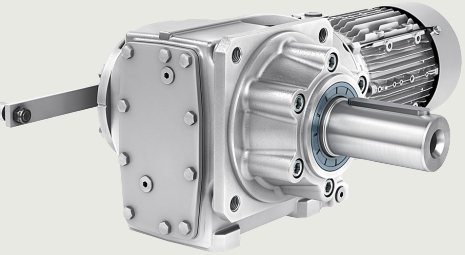

Orientation

Bevel geared motor 2-stages for light-load applications

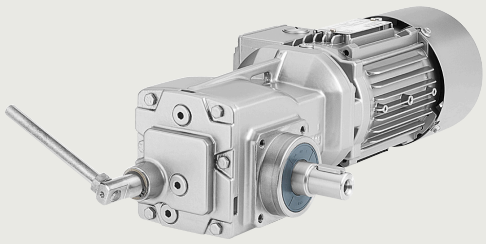

Fig. 8/1 Bevel geared motor BH

Designs	Mounting	Frame sizes	Maximum output torque T_{2N} Nm	Transmission ratio i –	Maximum motor power P_1 kW	Supported motors
• Foot-mounted design • Design with integrated housing flange	• Solid shaft design with and without feather key	BH.29 … BH.39	72 … 200	7.23 … 60.21	3	• Converter World Motor • Induction motors • Synchronous reluctance motors

Bevel geared motor 3-stages for heavy-load applications

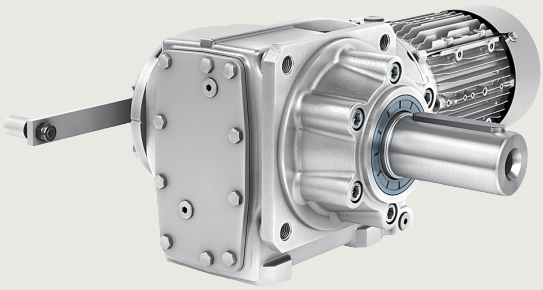

Fig. 8/2 Bevel geared motor KHF

Designs	Mounting	Frame sizes	Maximum output torque T_{2N} Nm	Transmission ratio i –	Maximum motor power P_1 kW	Supported motors
• Flange-mounted design	• Solid shaft design with and without feather key	KHF49 … KHF79	415 … 820	10.27 … 244.25	7.5	• Converter World Motor • Induction motors • Synchronous reluctance motors

Selection and ordering data

P_N	n_2	T_2	i	F_{R2} [1]	$F_{R2}90$ [1]	$F_{R2}270$ [1]	f_B	m	Article No.	Additional identification code **-Z** with order code
kW	rpm	Nm	–	N	N	N	–	kg	(Article No. supplement ➞ below)	No. of poles
0.12	**BH.29-LE63ZMH4P**									
	28	41	50.26	7500	7500	7500	2.2	11	**2KJ3803- ■ BD23- ■■ R1 -Z**	–
	31	37	44.58	7500	7500	7500	2.4	11	**2KJ3803- ■ BD23- ■■ Q1 -Z**	–
	36	32	38.68	7240	7330	7350	2.8	11	**2KJ3803- ■ BD23- ■■ P1 -Z**	–
	40	29	35.16	7030	7110	7130	3.1	11	**2KJ3803- ■ BD23- ■■ N1 -Z**	–
	46	25	30.16	6700	6760	6780	3.6	11	**2KJ3803- ■ BD23- ■■ M1 -Z**	–
	51	23	27.41	6500	6560	6580	4	11	**2KJ3803- ■ BD23- ■■ L1 -Z**	–
	58	20	24.04	6240	6290	6300	4.5	11	**2KJ3803- ■ BD23- ■■ K1 -Z**	–
	65	18	21.45	6020	6060	6070	5.1	11	**2KJ3803- ■ BD23- ■■ J1 -Z**	–
	73	16	19.12	5800	5840	5850	5.7	11	**2KJ3803- ■ BD23- ■■ H1 -Z**	–
	79	15	17.65	5650	5690	5700	6.2	11	**2KJ3803- ■ BD23- ■■ G1 -Z**	–
	90	13	15.45	5410	5450	5460	6.9	11	**2KJ3803- ■ BD23- ■■ F1 -Z**	–
	103	11	13.55	5180	5210	5220	7.5	11	**2KJ3803- ■ BD23- ■■ E1 -Z**	–
	113	10	12.29	5030	5050	5060	8	11	**2KJ3803- ■ BD23- ■■ D1 -Z**	–
