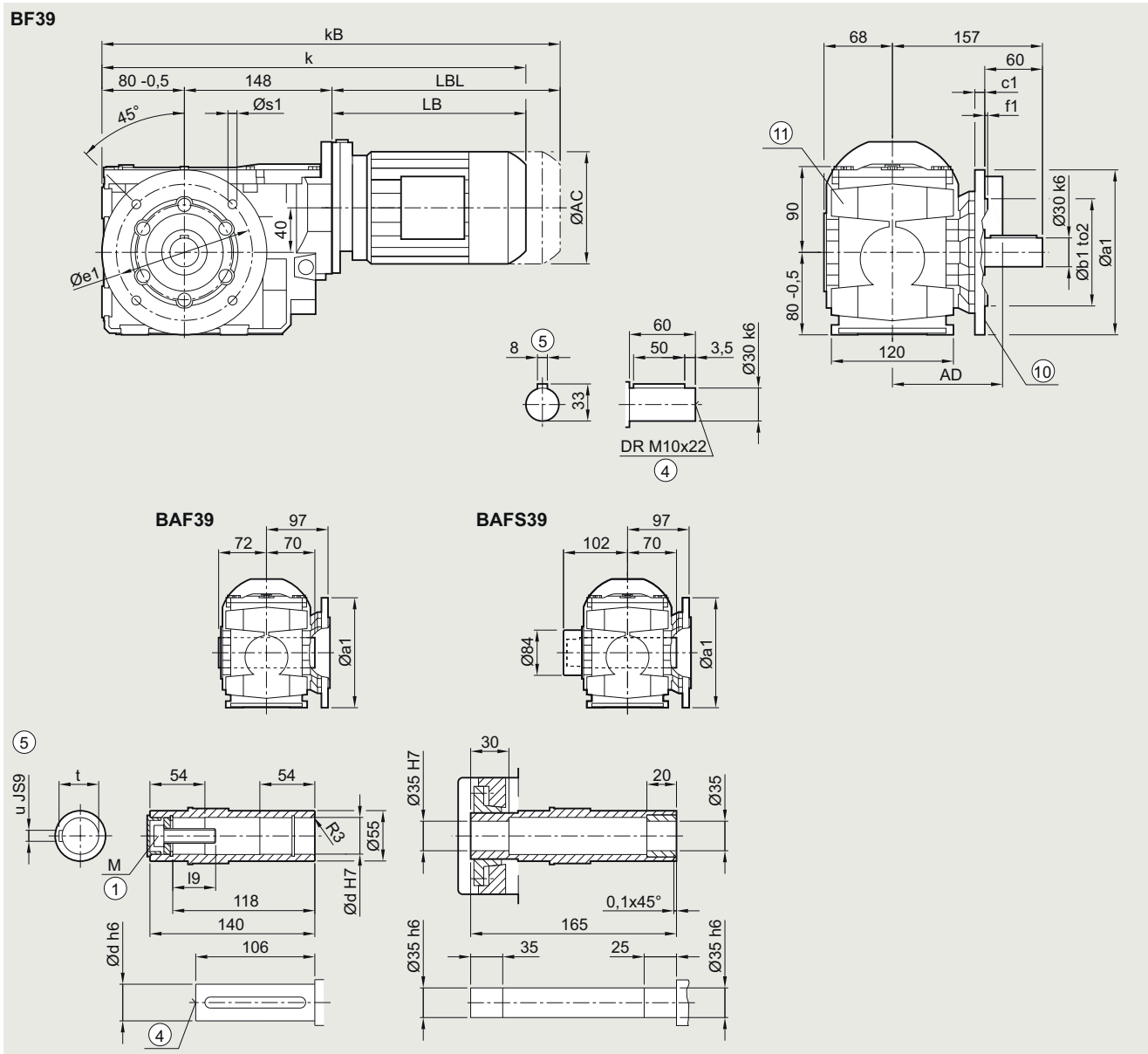
⑤ Feather key/keyway DIN 6885-1

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

⑥ Use bores only for housing flange design

Gearbox B.F.39 in a flange-mounted design

BF030, BAF030, BAFS030



Flange	a1		b1		c1		f1		e1		s		to2		
	160		110		10		3.5		130		9		j6		
	200		130		12		3.5		165		11		j6		
Shaft	d			I9			M			t			u		
	30			32.6			M10			33.3			8		
	35			37			M12			38.3			10		
	40			47.75			M16			43.3			12		
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	422.0	448.0	454.0	473.0	513.0	518.0	553.0	579.5	619.5	636.0	671.0	646.0	671.0		
kB	466.5	492.5	509.0	528.0	568.0	578.0	613.0	649.5	689.5	714.5	749.5	719.0	744.0		
LB	194.0	220.0	226.0	245.0	285.0	290.0	325.0	351.5	391.5	408.0	443.0	418.0	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	491.0	516.0		

① ISO 4014

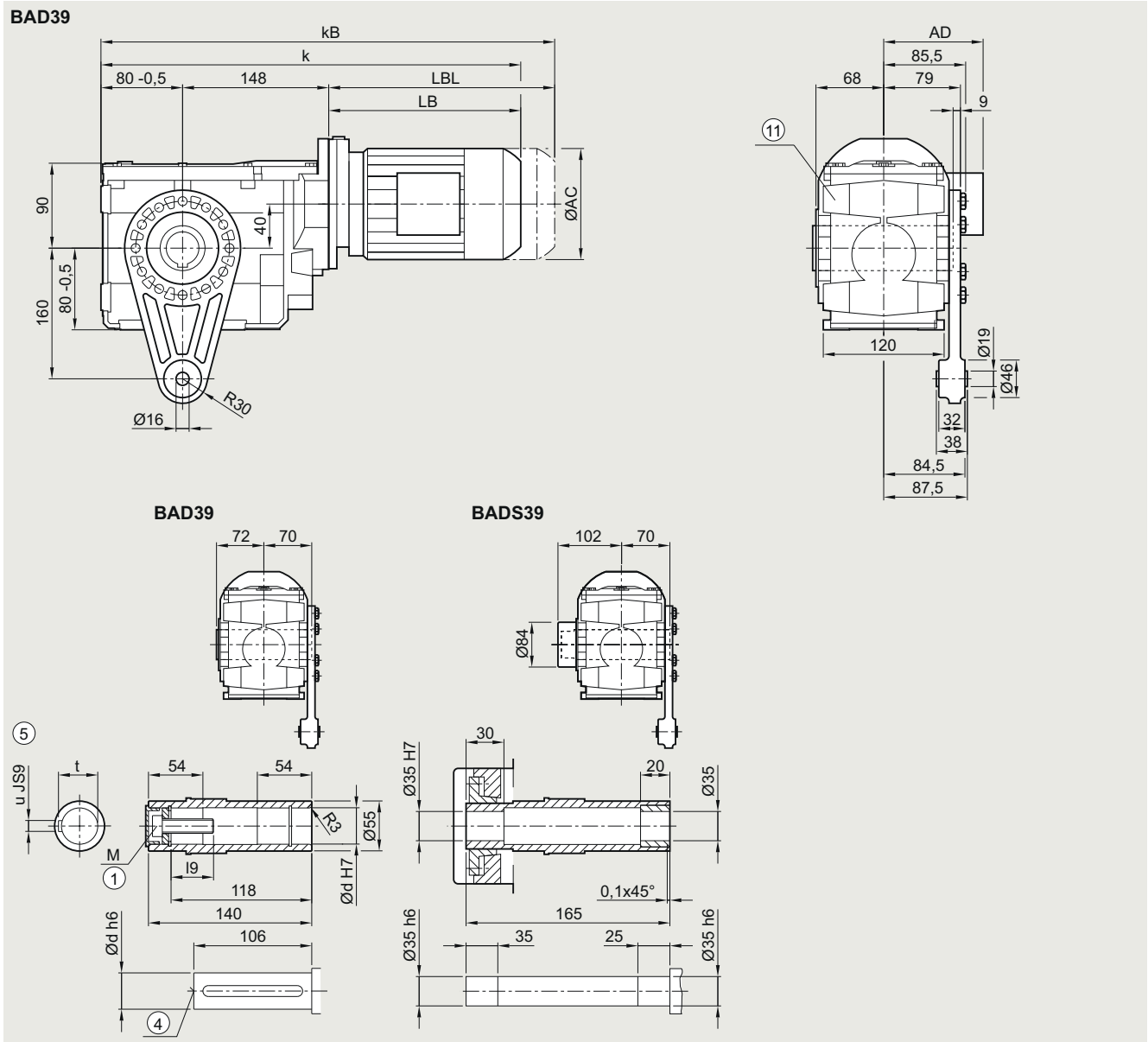
④ DIN 332

⑤ Feather key/keyway DIN 6885-1

⑩ For inner contour, see page 5/136

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

⑪ Use bores only for foot-mounted design

Gearbox BAD.39 in a shaft-mounted design
BAD030, BADS030


Shaft	d	I9	M	t	u
	30	32.6	M10	33.3	8
	35	37	M12	38.3	10
	40	47.75	M16	43.3	12

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	422.0	448.0	454.0	473.0	513.0	518.0	553.0	579.5	619.5	636.0	671.0	646.0	671.0
kB	466.5	492.5	509.0	528.0	568.0	578.0	613.0	649.5	689.5	714.5	749.5	719.0	744.0
LB	194.0	220.0	226.0	245.0	285.0	290.0	325.0	351.5	391.5	408.0	443.0	418.0	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	491.0	516.0

⑤ 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 Use bores only for foot-mounted design

Bevel geared motors

Gearbox B..49 in a foot-mounted design

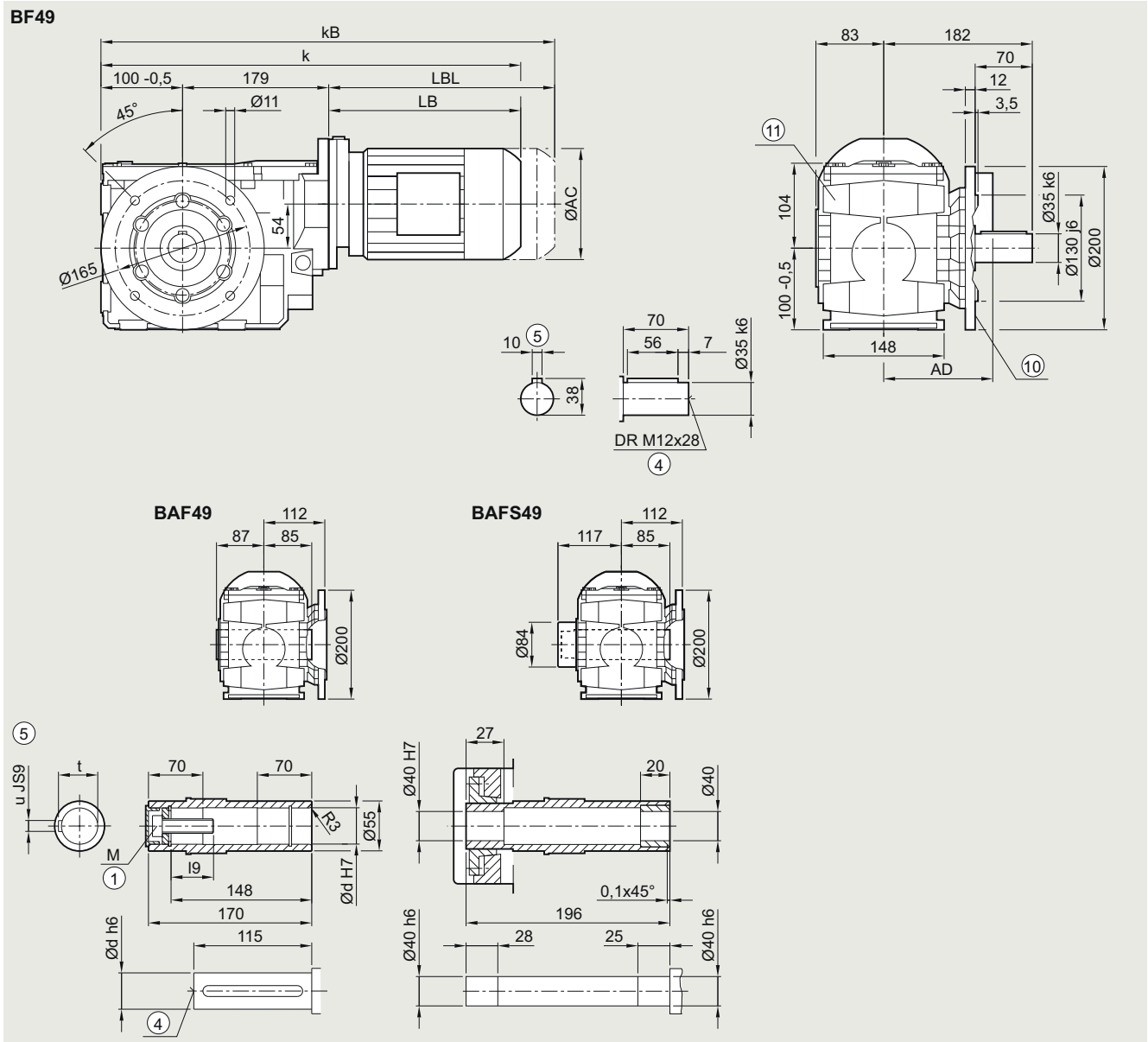
[illegible]

Shaft	d			I9			M			t			u		
	35			57			M12			38.3			10		
	40			67.75			M16			43.3			12		
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	463.5	489.5	495.5	514.5	554.5	559.5	594.5	621.0	661.0	677.5	712.5	687.5	722.0	740.5	790.5
kB	508.0	534.0	550.5	569.5	609.5	619.5	654.5	691.0	731.0	756.0	791.0	760.5	795.0	845.0	895.0
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

⑪ Use bores only for housing flange design

Gearbox B.F.49 in a flange-mounted design

BF030, BAF030, BAFS030



Shaft	d			l9			M			t			u		
	35			57			M12			38.3			10		
	40			67.75			M16			43.3			12		
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	463.5	489.5	495.5	514.5	554.5	559.5	594.5	621.0	661.0	677.5	712.5	687.5	722.0	740.5	790.5
kB	508.0	534.0	550.5	569.5	609.5	619.5	654.5	691.0	731.0	756.0	791.0	760.5	795.0	845.0	895.0
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

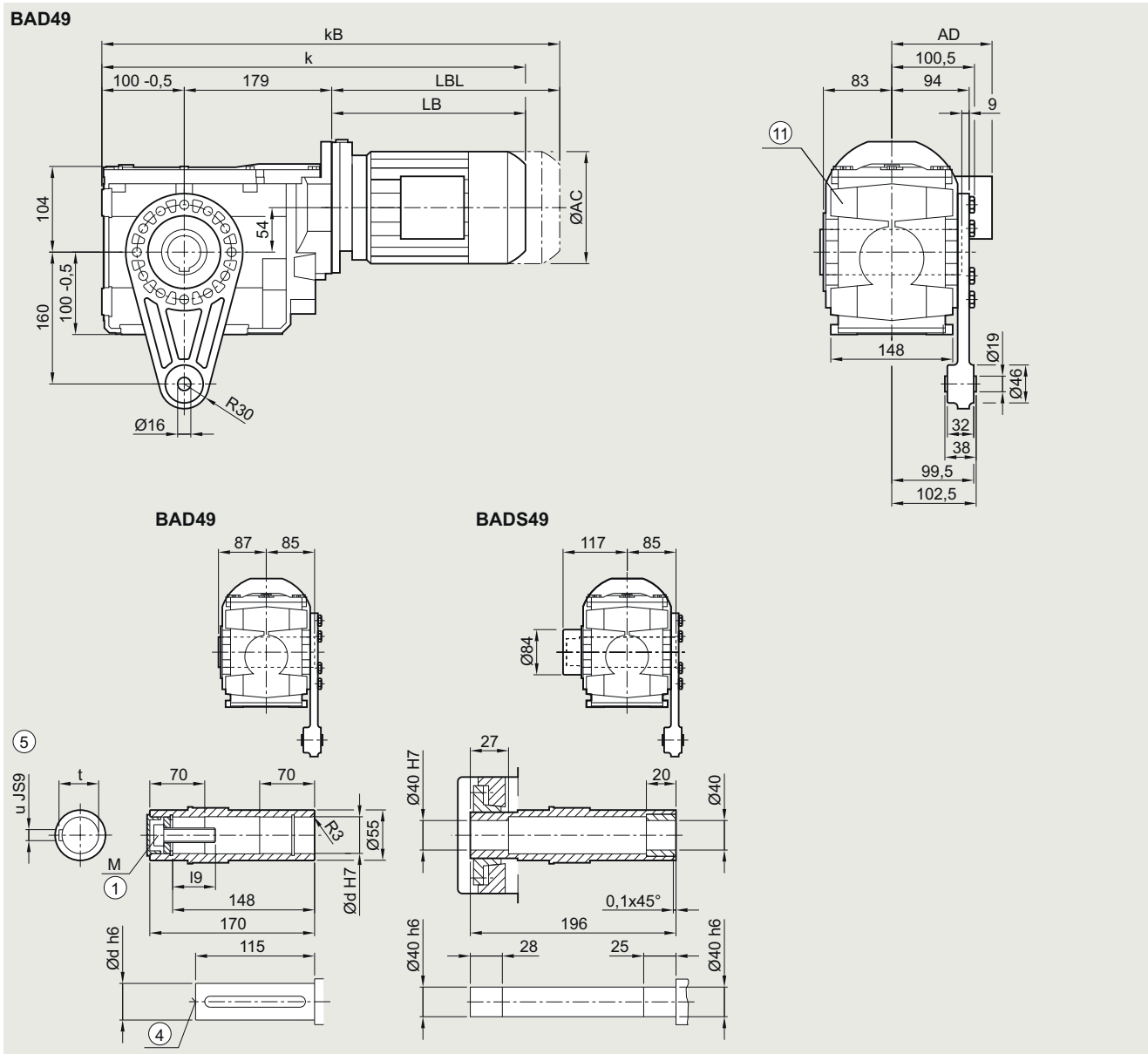
④ DIN 332

⑤ Feather key/keyway DIN 6885-1

⑩ For inner contour, see page 5/136

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

⑪ Use bores only for foot-mounted design

Gearbox BAD.49 in a shaft-mounted design
BAD030, BADS030


Shaft	d		I9				M			t			u		
	35		57				M12			38.3			10		
	40		67.75				M16			43.3			12		
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	463.5	489.5	495.5	514.5	554.5	559.5	594.5	621.0	661.0	677.5	712.5	687.5	722.0	740.5	790.5
kB	508.0	534.0	550.5	569.5	609.5	619.5	654.5	691.0	731.0	756.0	791.0	760.5	795.0	845.0	895.0
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

⑤ 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.

⑥ Use bores only for foot-mounted design

SIMOGEAR geared motors

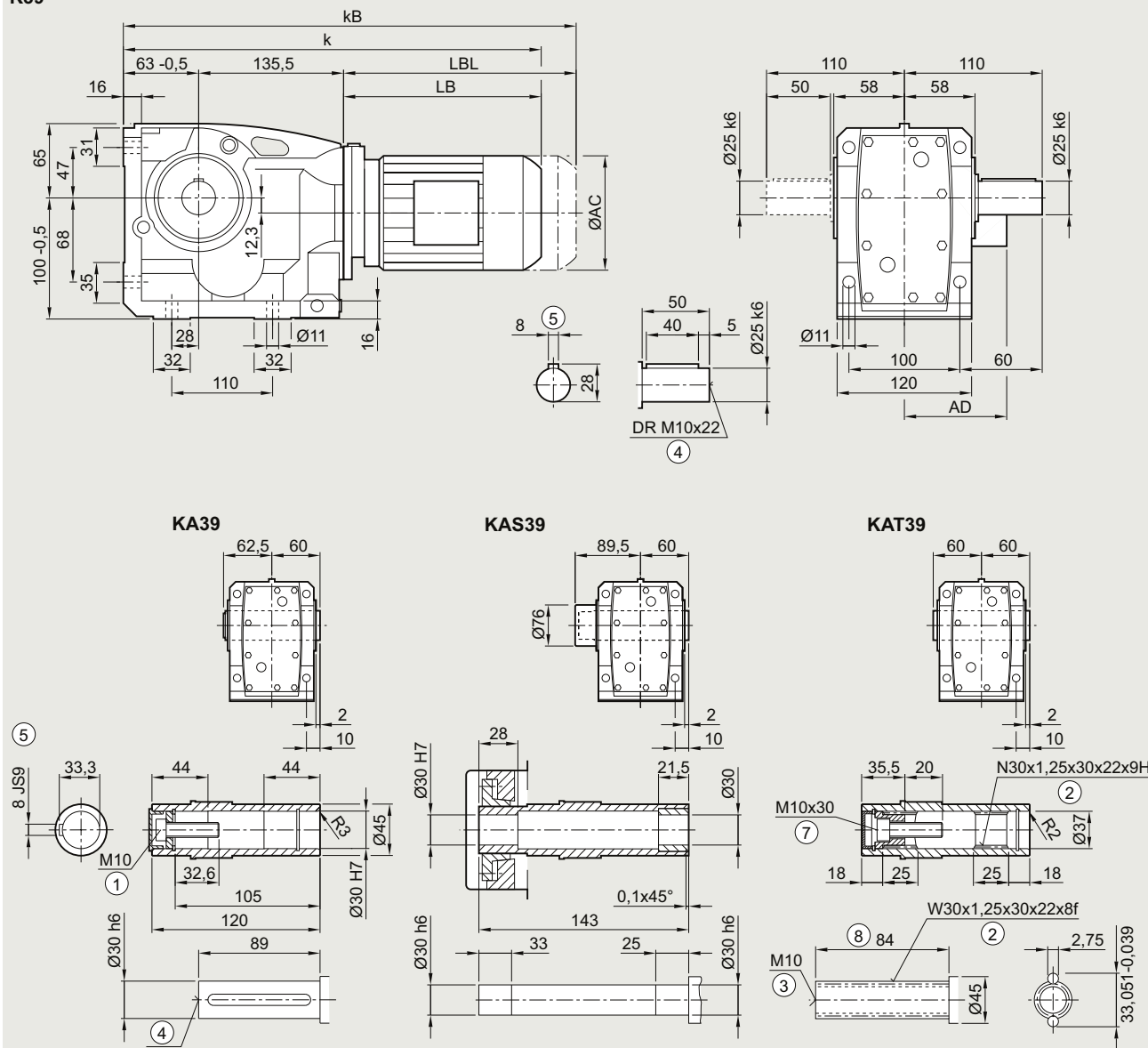
Bevel geared motors

Dimensional drawings

Gearbox K..39 in a foot-mounted design

K030, KA030, KAS030, KAT030

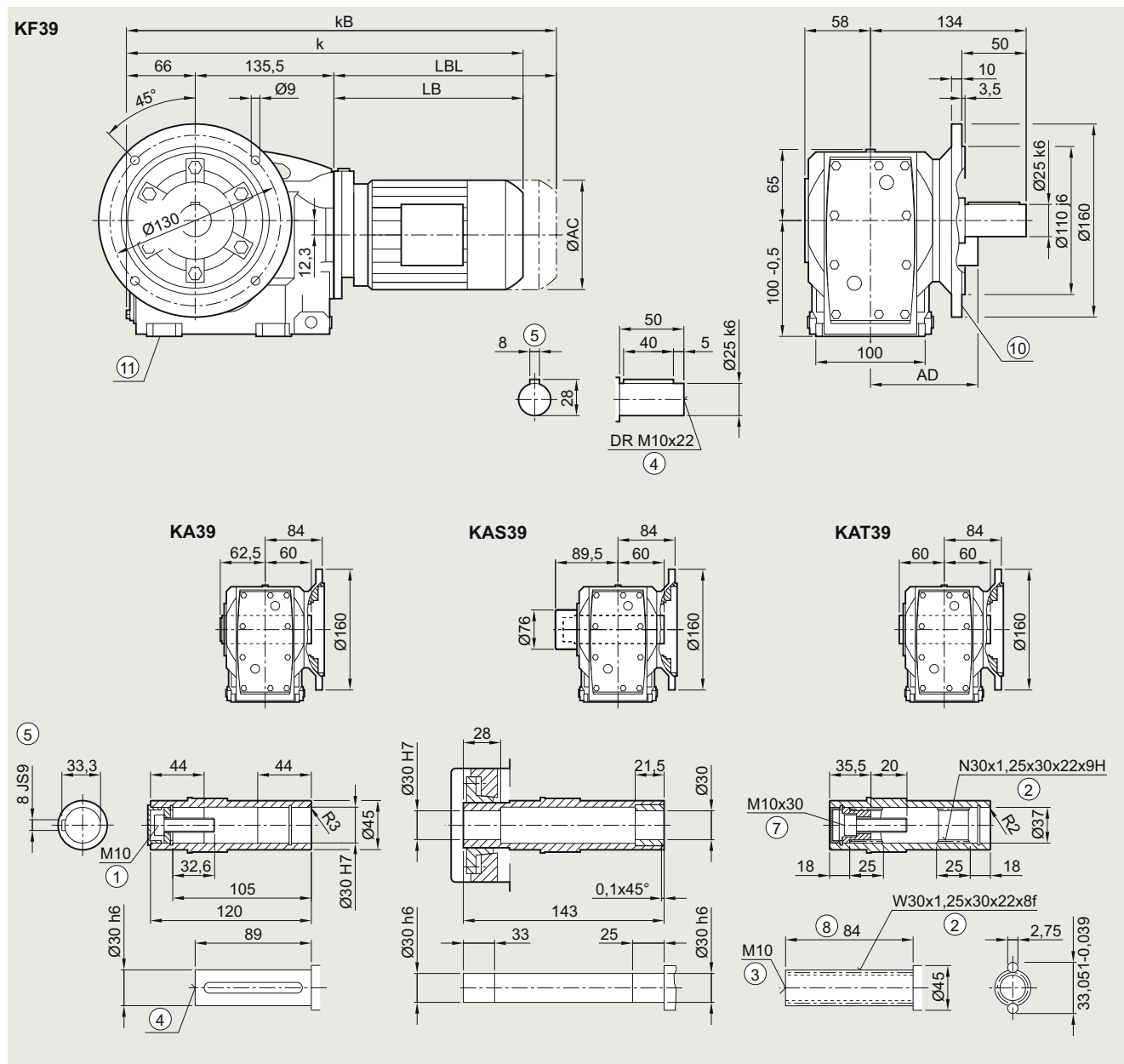
K39



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	392.0	418.0	424.0	443.0	483.0	488.0	523.0	549.5	589.5	606.0	641.0	616.0	641.0
kB	436.5	462.5	479.0	498.0	538.0	548.0	583.0	619.5	659.5	684.5	719.5	689.0	714.0
LB	194.0	220.0	226.0	245.0	285.0	290.0	325.0	351.5	391.5	408.0	443.0	418.0	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	491.0	516.0

① ISO 4014 ② DIN 5480 ③ DIN 332-D ④ DIN 332 ⑤ Feather key/keyway DIN 6885-1 ⑦ ISO 4762 ⑧ Without locating shoulder +1 mm

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

Gearbox K.F.39 in a flange-mounted design
KF030, KAF030, KAFS030, KAFT030


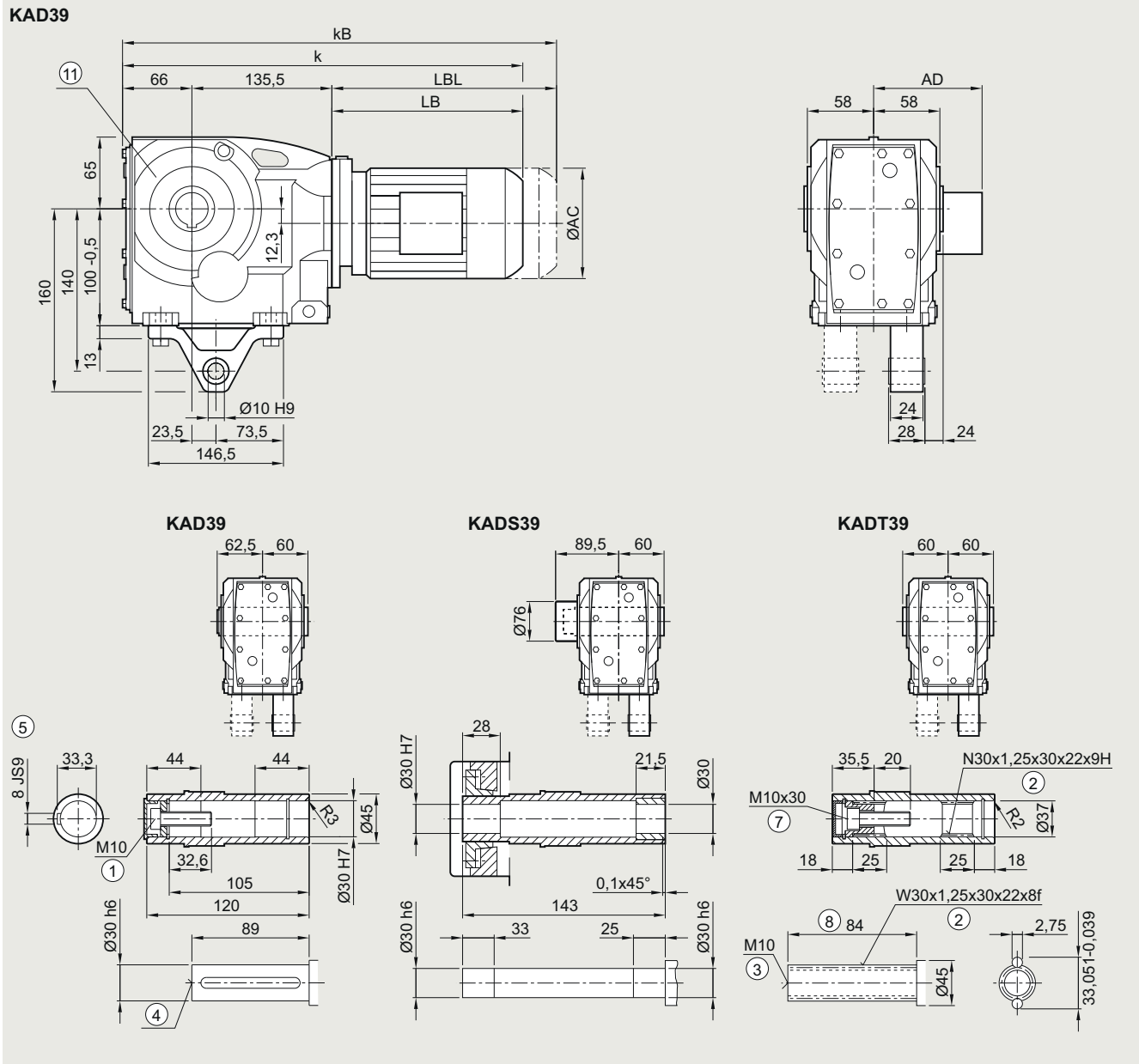
Motor	LE 63	63Z	71	71Z	71Y	80	80Z	90	90Z	100	100Z	112	112Z
AC	117.8	117.8	138.8	138.8	138.8	156.3	156.3	173.8	173.8	198.0	198.0	222.0	222.0
AD ¹⁾	124.0	124.0	134.0	134.0	134.0	149.2	149.2	154.2	154.2	170.5	170.5	181.5	181.5
k	395.0	421.0	427.0	446.0	486.0	491.0	526.0	552.5	592.5	609.0	644.0	619.0	644.0
kB	439.5	465.5	482.0	501.0	541.0	551.0	586.0	622.5	662.5	687.5	722.5	692.0	717.0
LB	194.0	220.0	226.0	245.0	285.0	290.0	325.0	351.5	391.5	408.0	443.0	418.0	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	491.0	516.0