	120	9.5	11.57	4930	4950	4960	8.3	11	**2KJ3803- ■ BD23- ■■ C1 -Z**	–
	136	8.4	10.2	4730	4750	4760	9	11	**2KJ3803- ■ BD23- ■■ B1 -Z**	–
	157	7.3	8.85	4520	4540	4540	9.9	11	**2KJ3803- ■ BD23- ■■ A1 -Z**	–
0.18	**BH.39-LE71ZMK6P**									
	15	117	60.21	15000	15000	15000	1.7	16	**2KJ3804- ■ CC23- ■■ T1 -Z**	**P01**
	17	101	52.26	15000	15000	15000	2	16	**2KJ3804- ■ CC23- ■■ S1 -Z**	**P01**
	19	90	46.47	15000	15000	15000	2.2	16	**2KJ3804- ■ CC23- ■■ R1 -Z**	**P01**
	BH.29-LE71ZMK6P									
	18	98	50.26	7500	7500	7500	0.92	11	**2KJ3803- ■ CC23- ■■ R1 -Z**	**P01**
	20	87	44.58	7500	7500	7500	1	11	**2KJ3803- ■ CC23- ■■ Q1 -Z**	**P01**
	23	75	38.68	7500	7500	7500	1.2	11	**2KJ3803- ■ CC23- ■■ P1 -Z**	**P01**
	25	68	35.16	7500	7500	7500	1.3	11	**2KJ3803- ■ CC23- ■■ N1 -Z**	**P01**
	BH.29-LE63ZMK4P									
	28	62	50.26	7500	7500	7500	1.5	11	**2KJ3803- ■ BE23- ■■ R1 -Z**	–
	31	55	44.58	7440	7500	7500	1.6	11	**2KJ3803- ■ BE23- ■■ Q1 -Z**	–
	36	48	38.68	7130	7250	7290	1.9	11	**2KJ3803- ■ BE23- ■■ P1 -Z**	–
	40	43	35.16	6930	7040	7070	2.1	11	**2KJ3803- ■ BE23- ■■ N1 -Z**	–
	46	37	30.16	6610	6710	6730	2.4	11	**2KJ3803- ■ BE23- ■■ M1 -Z**	–
	51	34	27.41	6420	6510	6530	2.7	11	**2KJ3803- ■ BE23- ■■ L1 -Z**	–
	58	30	24.04	6160	6240	6260	3	11	**2KJ3803- ■ BE23- ■■ K1 -Z**	–
	65	26	21.45	5950	6020	6040	3.4	11	**2KJ3803- ■ BE23- ■■ J1 -Z**	–
	73	24	19.12	5740	5800	5820	3.8	11	**2KJ3803- ■ BE23- ■■ H1 -Z**	–
	79	22	17.65	5600	5650	5670	4.2	11	**2KJ3803- ■ BE23- ■■ G1 -Z**	–
	91	19	15.45	5360	5410	5430	4.6	11	**2KJ3803- ■ BE23- ■■ F1 -Z**	–
	103	17	13.55	5150	5190	5200	5	11	**2KJ3803- ■ BE23- ■■ E1 -Z**	–
	114	15	12.29	4990	5030	5040	5.4	11	**2KJ3803- ■ BE23- ■■ D1 -Z**	–
	121	14	11.57	4890	4930	4940	5.6	11	**2KJ3803- ■ BE23- ■■ C1 -Z**	–
	137	12	10.2	4700	4730	4740	6.1	11	**2KJ3803- ■ BE23- ■■ B1 -Z**	–
	158	11	8.85	4490	4520	4530	6.6	11	**2KJ3803- ■ BE23- ■■ A1 -Z**	–
0.25	**BH.39-LE71YMS6P**									
	15	162	60.21	15000	15000	15000	1.2	18	**2KJ3804- ■ CE23- ■■ T1 -Z**	**P01**
	17	141	52.26	15000	15000	15000	1.4	18	**2KJ3804- ■ CE23- ■■ S1 -Z**	**P01**