① ISO 4014 ② DIN 5480 ③ DIN 332-D ④ DIN 332 ⑤ Feather key/keyway DIN 6885-1 ⑦ ISO 4762 ⑧ Without locating shoulder +1 mm

⑩ For inner contour, see page 5/136

⑪ Use bores only for foot-mounted design

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

Gearbox KAD.39 in a shaft-mounted design
KAD031, KADS031, KADT031


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	395.0	421.0	427.0	446.0	486.0	491.0	526.0	552.5	592.5	609.0	644.0	619.0	644.0
kB	439.5	465.5	482.0	501.0	541.0	551.0	586.0	622.5	662.5	687.5	722.5	692.0	717.0
LB	194.0	220.0	226.0	245.0	285.0	290.0	325.0	351.5	391.5	408.0	443.0	418.0	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	491.0	516.0

① ISO 4014 ② DIN 5480 ③ DIN 332-D ④ DIN 332

⑤ Use bores only for housing flange design

⑥ Feather key/keyway DIN 6885-1 ⑦ ISO 4762

⑧ Without locating shoulder +1 mm

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

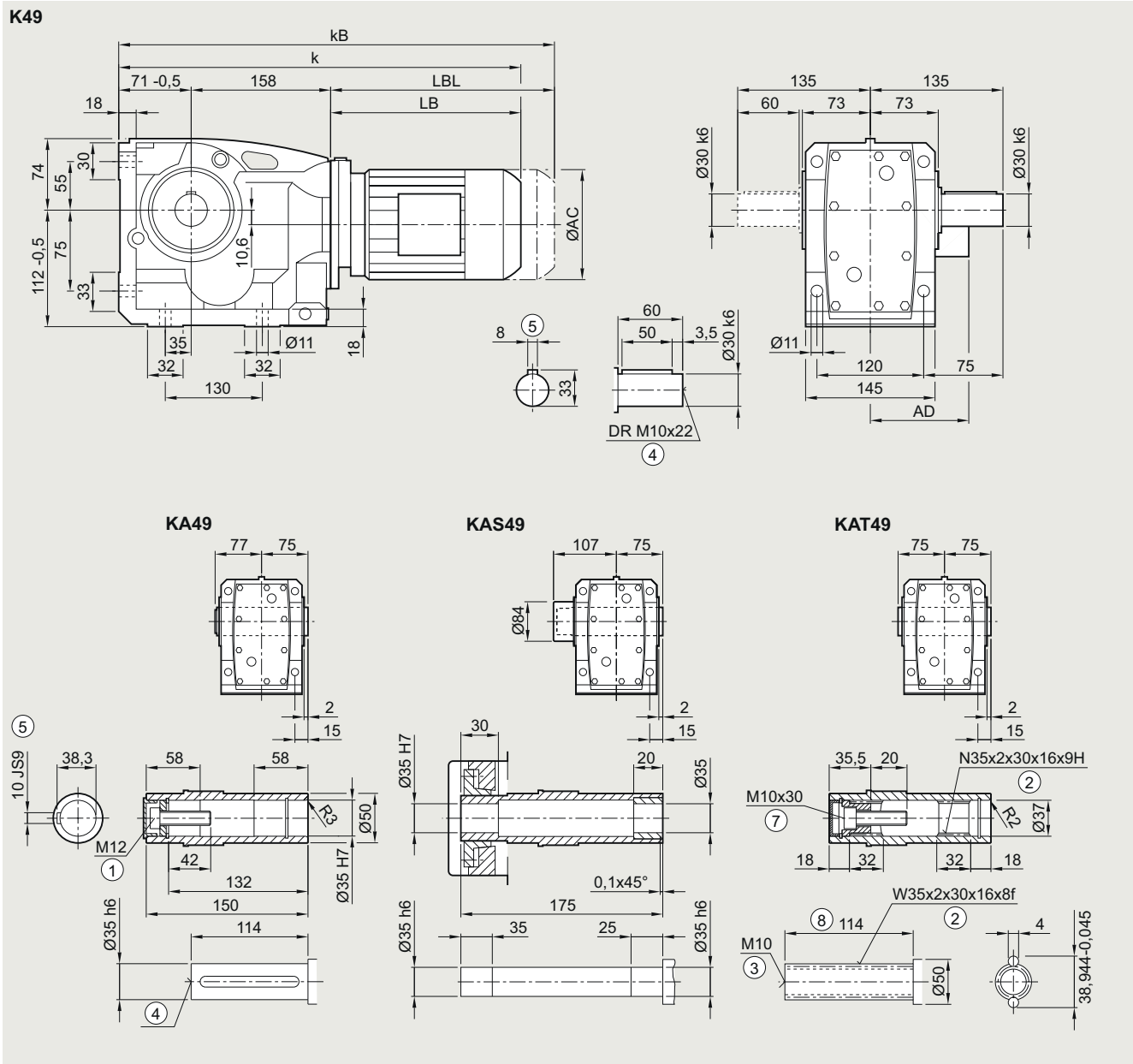
SIMOGEAR geared motors

Bevel geared motors

Dimensional drawings

Gearbox K..49 in a foot-mounted design

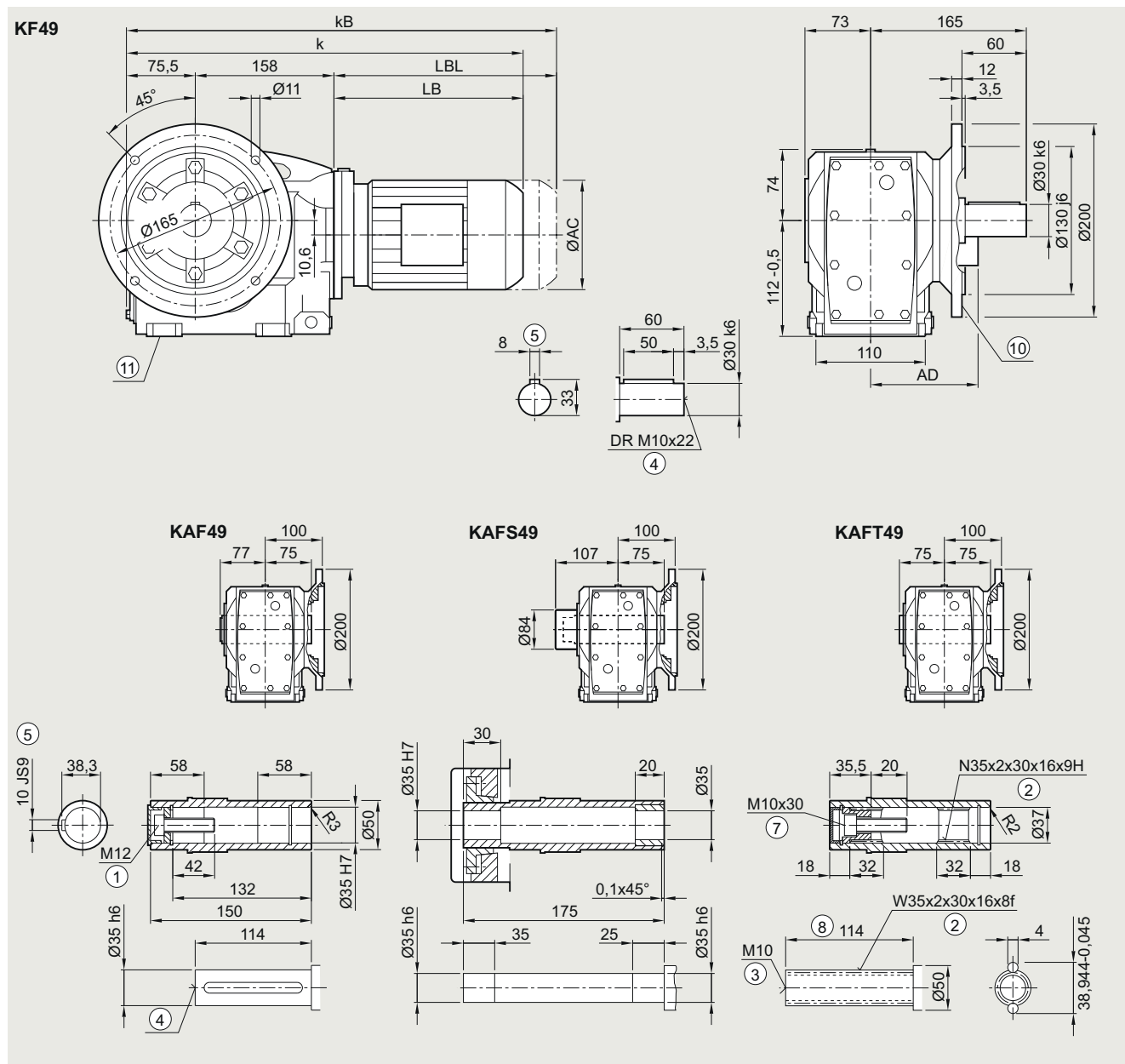
K030, KA030, KAS030, KAT030



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	413.5	439.5	445.5	464.5	504.5	509.5	544.5	571.0	611.0	627.5	662.5	637.5	672.0	690.5	740.5
kB	458.0	484.0	500.5	519.5	559.5	569.5	604.5	641.0	681.0	706.0	741.0	710.5	745.0	795.0	845.0
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 ② DIN 5480 ③ DIN 332-D ④ DIN 332 ⑤ Feather key/keyway DIN 6885-1 ⑦ ISO 4762 ⑧ Without locating shoulder +1 mm

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

Gearbox K.F.49 in a flange-mounted design
KF030, KAF030, KAFS030, KAFT030


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	418.0	444.0	450.0	469.0	509.0	514.0	549.0	575.5	615.5	632.0	667.0	642.0	676.5	695.0	745.0
kB	462.5	488.5	505.0	524.0	564.0	574.0	609.0	645.5	685.5	710.5	745.5	715.0	749.5	799.5	849.5
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 ② DIN 5480 ③ DIN 332-D ④ DIN 332 ⑤ Feather key/keyway DIN 6885-1 ⑦ ISO 4762 ⑧ Without locating shoulder +1 mm

⑩ For inner contour, see page 5/136

⑪ Use bores only for foot-mounted design

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

SIMOGEAR geared motors

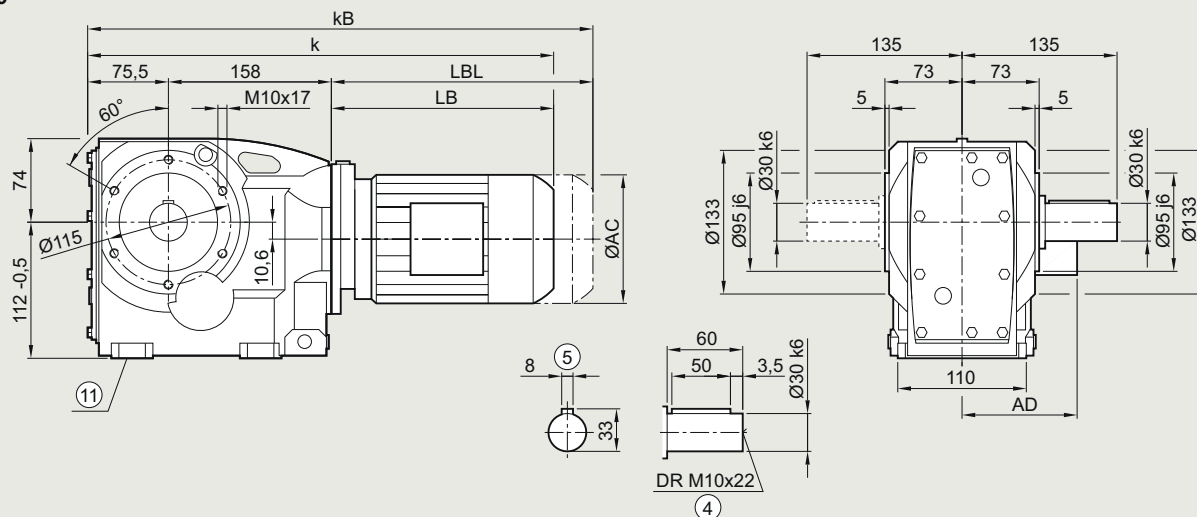
Bevel geared motors

Dimensional drawings

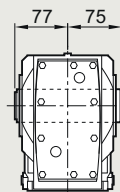
Gearbox K.Z.49 in a housing flange design

KZ030, KAZ030, KAZS030, KAZT030

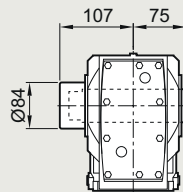
KZ49



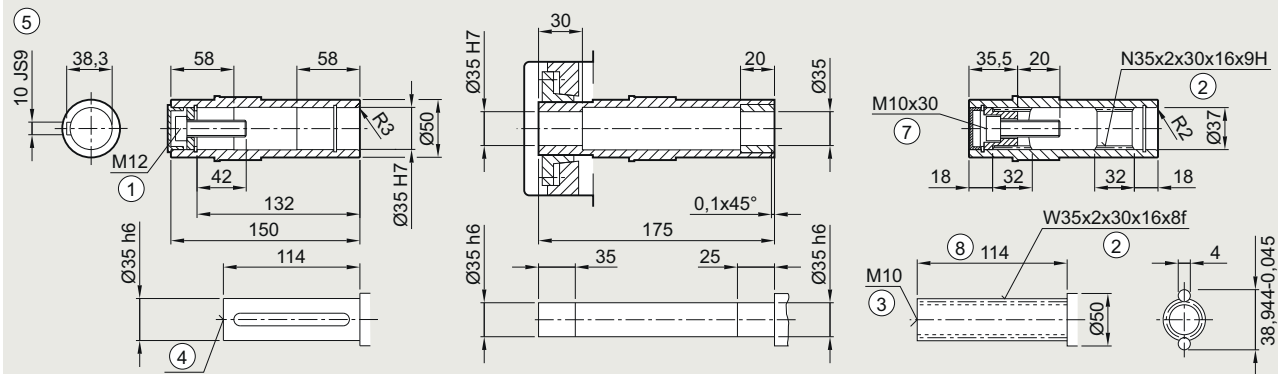
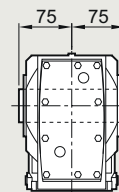
KAZ49



KAZS49

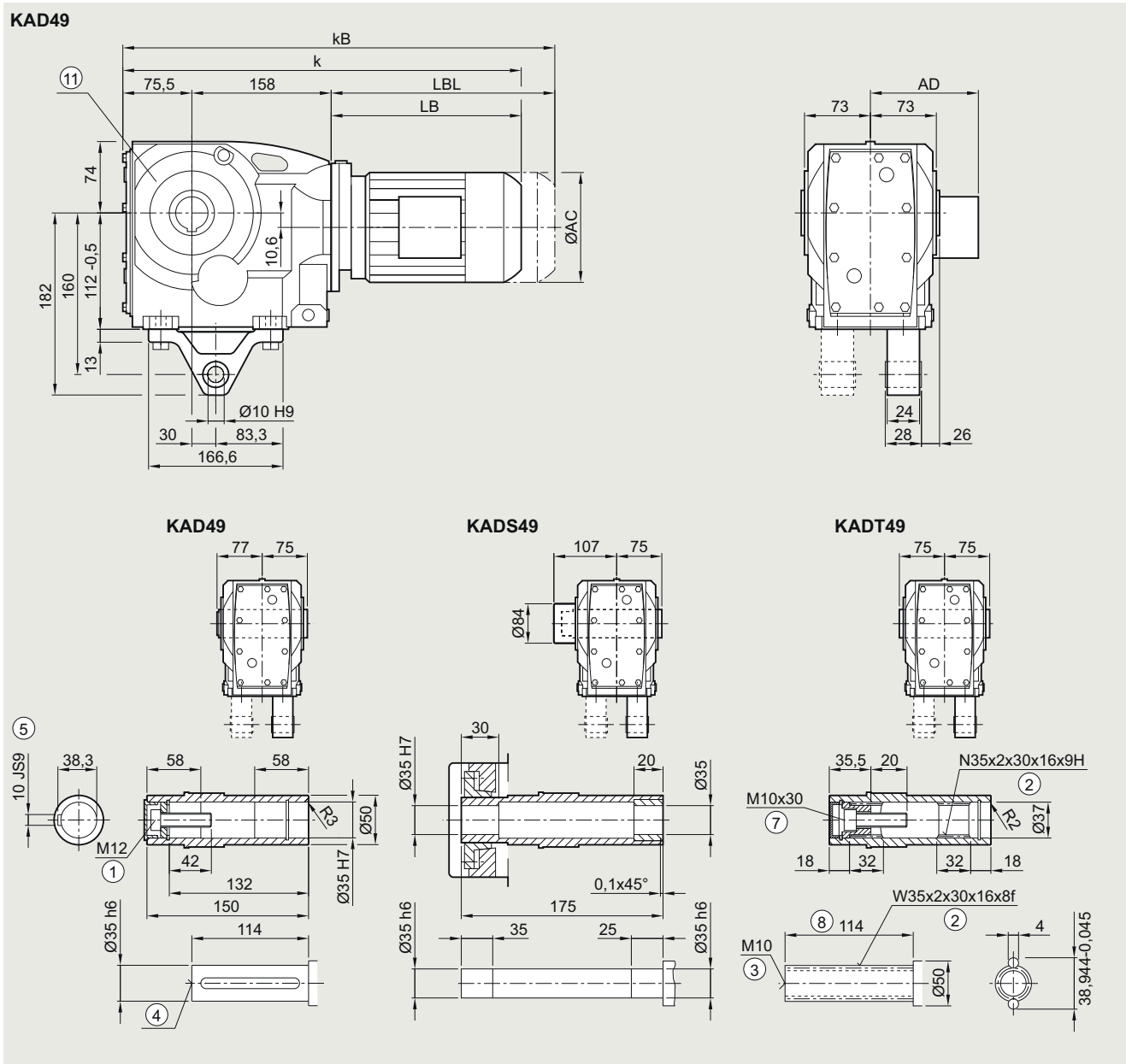


KAZT49



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		418.0	444.0	450.0	469.0	509.0	514.0	549.0	575.5	615.5	632.0	667.0	642.0	676.5	695.0	745.0
kB		462.5	488.5	505.0	524.0	564.0	574.0	609.0	645.5	685.5	710.5	745.5	715.0	749.5	799.5	849.5
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 ② DIN 5480 ③ DIN 332-D ④ DIN 332 ⑤ Feather key/keyway DIN 6885-1 ⑦ ISO 4762 ⑧ Without locating shoulder +1 mm
 ⑨ Use bores only for foot-mounted design
 1) AD depends on the motor options, for other dimensions, see page 9/46.

Gearbox KAD.49 in a shaft-mounted design
KAD031, KADS031, KADT031


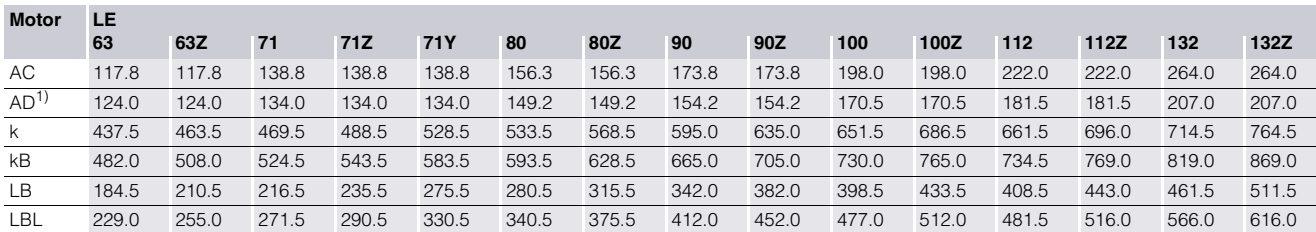
Motor	LE	63	63Z	71	71Z	71Y	80	80Z	90	90Z	100	100Z	112	112Z	132	132Z
AC		117.8	117.8	138.8	138.8	138.8	156.3	156.3	173.8	173.8	198.0	198.0	222.0	222.0	264.0	264.0
AD ¹⁾		124.0	124.0	134.0	134.0	134.0	149.2	149.2	154.2	154.2	170.5	170.5	181.5	181.5	207.0	207.0
k		418.0	444.0	450.0	469.0	509.0	514.0	549.0	575.5	615.5	632.0	667.0	642.0	676.5	695.0	745.0
kB		462.5	488.5	505.0	524.0	564.0	574.0	609.0	645.5	685.5	710.5	745.5	715.0	749.5	799.5	849.5
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 ② DIN 5480 ③ DIN 332-D ④ DIN 332 ⑤ Feather key/keyway DIN 6885-1 ⑥ ISO 4762 ⑦ Without locating shoulder +1 mm
 ⑧ Use bores only for housing flange design ⑨ AD depends on the motor options, for other dimensions, see page 9/46.

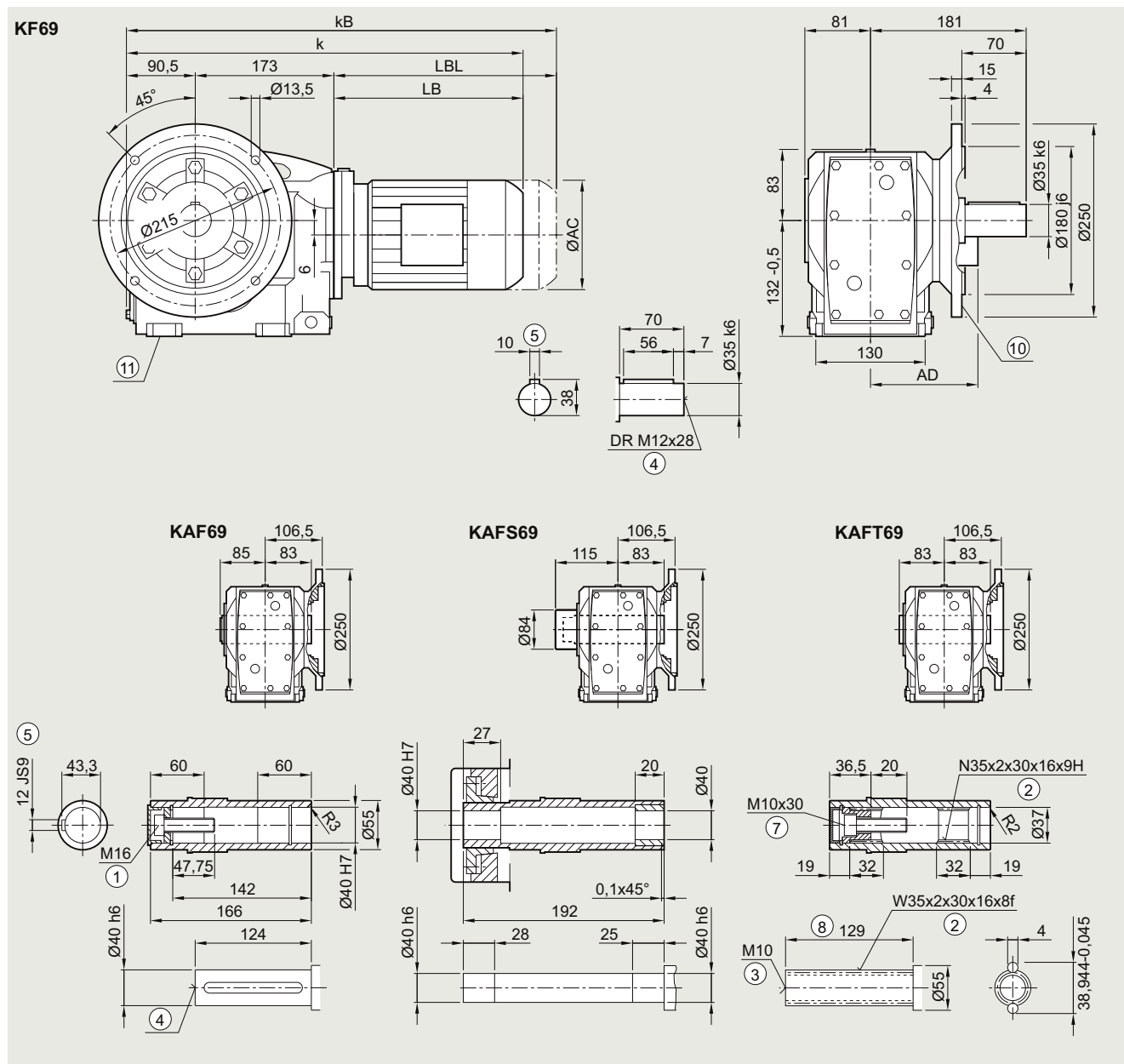
Bevel geared motors

Gearbox K..69 in a foot-mounted design

K030, KA030, KAS030, KAT030



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

Gearbox K.F.69 in a flange-mounted design
KF030, KAF030, KAFS030, KAFT030


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	448.0	474.0	480.0	499.0	539.0	544.0	579.0	605.5	645.5	662.0	697.0	672.0	706.5	725.0	775.0
kB	492.5	518.5	535.0	554.0	594.0	604.0	639.0	675.5	715.5	740.5	775.5	745.0	779.5	829.5	879.5
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 ② DIN 5480 ③ DIN 332-D ④ DIN 332 ⑤ Feather key/keyway DIN 6885-1 ⑦ ISO 4762 ⑧ Without locating shoulder +1 mm

⑩ For inner contour, see page 5/136

⑪ Use bores only for foot-mounted design

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

SIMOGEAR geared motors

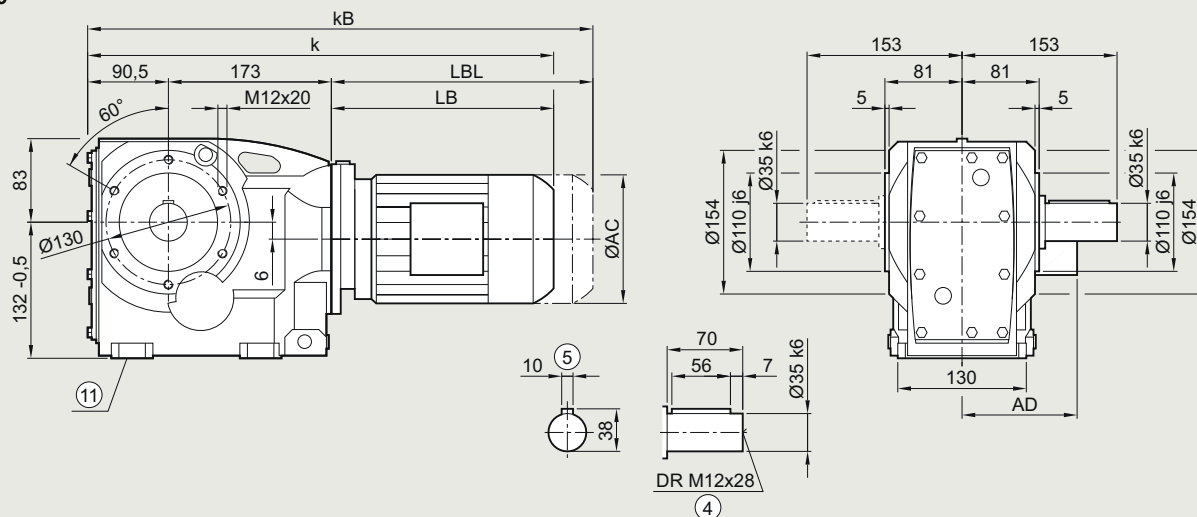
Bevel geared motors

Dimensional drawings

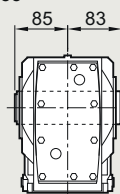
Gearbox K.Z.69 in a housing flange design

KZ030, KAZ030, KAZS030, KAZT030

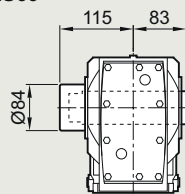
KZ69



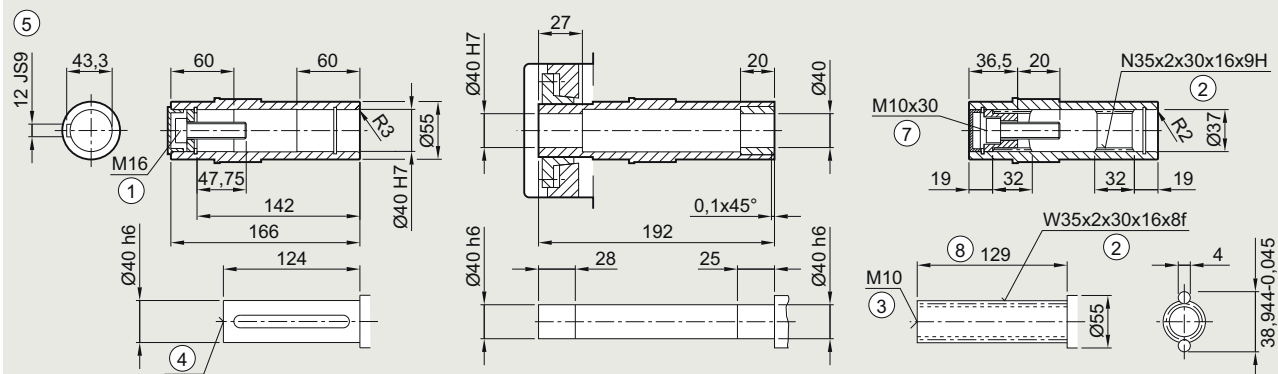
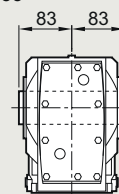
KAZ69



KAZS69



KAZT69

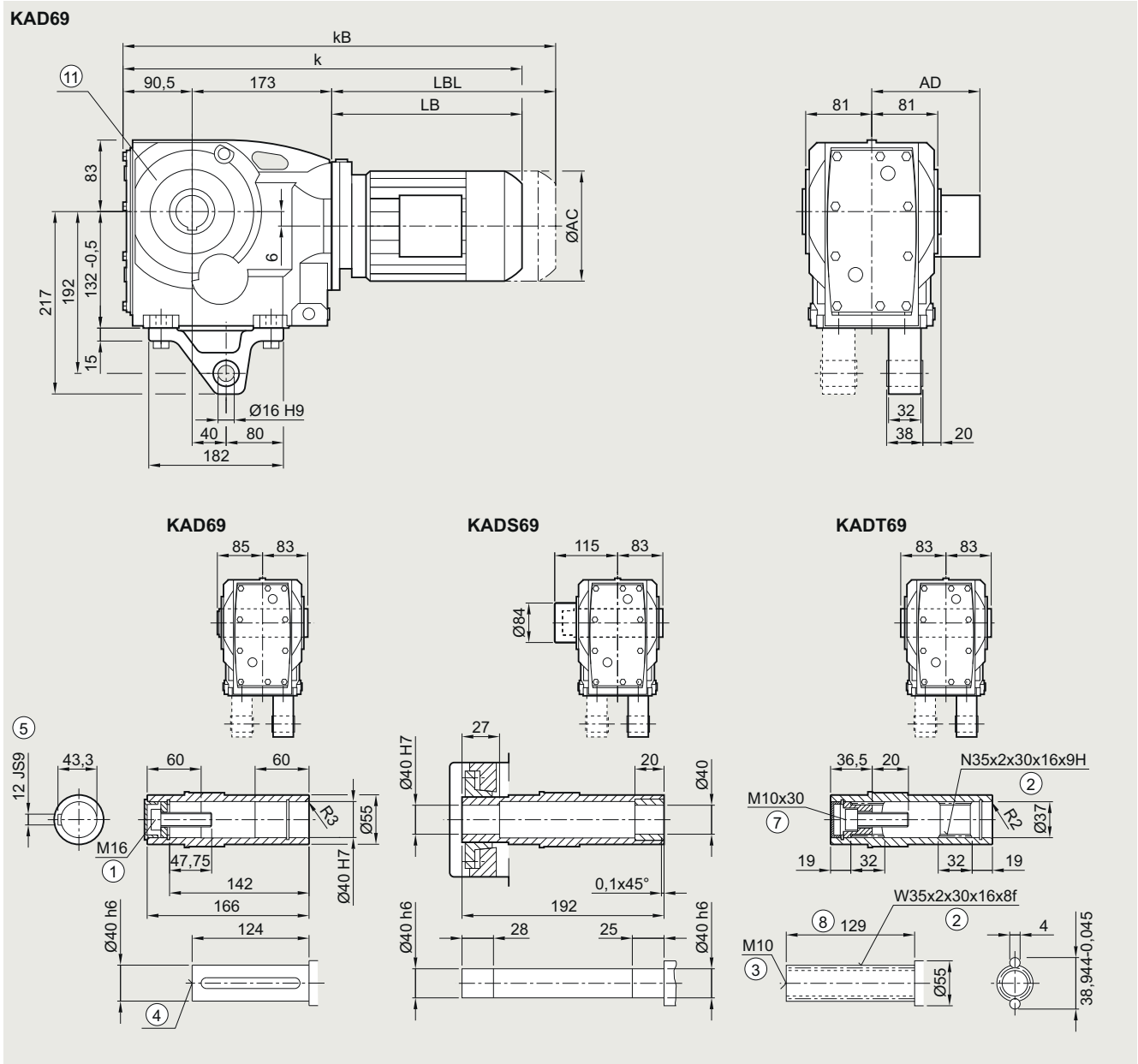


Motor	LE 63	63Z	71	71Z	71Y	80	80Z	90	90Z	100	100Z	112	112Z	132	132Z
AC	117.8	117.8	138.8	138.8	138.8	156.3	156.3	173.8	173.8	198.0	198.0	222.0	222.0	264.0	264.0
AD ¹⁾	124.0	124.0	134.0	134.0	134.0	149.2	149.2	154.2	154.2	170.5	170.5	181.5	181.5	207.0	207.0
k	448.0	474.0	480.0	499.0	539.0	544.0	579.0	605.5	645.5	662.0	697.0	672.0	706.5	725.0	775.0
kB	492.5	518.5	535.0	554.0	594.0	604.0	639.0	675.5	715.5	740.5	775.5	745.0	779.5	829.5	879.5
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 ② DIN 5480 ③ DIN 332-D ④ DIN 332 ⑤ Feather key/keyway DIN 6885-1 ⑦ ISO 4762 ⑧ Without locating shoulder +1 mm
 ⑨ Use bores only for foot-mounted design
 ①) AD depends on the motor options, for other dimensions, see page 9/46.

Gearbox KAD.69 in a shaft-mounted design

KAD030, KADS030, KADT030



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	448.0	474.0	480.0	499.0	539.0	544.0	579.0	605.5	645.5	662.0	697.0	672.0	706.5	725.0	775.0
kB	492.5	518.5	535.0	554.0	594.0	604.0	639.0	675.5	715.5	740.5	775.5	745.0	779.5	829.5	879.5
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 ② DIN 5480 ③ DIN 332-D ④ DIN 332 ⑤ Feather key/keyway DIN 6885-1 ⑦ ISO 4762 ⑧ Without locating shoulder +1 mm
⑩ Use bores only for housing flange design 1) AD depends on the motor options, for other dimensions, [see page 9/46](#).

SIMOGEAR geared motors

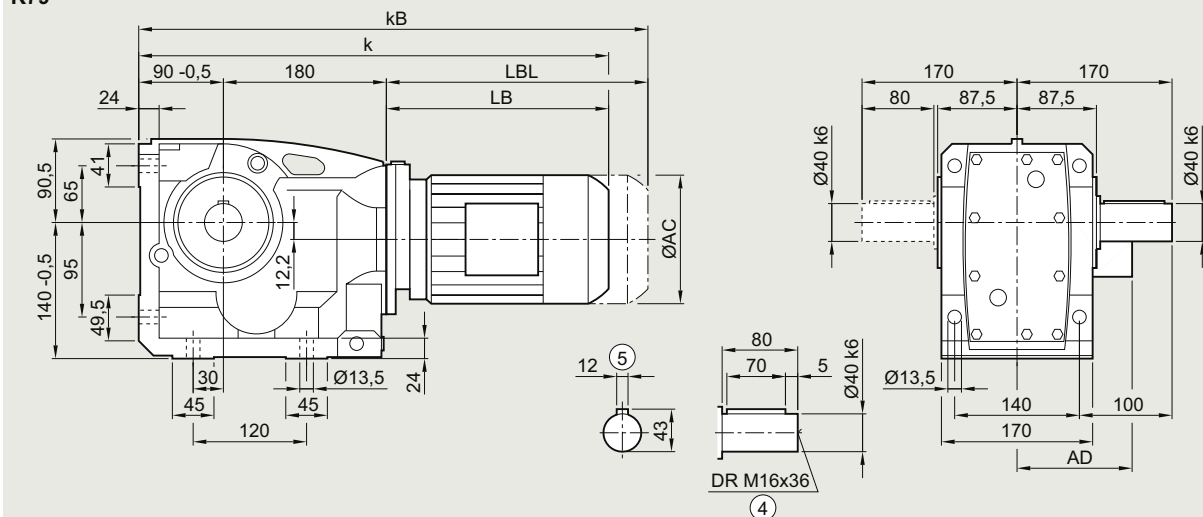
Bevel geared motors

Dimensional drawings

Gearbox K..79 in a foot-mounted design

K030, KA030, KAS030, KAT030

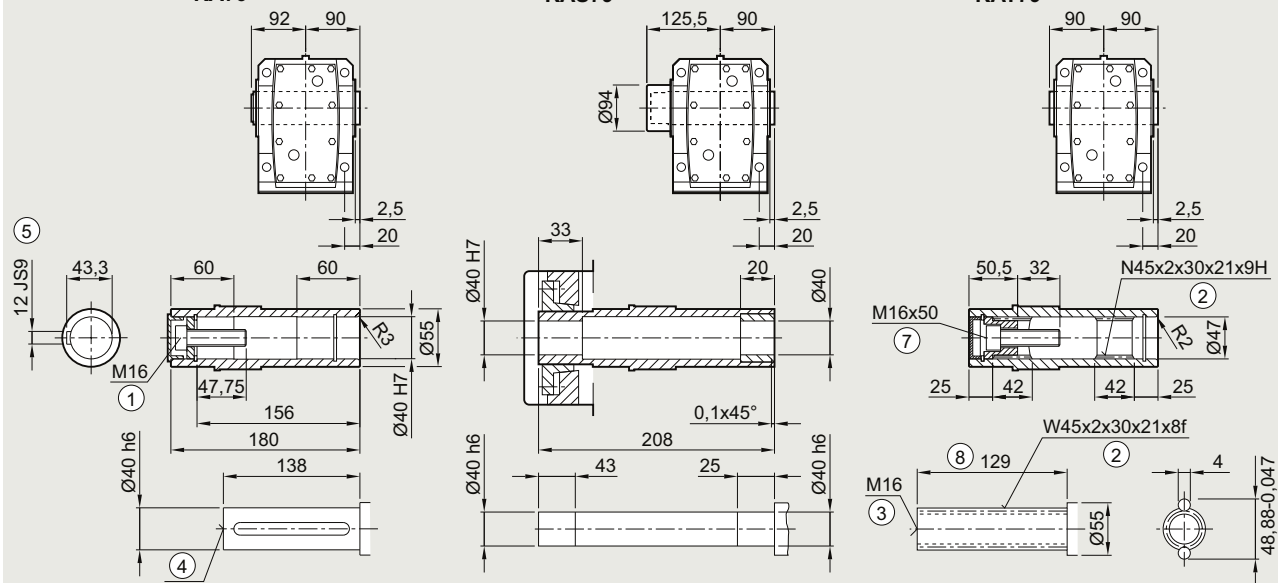
K79



KA79

KAS79

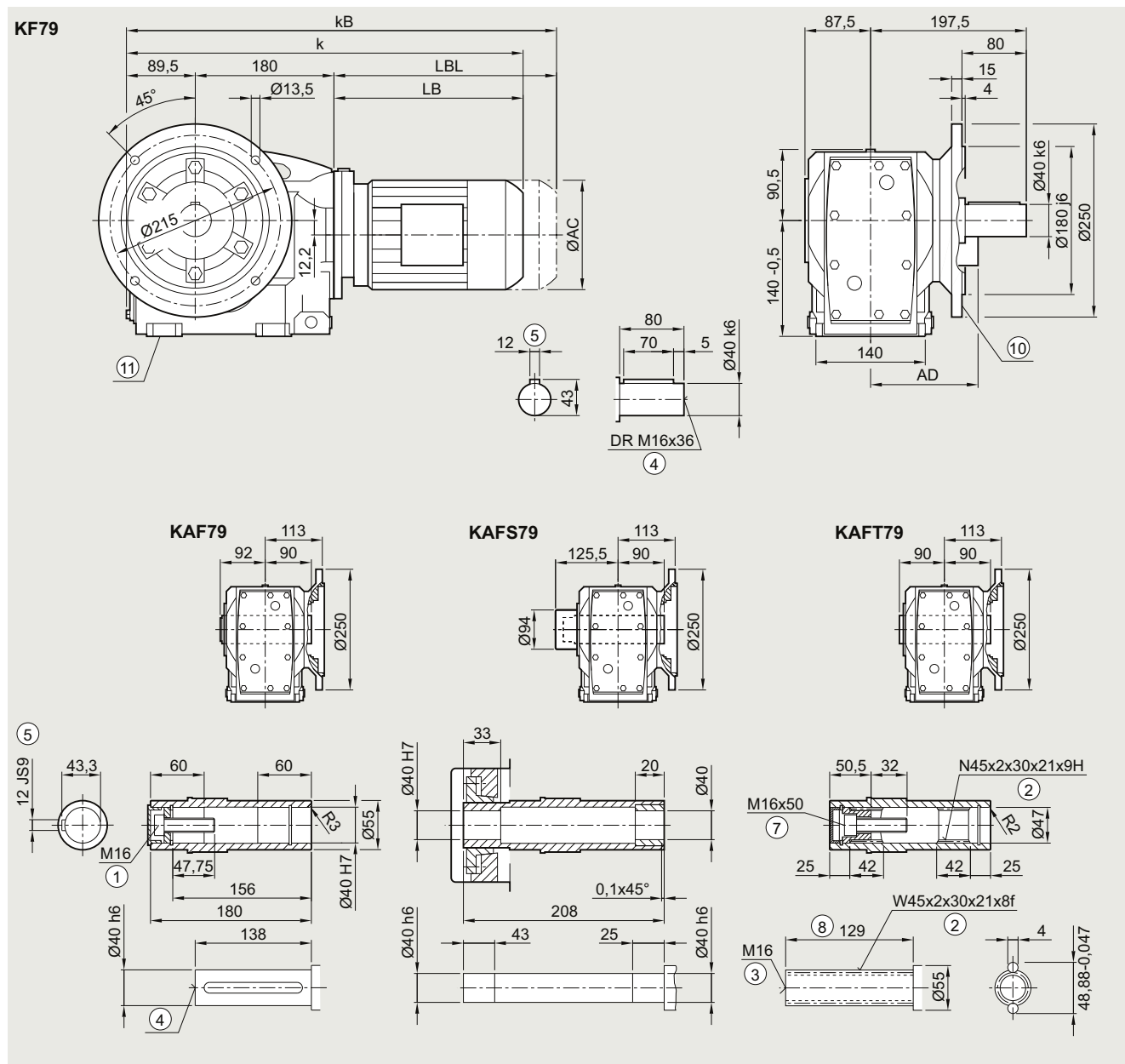
KAT79



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	454.5	480.5	486.5	505.5	545.5	550.5	585.5	612.0	652.0	668.5	703.5	678.5	713.0	731.5	781.5
kB	499.0	525.0	541.5	560.5	600.5	610.5	645.5	682.0	722.0	747.0	782.0	751.5	786.0	836.0	886.0
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 ② DIN 5480 ③ DIN 332-D ④ DIN 332 ⑤ Feather key/keyway DIN 6885-1 ⑦ ISO 4762 ⑧ Without locating shoulder +1 mm

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

Gearbox K.F.79 in a flange-mounted design
KF030, KAF030, KAFS030, KAFT030


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	454.0	480.0	486.0	505.0	545.0	550.0	585.0	611.5	651.5	668.0	703.0	678.5	712.5	731.0	781.0
kB	498.5	524.5	541.0	560.0	600.0	610.0	645.0	681.5	721.5	746.5	781.5	751.0	785.5	835.5	885.5
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 ② DIN 5480 ③ DIN 332-D ④ DIN 332 ⑤ Feather key/keyway DIN 6885-1 ⑦ ISO 4762 ⑧ Without locating shoulder +1 mm

⑩ For inner contour, see page 5/136

⑪ Use bores only for foot-mounted design

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

SIMOGEAR geared motors

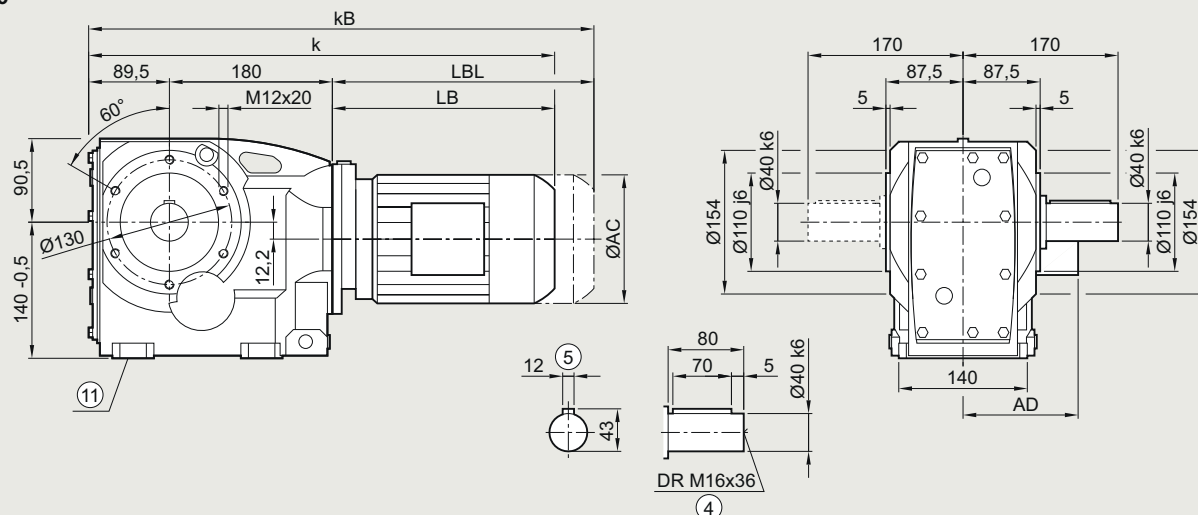
Bevel geared motors

Dimensional drawings

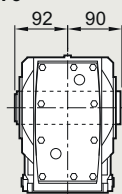
Gearbox K.Z.79 in a housing flange design

KZ030, KAZ030, KAZS030, KAZT030

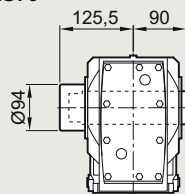
KZ79



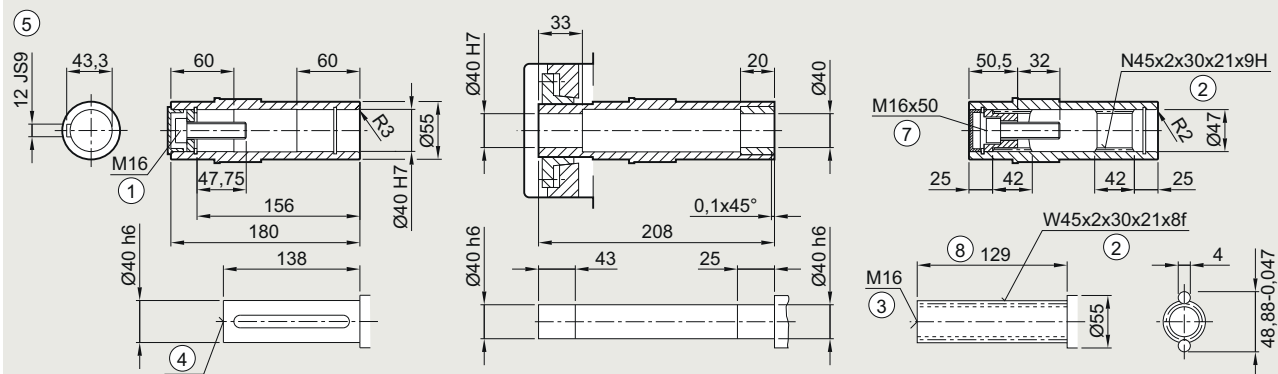
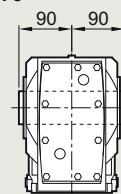
KAZ79



KAZS79

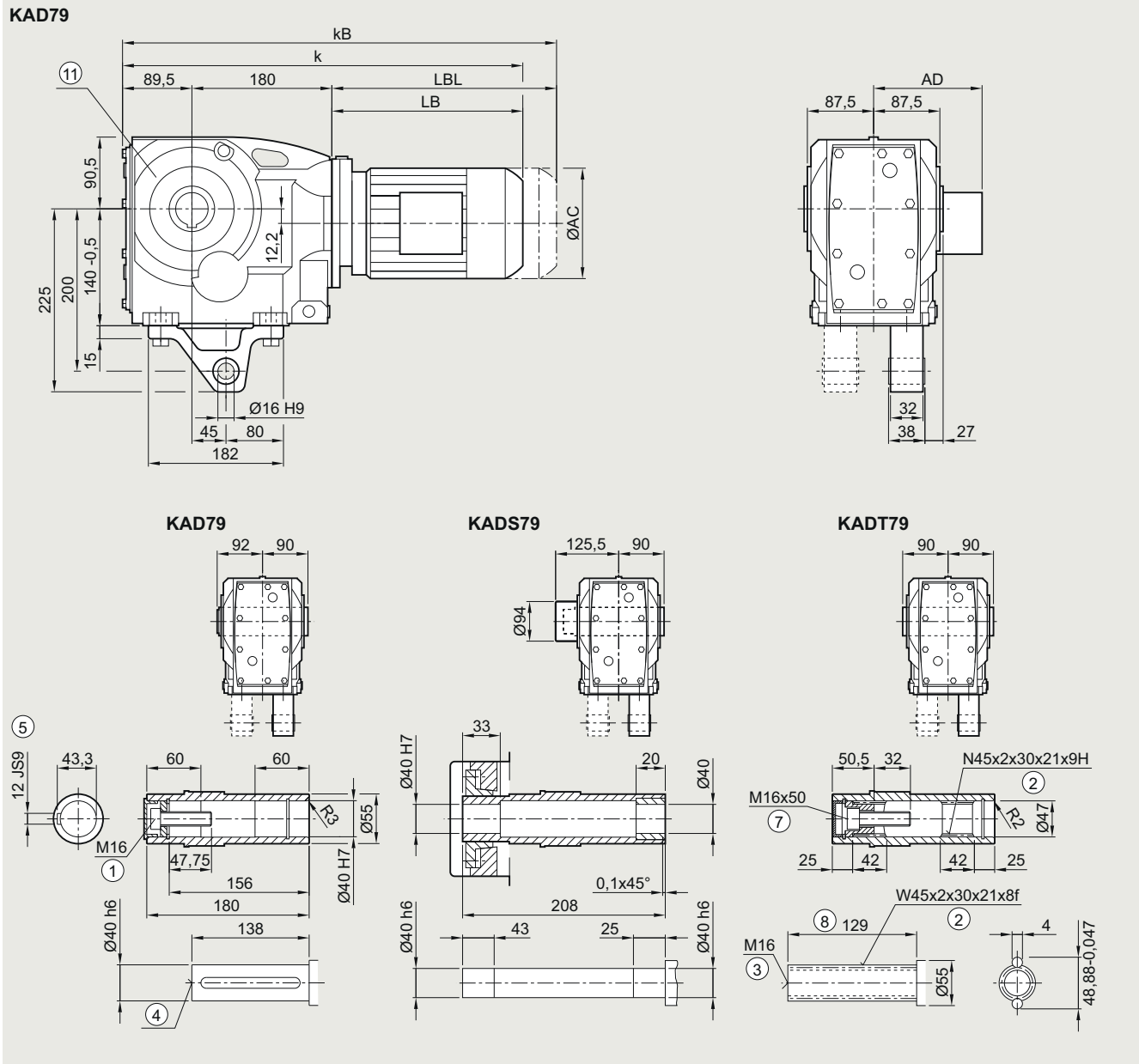


KAZT79



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	454.0	480.0	486.0	505.0	545.0	550.0	585.0	611.5	651.5	668.0	703.0	678.5	712.5	731.0	781.0
kB	498.5	524.5	541.0	560.0	600.0	610.0	645.0	681.5	721.5	746.5	781.5	751.0	785.5	835.5	885.5
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 ② DIN 5480 ③ DIN 332-D ④ DIN 332 ⑤ Feather key/keyway DIN 6885-1 ⑦ ISO 4762 ⑧ Without locating shoulder +1 mm
 ⑨ Use bores only for foot-mounted design
 1) AD depends on the motor options, for other dimensions, see page 9/46.

Gearbox KAD.79 in a shaft-mounted design
KAD030, KADS030, KADT030


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	454.0	480.0	486.0	505.0	545.0	550.0	585.0	611.5	651.5	668.0	703.0	678.5	712.5	731.0	781.0
kB	498.5	524.5	541.0	560.0	600.0	610.0	645.0	681.5	721.5	746.5	781.5	751.0	785.5	835.5	885.5
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 ② DIN 5480 ③ DIN 332-D ④ DIN 332 ⑤ Feather key/keyway DIN 6885-1 ⑦ ISO 4762 ⑧ Without locating shoulder +1 mm
 ⑨ Use bores only for housing flange design
 1) AD depends on the motor options, for other dimensions, see page 9/46.

SIMOGEAR geared motors

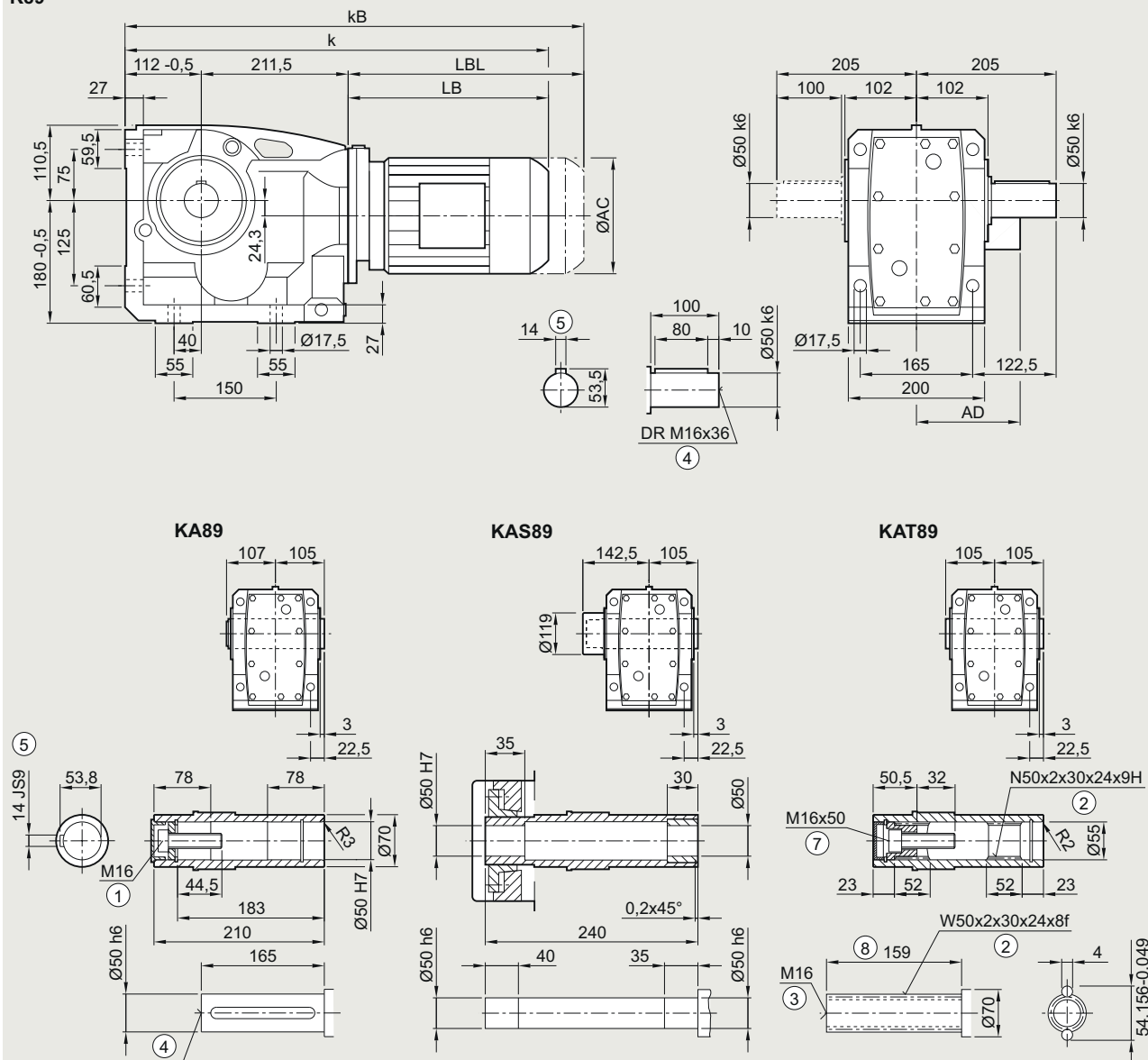
Bevel geared motors

Dimensional drawings

Gearbox K..89 in a foot-mounted design

K030, KA030, KAS030, KAT030

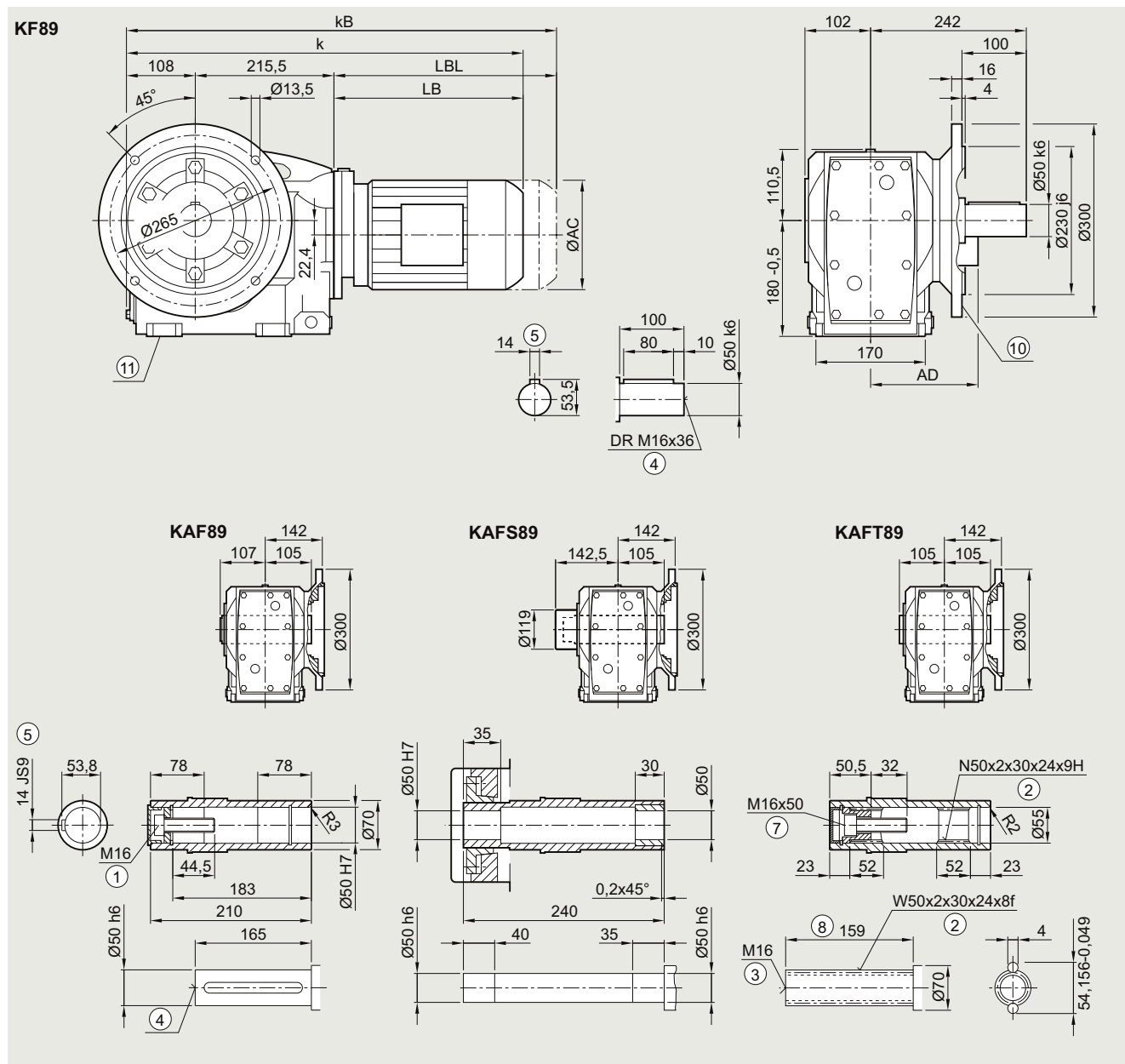
K89



Motor	LE 71	71Z	71Y	80	80Z	90	90Z	100	100Z	112	112Z	132	132Z	160	160Z
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	318.0	318.0
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	241.0	241.0
k	538.0	557.0	597.0	598.0	633.0	659.5	699.5	716.0	751.0	726.0	751.0	779.0	829.0	861.0	921.0
kB	593.0	612.0	652.0	658.0	693.0	729.5	769.5	794.5	829.5	799.0	824.0	883.5	933.5	977.0	1037.0
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	537.5	597.5
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	653.5	713.5