Article No. supplement		
Shaft design	**1, 2 or 9**	see page 10/51
Frequency and voltage	**2 or 9**	see page 11/2
Gearbox mounting type	**A, F or H**	see page 10/42

[1] Values apply to BH.39 for 30 x 50 solid shaft. For conversion for 25 x 35 solid shaft, see page 2/15.

Geared motors up to 3 kW

Selection and ordering data

P_N	n_2	T_2	i	F_{R2} [1]	$F_{R2}90$ [1]	$F_{R2}270$ [1]	f_B	m	Article No.	Additional identification code **-Z** with order code
kW	rpm	Nm	–	N	N	N	–	kg	(Article No. supplement ➞ below)	No. of poles
0.25	**BH.39-LE71YMS6P**									
	19	125	46.47	15000	15000	15000	1.6	18	**2KJ3804- ■ CE23- ■■ R1 -Z**	**P01**
	22	110	40.8	15000	15000	15000	1.8	18	**2KJ3804- ■ CE23- ■■ Q1 -Z**	**P01**
	BH.39-LE71ZMK4P									
	23	103	60.21	15000	15000	15000	1.9	16	**2KJ3804- ■ CC23- ■■ T1 -Z**	–
	27	89	52.26	15000	15000	15000	2.2	16	**2KJ3804- ■ CC23- ■■ S1 -Z**	–
	30	80	46.47	15000	15000	15000	2.5	16	**2KJ3804- ■ CC23- ■■ R1 -Z**	–
	BH.29-LE71YMS6P									
	23	104	38.68	7500	7500	7500	0.86	13	**2KJ3803- ■ CE23- ■■ P1 -Z**	**P01**
	25	95	35.16	7500	7500	7500	0.95	13	**2KJ3803- ■ CE23- ■■ N1 -Z**	**P01**
	BH.29-LE71ZMK4P									
	28	86	50.26	7500	7500	7500	1	11	**2KJ3803- ■ CC23- ■■ R1 -Z**	–
	31	76	44.58	7280	7480	7500	1.2	11	**2KJ3803- ■ CC23- ■■ Q1 -Z**	–
	36	66	38.68	7000	7170	7210	1.4	11	**2KJ3803- ■ CC23- ■■ P1 -Z**	–
	40	60	35.16	6810	6960	7000	1.5	11	**2KJ3803- ■ CC23- ■■ N1 -Z**	–
	46	52	30.16	6510	6640	6680	1.7	11	**2KJ3803- ■ CC23- ■■ M1 -Z**	–
	51	47	27.41	6330	6450	6480	1.9	11	**2KJ3803- ■ CC23- ■■ L1 -Z**	–
	58	41	24.04	6080	6190	6220	2.2	11	**2KJ3803- ■ CC23- ■■ K1 -Z**	–
	65	37	21.45	5880	5970	6000	2.5	11	**2KJ3803- ■ CC23- ■■ J1 -Z**	–
	73	33	19.12	5670	5760	5780	2.8	11	**2KJ3803- ■ CC23- ■■ H1 -Z**	–
	79	30	17.65	5540	5610	5640	3	11	**2KJ3803- ■ CC23- ■■ G1 -Z**	–
	90	26	15.45	5320	5380	5400	3.3	11	**2KJ3803- ■ CC23- ■■ F1 -Z**	–
	103	23	13.55	5100	5160	5180	3.6	11	**2KJ3803- ■ CC23- ■■ E1 -Z**	–
	114	21	12.29	4950	5000	5020	3.9	11	**2KJ3803- ■ CC23- ■■ D1 -Z**	–
	121	20	11.57	4860	4910	4920	4	11	**2KJ3803- ■ CC23- ■■ C1 -Z**	–
	137	18	10.2	4670	4710	4720	4.4	11	**2KJ3803- ■ CC23- ■■ B1 -Z**	–
	158	15	8.85	4460	4500	4510	4.8	11	**2KJ3803- ■ CC23- ■■ A1 -Z**	–
0.37	**BH.39-LE80MK6P**									
	20	175	46.47	on request			1.1	21	**2KJ3804- ■ DE23- ■■ R1 -Z**	–
	BH.39-LE71YMS4P									
	23	151	60.21	15000	15000	15000	1.3	18	**2KJ3804- ■ CE23- ■■ T1 -Z**	–
	27	131	52.26	15000	15000	15000	1.5	18	**2KJ3804- ■ CE23- ■■ S1 -Z**	–
	30	116	46.47	15000	15000	15000	1.7	18	**2KJ3804- ■ CE23- ■■ R1 -Z**	–
	35	102	40.8	15000	15000	15000	2	18	**2KJ3804- ■ CE23- ■■ Q1 -Z**	–
	38	93	37.09	15000	15000	15000	2.2	18	**2KJ3804- ■ CE23- ■■ P1 -Z**	–
	44	80	31.73	15000	15000	15000	2.5	18	**2KJ3804- ■ CE23- ■■ N1 -Z**	–
	49	72	28.85	15000	15000	15000	2.8	18	**2KJ3804- ■ CE23- ■■ M1 -Z**	–
	BH.29-LE71YMS4P									
	32	112	44.58	on request			0.81	13	**2KJ3803- ■ CE23- ■■ PQ -Z**	–
	36	97	38.68	6740	6980	7040	0.93	13	**2KJ3803- ■ CE23- ■■ P1 -Z**	–
	40	88	35.16	6570	6790	6850	1	13	**2KJ3803- ■ CE23- ■■ N1 -Z**	–
	47	76	30.16	6300	6490	6540	1.2	13	**2KJ3803- ■ CE23- ■■ M1 -Z**	–
	51	69	27.41	6130	6310	6350	1.3	13	**2KJ3803- ■ CE23- ■■ L1 -Z**	–
	59	60	24.04	5910	6070	6110	1.5	13	**2KJ3803- ■ CE23- ■■ K1 -Z**	–
	66	54	21.45	5730	5860	5900	1.7	13	**2KJ3803- ■ CE23- ■■ J1 -Z**	–
	74	48	19.12	5540	5660	5690	1.9	13	**2KJ3803- ■ CE23- ■■ H1 -Z**	–

Article No. supplement		
Shaft design	**1, 2 or 9**	see page 10/51
Frequency and voltage	**2 or 9**	see page 11/2
Gearbox mounting type	**A, F or H**	see page 10/42

[1] Values apply to BH.39 for 30 x 50 solid shaft. For conversion for 25 x 35 solid shaft, see page 2/15.