① ISO 4014 ② DIN 5480 ③ DIN 332-D ④ DIN 332 ⑤ Feather key/keyway DIN 6885-1 ⑦ ISO 4762 ⑧ Without locating shoulder +1 mm

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

Gearbox K.F.89 in a flange-mounted design
KF030, KAF030, KAFS030, KAFT030


Motor	LE 71	71Z	71Y	80	80Z	90	90Z	100	100Z	112	112Z	132	132Z	160	160Z
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	318.0	318.0
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	241.0	241.0
k	538.0	557.0	597.0	598.0	633.0	659.5	699.5	716.0	751.0	726.0	751.0	779.0	829.0	861.0	921.0
kB	593.0	612.0	652.0	658.0	693.0	729.5	769.5	794.5	829.5	799.0	824.0	883.5	933.5	977.0	1037.0
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	537.5	597.5
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	653.5	713.5

① ISO 4014 ② DIN 5480 ③ DIN 332-D ④ DIN 332 ⑤ Feather key/keyway DIN 6885-1 ⑦ ISO 4762 ⑧ Without locating shoulder +1 mm

⑩ For inner contour, see page 5/136

⑪ Use bores only for foot-mounted design

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

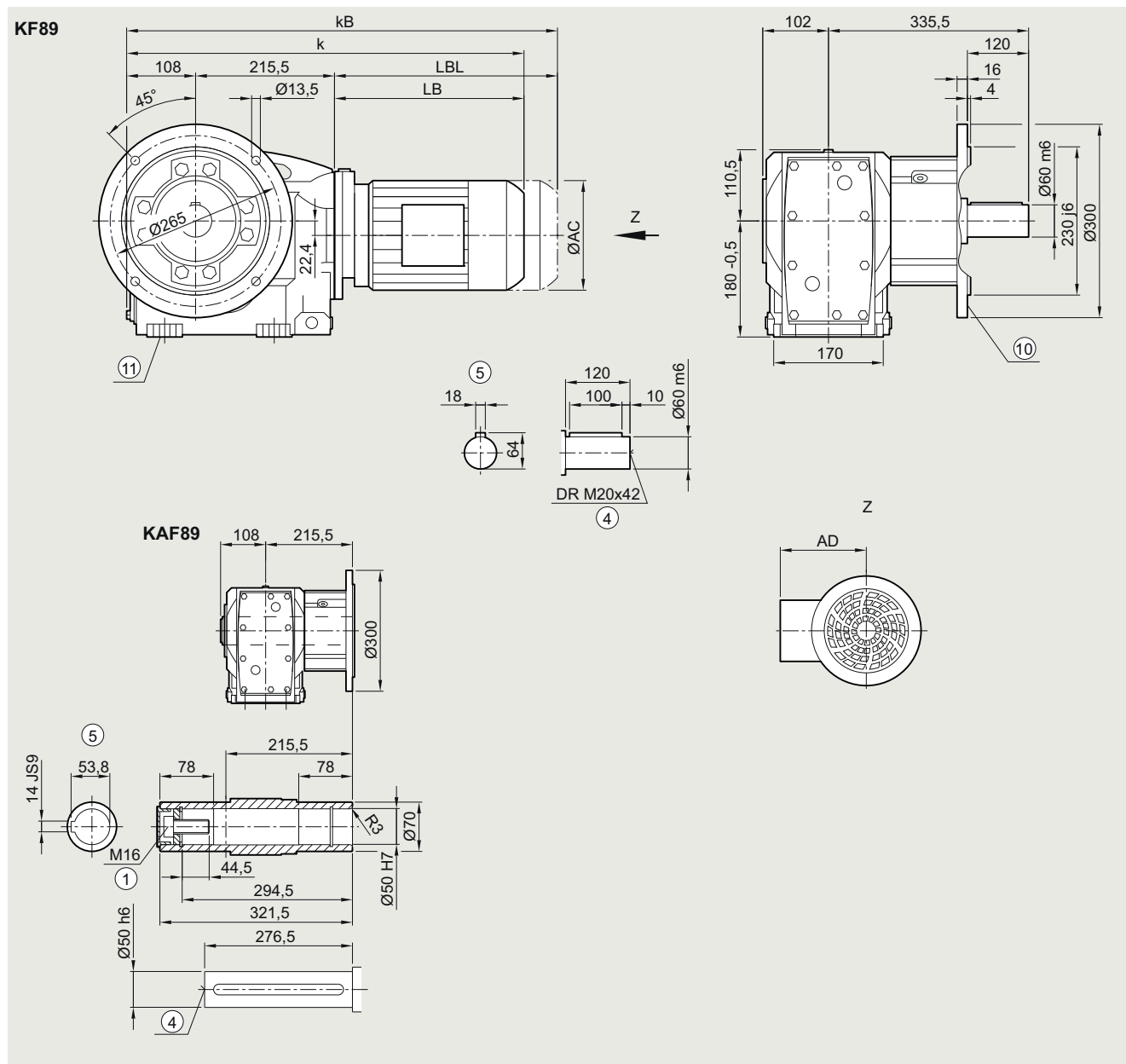
SIMOGEAR geared motors

Bevel geared motors

Dimensional drawings

Gearbox K.F.89 in a flange-mounted design with VLplus reinforced bearing system (G30)

KF040, KAF040

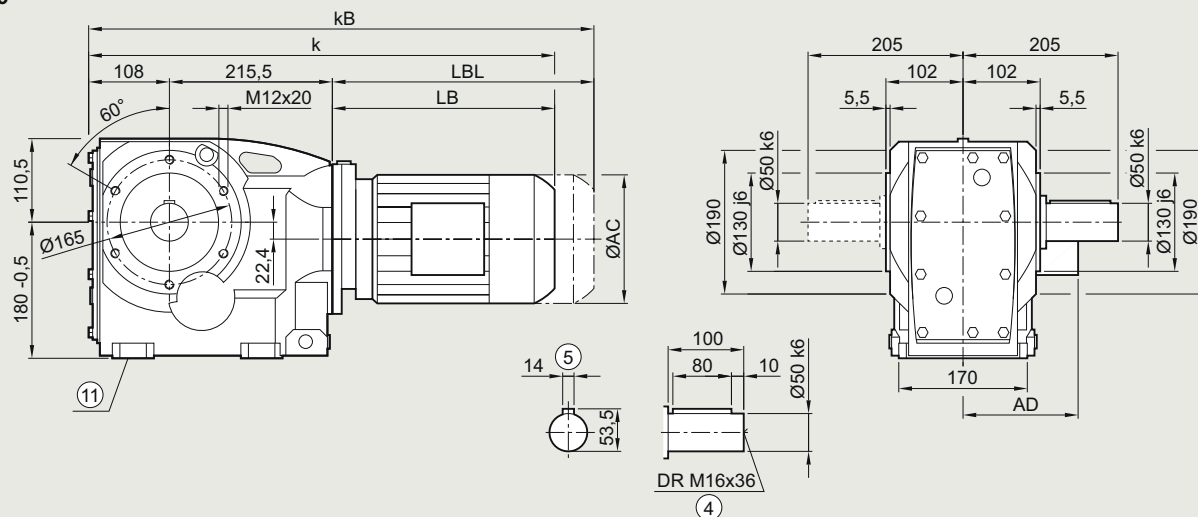
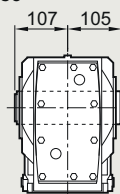
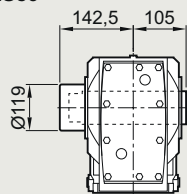
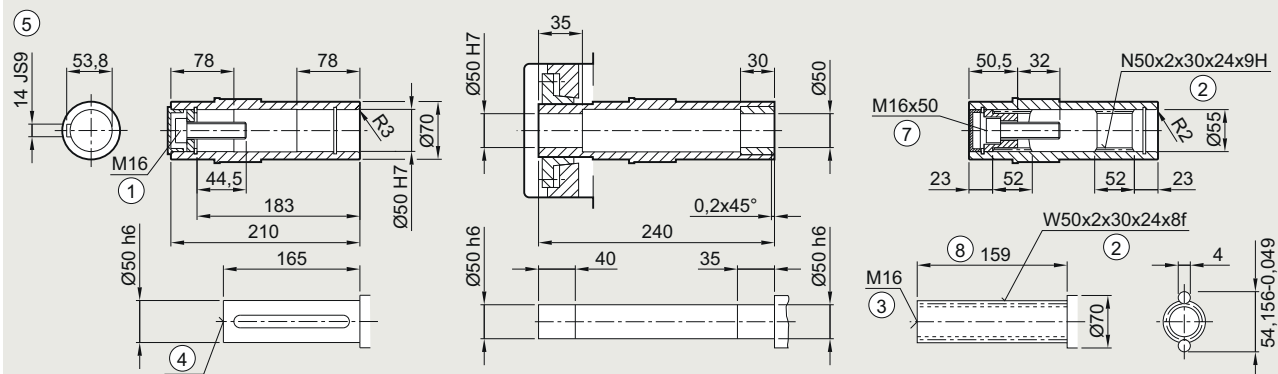
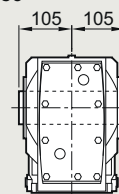


Motor	LE 71	71Z	71Y	80	80Z	90	90Z	100	100Z	112	112Z	132	132Z	160	160Z
AC	138.8	138.8	138.8	156.3	156.3	173.8	173.8	198.0	198.0	222.0	222.0	264.0	264.0	318.0	318.0
AD ¹⁾	134.0	134.0	134.0	149.2	149.2	154.2	154.2	170.5	170.5	181.5	181.5	207.0	207.0	241.0	241.0
k	538.0	557.0	597.0	598.0	633.0	659.5	699.5	716.0	751.0	726.0	751.0	779.0	829.0	861.0	921.0
kB	593.0	612.0	652.0	658.0	693.0	729.5	769.5	794.5	829.5	799.0	824.0	883.5	933.5	977.0	1037.0
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	537.5	597.5
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	653.5	713.5

① ISO 4014 ④ DIN 332 ⑤ Feather key/keyway DIN 6885-1 ⑩ Use bores only for foot-mounted design

⑩ For inner contour, see page 5/136

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

Gearbox K.Z.89 in a housing flange design
KZ030, KAZ030, KAZS030, KAZT030
KZ89

KAZ89

KAZS89

KAZT89


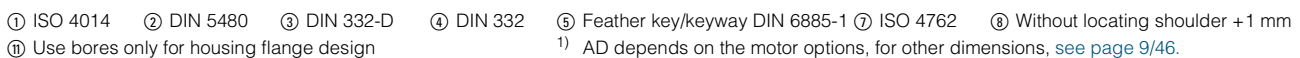
Motor	LE 71	71Z	71Y	80	80Z	90	90Z	100	100Z	112	112Z	132	132Z	160	160Z
AC	138.8	138.8	138.8	156.3	156.3	173.8	173.8	198.0	198.0	222.0	222.0	264.0	264.0	318.0	318.0
AD ¹⁾	134.0	134.0	134.0	149.2	149.2	154.2	154.2	170.5	170.5	181.5	181.5	207.0	207.0	241.0	241.0
k	538.0	557.0	597.0	598.0	633.0	659.5	699.5	716.0	751.0	726.0	751.0	779.0	829.0	861.0	921.0
kB	593.0	612.0	652.0	658.0	693.0	729.5	769.5	794.5	829.5	799.0	824.0	883.5	933.5	977.0	1037.0
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	537.5	597.5
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	653.5	713.5

① ISO 4014 ② DIN 5480 ③ DIN 332-D ④ DIN 332 ⑤ Feather key/keyway DIN 6885-1 ⑦ ISO 4762 ⑧ Without locating shoulder +1 mm
 ⑨ Use bores only for foot-mounted design ⑩ AD depends on the motor options, for other dimensions, see page 9/46.

Bevel geared motors

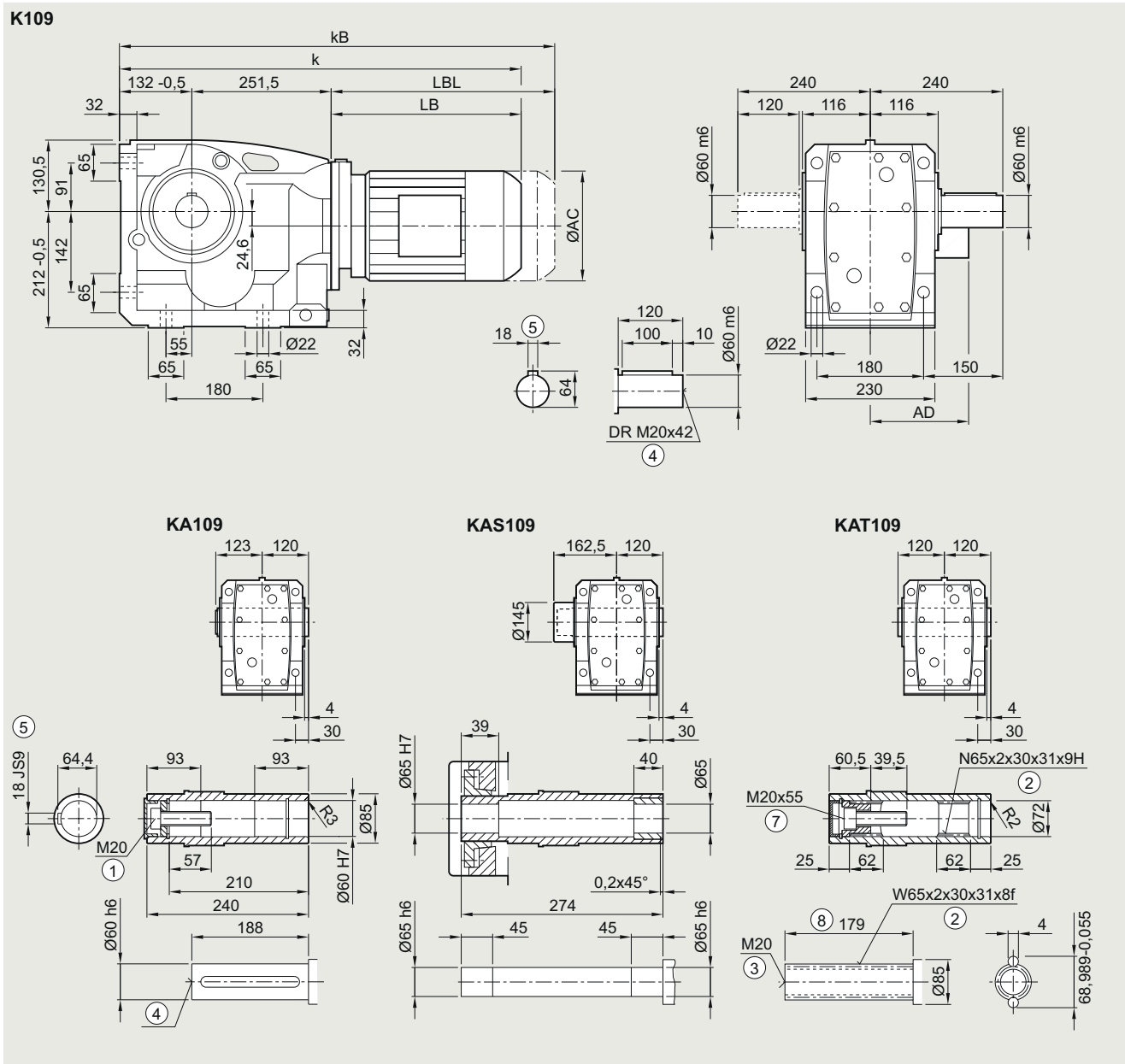
Gearbox KAD.89 in a shaft-mounted design

KAD031, KADS031, KADT031



Gearbox K..109 in a foot-mounted design

K030, KA030, KAS030, KAT030



Motor	LE 80	80Z	90	90Z	100	100Z	112	112Z	132	132Z	160	160Z	LES 180	180Z
AC	156.3	156.3	173.8	173.8	198.0	198.0	222.0	222.0	264.0	264.0	318.0	318.0	352.5	352.5
AD ¹⁾	149.2	149.2	154.2	154.2	170.5	170.5	181.5	181.5	207.0	207.0	241.0	241.0	292.0	292.0
k	645.0	680.0	706.5	746.5	759.0	794.0	769.0	794.0	822.0	872.0	904.0	964.0	977.0	1007.0
kB	705.0	740.0	776.5	816.5	837.5	872.5	842.0	867.0	926.5	976.5	1020.0	1080.0	1106.0	1136.0
LB	261.5	296.5	323.0	363.0	375.5	410.5	385.5	410.5	438.5	488.5	520.5	580.5	593.5	623.5
LBL	321.5	356.5	393.0	433.0	454.0	489.0	458.5	483.5	543.0	593.0	636.5	696.5	722.5	752.5

① ISO 4014 ② DIN 5480 ③ DIN 332-D ④ DIN 332 ⑤ Feather key/keyway DIN 6885-1 ⑦ ISO 4762 ⑧ Without locating shoulder +1 mm

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

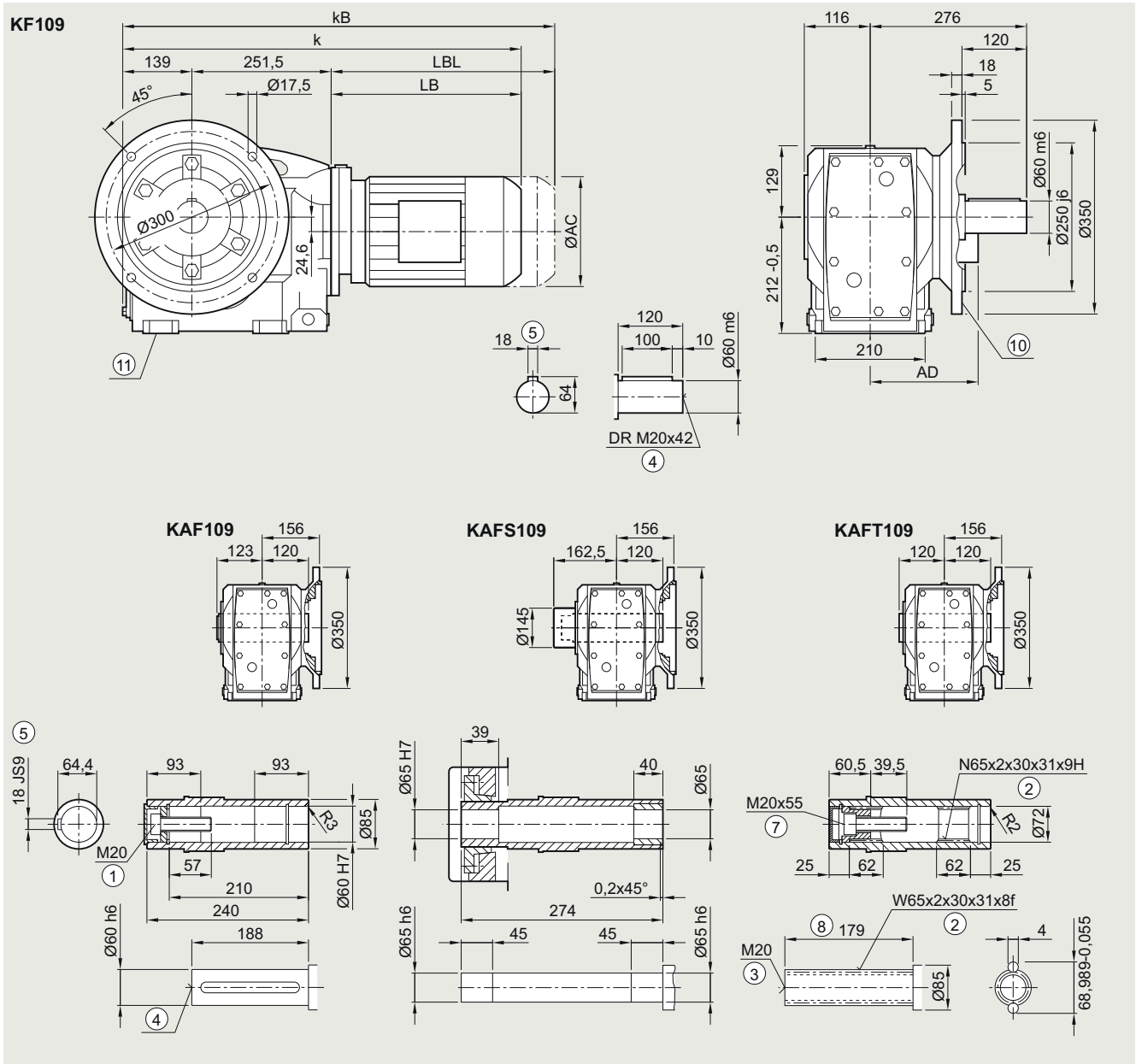
SIMOGEAR geared motors

Bevel geared motors

Dimensional drawings

Gearbox K.F.109 in a flange-mounted design

KF030, KAF030, KAFS030, KAFT030



Motor	LE 80	80Z	90	90Z	100	100Z	112	112Z	132	132Z	160	160Z	LES 180	180Z
AC	156.3	156.3	173.8	173.8	198.0	198.0	222.0	222.0	264.0	264.0	318.0	318.0	352.5	352.5
AD ¹⁾	149.2	149.2	154.2	154.2	170.5	170.5	181.5	181.5	207.0	207.0	241.0	241.0	292.0	292.0
k	652.0	687.0	713.5	753.5	766.0	801.0	776.0	801.0	829.0	879.0	911.0	971.0	984.0	1014.0
k _B	712.0	747.0	783.5	823.5	844.5	879.5	849.0	874.0	933.5	983.5	1027.0	1087.0	1113.0	1143.0
LB	261.5	296.5	323.0	363.0	375.5	410.5	385.5	410.5	438.5	488.5	520.5	580.5	593.5	623.5
LBL	321.5	356.5	393.0	433.0	454.0	489.0	458.5	483.5	543.0	593.0	636.5	696.5	722.5	752.5

① ISO 4014 ② DIN 5480 ③ DIN 332-D ④ DIN 332 ⑤ Feather key/keyway DIN 6885-1 ⑦ ISO 4762 ⑧ Without locating shoulder +1 mm

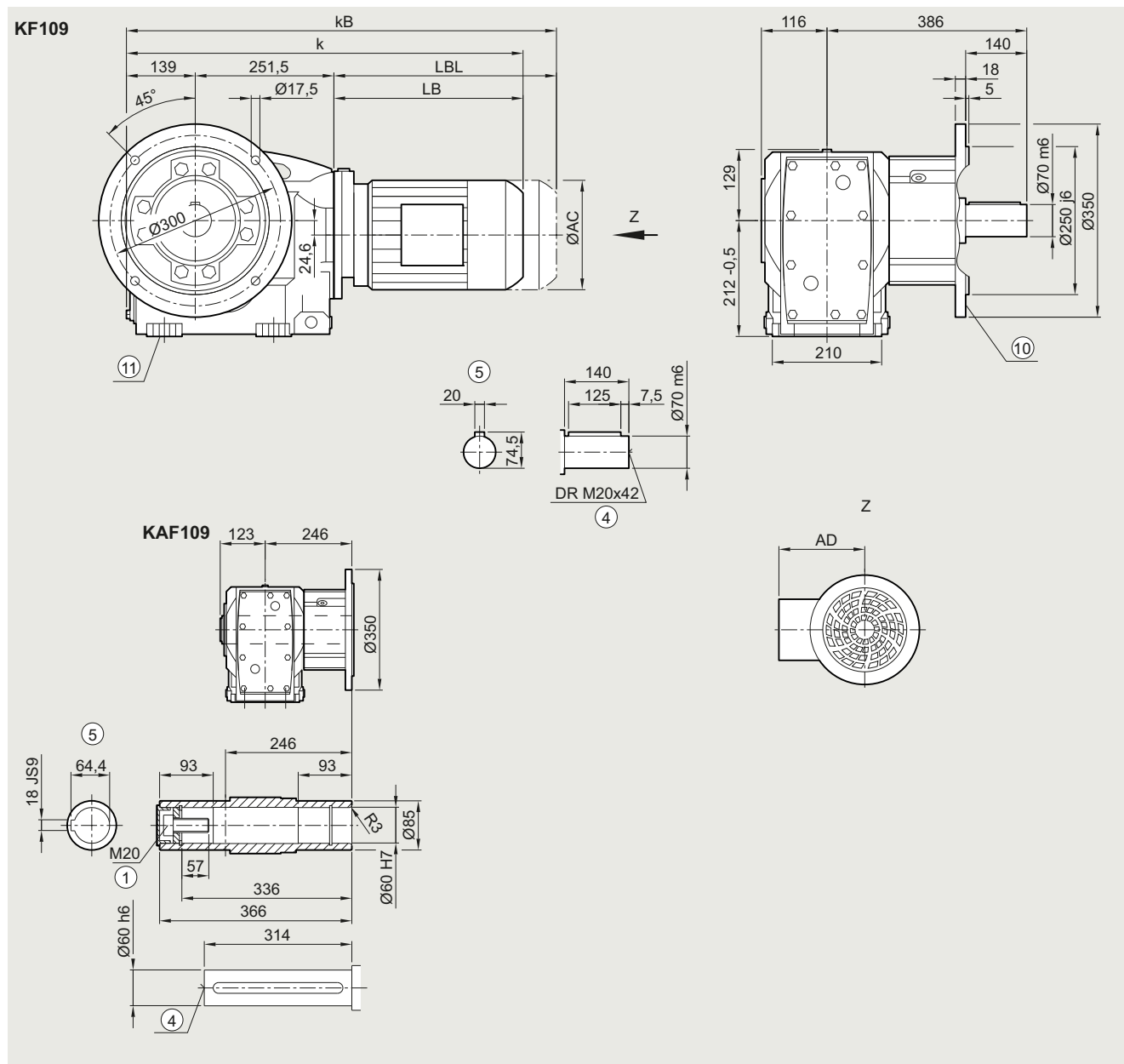
⑩ For inner contour, see page 5/136

⑪ Use bores only for foot-mounted design

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

Gearbox K.F.109 in a flange-mounted design with VLplus reinforced bearing system (G30)

KF040, KAF040



Motor	LE												LES	
	80	80Z	90	90Z	100	100Z	112	112Z	132	132Z	160	160Z	180	180Z
AC	156.3	156.3	173.8	173.8	198.0	198.0	222.0	222.0	264.0	264.0	318.0	318.0	352.5	352.5
AD ¹⁾	149.2	149.2	154.2	154.2	170.5	170.5	181.5	181.5	207.0	207.0	241.0	241.0	292.0	292.0
k	652.0	687.0	713.5	753.5	766.0	801.0	776.0	801.0	829.0	879.0	911.0	971.0	984.0	1014.0
kB	712.0	747.0	783.5	823.5	844.5	879.5	849.0	874.0	933.5	983.5	1027.0	1087.0	1113.0	1143.0
LB	261.5	296.5	323.0	363.0	375.5	410.5	385.5	410.5	438.5	488.5	520.5	580.5	593.5	623.5
LBL	321.5	356.5	393.0	433.0	454.0	489.0	458.5	483.5	543.0	593.0	636.5	696.5	722.5	752.5

① ISO 4014 ④ DIN 332 ⑤ Feather key/keyway DIN 6885-1 ⑪ Use bores only for foot-mounted design

⑩ For inner contour, see page 5/136

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

SIMOGEAR geared motors

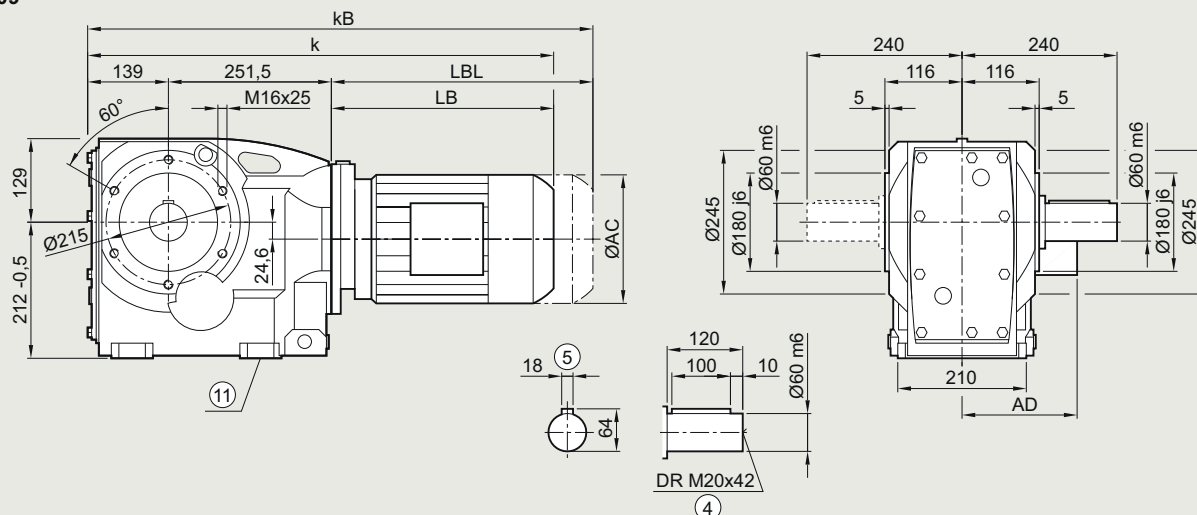
Bevel geared motors

Dimensional drawings

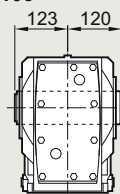
Gearbox K.Z.109 in a housing flange design

KZ030, KAZ030, KAZS030, KAZT030

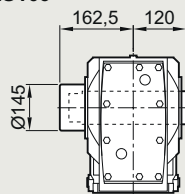
KZ109



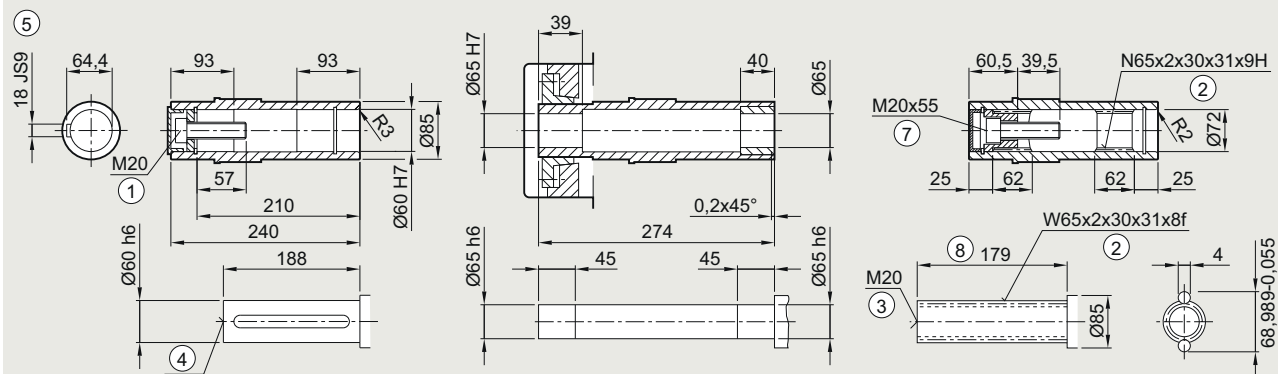
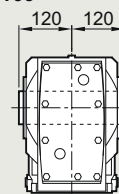
KAZ109



KAZS109

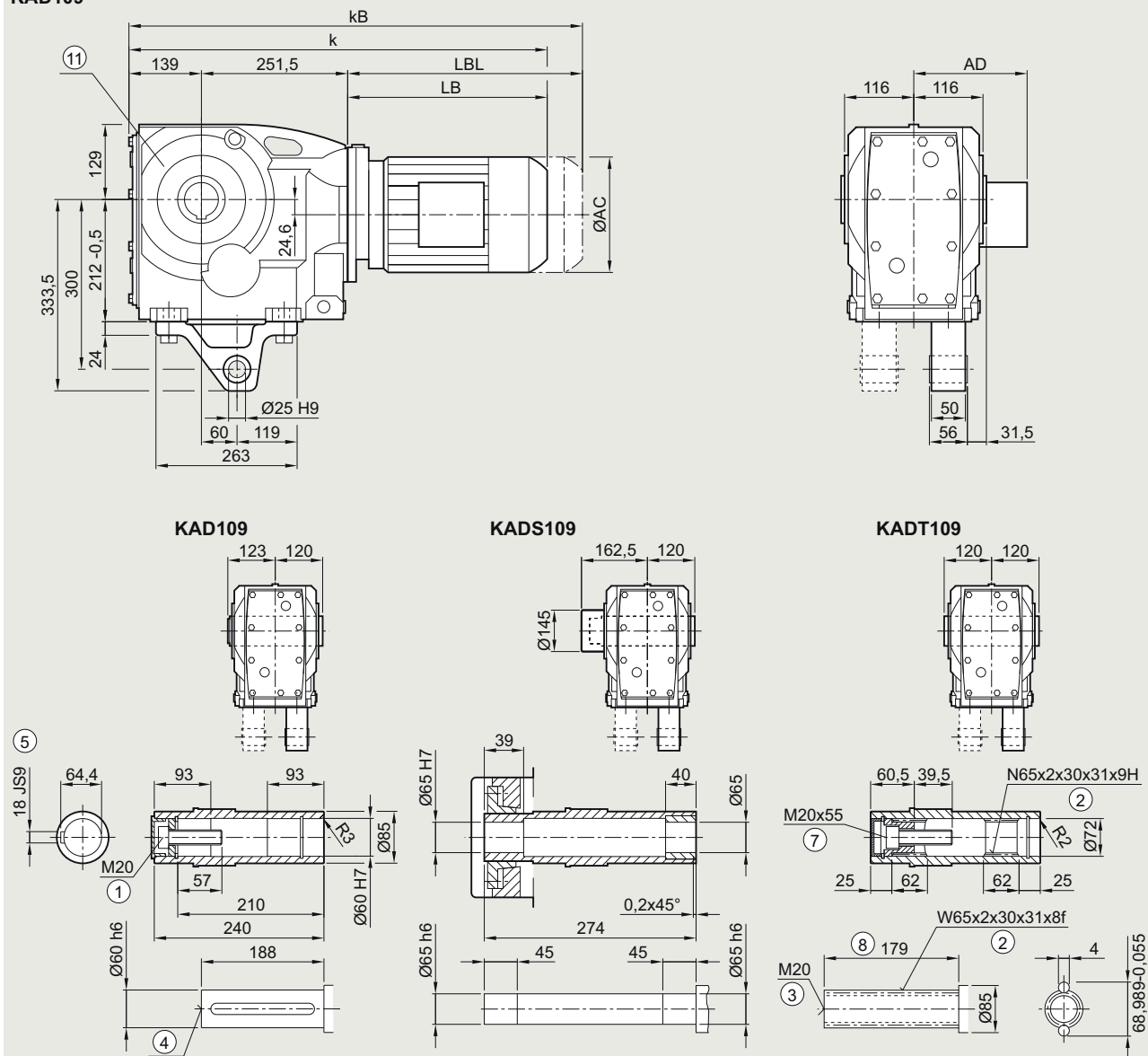


KAZT109



Motor	LE 80	80Z	90	90Z	100	100Z	112	112Z	132	132Z	160	160Z	LES 180	180Z
AC	156.3	156.3	173.8	173.8	198.0	198.0	222.0	222.0	264.0	264.0	318.0	318.0	352.5	352.5
AD ¹⁾	149.2	149.2	154.2	154.2	170.5	170.5	181.5	181.5	207.0	207.0	241.0	241.0	292.0	292.0
k	652.0	687.0	713.5	753.5	766.0	801.0	776.0	801.0	829.0	879.0	911.0	971.0	984.0	1014.0
kB	712.0	747.0	783.5	823.5	844.5	879.5	849.0	874.0	933.5	983.5	1027.0	1087.0	1113.0	1143.0
LB	261.5	296.5	323.0	363.0	375.5	410.5	385.5	410.5	438.5	488.5	520.5	580.5	593.5	623.5
LBL	321.5	356.5	393.0	433.0	454.0	489.0	458.5	483.5	543.0	593.0	636.5	696.5	722.5	752.5

① ISO 4014 ② DIN 5480 ③ DIN 332-D ④ DIN 332 ⑤ Feather key/keyway DIN 6885-1 ⑦ ISO 4762 ⑧ Without locating shoulder +1 mm
 ⑨ Use bores only for foot-mounted design
 1) AD depends on the motor options, for other dimensions, see page 9/46.

Gearbox KAD.109 in a shaft-mounted design
KAD030, KADS030, KADT030
KAD109


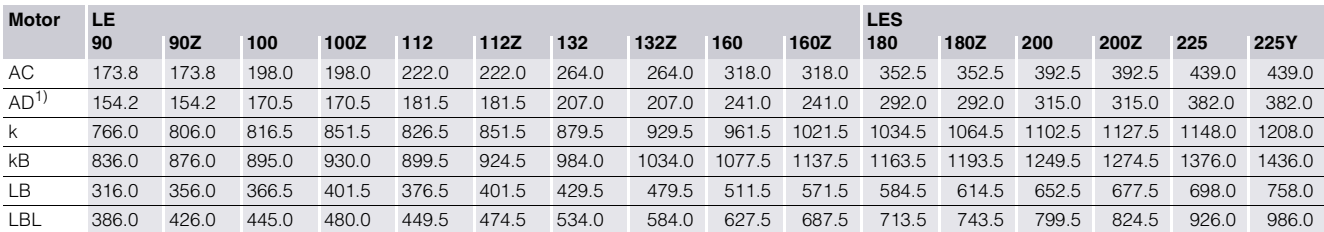
Motor	LE 80	80Z	90	90Z	100	100Z	112	112Z	132	132Z	160	160Z	LES 180	180Z
AC	156.3	156.3	173.8	173.8	198.0	198.0	222.0	222.0	264.0	264.0	318.0	318.0	352.5	352.5
AD ¹⁾	149.2	149.2	154.2	154.2	170.5	170.5	181.5	181.5	207.0	207.0	241.0	241.0	292.0	292.0
k	652.0	687.0	713.5	753.5	766.0	801.0	776.0	801.0	829.0	879.0	911.0	971.0	984.0	1014.0
kB	712.0	747.0	783.5	823.5	844.5	879.5	849.0	874.0	933.5	983.5	1027.0	1087.0	1113.0	1143.0
LB	261.5	296.5	323.0	363.0	375.5	410.5	385.5	410.5	438.5	488.5	520.5	580.5	593.5	623.5
LBL	321.5	356.5	393.0	433.0	454.0	489.0	458.5	483.5	543.0	593.0	636.5	696.5	722.5	752.5

① ISO 4014 ② DIN 5480 ③ DIN 332-D ④ DIN 332 ⑤ Feather key/keyway DIN 6885-1 ⑦ ISO 4762 ⑧ Without locating shoulder +1 mm
 ⑨ Use bores only for housing flange design ①) AD depends on the motor options, for other dimensions, see page 9/46.

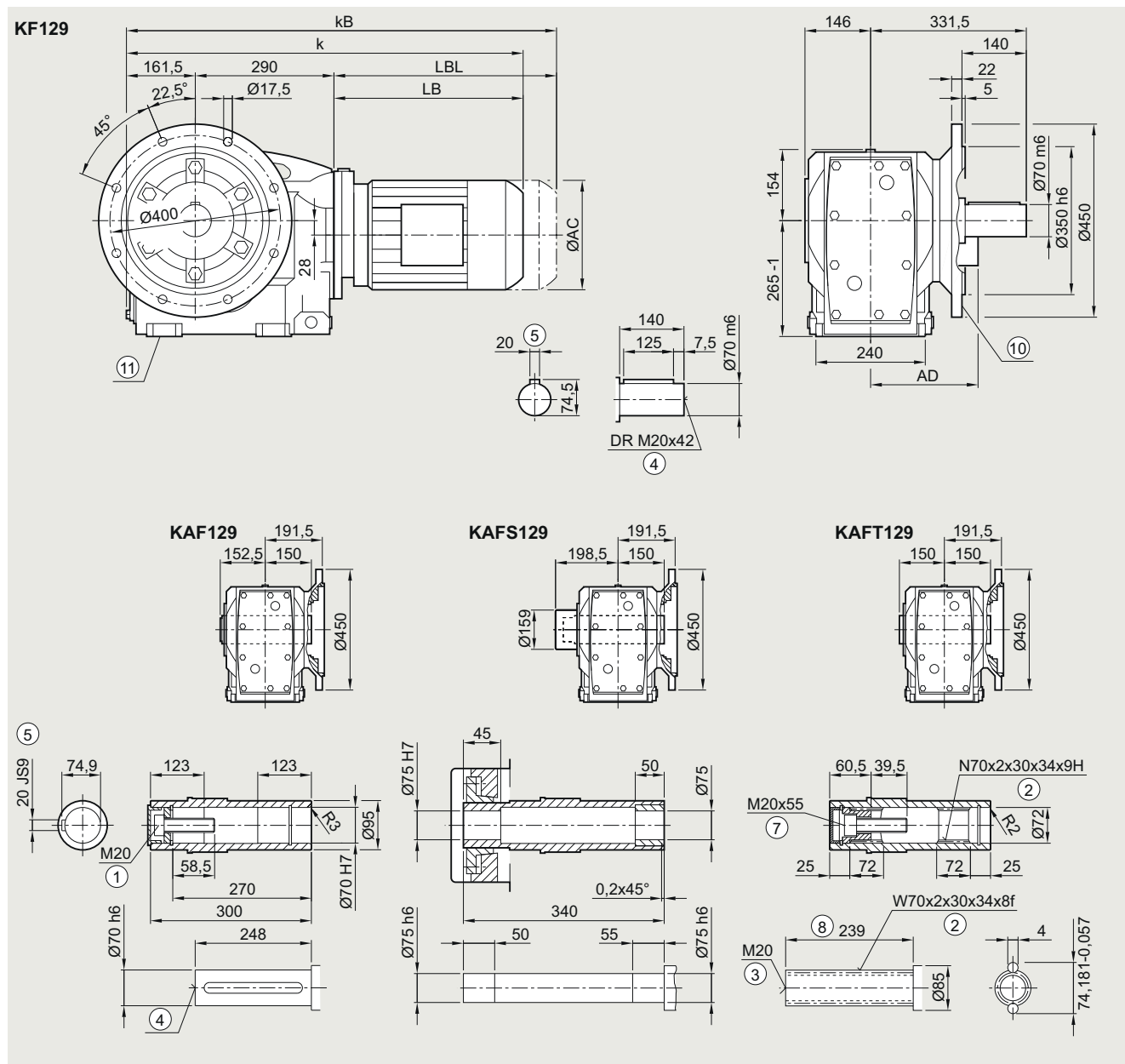
Bevel geared motors

Gearbox K..129 in a foot-mounted design

K030, KA030, KAS030, KAT030



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

Gearbox K.F.129 in a flange-mounted design
KF030, KAF030, KAFS030, KAFT030


Motor	LE 90	90Z	100	100Z	112	112Z	132	132Z	160	160Z	LES 180	180Z	200	200Z	225	225Y
AC	173.8	173.8	198.0	198.0	222.0	222.0	264.0	264.0	318.0	318.0	352.5	352.5	392.5	392.5	439.0	439.0
AD ¹⁾	154.2	154.2	170.5	170.5	181.5	181.5	207.0	207.0	241.0	241.0	292.0	292.0	315.0	315.0	382.0	382.0
k	767.5	807.5	818.0	853.0	828.0	853.0	881.0	931.0	963.0	1023.0	1036.0	1066.0	1104.0	1129.0	1149.5	1209.5
kB	837.5	877.5	896.5	931.5	901.0	926.0	985.5	1035.5	1079.0	1139.0	1165.0	1195.0	1251.0	1276.0	1377.5	1437.5
LB	316.0	356.0	366.5	401.5	376.5	401.5	429.5	479.5	511.5	571.5	584.5	614.5	652.5	677.5	698.0	758.0
LBL	386.0	426.0	445.0	480.0	449.5	474.5	534.0	584.0	627.5	687.5	713.5	743.5	799.5	824.5	926.0	986.0

① ISO 4014 ② DIN 5480 ③ DIN 332-D ④ DIN 332 ⑤ Feather key/keyway DIN 6885-1 ⑦ ISO 4762 ⑧ Without locating shoulder +1 mm

⑩ For inner contour, see page 5/136

⑪ Use bores only for foot-mounted design

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

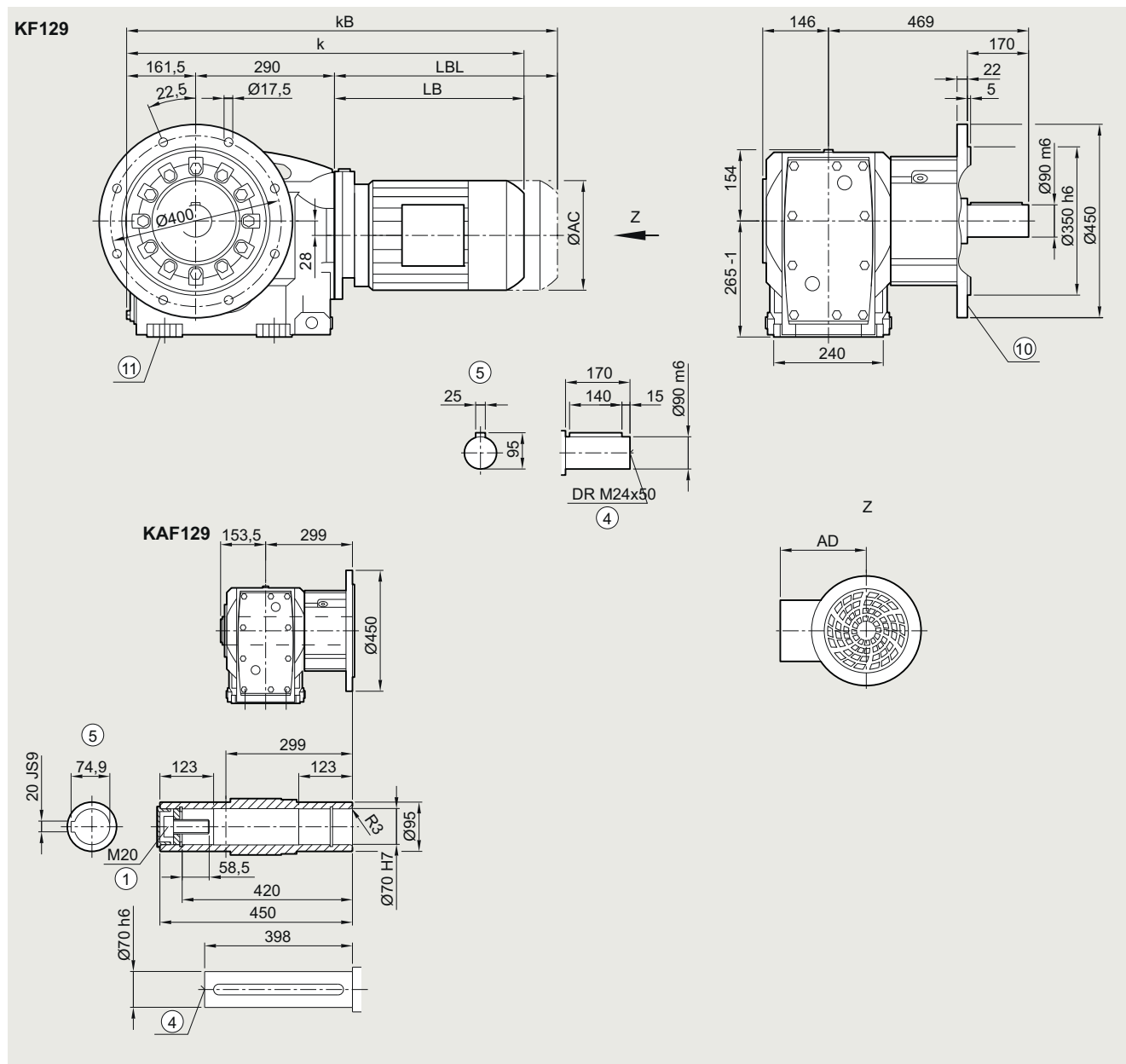
SIMOGEAR geared motors

Bevel geared motors

Dimensional drawings

Gearbox K.F.129 in a flange-mounted design with VLplus reinforced bearing system (G30)

KF040, KAF040



Motor	LE										LES					
	90	90Z	100	100Z	112	112Z	132	132Z	160	160Z	180	180Z	200	200Z	225	225Y
AC	173.8	173.8	198.0	198.0	222.0	222.0	264.0	264.0	318.0	318.0	352.5	352.5	392.5	392.5	439.0	439.0
AD ¹⁾	154.2	154.2	170.5	170.5	181.5	181.5	207.0	207.0	241.0	241.0	292.0	292.0	315.0	315.0	382.0	382.0
k	767.5	807.5	818.0	853.0	828.0	853.0	881.0	931.0	963.0	1023.0	1036.0	1066.0	1104.0	1129.0	1149.5	1209.5
kB	837.5	877.5	896.5	931.5	901.0	926.0	985.5	1035.5	1079.0	1139.0	1165.0	1195.0	1251.0	1276.0	1377.5	1437.5
LB	316.0	356.0	366.5	401.5	376.5	401.5	429.5	479.5	511.5	571.5	584.5	614.5	652.5	677.5	698.0	758.0
LBL	386.0	426.0	445.0	480.0	449.5	474.5	534.0	584.0	627.5	687.5	713.5	743.5	799.5	824.5	926.0	986.0

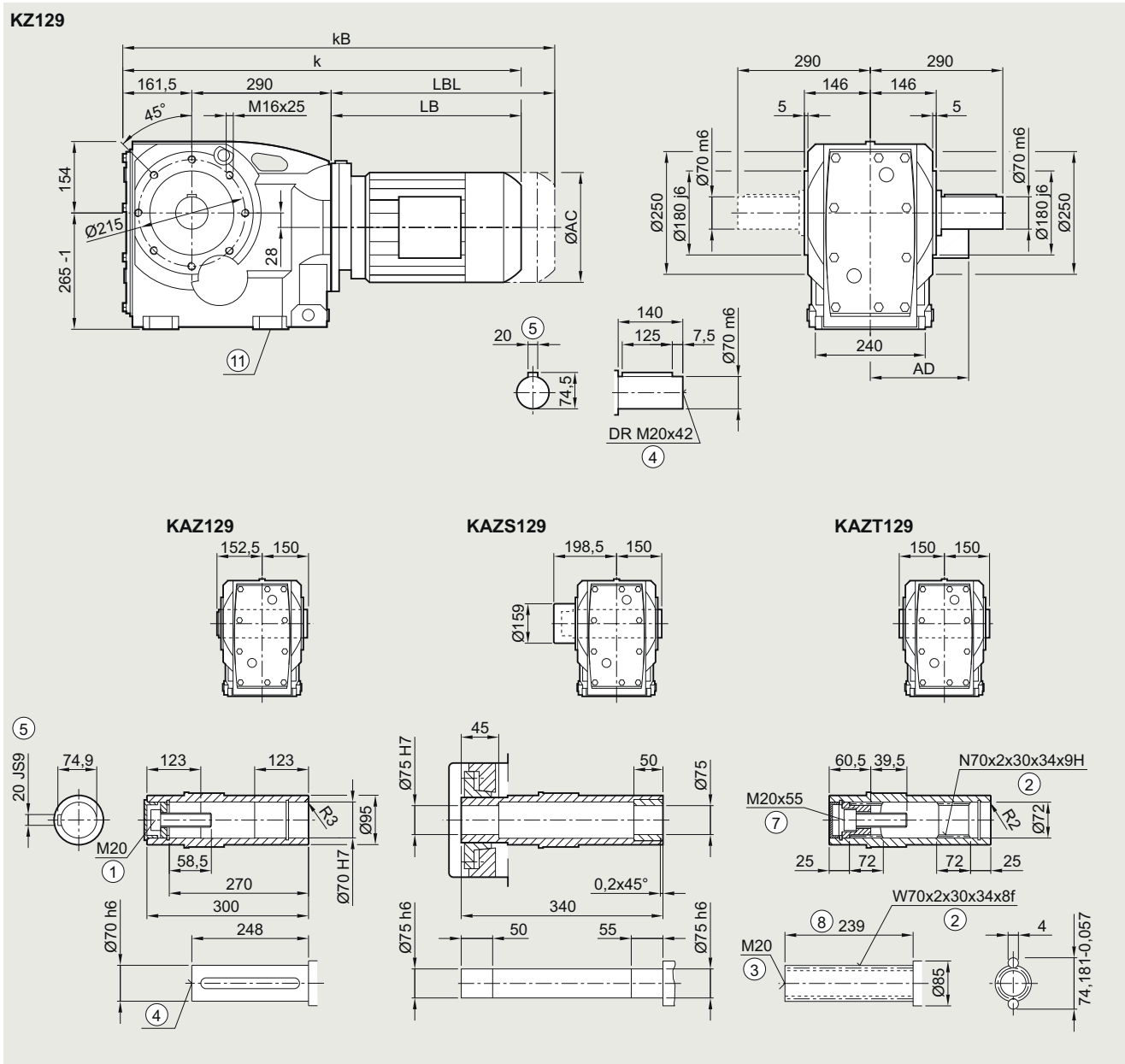
① ISO 4014 ④ DIN 332 ⑤ Feather key/keyway DIN 6885-1 ⑩ Use bores only for foot-mounted design

⑩ For inner contour, see page 5/136

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

Gearbox K.Z.129 in a housing flange design

KZ030, KAZ030, KAZS030, KAZT030

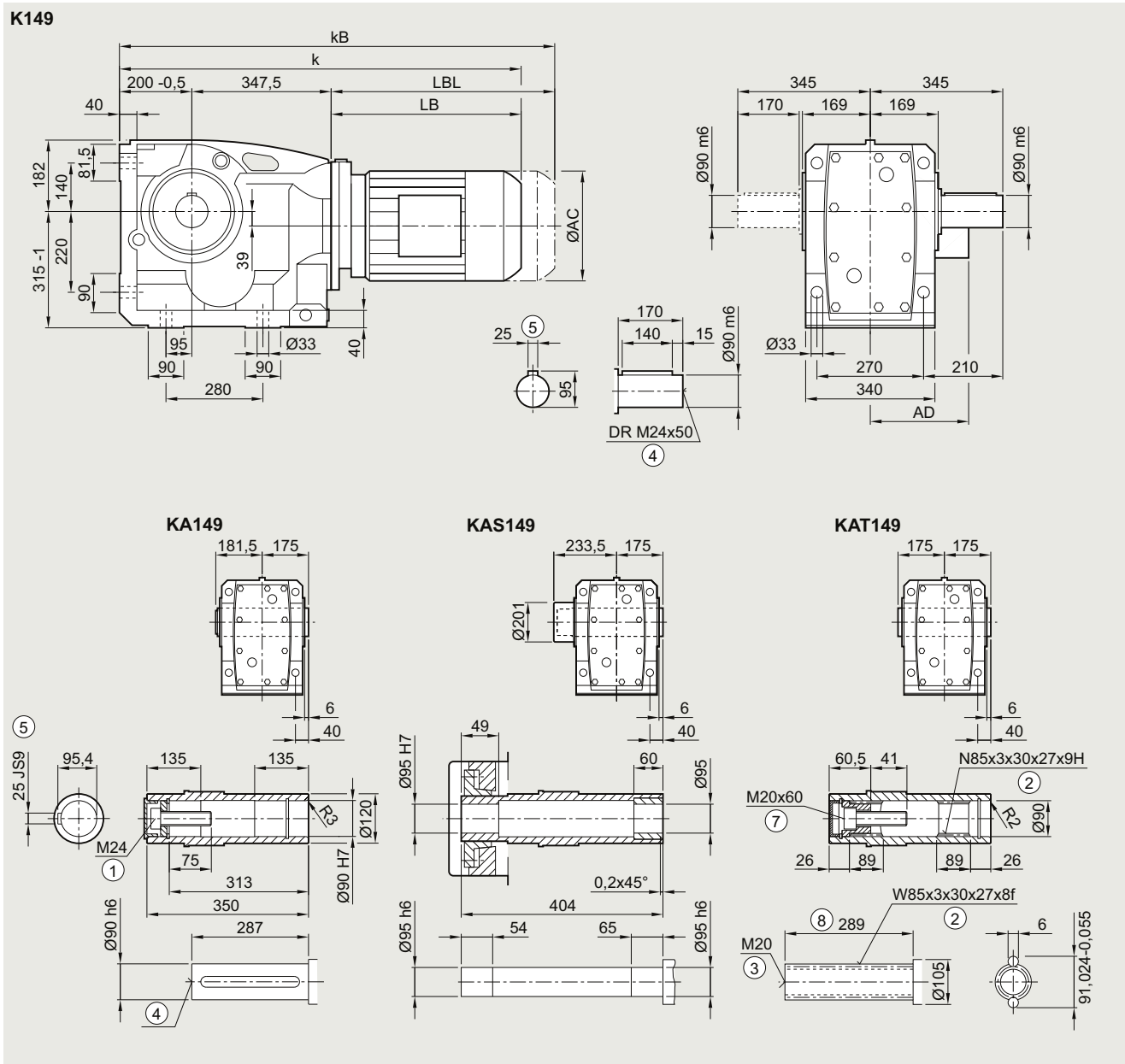


Motor	LE										LES						
	90	90Z	100	100Z	112	112Z	132	132Z	160	160Z	180	180Z	200	200Z	225	225Y	
AC	173.8	173.8	198.0	198.0	222.0	222.0	264.0	264.0	318.0	318.0	352.5	352.5	392.5	392.5	439.0	439.0	
AD ¹⁾	154.2	154.2	170.5	170.5	181.5	181.5	207.0	207.0	241.0	241.0	292.0	292.0	315.0	315.0	382.0	382.0	
k	767.5	807.5	818.0	853.0	828.0	853.0	881.0	931.0	963.0	1023.0	1036.0	1066.0	1104.0	1129.0	1149.5	1209.5	
kB	837.5	877.5	896.5	931.5	901.0	926.0	985.5	1035.5	1079.0	1139.0	1165.0	1195.0	1251.0	1276.0	1377.5	1437.5	
LB	316.0	356.0	366.5	401.5	376.5	401.5	429.5	479.5	511.5	571.5	584.5	614.5	652.5	677.5	698.0	758.0	
LBL	386.0	426.0	445.0	480.0	449.5	474.5	534.0	584.0	627.5	687.5	713.5	743.5	799.5	824.5	926.0	986.0	

① ISO 4014 ② DIN 5480 ③ DIN 332-D ④ DIN 332 ⑤ Feather key/keyway DIN 6885-1 ⑦ ISO 4762 ⑧ Without locating shoulder +1 mm
⑩ Use bores only for foot-mounted design ⑪ AD depends on the motor options, for other dimensions, [see page 9/46](#).