Selection and ordering data

P_N	n_2	T_2	i	F_{R2} [1]	$F_{R2}90$ [1]	$F_{R2}270$ [1]	f_B	m	Article No.	Additional identification code **-Z** with order code
kW	rpm	Nm	–	N	N	N	–	kg	(Article No. supplement ➞ below)	No. of poles
0.37	**BH.29-LE71YMS4P**									
	80	44	17.65	5400	5520	5550	2	13	**2KJ3803- ■ CE23- ■■ G1 -Z**	–
	91	39	15.45	5200	5300	5320	2.3	13	**2KJ3803- ■ CE23- ■■ F1 -Z**	–
	104	34	13.55	5000	5080	5110	2.5	13	**2KJ3803- ■ CE23- ■■ E1 -Z**	–
	115	31	12.29	4850	4930	4950	2.6	13	**2KJ3803- ■ CE23- ■■ D1 -Z**	–
	122	29	11.57	4760	4840	4860	2.7	13	**2KJ3803- ■ CE23- ■■ C1 -Z**	–
	138	26	10.2	4590	4650	4670	3	13	**2KJ3803- ■ CE23- ■■ B1 -Z**	–
	159	22	8.85	4390	4440	4460	3.2	13	**2KJ3803- ■ CE23- ■■ A1 -Z**	–
0.55	**BH.39-LE80MH4P**									
	31	169	46.47	15000	15000	15000	1.2	22	**2KJ3804- ■ DC23- ■■ R1 -Z**	–
	35	149	40.8	15000	15000	15000	1.3	22	**2KJ3804- ■ DC23- ■■ Q1 -Z**	–
	39	135	37.09	15000	15000	15000	1.5	22	**2KJ3804- ■ DC23- ■■ P1 -Z**	–
	45	116	31.73	15000	15000	15000	1.7	22	**2KJ3804- ■ DC23- ■■ N1 -Z**	–
	50	105	28.85	15000	15000	15000	1.9	22	**2KJ3804- ■ DC23- ■■ M1 -Z**	–
	56	93	25.5	15000	15000	15000	2.2	22	**2KJ3804- ■ DC23- ■■ L1 -Z**	–
	62	84	23.18	15000	15000	15000	2.4	22	**2KJ3804- ■ DC23- ■■ K1 -Z**	–
	71	74	20.31	14600	14800	14900	2.7	22	**2KJ3804- ■ DC23- ■■ J1 -Z**	–
	77	68	18.74	14300	14500	14500	2.9	22	**2KJ3804- ■ DC23- ■■ H1 -Z**	–
	87	60	16.6	13800	14000	14000	3.3	22	**2KJ3804- ■ DC23- ■■ G1 -Z**	–
	BH.29-LE80MH4P									
	48	110	30.16	5960	6230	6290	0.82	17	**2KJ3803- ■ DC23- ■■ M1 -Z**	–
	53	100	27.41	5820	6070	6120	0.9	17	**2KJ3803- ■ DC23- ■■ L1 -Z**	–
	60	88	24.04	5630	5840	5890	1	17	**2KJ3803- ■ DC23- ■■ K1 -Z**	–
	67	78	21.45	5460	5660	5700	1.2	17	**2KJ3803- ■ DC23- ■■ J1 -Z**	–
	75	70	19.12	5290	5470	5510	1.3	17	**2KJ3803- ■ DC23- ■■ H1 -Z**	–
	82	64	17.65	5180	5340	5380	1.4	17	**2KJ3803- ■ DC23- ■■ G1 -Z**	–
	93	56	15.45	4990	5130	5170	1.6	17	**2KJ3803- ■ DC23- ■■ F1 -Z**	–
	106	49	13.55	4810	4930	4970	1.7	17	**2KJ3803- ■ DC23- ■■ E1 -Z**	–
	117	45	12.29	4680	4790	4820	1.8	17	**2KJ3803- ■ DC23- ■■ D1 -Z**	–
	124	42	11.57	4600	4700	4730	1.9	17	**2KJ3803- ■ DC23- ■■ C1 -Z**	–
	141	37	10.2	4430	4520	4550	2	17	**2KJ3803- ■ DC23- ■■ B1 -Z**	–
	163	32	8.85	4250	4330	4350	2.2	17	**2KJ3803- ■ DC23- ■■ A1 -Z**	–
0.75	**BH.39-LE80ZMQ4P**									
	31	230	46.47	14800	15000	15000	0.87	21	**2KJ3804- ■ DF23- ■■ R1 -Z**	–
	36	200	40.8	15000	15000	15000	0.99	21	**2KJ3804- ■ DF23- ■■ Q1 -Z**	–
	39	183	37.09	15000	15000	15000	1.1	21	**2KJ3804- ■ DF23- ■■ P1 -Z**	–
	46	157	31.73	15000	15000	15000	1.3	21	**2KJ3804- ■ DF23- ■■ N1 -Z**	–
	50	142	28.85	15000	15000	15000	1.4	21	**2KJ3804- ■ DF23- ■■ M1 -Z**	–
	57	126	25.5	15000	15000	15000	1.6	21	**2KJ3804- ■ DF23- ■■ L1 -Z**	–
	63	114	23.18	15000	15000	15000	1.7	21	**2KJ3804- ■ DF23- ■■ K1 -Z**	–
	71	100	20.31	14500	14700	14800	2	21	**2KJ3804- ■ DF23- ■■ J1 -Z**	–
	77	93	18.74	14100	14400	14400	2.2	21	**2KJ3804- ■ DF23- ■■ H1 -Z**	–
	87	82	16.6	13700	13900	13900	2.4	21	**2KJ3804- ■ DF23- ■■ G1 -Z**	–
	105	68	13.81	13000	13200	13200	2.9	21	**2KJ3804- ■ DF23- ■■ F1 -Z**	–
	112	64	13	12800	13000	13000	3.1	21	**2KJ3804- ■ DF23- ■■ E1 -Z**	–
	124	58	11.65	12400	12600	12600	3.5	21	**2KJ3804- ■ DF23- ■■ D1 -Z**	–

Article No. supplement		
Shaft design	**1, 2 or 9**	see page 10/51
Frequency and voltage	**2 or 9**	see page 11/2
Gearbox mounting type	**A, F or H**	see page 10/42

[1] Values apply to BH.39 for 30 x 50 solid shaft. For conversion for 25 x 35 solid shaft, see page 2/15.