Gearbox K..149 in a foot-mounted design

K030, KA030, KAS030, KAT030



Motor	LE										LES						
	90	90Z	100	100Z	112	112Z	132	132Z	160	160Z	180	180Z	200	200Z	225	225Y	250
AC	173.8	173.8	198.0	198.0	222.0	222.0	264.0	264.0	318.0	318.0	352.5	352.5	392.5	392.5	439.0	439.0	487.0
AD ¹⁾	154.2	154.2	170.5	170.5	181.5	181.5	207.0	207.0	241.0	241.0	292.0	292.0	315.0	315.0	382.0	382.0	457.5
k	856.5	896.5	905.0	940.0	915.0	940.0	966.0	1016.0	1048.0	1108.0	1121.0	1151.0	1189.0	1214.0	1234.5	1294.5	1346.0
kB	926.5	966.5	983.5	1018.5	988.0	1013.0	1070.5	1120.5	1164.0	1224.0	1250.0	1280.0	1336.0	1361.0	1462.5	1522.5	1571.0
LB	309.0	349.0	357.5	392.5	367.5	392.5	418.5	468.5	500.5	560.5	573.5	603.5	641.5	666.5	687.0	747.0	798.5
LBL	379.0	419.0	436.0	471.0	440.5	465.5	523.0	573.0	616.5	676.5	702.5	732.5	788.5	813.5	915.0	975.0	1023.5

① ISO 4014 ② DIN 5480 ③ DIN 332-D ④ DIN 332 ⑤ Feather key/keyway DIN 6885-1 ⑦ ISO 4762 ⑧ Without locating shoulder +1 mm

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

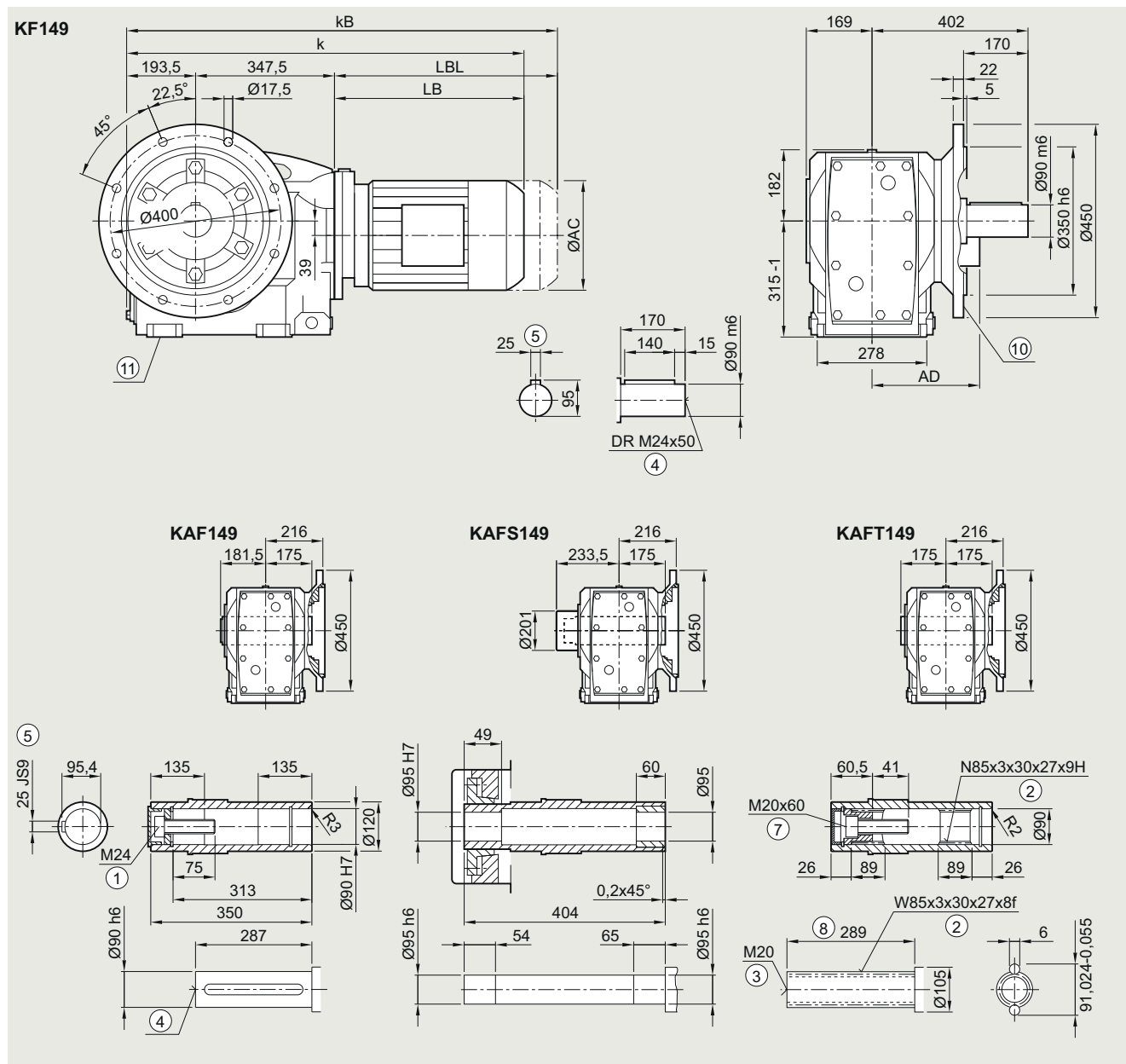
SIMOGEAR geared motors

Bevel geared motors

Dimensional drawings

Gearbox K.F.149 in a flange-mounted design

KF030, KAF030, KAFS030, KAFT030



Motor	LE 90	90Z	100	100Z	112	112Z	132	132Z	160	160Z	LES 180	180Z	200	200Z	225	225Y	250
AC	173.8	173.8	198.0	198.0	222.0	222.0	264.0	264.0	318.0	318.0	352.5	352.5	392.5	392.5	439.0	439.0	487.0
AD ¹⁾	154.2	154.2	170.5	170.5	181.5	181.5	207.0	207.0	241.0	241.0	292.0	292.0	315.0	315.0	382.0	382.0	457.5
k	850.0	890.0	898.5	933.5	908.5	933.5	959.5	1009.5	1041.5	1101.5	1114.5	1144.5	1182.5	1207.5	1228.0	1288.0	1339.5
kB	920.0	960.0	977.0	1012.0	981.5	1006.5	1064.0	1114.0	1157.5	1217.5	1243.5	1273.5	1329.5	1354.5	1456.0	1516.0	1564.5
LB	309.0	349.0	357.5	392.5	367.5	392.5	418.5	468.5	500.5	560.5	573.5	603.5	641.5	666.5	687.0	747.0	798.5
LBL	379.0	419.0	436.0	471.0	440.5	465.5	523.0	573.0	616.5	676.5	702.5	732.5	788.5	813.5	915.0	975.0	1023.5

① ISO 4014 ② DIN 5480 ③ DIN 332-D ④ DIN 332 ⑤ Feather key/keyway DIN 6885-1 ⑦ ISO 4762 ⑧ Without locating shoulder +1 mm

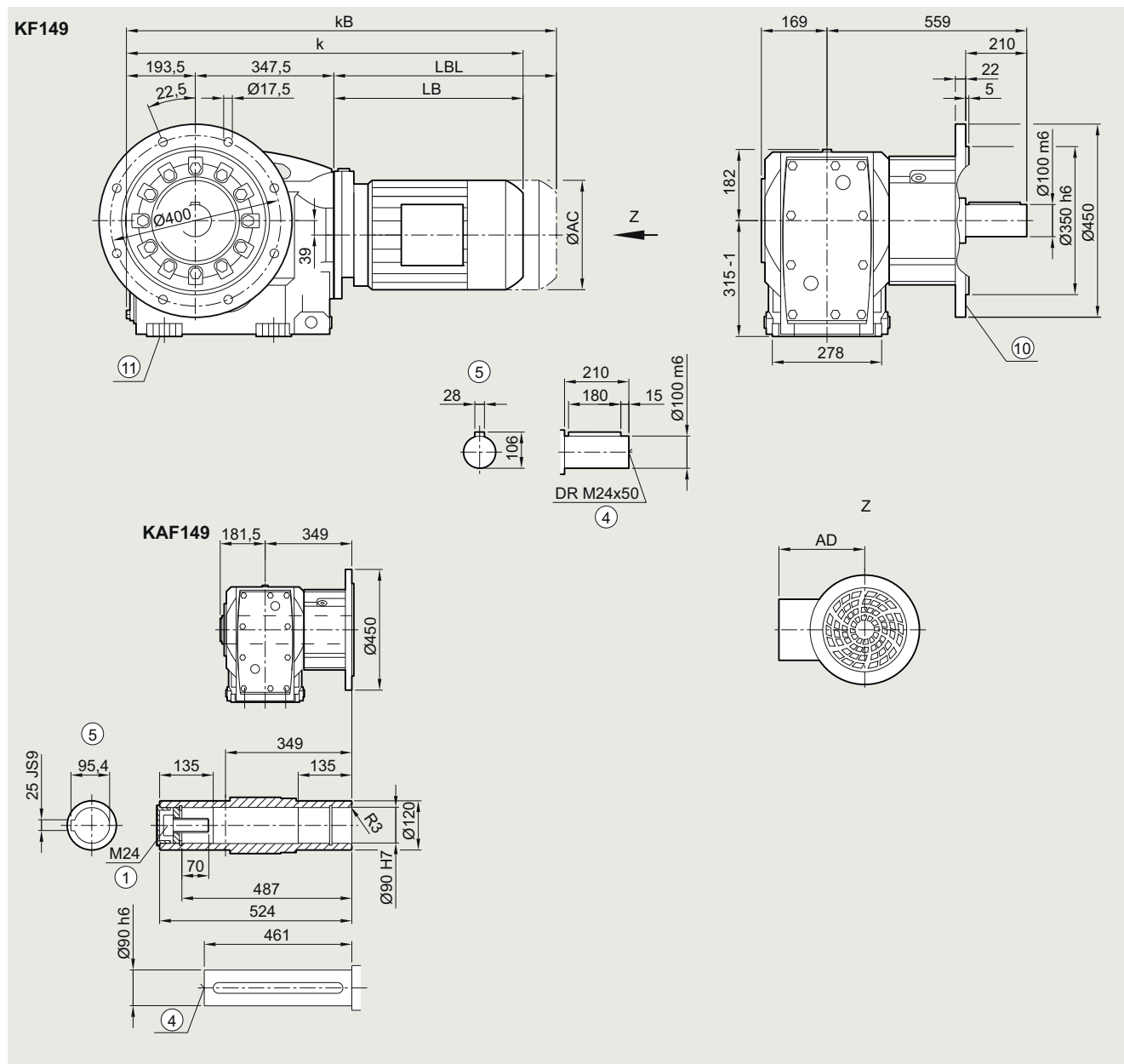
⑨ For inner contour, see page 5/136

⑩ Use bores only for foot-mounted design

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

Gearbox K.F.149 in a flange-mounted design with VLplus reinforced bearing system (G30)

KF040, KAF040



Motor	LES										LES						
	90	90Z	100	100Z	112	112Z	132	132Z	160	160Z	180	180Z	200	200Z	225	225Y	250
AC	173.8	173.8	198.0	198.0	222.0	222.0	264.0	264.0	318.0	318.0	352.5	352.5	392.5	392.5	439.0	439.0	487.0
AD ¹⁾	154.2	154.2	170.5	170.5	181.5	181.5	207.0	207.0	241.0	241.0	292.0	292.0	315.0	315.0	382.0	382.0	457.5
k	850.0	890.0	898.5	933.5	908.5	933.5	959.5	1009.5	1041.5	1101.5	1114.5	1144.5	1182.5	1207.5	1228.0	1288.0	1339.5
kB	920.0	960.0	977.0	1012.0	981.5	1006.5	1064.0	1114.0	1157.5	1217.5	1243.5	1273.5	1329.5	1354.5	1456.0	1516.0	1564.5
LB	309.0	349.0	357.5	392.5	367.5	392.5	418.5	468.5	500.5	560.5	573.5	603.5	641.5	666.5	687.0	747.0	798.5
LBL	379.0	419.0	436.0	471.0	440.5	465.5	523.0	573.0	616.5	676.5	702.5	732.5	788.5	813.5	915.0	975.0	1023.5

① ISO 4014 ④ DIN 332 ⑤ Feather key/keyway DIN 6885-1 ⑪ Use bores only for foot-mounted design

⑩ For inner contour, see page 5/136

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

SIMOGEAR geared motors

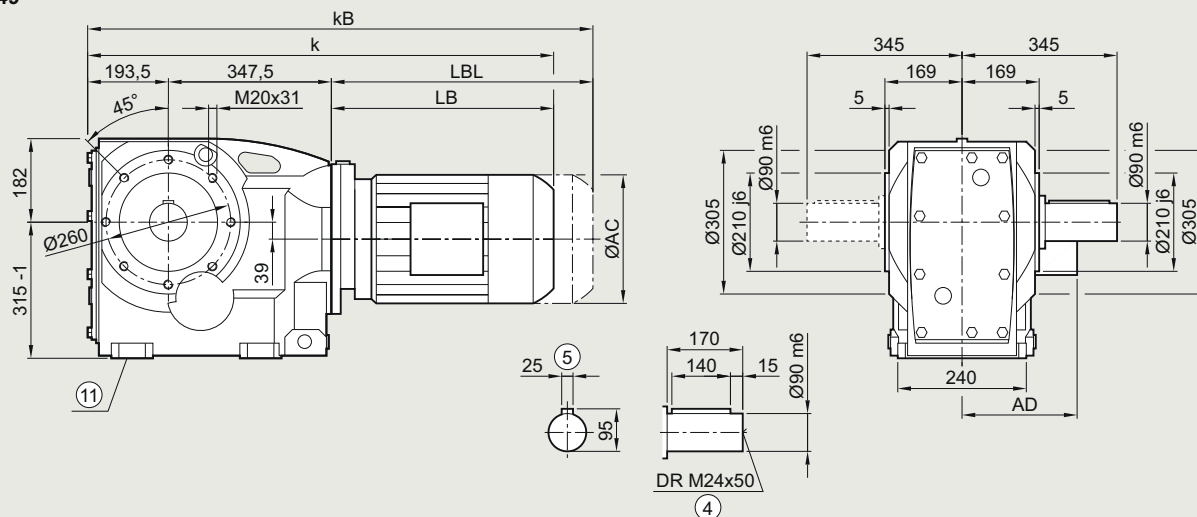
Bevel geared motors

Dimensional drawings

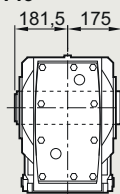
Gearbox K.Z.149 in a housing flange design

KZ030, KAZ030, KAZS030, KAZT030

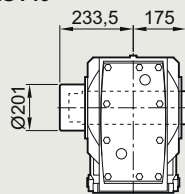
KZ149



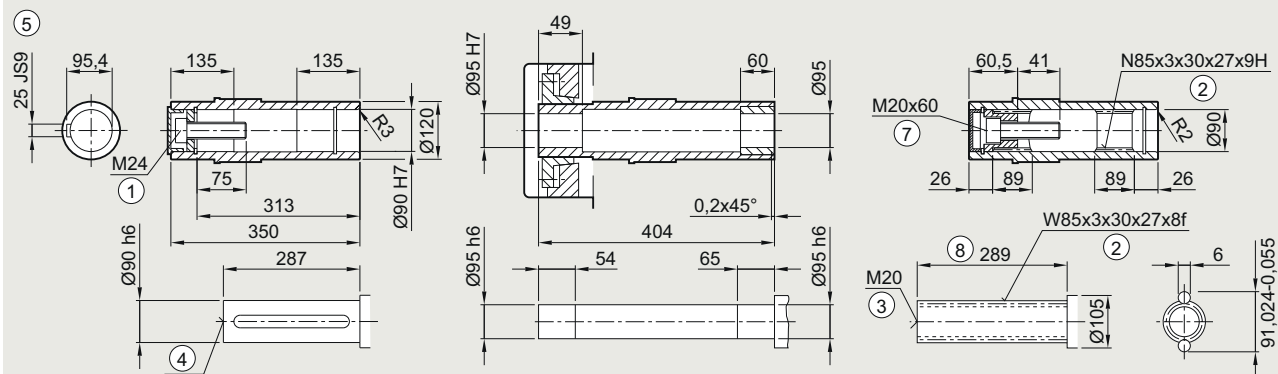
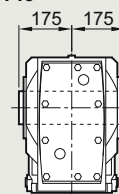
KAZ149



KAZS149

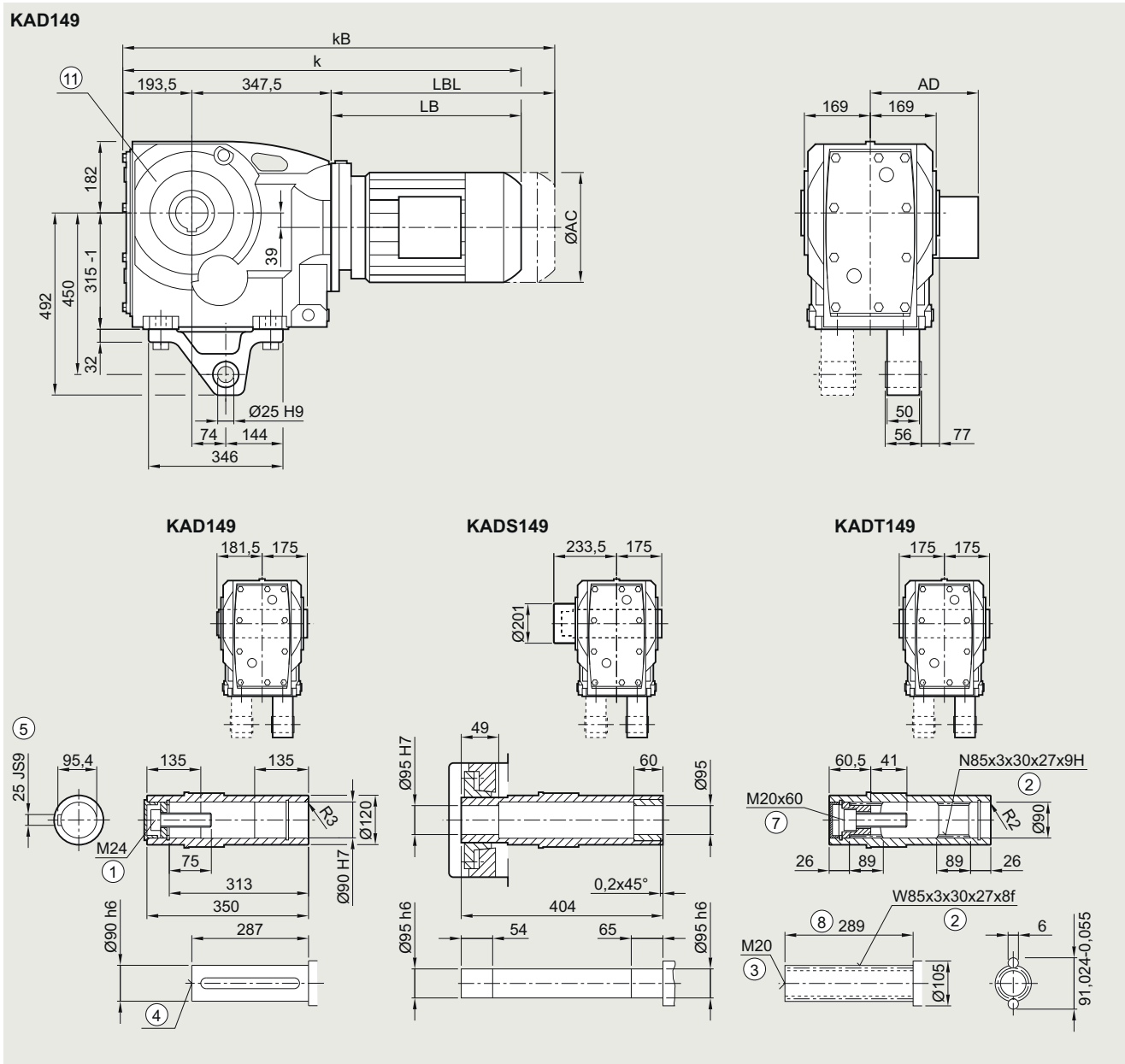


KAZT149



Motor	LE										LES						
	90	90Z	100	100Z	112	112Z	132	132Z	160	160Z	180	180Z	200	200Z	225	225Y	250
AC	173.8	173.8	198.0	198.0	222.0	222.0	264.0	264.0	318.0	318.0	352.5	352.5	392.5	392.5	439.0	439.0	487.0
AD ¹⁾	154.2	154.2	170.5	170.5	181.5	181.5	207.0	207.0	241.0	241.0	292.0	292.0	315.0	315.0	382.0	382.0	457.5
k	850.0	890.0	898.5	933.5	908.5	933.5	959.5	1009.5	1041.5	1101.5	1114.5	1144.5	1182.5	1207.5	1228.0	1288.0	1339.5
kB	920.0	960.0	977.0	1012.0	981.5	1006.5	1064.0	1114.0	1157.5	1217.5	1243.5	1273.5	1329.5	1354.5	1456.0	1516.0	1564.5
LB	309.0	349.0	357.5	392.5	367.5	392.5	418.5	468.5	500.5	560.5	573.5	603.5	641.5	666.5	687.0	747.0	798.5
LBL	379.0	419.0	436.0	471.0	440.5	465.5	523.0	573.0	616.5	676.5	702.5	732.5	788.5	813.5	915.0	975.0	1023.5

① ISO 4014 ② DIN 5480 ③ DIN 332-D ④ DIN 332 ⑤ Feather key/keyway DIN 6885-1 ⑦ ISO 4762 ⑧ Without locating shoulder +1 mm
 ⑨ Use bores only for foot-mounted design
 ①) AD depends on the motor options, for other dimensions, see page 9/46.

Gearbox KAD.149 in a shaft-mounted design
KAD031, KADS031, KADT031


Motor	LE										LES						
	90	90Z	100	100Z	112	112Z	132	132Z	160	160Z	180	180Z	200	200Z	225	225Y	250
AC	173.8	173.8	198.0	198.0	222.0	222.0	264.0	264.0	318.0	318.0	352.5	352.5	392.5	392.5	439.0	439.0	487.0
AD ¹⁾	154.2	154.2	170.5	170.5	181.5	181.5	207.0	207.0	241.0	241.0	292.0	292.0	315.0	315.0	382.0	382.0	457.5
k	850.0	890.0	898.5	933.5	908.5	933.5	959.5	1009.5	1041.5	1101.5	1114.5	1144.5	1182.5	1207.5	1228.0	1288.0	1339.5
kB	920.0	960.0	977.0	1012.0	981.5	1006.5	1064.0	1114.0	1157.5	1217.5	1243.5	1273.5	1329.5	1354.5	1456.0	1516.0	1564.5
LB	309.0	349.0	357.5	392.5	367.5	392.5	418.5	468.5	500.5	560.5	573.5	603.5	641.5	666.5	687.0	747.0	798.5
LBL	379.0	419.0	436.0	471.0	440.5	465.5	523.0	573.0	616.5	676.5	702.5	732.5	788.5	813.5	915.0	975.0	1023.5

① ISO 4014 ② DIN 5480 ③ DIN 332-D ④ DIN 332 ⑤ Feather key/keyway DIN 6885-1 ⑦ ISO 4762 ⑧ Without locating shoulder +1 mm

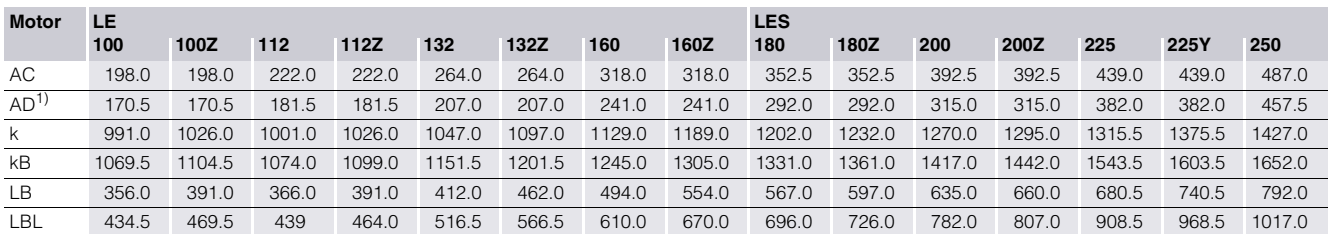
⑩ Use bores only for housing flange design

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

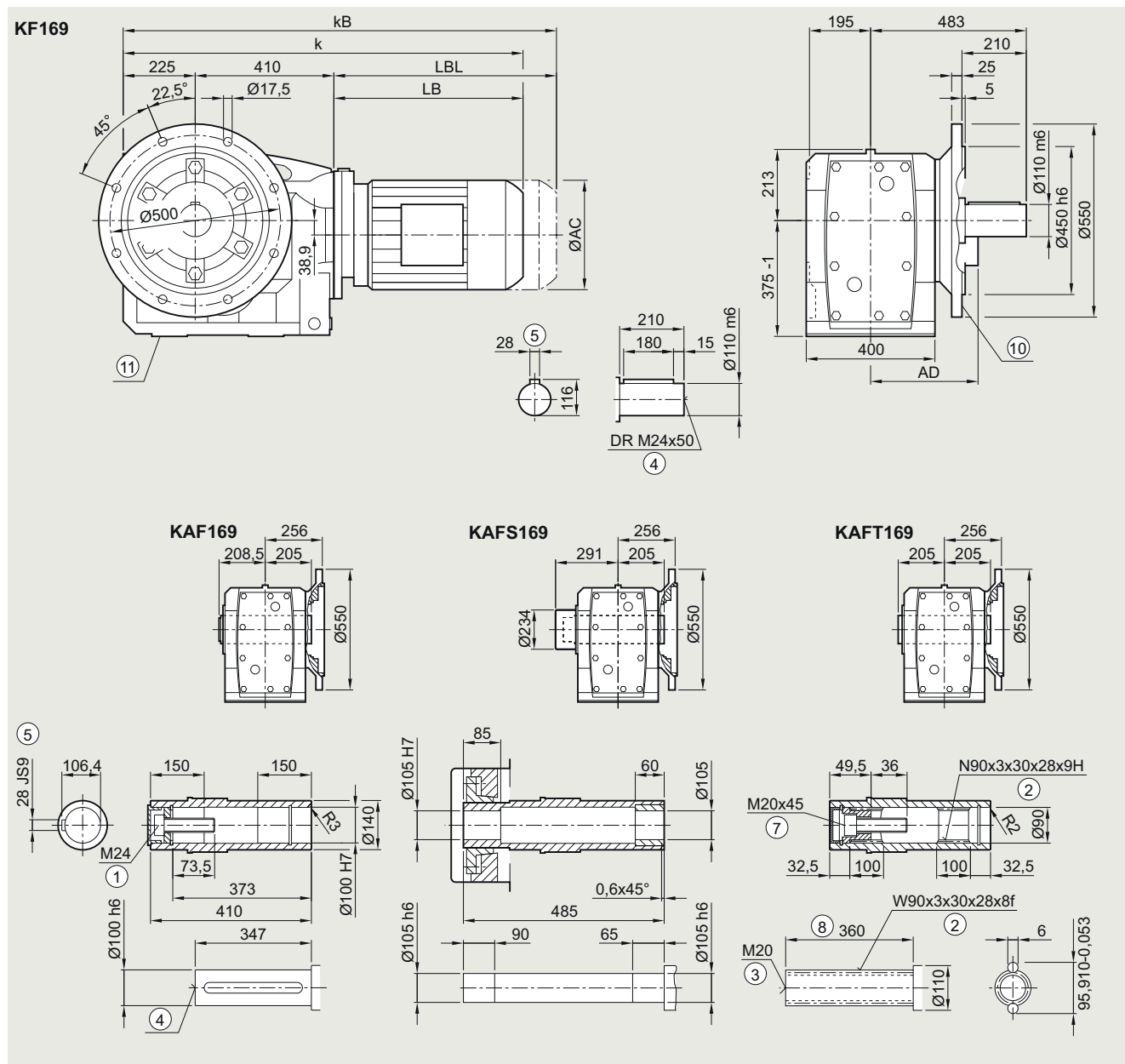
Bevel geared motors

Gearbox K..169 in a foot-mounted design

K030, KA030, KAS030, KAT030



5/122 Siemens D 50.1 · August 2022

Gearbox K.F.169 in a flange-mounted design
KF030, KAF030, KAFS030, KAFT030


Motor	LE 100	100Z	112	112Z	132	132Z	160	160Z	LES 180	180Z	200	200Z	225	225Y	250
AC	198.0	198.0	222.0	222.0	264.0	264.0	318.0	318.0	352.5	352.5	392.5	392.5	439.0	439.0	487.0
AD ¹⁾	170.5	170.5	181.5	181.5	207.0	207.0	241.0	241.0	292.0	292.0	315.0	315.0	382.0	382.0	457.5
k	991.0	1026.0	1001.0	1026.0	1047.0	1097.0	1129.0	1189.0	1202.0	1232.0	1270.0	1295.0	1315.5	1375.5	1427.0
kB	1069.5	1104.5	1074.0	1099.0	1151.5	1201.5	1245.0	1305.0	1331.0	1361.0	1417.0	1442.0	1543.5	1603.5	1652.0
LB	356.0	391.0	366.0	391.0	412.0	462.0	494.0	554.0	567.0	597.0	635.0	660.0	680.5	740.5	792.0
LBL	434.5	469.5	439.0	464.0	516.5	566.5	610.0	670.0	696.0	726.0	782.0	807.0	908.5	968.5	1017.0

① ISO 4014 ② DIN 5480 ③ DIN 332-D ④ DIN 332 ⑤ Feather key/keyway DIN 6885-1 ⑦ ISO 4762 ⑧ Without locating shoulder +1 mm

⑩ For inner contour, see page 5/136

⑪ Use bores only for foot-mounted design

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

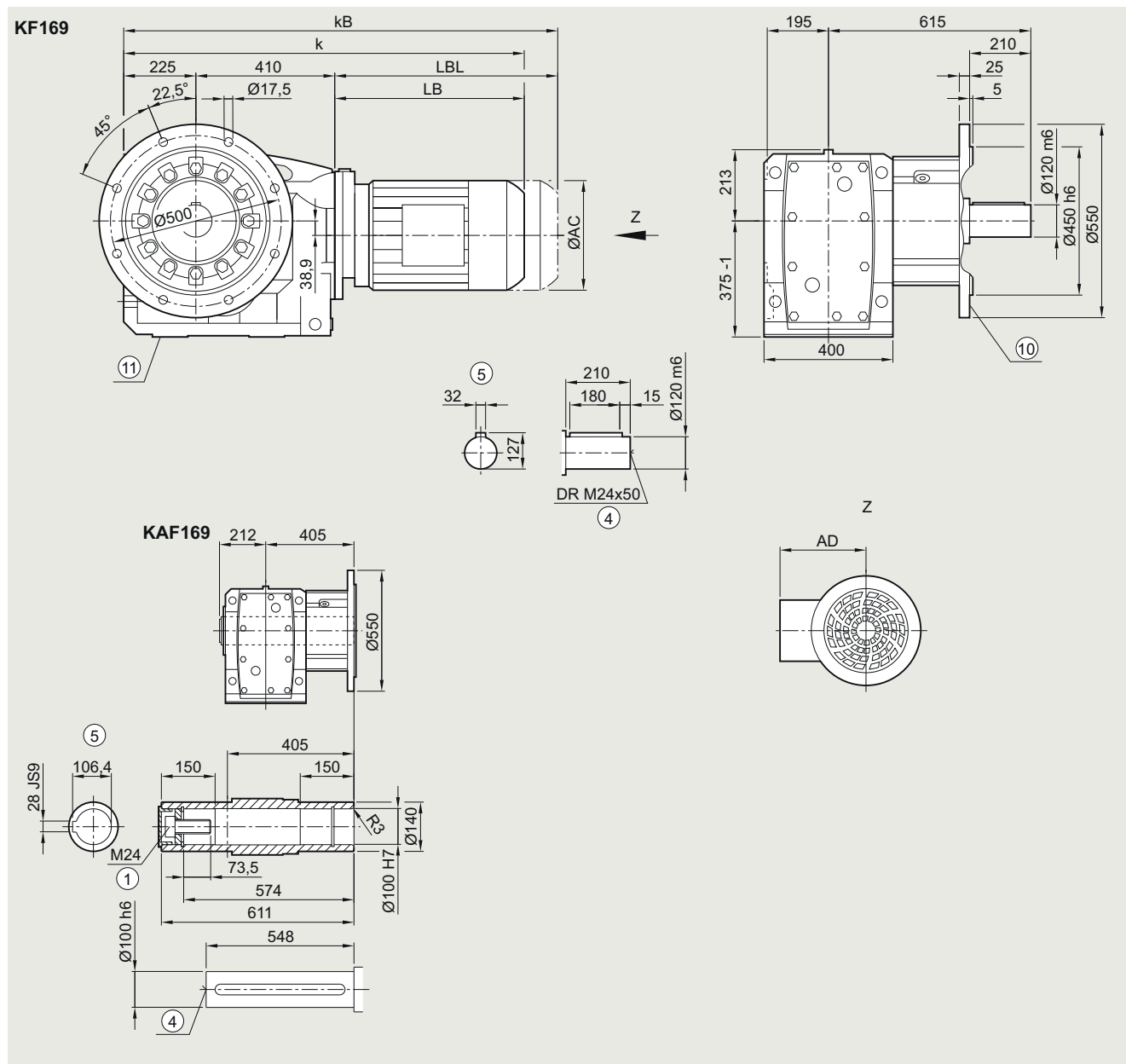
SIMOGEAR geared motors

Bevel geared motors

Dimensional drawings

Gearbox K.F.169 in a flange-mounted design with VLplus reinforced bearing system (G30)

KF040, KAF040



Motor	LE								LES						
	100	100Z	112	112Z	132	132Z	160	160Z	180	180Z	200	200Z	225	225Y	250
AC	198.0	198.0	222.0	222.0	264.0	264.0	318.0	318.0	352.5	352.5	392.5	392.5	439.0	439.0	487.0
AD ¹⁾	170.5	170.5	181.5	181.5	207.0	207.0	241.0	241.0	292.0	292.0	315.0	315.0	382.0	382.0	457.5
k	991.0	1026.0	1001.0	1026.0	1047.0	1097.0	1129.0	1189.0	1202.0	1232.0	1270.0	1295.0	1315.5	1375.5	1427.0
kB	1069.5	1104.5	1074.0	1099.0	1151.5	1201.5	1245.0	1305.0	1331.0	1361.0	1417.0	1442.0	1543.5	1603.5	1652.0
LB	356.0	391.0	366.0	391.0	412.0	462.0	494.0	554.0	567.0	597.0	635.0	660.0	680.5	740.5	792.0
LBL	434.5	469.5	439.0	464.0	516.5	566.5	610.0	670.0	696.0	726.0	782.0	807.0	908.5	968.5	1017.0

① ISO 4014

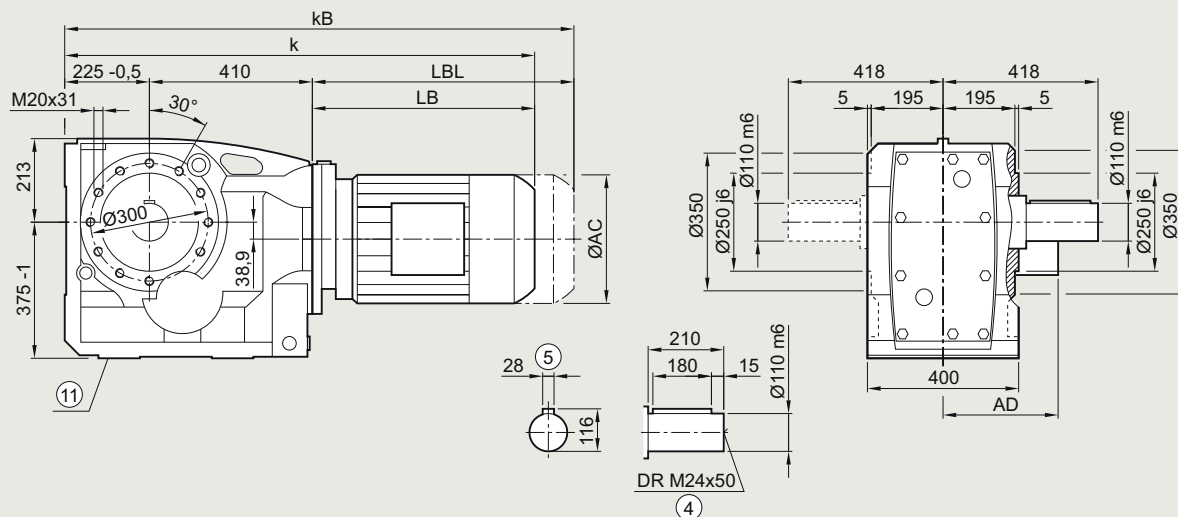
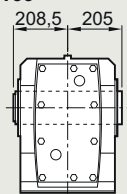
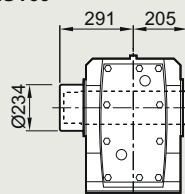
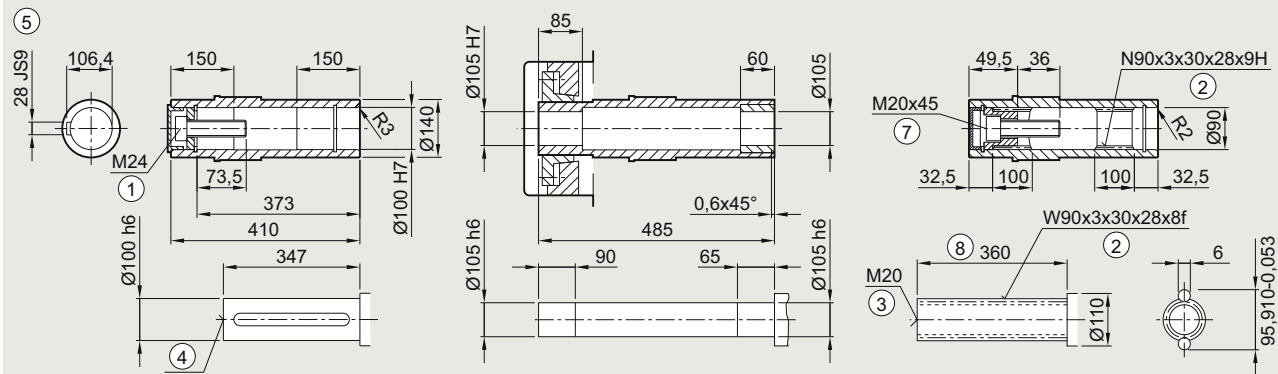
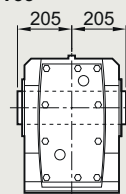
④ DIN 332

⑤ Feather key/keyway DIN 6885-1

⑩ Use bores only for foot-mounted design

⑪ For inner contour, see page 5/136

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

Gearbox K.Z.169 in a housing flange design
KZ030, KAZ030, KAZS030, KAZT030
KZ169

KAZ169

KAZS169

KAZT169


Motor	LE 100	100Z	112	112Z	132	132Z	160	160Z	LES 180	180Z	200	200Z	225	225Y	250
AC	198.0	198.0	222.0	222.0	264.0	264.0	318.0	318.0	352.5	352.5	392.5	392.5	439.0	439.0	487.0
AD ¹⁾	170.5	170.5	181.5	181.5	207.0	207.0	241.0	241.0	292.0	292.0	315.0	315.0	382.0	382.0	457.5
k	991.0	1026.0	1001.0	1026.0	1047.0	1097.0	1129.0	1189.0	1202.0	1232.0	1270.0	1295.0	1315.5	1375.5	1427.0
kB	1069.5	1104.5	1074.0	1099.0	1151.5	1201.5	1245.0	1305.0	1331.0	1361.0	1417.0	1442.0	1543.5	1603.5	1652.0
LB	356.0	391.0	366.0	391.0	412.0	462.0	494.0	554.0	567.0	597.0	635.0	660.0	680.5	740.5	792.0
LBL	434.5	469.5	439.0	464.0	516.5	566.5	610.0	670.0	696.0	726.0	782.0	807.0	908.5	968.5	1017.0

① ISO 4014 ② DIN 5480 ③ DIN 332-D ④ DIN 332 ⑤ Feather key/keyway DIN 6885-1 ⑦ ISO 4762 ⑧ Without locating shoulder +1 mm
 ⑨ Use bores only for foot-mounted design
 1) AD depends on the motor options, for other dimensions, see page 9/46.

SIMOGEAR geared motors

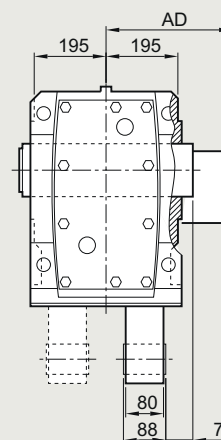
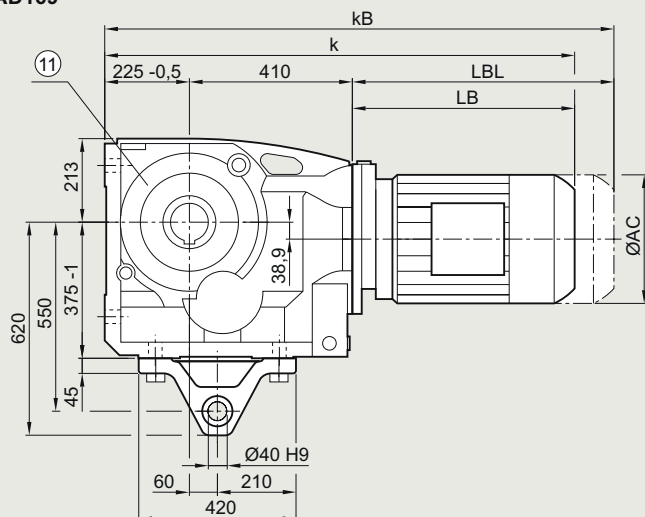
Bevel geared motors

Dimensional drawings

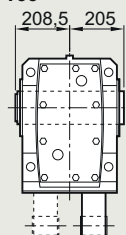
Gearbox KAD.169 in a shaft-mounted design

KAD031, KADS031, KADT031

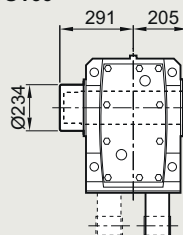
KAD169



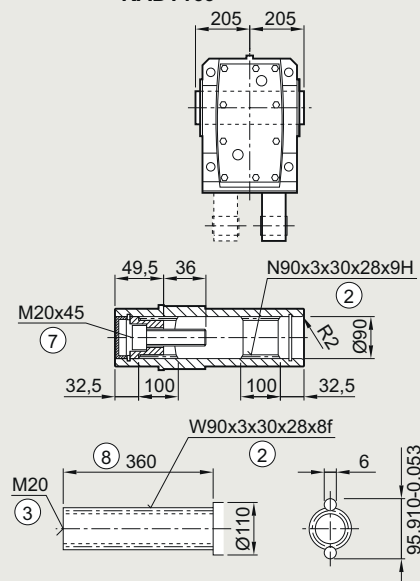
KAD169



KADS169



KADT169

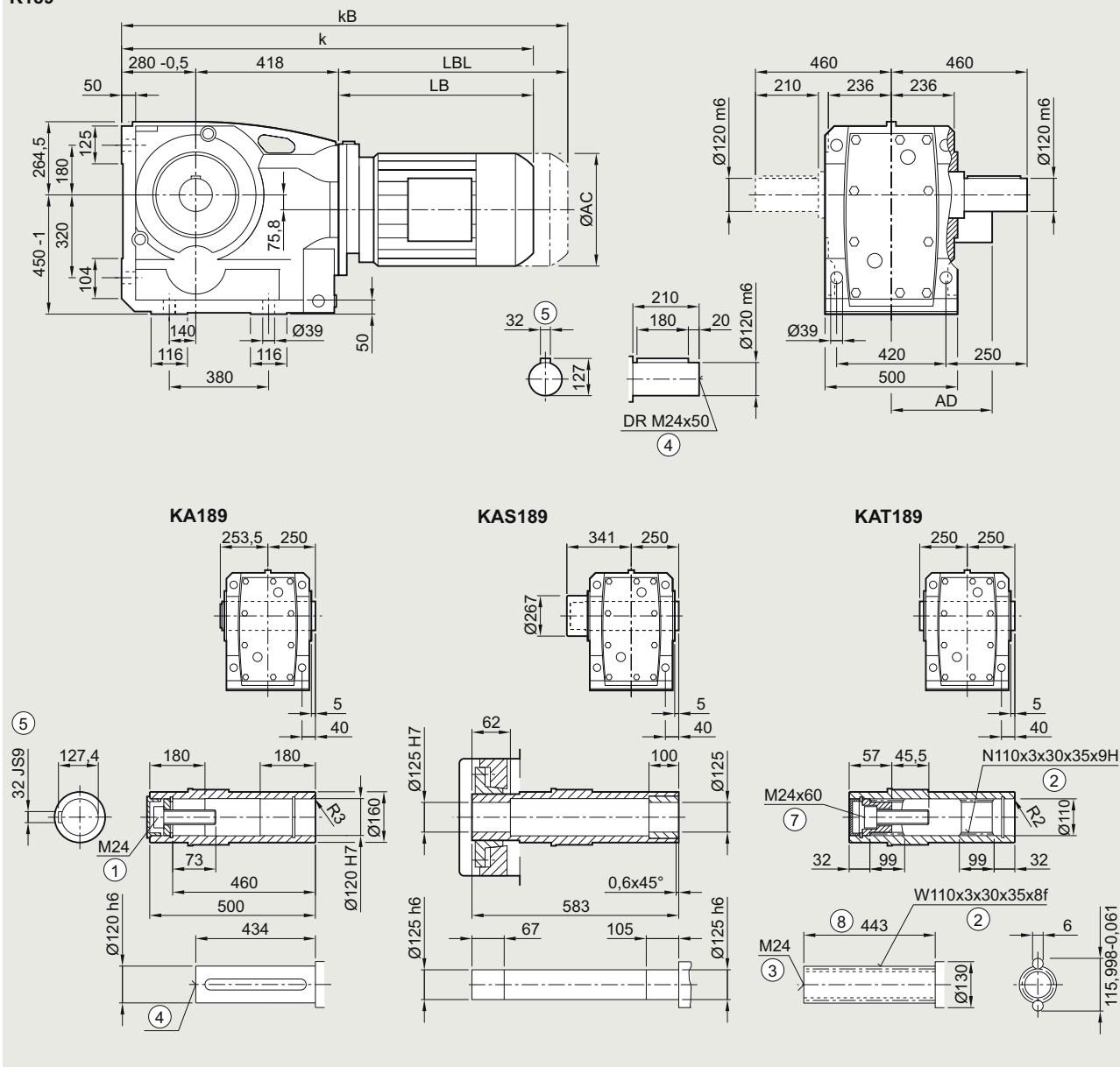


Motor	LE 100	100Z	112	112Z	132	132Z	160	160Z	LES 180	180Z	200	200Z	225	225Y	250
AC	198.0	198.0	222.0	222.0	264.0	264.0	318.0	318.0	352.5	352.5	392.5	392.5	439.0	439.0	487.0
AD ¹⁾	170.5	170.5	181.5	181.5	207.0	207.0	241.0	241.0	292.0	292.0	315.0	315.0	382.0	382.0	457.5
k	991.0	1026.0	1001.0	1026.0	1047.0	1097.0	1129.0	1189.0	1202.0	1232.0	1270.0	1295.0	1315.5	1375.5	1427.0
kB	1069.5	1104.5	1074.0	1099.0	1151.5	1201.5	1245.0	1305.0	1331.0	1361.0	1417.0	1442.0	1543.5	1603.5	1652.0
LB	356.0	391.0	366.0	391.0	412.0	462.0	494.0	554.0	567.0	597.0	635.0	660.0	680.5	740.5	792.0
LBL	434.5	469.5	439.0	464.0	516.5	566.5	610.0	670.0	696.0	726.0	782.0	807.0	908.5	968.5	1017.0

① ISO 4014 ② DIN 5480 ③ DIN 332-D ④ DIN 332 ⑤ Feather key/keyway DIN 6885-1 ⑦ ISO 4762 ⑧ Without locating shoulder +1 mm

⑩ Use bores only for housing flange design

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

Gearbox K..189 in a foot-mounted design
K030, KA030, KAS030, KAT030
K189


Motor	LE						LES						
	112	112Z	132	132Z	160	160Z	180	180Z	200	200Z	225	225Y	250
AC	222.0	222.0	264.0	264.0	318.0	318.0	352.5	352.5	392.5	392.5	439.0	439.0	487.0
AD ¹⁾	181.5	181.5	207.0	207.0	241.0	241.0	292.0	292.0	315.0	315.0	382.0	382.0	457.5
k	1051.5	1076.5	1097.0	1147.0	1179.0	1239.0	1251.5	1281.5	1319.5	1344.5	1364.0	1424.0	1471.5
kB	1124.5	1149.5	1201.5	1251.5	1295.0	1355.0	1380.5	1410.5	1466.5	1491.5	1592.0	1652.0	1696.5
LB	353.5	378.5	399.0	449.0	481.0	541.0	553.5	583.5	621.5	646.5	666.0	726.0	773.5
LBL	426.5	451.5	503.5	553.5	597.0	657.0	682.5	712.5	768.5	793.5	894.0	954.0	998.5

① ISO 4014 ② DIN 5480 ③ DIN 332-D ④ DIN 332 ⑤ Feather key/keyway DIN 6885-1 ⑦ ISO 4762 ⑧ Without locating shoulder +1 mm

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

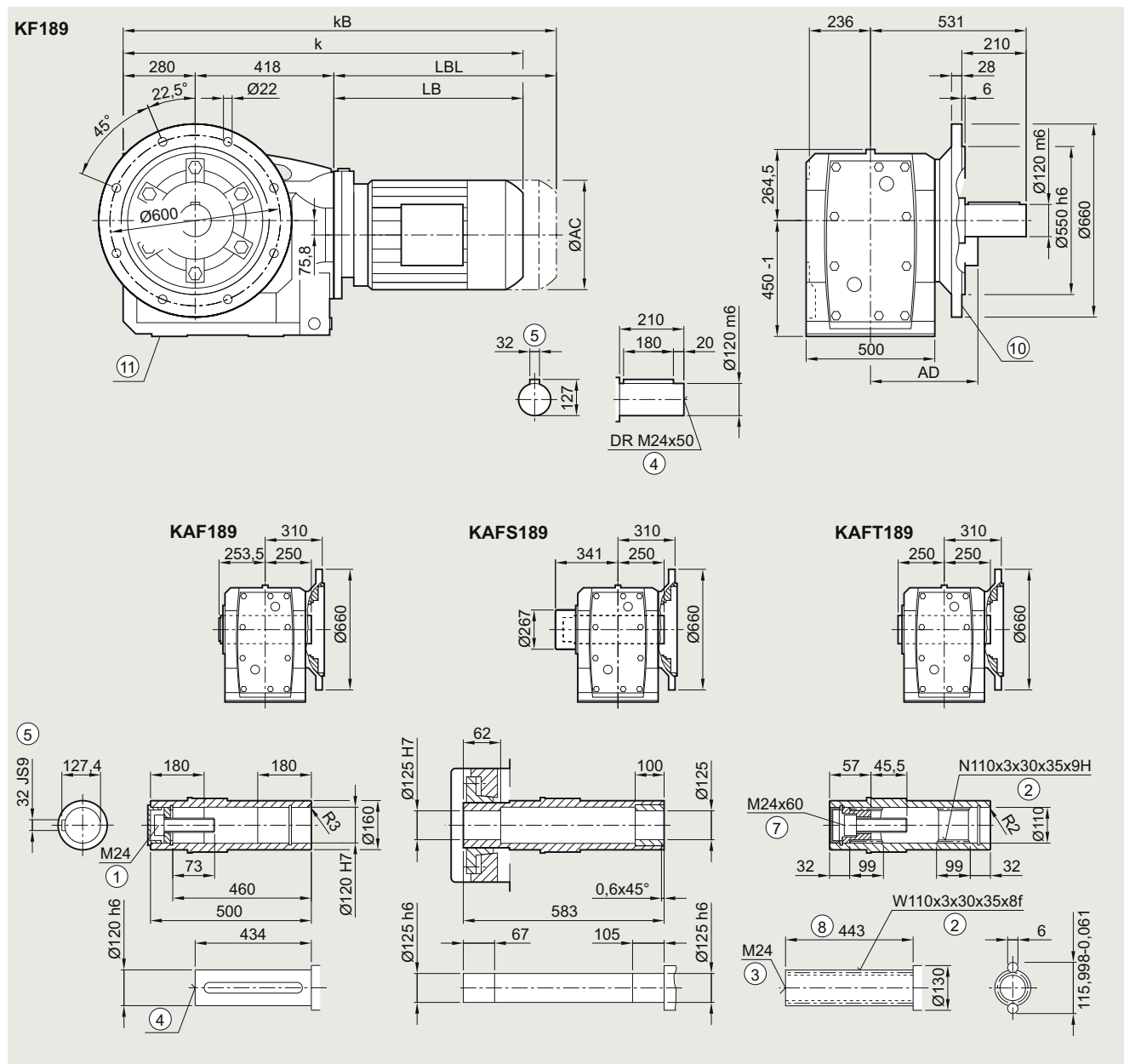
SIMOGEAR geared motors

Bevel geared motors

Dimensional drawings

Gearbox K.F.189 in a flange-mounted design

KF030, KAF030, KAFS030, KAFT030



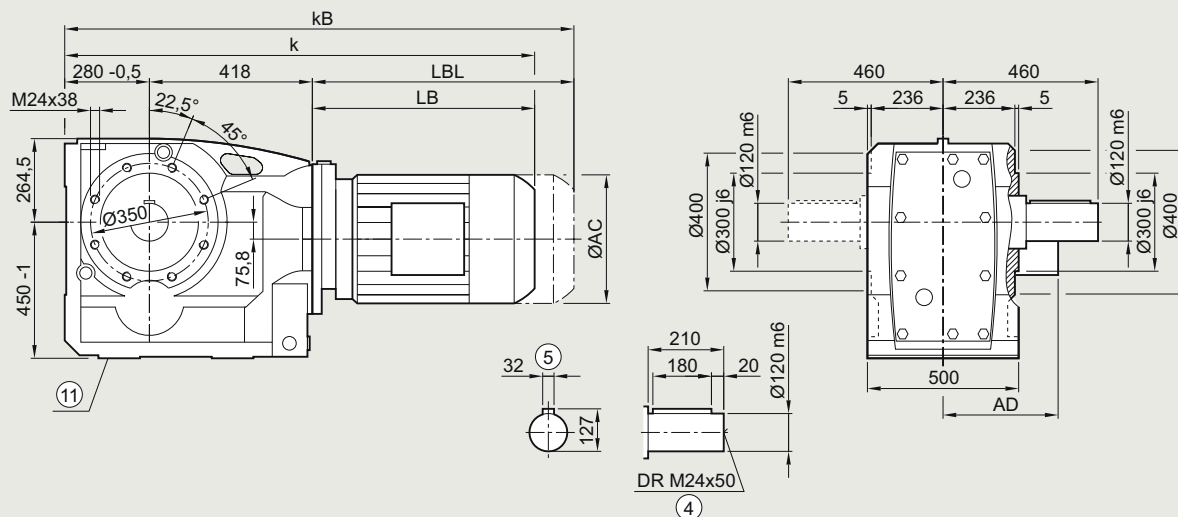
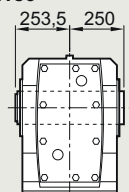
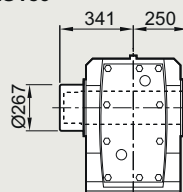
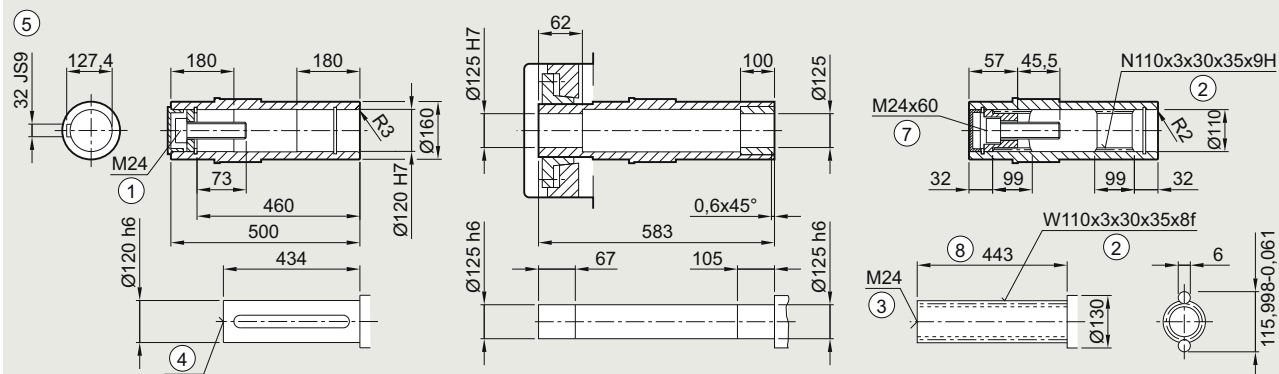
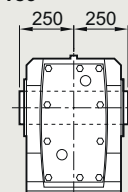
Motor	LE	112	112Z	132	132Z	160	160Z	LES	180	180Z	200	200Z	225	225Y	250
AC		222.0	222.0	264.0	264.0	318.0	318.0		352.5	352.5	392.5	392.5	439.0	439.0	487.0
AD ¹⁾		181.5	181.5	207.0	207.0	241.0	241.0		292.0	292.0	315.0	315.0	382.0	382.0	457.5
k		1051.5	1076.5	1097.0	1147.0	1179.0	1239.0		1251.5	1281.5	1319.5	1344.5	1364.0	1424.0	1471.5
kB		1124.5	1149.5	1201.5	1251.5	1295.0	1355.0		1380.5	1410.5	1466.5	1491.5	1592.0	1652.0	1696.5
LB		353.5	378.5	399.0	449.0	481.0	541.0		553.5	583.5	621.5	646.5	666.0	726.0	773.5
LBL		426.5	451.5	503.5	553.5	597.0	657.0		682.5	712.5	768.5	793.5	894.0	954.0	998.5