Geared motors up to 3 kW

Selection and ordering data

P_N	n_2	T_2	i	F_{R2} [1]	$F_{R2}90$ [1]	$F_{R2}270$ [1]	f_B	m	Article No.	Additional identification code **-Z** with order code
kW	rpm	Nm	–	N	N	N	–	kg	(Article No. supplement ➞ below)	No. of poles
0.75	**BH.29-LE80ZMQ4P**									
	68	106	21.45	5260	5520	5580	0.85	16	**2KJ3803- ■ DF23- ■■ J1 -Z**	–
	76	94	19.12	5120	5350	5400	0.95	16	**2KJ3803- ■ DF23- ■■ H1 -Z**	–
	82	87	17.65	5020	5230	5280	1	16	**2KJ3803- ■ DF23- ■■ G1 -Z**	–
	94	76	15.45	4850	5040	5080	1.2	16	**2KJ3803- ■ DF23- ■■ F1 -Z**	–
	107	67	13.55	4690	4850	4890	1.3	16	**2KJ3803- ■ DF23- ■■ E1 -Z**	–
	118	61	12.29	4560	4710	4750	1.3	16	**2KJ3803- ■ DF23- ■■ D1 -Z**	–
	125	57	11.57	4490	4630	4660	1.4	16	**2KJ3803- ■ DF23- ■■ C1 -Z**	–
	142	50	10.2	4330	4460	4490	1.5	16	**2KJ3803- ■ DF23- ■■ B1 -Z**	–
	164	44	8.85	4160	4270	4300	1.6	16	**2KJ3803- ■ DF23- ■■ A1 -Z**	–
1.1	**BH.39-LE90SM4P**									
	45	230	31.73	14800	15000	15000	0.86	23	**2KJ3804- ■ EK23- ■■ N1 -Z**	–
	50	210	28.85	14900	15000	15000	0.95	23	**2KJ3804- ■ EK23- ■■ M1 -Z**	–
	56	186	25.5	15000	15000	15000	1.1	23	**2KJ3804- ■ EK23- ■■ L1 -Z**	–
	62	169	23.18	14600	15000	15000	1.2	23	**2KJ3804- ■ EK23- ■■ K1 -Z**	–
	71	148	20.31	14200	14500	14600	1.3	23	**2KJ3804- ■ EK23- ■■ J1 -Z**	–
	77	137	18.74	13900	14200	14300	1.5	23	**2KJ3804- ■ EK23- ■■ H1 -Z**	–
	87	121	16.6	13500	13700	13800	1.7	23	**2KJ3804- ■ EK23- ■■ G1 -Z**	–
	104	101	13.81	12800	13100	13100	2	23	**2KJ3804- ■ EK23- ■■ F1 -Z**	–
	111	95	13	12600	12800	12900	2.1	23	**2KJ3804- ■ EK23- ■■ E1 -Z**	–
	124	85	11.65	12300	12500	12500	2.4	23	**2KJ3804- ■ EK23- ■■ D1 -Z**	–
	145	72	9.92	11700	11900	12000	2.8	23	**2KJ3804- ■ EK23- ■■ C1 -Z**	–
	169	62	8.5	11300	11400	11400	3.2	23	**2KJ3804- ■ EK23- ■■ B1 -Z**	–
	197	53	7.32	10800	10900	11000	3.7	23	**2KJ3804- ■ EK23- ■■ A1 -Z**	–
	BH.29-LE90SM4P									
	106	99	13.55	4470	4720	4770	0.85	18	**2KJ3803- ■ EK23- ■■ E1 -Z**	–
	117	90	12.29	4370	4590	4640	0.9	18	**2KJ3803- ■ EK23- ■■ D1 -Z**	–
	124	84	11.57	4310	4520	4570	0.94	18	**2KJ3803- ■ EK23- ■■ C1 -Z**	–
	141	74	10.2	4180	4360	4410	1	18	**2KJ3803- ■ EK23- ■■ B1 -Z**	–
	163	65	8.85	4030	4190	4230	1.1	18	**2KJ3803- ■ EK23- ■■ A1 -Z**	–
1.5	**BH.39-LE90ZLR4P**									
	62	230	23.18	14200	14700	14800	0.87	26	**2KJ3804- ■ EM23- ■■ K1 -Z**	–
	71	200	20.31	13800	14200	14400	0.99	26	**2KJ3804- ■ EM23- ■■ J1 -Z**	–
	77	186	18.74	13500	13900	14000	1.1	26	**2KJ3804- ■ EM23- ■■ H1 -Z**	–
	87	165	16.6	13100	13500	13600	1.2	26	**2KJ3804- ■ EM23- ■■ G1 -Z**	–
	105	137	13.81	12600	12900	13000	1.5	26	**2KJ3804- ■ EM23- ■■ F1 -Z**	–
	111	129	13	12400	12700	12700	1.6	26	**2KJ3804- ■ EM23- ■■ E1 -Z**	–
	124	115	11.65	12000	12300	12400	1.7	26	**2KJ3804- ■ EM23- ■■ D1 -Z**	–
	146	98	9.92	11500	11800	11800	2	26	**2KJ3804- ■ EM23- ■■ C1 -Z**	–
	170	84	8.5	11100	11300	11300	2.4	26	**2KJ3804- ■ EM23- ■■ B1 -Z**	–
	197	73	7.32	10600	10800	10900	2.8	26	**2KJ3804- ■ EM23- ■■ A1 -Z**	–
	BH.29-LE90ZLR4P									
	163	88	8.85	3860	4080	4120	0.82	21	**2KJ3803- ■ EM23- ■■ A1 -Z**	–
2.2	**BH.39-LE100ZLSA4P**									
	88	235	16.6	12600	13100	13200	0.84	41	**2KJ3804- ■ FN23- ■■ G1 -Z**	–
	106	198	13.81	12100	12500	12600	1	41	**2KJ3804- ■ FN23- ■■ F1 -Z**	–

Article No. supplement		
Shaft design	**1, 2 or 9**	see page 10/51
Frequency and voltage	**2 or 9**	see page 11/2
Gearbox mounting type	**A, F or H**	see page 10/42

[1] Values apply to BH.39 for 30 x 50 solid shaft. For conversion for 25 x 35 solid shaft, see page 2/15.

Selection and ordering data

P_N	n_2	T_2	i	F_{R2} [1]	$F_{R2}90$ [1]	$F_{R2}270$ [1]	f_B	m	Article No.	Additional identification code **-Z** with order code
kW	rpm	Nm	–	N	N	N	–	kg	(Article No. supplement ➞ below)	No. of poles
2.2	**BH.39-LE100ZLSA4P**									
	113	186	13	11900	12300	12400	1.1	41	**2KJ3804- ■ FN23- ■■ E1 -Z**	–
	126	167	11.65	11600	12000	12100	1.2	41	**2KJ3804- ■ FN23- ■■ D1 -Z**	–
	148	142	9.92	11200	11500	11600	1.4	41	**2KJ3804- ■ FN23- ■■ C1 -Z**	–
	172	122	8.5	10800	11100	11100	1.6	41	**2KJ3804- ■ FN23- ■■ B1 -Z**	–
	200	105	7.32	10400	10600	10700	1.9	41	**2KJ3804- ■ FN23- ■■ A1 -Z**	–
3	**BH.39-LE100ZLSB4P**									
	125	225	11.65	11200	11700	11800	0.87	41	**2KJ3804- ■ FP23- ■■ D1 -Z**	–
	147	195	9.92	10800	11300	11400	1	41	**2KJ3804- ■ FP23- ■■ C1 -Z**	–
	172	167	8.5	10500	10900	10900	1.2	41	**2KJ3804- ■ FP23- ■■ B1 -Z**	–
	199	144	7.32	10100	10400	10500	1.4	41	**2KJ3804- ■ FP23- ■■ A1 -Z**	–

Article No. supplement		
Shaft design	**1, 2 or 9**	see page 10/51
Frequency and voltage	**2 or 9**	see page 11/2
Gearbox mounting type	**A, F or H**	see page 10/42

[1] Values apply to BH.39 for 30 x 50 solid shaft. For conversion for 25 x 35 solid shaft, see page 2/15.