① ISO 4014 ② DIN 5480 ③ DIN 332-D ④ DIN 332 ⑤ Feather key/keyway DIN 6885-1 ⑦ ISO 4762 ⑧ Without locating shoulder +1 mm

⑩ For inner contour, see page 5/136

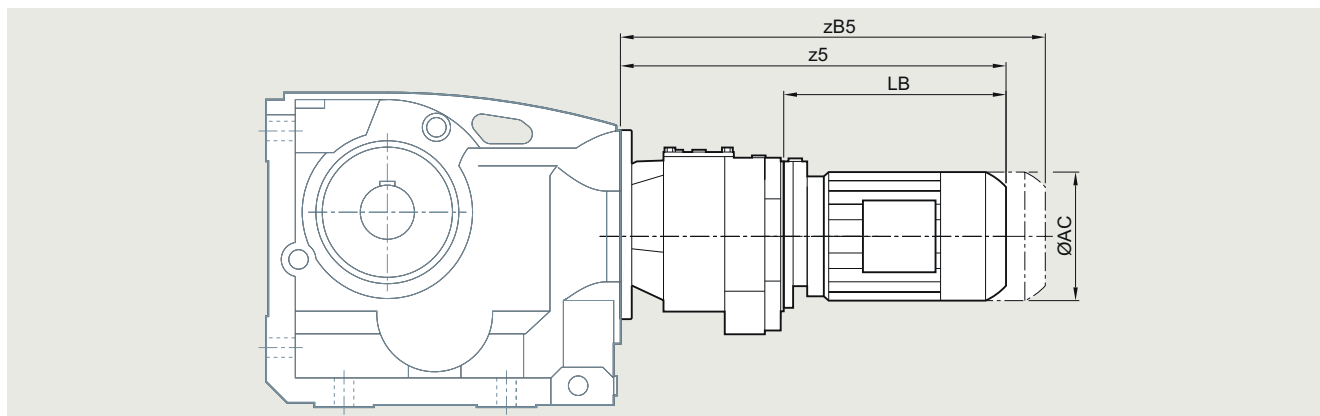
⑪ Use bores only for foot-mounted design

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

Gearbox K.Z.189 in a housing flange design
KZ030, KAZ030, KAZS030, KAZT030
KZ189

KAZ189

KAZS189

KAZT189


Motor	LE 112	112Z	132	132Z	160	160Z	LES 180	180Z	200	200Z	225	225Y	250
AC	222.0	222.0	264.0	264.0	318.0	318.0	352.5	352.5	392.5	392.5	439.0	439.0	487.0
AD ¹⁾	181.5	181.5	207.0	207.0	241.0	241.0	292.0	292.0	315.0	315.0	382.0	382.0	457.5
k	1051.5	1076.5	1097.0	1147.0	1179.0	1239.0	1251.5	1281.5	1319.5	1344.5	1364.0	1424.0	1471.5
kB	1124.5	1149.5	1201.5	1251.5	1295.0	1355.0	1380.5	1410.5	1466.5	1491.5	1592.0	1652.0	1696.5
LB	353.5	378.5	399.0	449.0	481.0	541.0	553.5	583.5	621.5	646.5	666.0	726.0	773.5
LBL	426.5	451.5	503.5	553.5	597.0	657.0	682.5	712.5	768.5	793.5	894.0	954.0	998.5

① ISO 4014 ② DIN 5480 ③ DIN 332-D ④ DIN 332 ⑤ Feather key/keyway DIN 6885-1 ⑦ ISO 4762 ⑧ Without locating shoulder +1 mm
 ⑨ Use bores only for foot-mounted design
 1) AD depends on the motor options, for other dimensions, see page 9/46.

Bevel tandem geared motors


Gearbox	Motor	AC	z5	zB5	LB
K.39-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
K.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
K.69-Z/D19	LE80Z	156.3	445.0	505.0	275.0
	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
K.79-Z/D19	LE80	156.3	410.0	470.0	240.0
	LE80Z	156.3	445.0	505.0	275.0
	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
K.89-Z/D39	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
	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
	LE100	198.0	587.5	666.0	408.0
	LE100Z	198.0	622.5	701.0	443.0

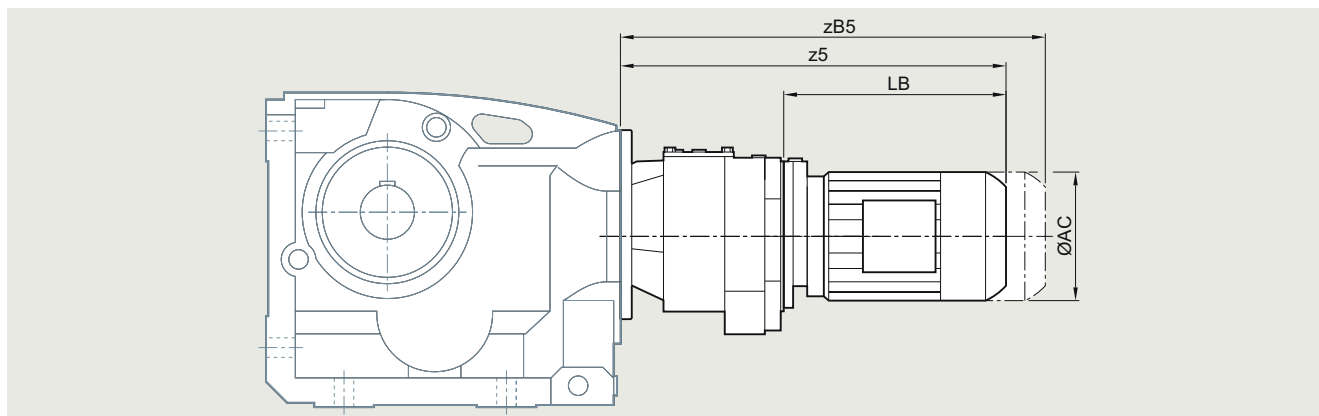
Gearbox	Motor	AC	z5	zB5	LB
K.109-Z/D39	LE63	117.8	356.5	401.0	194.0
	LE63Z	117.8	382.5	427.0	220.0
	LE71	138.8	388.5	443.5	226.0
	LE71Z	138.8	407.5	462.5	245.0
	LE71Y	138.8	447.5	502.5	285.0
	LE80	156.3	452.5	512.5	290.0
	LE80Z	156.3	487.5	547.5	325.0
	LE90	173.8	514.0	584.0	351.5
	LE90Z	173.8	554.0	624.0	391.5
	LE100	198.0	570.5	649.0	408.0
K.129-Z/D39	LE100Z	198.0	605.5	684.0	443.0
	LE63	117.8	347.5	392.0	194.0
	LE63Z	117.8	373.5	418.0	220.0
	LE71	138.8	379.5	434.5	226.0
	LE71Z	138.8	398.5	453.5	245.0
	LE71Y	138.8	438.5	493.5	285.0
	LE80	156.3	443.5	503.5	290.0
	LE80Z	156.3	478.5	538.5	325.0
	LE90	173.8	505.0	575.0	351.5
	LE90Z	173.8	545.0	615.0	391.5
K.149-Z/D49	LE100	198.0	561.5	640.0	408.0
	LE100Z	198.0	596.5	675.0	443.0
	LE63	117.8	376.5	421.0	184.5
	LE63Z	117.8	402.5	447.0	210.5
	LE71	138.8	408.5	463.5	216.5
	LE71Z	138.8	427.5	482.5	235.5
	LE71Y	138.8	467.5	522.5	275.5
	LE80	156.3	472.5	532.5	280.5
	LE80Z	156.3	507.5	567.5	315.5
	LE90	173.8	534.0	604.0	342.0
	LE90Z	173.8	574.0	644.0	382.0
	LE100	198.0	590.5	669.0	398.5
	LE100Z	198.0	625.5	704.0	433.5
	LE112	222.0	600.5	673.5	408.5
	LE112Z	222.0	635.0	708.0	443.0
	LE132	264.0	653.5	758.0	461.5
	LE132Z	264.0	703.5	808.0	511.5

SIMOGEAR geared motors

Bevel geared motors

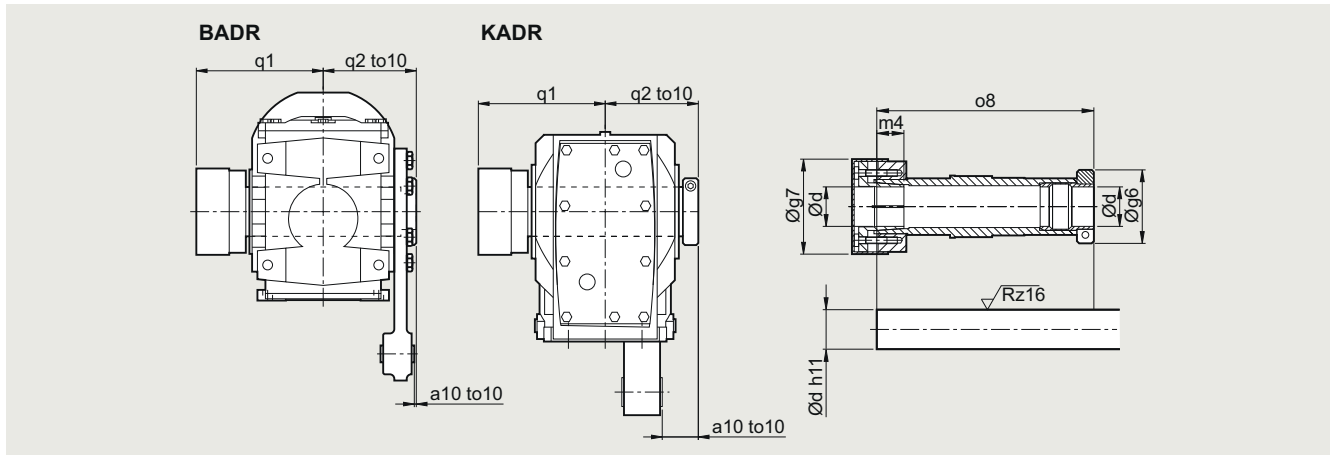
Dimensional drawings

Bevel tandem geared motors



Gearbox	Motor	AC	z5	zB5	LB
K.169-Z/D49	LE63	117.8	366.0	410.5	184.5
	LE63Z	117.8	392.0	436.5	210.5
	LE71	138.8	398.0	453.0	216.5
	LE71Z	138.8	417.5	472.5	235.5
	LE71Y	138.8	457.5	512.5	275.5
	LE80	156.3	462.0	522.0	280.5
	LE80Z	156.3	497.0	557.0	315.5
	LE90	173.8	523.5	593.5	342.0
	LE90Z	173.8	563.5	633.5	382.0
	LE100	198.0	580.0	658.5	398.5
	LE100Z	198.0	615.0	693.5	433.5
	LE112	222.0	590.0	663.0	408.5
	LE112Z	222.0	624.5	697.5	443.0
	LE132	264.0	643.0	747.5	461.5
	LE132Z	264.0	693.0	797.5	511.5
K.189-Z/D69	LE63	117.8	391.5	436.0	184.5
	LE63Z	117.8	417.5	462.0	210.5
	LE71	138.8	423.5	478.5	216.5
	LE71Z	138.8	442.5	497.5	235.5
	LE71Y	138.8	482.5	537.5	275.5
	LE80	156.3	487.5	547.5	280.5
	LE80Z	156.3	522.5	582.5	315.5
	LE90	173.8	549.0	619.0	342.0
	LE90Z	173.8	589.0	659.0	382.0
	LE100	198.0	605.5	684.0	398.5
	LE100Z	198.0	640.5	719.0	433.5
	LE112	222.0	615.5	688.5	408.5
	LE112Z	222.0	650.0	723.0	443.0
	LE132	264.0	668.5	773.0	461.5
	LE132Z	264.0	718.5	823.0	511.5

SIMOLOC assembly system



Note mounting tolerance to10 when positioning the torque arm.

d	g6	g7	m4	o8	q1	q2	a10	to10
BADR29								
25	58.5	56	18.5	151	102	75	11	+2.1
20								+0.6
1"								
0.75"								
BADR39								
30	62.0	76	22	180.5	116	85	2.5	+2.2
25								+0.7
1.25"								
1.1875"								
1"								
BADR49								
35	65.0	84	24	210.0	134	100	-2.5	+2.6
30								+0.8
1.375"								
1.4375"								
1.25"								
1.1875"								
40	79.5	94	30	220	140	104	1.5	
1.625"								
KADR39								
30	62.0	76	22	160.5	106	75	39	+2.2
25								+0.7
1.25"								
1.1875"								
1"								
KADR49								
35	65.0	84	24	192.0	124	90	41	+2.6
30								+0.8
1.375"								
1.4375"								
1.25"								
1.1875"								

SIMOGEAR geared motors

Bevel geared motors

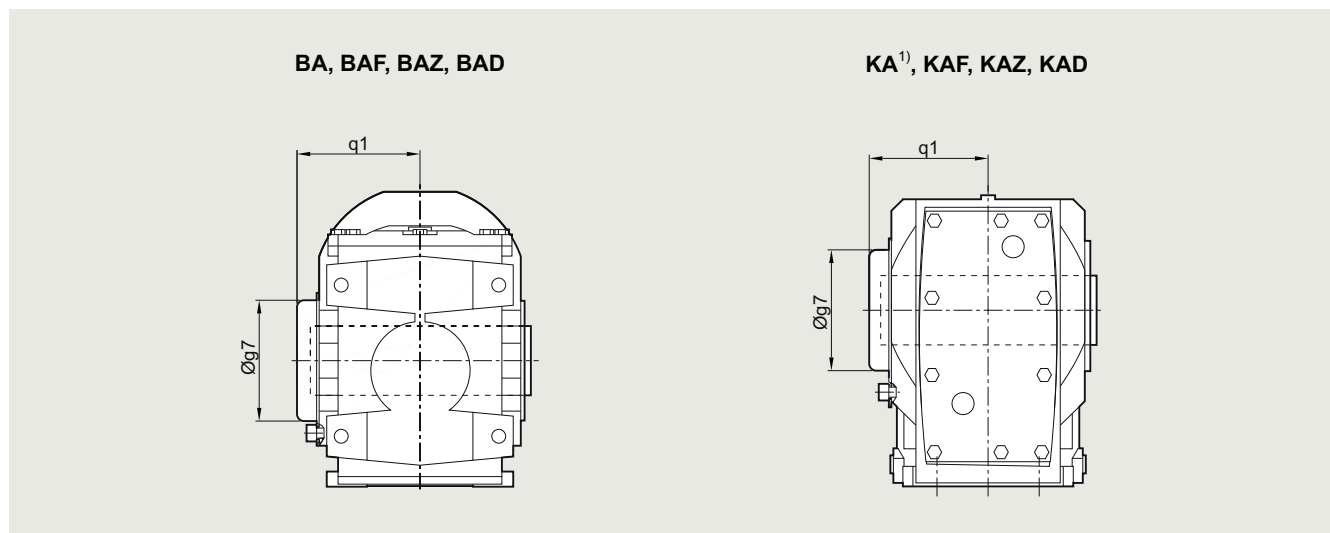
Dimensional drawings

SIMOLOC assembly system

d	g6	g7	m4	o8	q1	q2	a10	to10
KADR69								
40	79.5	94	30	217.5	138	102	39	+2.5
35								+0.7
1.5"								
1.625"								
1.4375"								
1.375"								
KADR79								
40	79.5	94	30	232.0	150	109	46	+3.2
35								+1.4
1.5"								
1.625"								
1.4375"								
1.375"								
KADR89								
50	89.0	114	32	264.0	171	124	45	+3.4
40								+1.5
2"								
1.9375"								
1.75"								
1.625"								

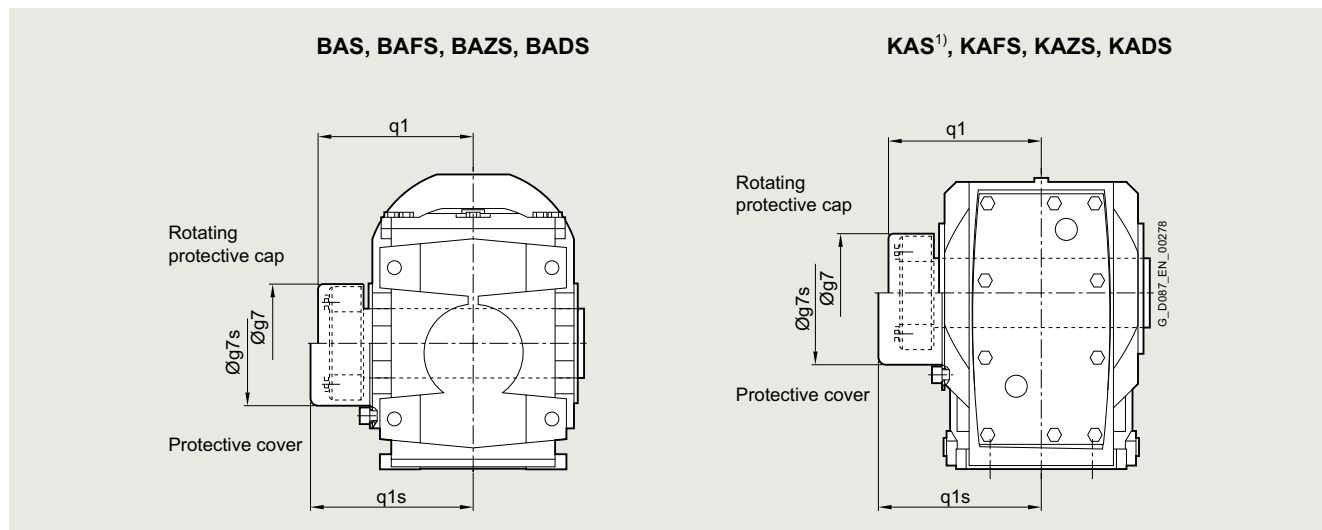
Protective covers

Protective cover for hollow shaft



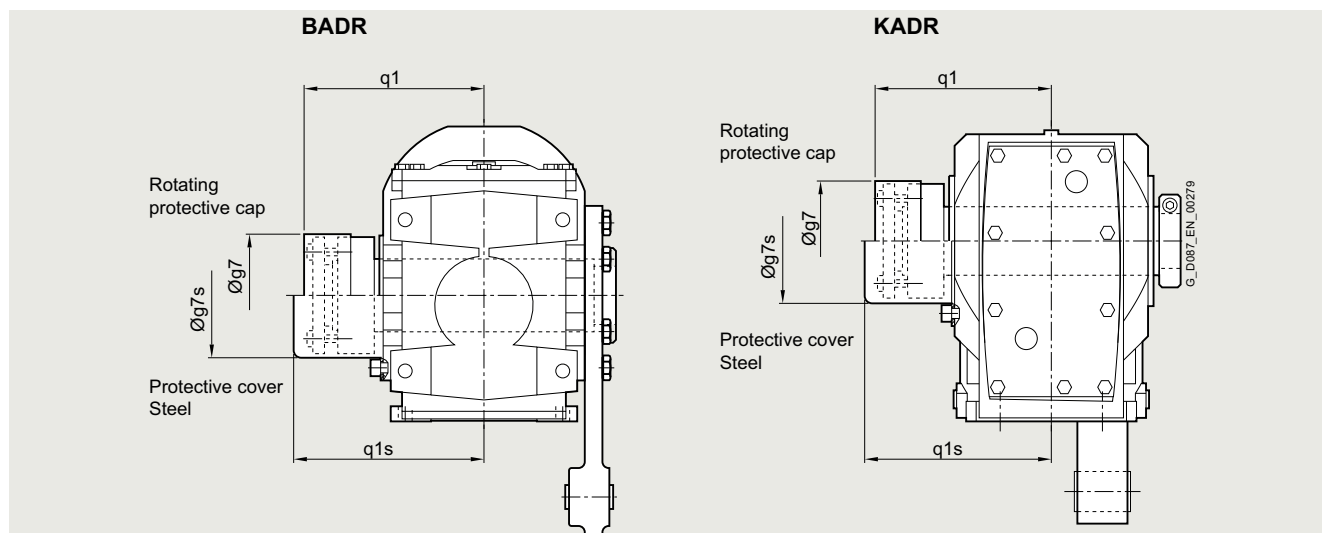
¹⁾ KA/KAS version valid only for gearbox sizes 169 and 189

Gearbox type	BA.19	BA.29	BA.39	BA.49	KA.39	KA.49	KA.69	KA.79	KA.89	KA.109	KA.129	KA.149	KA.169	KA.189
Protective cover														
g7	82.0	67.0	80.0	80.0	82.5	80.0	99.0	99.0	137.0	187.0	187.0	218.0	257.5	309.5
q1	57.5	76.0	96.0	111.0	73.0	105.0	95.0	101.5	124.5	168.0	198.0	250.0	313.0	373.5

Protective covers
Protective cover for hollow shaft with shrink disk


¹) KA/KAS version valid only for gearbox sizes 169 and 189

Gearbox type	BA..29	BA..39	BA..49	KA..39	KA..49	KA..69	KA..79	KA..89	KA..109	KA..129	KA..149	KA..169	KA..189
Rotating protective cap with shrink disk version													
g7	55	84	84	76.0	84	84	94.0	119.0	142.0	159.0	201.0	234.0	267.0
q1	85	102	117	89.5	107	115	125.5	142.5	162.5	198.5	233.5	291.0	343.5
Protective cover													
g7s	58	86	86	82.5	86	99	99.0	137.0	187.0	187.0	218.0	257.5	309.5
q1s	91	119	134	109.0	122	126	132.5	176.5	195.0	225.0	250.0	313.0	373.5

Protective cover for hollow shaft with SIMOLOC assembly system


Gearbox type	BADR29	BADR39	BADR49	KADR39	KADR49	KADR69	KADR79	KADR89
Rotating protective cap								
g7	56	76	84 (94)	76	84	94	94	114
q1	102	116	134 (140)	106	124	138	150	171
Protective cover								
g7s	58	86.0	86	82.5	86	99	99	137
q1s	102	119.0	138	109	126	145	151.5	176.5

() Dimensions in bracket: Hollow shaft d=40 and d=1.625" (can only be selected with rotating protective cap)

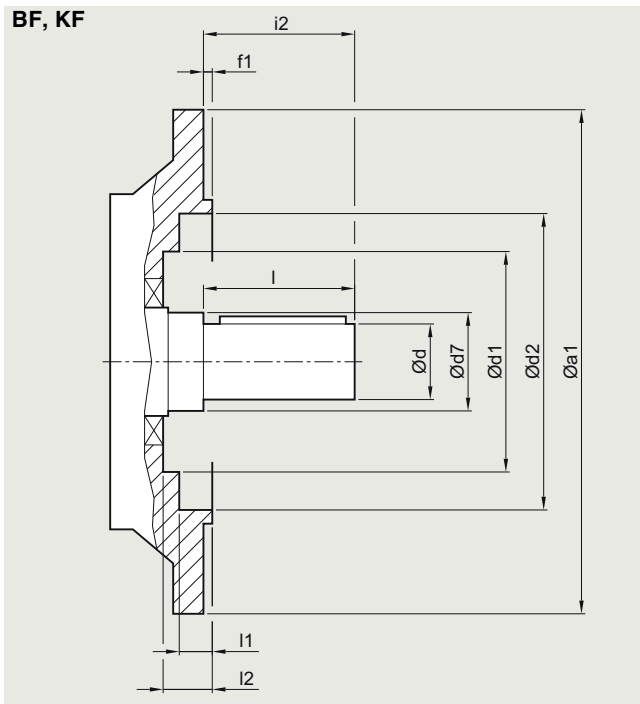
SIMOGEAR geared motors

Bevel geared motors

Dimensional drawings

Inner contour of the flange-mounted design

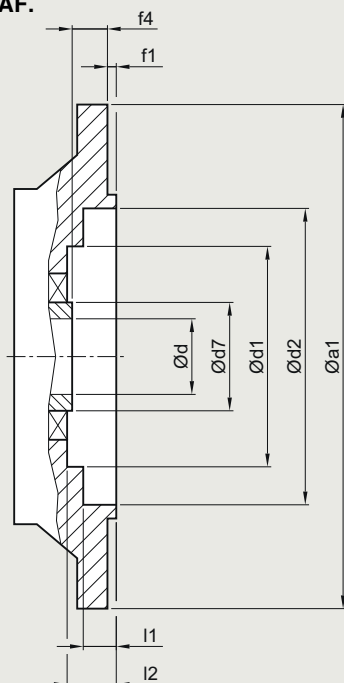
Notes regarding the design of the customer's interface for the solid shaft design



Gearbox type	a1	d	d7	d1	d2	f1	i2	l	l1	l2
BF19	120	20	30	60	68	3.0	40	40	23.5	29.5
BF29	120	20	40	—	70	3.0	40	40	24.0	—
	160	20	40	70	101	3.5	40	40	8.5	24.5
BF39	160	30	55	93	100	3.5	60	60	11.0	31.5
	200	30	55	93	119	3.5	60	60	16.0	31.5
BF49	200	35	55	93	119	3.5	70	70	16.0	31.5
KF39	160	25	30	—	100	3.5	50	50	5.0	—
		35	45	80	102	3.5	46	70	2.0	29.5
KF49	200	30	35	—	118	3.5	60	60	5.5	—
		40	50	90	120	3.5	55	80	4.0	30.5
KF69	250	35	45	—	165	4.0	70	70	6.5	—
KF79	250	40	55	—	165	4.0	80	80	6.5	—
		50	55	104	165	4.0	77	100	2.0	29.5
KF89	300	50	55	—	165	4.0	100	100	8.0	—
KF109	350	60	65	—	235	5.0	120	120	9.0	—
		80	85	184	210	5.0	134	170	13.0	45.0
KF129	450	70	75	—	336	5.0	140	140	9.0	—
		90	95	184	336	5.0	128.5	170	16.5	48.5
KF149	450	90	100	—	336	5.0	170	170	10.0	—
		100	120	214	330	5.0	169	210	10.5	50.0
KF169	550	110	120	—	427	5.0	210	210	10.0	—
		120	140	254	426	5.0	162	210	14.5	56.0
KF189	660	120	160	—	517	6.0	210	210	11.0	—
		140	160	306	518	6.0	190	250	6.0	62.0

With VLplus reinforced bearing system (G30)

KF89	300	60	70	143	218	4.0	120	120	1.5	8
KF109	350	70	85	190	234	5.0	140	140	2.0	4
KF129	450	90	95	—	336	5.0	170	170	16.5	—
KF149	450	100	120	225	336	5.0	210	210	10.5	11
KF169	550	120	140	—	426	5.0	210	210	19.5	—

Inner contour of the flange-mounted design
Notes regarding the design of the customer's interface for the hollow shaft design
BAF., KAF.


Gearbox type	a1	d	d7	d1	d2	f1	f4	l1	l2
BAF.19	120	20	30	60	68	3.0	30.0	23.5	29.5
BAF.29	120	20	40	–	70	3.0	20.0	24.0	–
		25							
	160	20	40	70	101	3.5	20.0	8.5	24.5
		25							
BAF.39	160	30	55	93	100	3.5	27.0	11.0	31.5
		35							
		40							
BAF.39	200	30	55	93	119	3.5	27.0	16.0	31.5
		35							
		40							
BAF.49	200	35	55	93	119	3.5	27.0	16.0	31.5
		40							
KAF.39	160	25	45	80	102	3.5	24.0	2.0	29.5
		30							
KAF.49	200	30	50	90	120	3.5	25.0	4.0	30.5
		35							
KAF.69	250	40	55	104	165	4.0	23.5	2.0	29.5
KAF.79	250	40	55	104	165	4.0	23.0	2.0	29.5
KAF.89	300	50	70	135	215	4.0	37.0	2.0	44.5
KAF.109	350	60	85	184	210	5.0	36.0	13.0	45.0
		70	90						
KAF.129	450	70	95	184	336	5.0	41.5	16.5	48.5
KAF.149	450	80	120	214	330	5.0	41.0	40.0	50.0
		90							
KAF.169	550	100	140	254	426	5.0	56.0	14.5	56.0
		110							
KAF.189	660	120	160	306	518	6.0	66.0	6.0	62.0
With VLplus reinforced bearing system (G30)									
KAF.89	300	50	70	143	218	4.0	0	1.5	8
KAF.109	350	60	85	190	234	5.0	0	2.0	4
KAF.129	450	70	95	–	336	5.0	0	16.5	–
KAF.149	450	90	120	225	330	5.0	0	10.5	11
KAF.169	550	100	140	–	426	5.0	0	14.5	–

SIMOGEAR geared motors

Notes

5