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Geared motors up to 7.5 kW

Selection and ordering data

P_N	n_2	T_2	i	F_{R2}	$F_{R2}90$	$F_{R2}270$	f_B	m	Article No.	Additional identification code **-Z** with order code
kW	rpm	Nm	–	N	N	N	–	kg	(Article No. supplement ➞ below)	No. of poles
0.18	**KH.79-LE71ZMK6P**									
	3.6	470	244.25	on request			1.7	52	**2KJ3808- ■ CC23- ■■ E2 -Z**	**P01**
	4	430	222.05	on request			1.9	52	**2KJ3808- ■ CC23- ■■ D2 -Z**	**P01**
	KH.69-LE71ZMK6P									
	4.5	380	196.59	on request			1.6	45	**2KJ3807- ■ CC23- ■■ C2 -Z**	**P01**
	5	345	178.72	on request			1.7	45	**2KJ3807- ■ CC23- ■■ B2 -Z**	**P01**
	5.8	295	152	on request			2	45	**2KJ3807- ■ CC23- ■■ A2 -Z**	**P01**
	KH.49-LE71ZMK6P									
	4.4	385	200.25	on request			1.1	22	**2KJ3806- ■ CC23- ■■ C2 -Z**	**P01**
	5	345	178.06	on request			1.2	22	**2KJ3806- ■ CC23- ■■ B2 -Z**	**P01**
	5.7	300	156.34	on request			1.4	22	**2KJ3806- ■ CC23- ■■ A2 -Z**	**P01**
	6.2	275	142.13	on request			1.5	22	**2KJ3806- ■ CC23- ■■ X1 -Z**	**P01**
	KH.49-LE63ZMK4P									
	7	245	200.25	on request			1.7	22	**2KJ3806- ■ BE23- ■■ C2 -Z**	–
	7.9	215	178.06	on request			1.9	22	**2KJ3806- ■ BE23- ■■ B2 -Z**	–
0.25	**KH.79-LE71YMS6P**									
	3.6	655	244.25	on request			1.2	54	**2KJ3808- ■ CE23- ■■ E2 -Z**	**P01**
	4	595	222.05	on request			1.4	54	**2KJ3808- ■ CE23- ■■ D2 -Z**	**P01**
	4.7	505	188.85	on request			1.6	54	**2KJ3808- ■ CE23- ■■ C2 -Z**	**P01**
	5.2	460	171.69	on request			1.8	54	**2KJ3808- ■ CE23- ■■ B2 -Z**	**P01**
	KH.79-LE71ZMK4P									
	5.7	415	244.25	on request			2	52	**2KJ3808- ■ CC23- ■■ E2 -Z**	–
	KH.69-LE71YMS6P									
	4.5	530	196.59	on request			1.1	47	**2KJ3807- ■ CE23- ■■ C2 -Z**	**P01**
	5	480	178.72	on request			1.2	47	**2KJ3807- ■ CE23- ■■ B2 -Z**	**P01**
	5.8	410	152	on request			1.5	47	**2KJ3807- ■ CE23- ■■ A2 -Z**	**P01**
	6.4	370	138.18	on request			1.6	47	**2KJ3807- ■ CE23- ■■ X1 -Z**	**P01**
	KH.69-LE71ZMK4P									
	7.1	335	196.59	on request			1.8	45	**2KJ3807- ■ CC23- ■■ C2 -Z**	–
	7.8	305	178.72	on request			2	45	**2KJ3807- ■ CC23- ■■ B2 -Z**	–
	KH.49-LE71YMS6P									
	5	480	178.06	on request			0.87	24	**2KJ3806- ■ CE23- ■■ B2 -Z**	**P01**
	5.7	420	156.34	on request			1	24	**2KJ3806- ■ CE23- ■■ A2 -Z**	**P01**
	6.2	380	142.13	on request			1.1	24	**2KJ3806- ■ CE23- ■■ X1 -Z**	**P01**
	KH.49-LE71ZMK4P									
	7	340	200.25	on request			1.2	22	**2KJ3806- ■ CC23- ■■ C2 -Z**	–
	7.8	305	178.06	on request			1.4	22	**2KJ3806- ■ CC23- ■■ B2 -Z**	–
	8.9	265	156.34	on request			1.6	22	**2KJ3806- ■ CC23- ■■ A2 -Z**	–
	9.8	240	142.13	on request			1.7	22	**2KJ3806- ■ CC23- ■■ X1 -Z**	–
	11	205	121.6	on request			2	22	**2KJ3806- ■ CC23- ■■ W1 -Z**	–
	13	189	110.55	on request			2.2	22	**2KJ3806- ■ CC23- ■■ V1 -Z**	–
0.37	**KH.79-LE80MK6P**									
	3.8	915	244.25	on request			0.89	57	**2KJ3808- ■ DE23- ■■ E2 -Z**	**P01**
	4.2	835	222.05	on request			0.98	57	**2KJ3808- ■ DE23- ■■ D2 -Z**	**P01**
	5	710	188.85	on request			1.2	57	**2KJ3808- ■ DE23- ■■ C2 -Z**	**P01**
	5.5	645	171.69	on request			1.3	57	**2KJ3808- ■ DE23- ■■ B2 -Z**	**P01**

Article No. supplement		
Shaft design	**1, 2 or 9**	see page 10/51
Frequency and voltage	**2 or 9**	see page 11/2
Gearbox mounting type	**A, F or H**	see page 10/42

Selection and ordering data

P_N	n_2	T_2	i	F_{R2}	$F_{R2}90$	$F_{R2}270$	f_B	m	Article No.	Additional identification code **-Z** with order code
kW	rpm	Nm	–	N	N	N	–	kg	(Article No. supplement ➞ below)	No. of poles
0.37	**KH.79-LE71YMS4P**									
	5.8	610	244.25	on request			1.3	54	**2KJ3808- ■ CE23- ■■ E2 -Z**	–
	6.3	555	222.05	on request			1.5	54	**2KJ3808- ■ CE23- ■■ D2 -Z**	–
	7.5	470	188.85	on request			1.7	54	**2KJ3808- ■ CE23- ■■ C2 -Z**	–
	8.2	430	171.69	on request			1.9	54	**2KJ3808- ■ CE23- ■■ B2 -Z**	–
	9.2	380	153.18	on request			2.1	54	**2KJ3808- ■ CE23- ■■ A2 -Z**	–
	KH.69-LE80MK6P									
	4.8	735	196.59	on request			0.81	50	**2KJ3807- ■ DE23- ■■ C2 -Z**	**P01**
	5.3	670	178.72	on request			0.89	50	**2KJ3807- ■ DE23- ■■ B2 -Z**	**P01**
	6.2	570	152	on request			1.1	50	**2KJ3807- ■ DE23- ■■ A2 -Z**	**P01**
	6.8	515	138.18	on request			1.2	50	**2KJ3807- ■ DE23- ■■ X1 -Z**	**P01**
	KH.69-LE71YMS4P									
	7.2	490	196.59	on request			1.2	47	**2KJ3807- ■ CE23- ■■ C2 -Z**	–
	7.9	445	178.72	on request			1.3	47	**2KJ3807- ■ CE23- ■■ B2 -Z**	–
	9.3	380	152	on request			1.6	47	**2KJ3807- ■ CE23- ■■ A2 -Z**	–
	10	345	138.18	on request			1.7	47	**2KJ3807- ■ CE23- ■■ X1 -Z**	–
	11	305	123.29	on request			1.9	47	**2KJ3807- ■ CE23- ■■ W1 -Z**	–
	13	275	110.55	on request			2.2	47	**2KJ3807- ■ CE23- ■■ V1 -Z**	–
	KH.49-LE71YMS4P									
	7	500	200.25	on request			0.84	24	**2KJ3806- ■ CE23- ■■ C2 -Z**	–
	7.9	445	178.06	on request			0.94	24	**2KJ3806- ■ CE23- ■■ B2 -Z**	–
	9	390	156.34	on request			1.1	24	**2KJ3806- ■ CE23- ■■ A2 -Z**	–
	9.9	355	142.13	on request			1.2	24	**2KJ3806- ■ CE23- ■■ X1 -Z**	–
	12	305	121.6	18500	18500	18500	1.4	24	**2KJ3806- ■ CE23- ■■ W1 -Z**	–
	13	275	110.55	18500	18500	18500	1.5	24	**2KJ3806- ■ CE23- ■■ V1 -Z**	–
	14	245	97.71	18500	18500	18500	1.7	24	**2KJ3806- ■ CE23- ■■ U1 -Z**	–
	16	220	88.83	18500	18500	18500	1.9	24	**2KJ3806- ■ CE23- ■■ T1 -Z**	–
	18	195	77.81	18500	18500	18500	2.2	24	**2KJ3806- ■ CE23- ■■ S1 -Z**	–
	20	180	71.82	18500	18500	18500	2.3	24	**2KJ3806- ■ CE23- ■■ R1 -Z**	–
0.55	**KH.79-LE80ZMQ6P**									
	5.4	960	171.69	on request			0.85	57	**2KJ3808- ■ DF23- ■■ B2 -Z**	**P01**
	KH.79-LE80MH4P									
	5.9	890	244.25	on request			0.92	58	**2KJ3808- ■ DC23- ■■ E2 -Z**	–
	6.5	810	222.05	on request			1	58	**2KJ3808- ■ DC23- ■■ D2 -Z**	–
	7.6	685	188.85	on request			1.2	58	**2KJ3808- ■ DC23- ■■ C2 -Z**	–
	8.4	625	171.69	on request			1.3	58	**2KJ3808- ■ DC23- ■■ B2 -Z**	–
	9.4	555	153.18	on request			1.5	58	**2KJ3808- ■ DC23- ■■ A2 -Z**	–
	10	500	137.35	40000	40000	40000	1.6	58	**2KJ3808- ■ DC23- ■■ W1 -Z**	–
	12	450	123.8	40000	40000	40000	1.8	58	**2KJ3808- ■ DC23- ■■ V1 -Z**	–
	13	415	114.28	40000	40000	40000	2	58	**2KJ3808- ■ DC23- ■■ U1 -Z**	–
	14	380	104.32	40000	40000	40000	2.2	58	**2KJ3808- ■ DC23- ■■ T1 -Z**	–
	KH.69-LE80MH4P									
	7.3	715	196.59	on request			0.84	51	**2KJ3807- ■ DC23- ■■ C2 -Z**	–
	8.1	650	178.72	on request			0.92	51	**2KJ3807- ■ DC23- ■■ B2 -Z**	–
	9.5	550	152	on request			1.1	51	**2KJ3807- ■ DC23- ■■ A2 -Z**	–
	10	500	138.18	25000	25000	25000	1.2	51	**2KJ3807- ■ DC23- ■■ X1 -Z**	–
	12	450	123.29	25000	25000	25000	1.3	51	**2KJ3807- ■ DC23- ■■ W1 -Z**	–

Article No. supplement		
Shaft design	**1, 2 or 9**	see page 10/51
Frequency and voltage	**2 or 9**	see page 11/2
Gearbox mounting type	**A, F or H**	see page 10/42

Geared motors up to 7.5 kW

Selection and ordering data

P_N	n_2	T_2	i	F_{R2}	$F_{R2}90$	$F_{R2}270$	f_B	m	Article No.	Additional identification code **-Z** with order code
kW	rpm	Nm	–	N	N	N	–	kg	(Article No. supplement ➞ below)	No. of poles
0.55	**KH.69-LE80MH4P**									
	13	400	110.55	25000	25000	25000	1.5	51	**2KJ3807- ■ DC23- ■■ V1 -Z**	–
	14	360	99.64	25000	25000	25000	1.7	51	**2KJ3807- ■ DC23- ■■ U1 -Z**	–
	16	335	91.98	25000	25000	25000	1.8	51	**2KJ3807- ■ DC23- ■■ T1 -Z**	–
	17	305	83.96	25000	25000	25000	2	51	**2KJ3807- ■ DC23- ■■ S1 -Z**	–
	21	250	69.67	25000	25000	25000	2.4	51	**2KJ3807- ■ DC23- ■■ R1 -Z**	–
	KH.49-LE80MH4P									
	10	515	142.13	17900	18300	18500	0.81	29	**2KJ3806- ■ DC23- ■■ X1 -Z**	–
	12	440	121.6	18500	18500	18500	0.95	29	**2KJ3806- ■ DC23- ■■ W1 -Z**	–
	13	400	110.55	18500	18500	18500	1	29	**2KJ3806- ■ DC23- ■■ V1 -Z**	–
	15	355	97.71	18500	18500	18500	1.2	29	**2KJ3806- ■ DC23- ■■ U1 -Z**	–
	16	320	88.83	18500	18500	18500	1.3	29	**2KJ3806- ■ DC23- ■■ T1 -Z**	–
	19	280	77.81	18500	18500	18500	1.5	29	**2KJ3806- ■ DC23- ■■ S1 -Z**	–
	20	260	71.82	18500	18500	18500	1.6	29	**2KJ3806- ■ DC23- ■■ R1 -Z**	–
	23	230	63.59	18500	18500	18500	1.8	29	**2KJ3806- ■ DC23- ■■ Q1 -Z**	–
	27	193	52.93	18500	18500	18500	2.2	29	**2KJ3806- ■ DC23- ■■ P1 -Z**	–
	29	182	49.82	18500	18500	18500	2.3	29	**2KJ3806- ■ DC23- ■■ N1 -Z**	–
0.75	**KH.79-LE80ZMQ4P**									
	7.7	930	188.85	on request			0.88	57	**2KJ3808- ■ DF23- ■■ C2 -Z**	–
	8.4	845	171.69	on request			0.97	57	**2KJ3808- ■ DF23- ■■ B2 -Z**	–
	9.5	755	153.18	on request			1.1	57	**2KJ3808- ■ DF23- ■■ A2 -Z**	–
	11	675	137.35	39400	40000	40000	1.2	57	**2KJ3808- ■ DF23- ■■ W1 -Z**	–
	12	610	123.8	40000	40000	40000	1.3	57	**2KJ3808- ■ DF23- ■■ V1 -Z**	–
	13	560	114.28	40000	40000	40000	1.5	57	**2KJ3808- ■ DF23- ■■ U1 -Z**	–
	14	515	104.32	40000	40000	40000	1.6	57	**2KJ3808- ■ DF23- ■■ T1 -Z**	–
	17	425	86.56	40000	40000	40000	1.9	57	**2KJ3808- ■ DF23- ■■ S1 -Z**	–
	18	400	81.47	40000	40000	40000	2	57	**2KJ3808- ■ DF23- ■■ R1 -Z**	–
	19	380	76.94	40000	40000	40000	2.2	57	**2KJ3808- ■ DF23- ■■ Q1 -Z**	–
	KH.69-LE80ZMQ4P									
	9.5	750	152	on request			0.8	50	**2KJ3807- ■ DF23- ■■ A2 -Z**	–
	10	680	138.18	25000	25000	25000	0.88	50	**2KJ3807- ■ DF23- ■■ X1 -Z**	–
	12	605	123.29	25000	25000	25000	0.99	50	**2KJ3807- ■ DF23- ■■ W1 -Z**	–
	13	545	110.55	25000	25000	25000	1.1	50	**2KJ3807- ■ DF23- ■■ V1 -Z**	–
	15	490	99.64	25000	25000	25000	1.2	50	**2KJ3807- ■ DF23- ■■ U1 -Z**	–
	16	450	91.98	25000	25000	25000	1.3	50	**2KJ3807- ■ DF23- ■■ T1 -Z**	–
	17	415	83.96	25000	25000	25000	1.4	50	**2KJ3807- ■ DF23- ■■ S1 -Z**	–
	21	340	69.67	25000	25000	25000	1.7	50	**2KJ3807- ■ DF23- ■■ R1 -Z**	–
	22	320	65.57	25000	25000	25000	1.9	50	**2KJ3807- ■ DF23- ■■ Q1 -Z**	–
	23	305	61.93	25000	25000	25000	2	50	**2KJ3807- ■ DF23- ■■ P1 -Z**	–
	28	260	52.69	25000	25000	25000	2.3	50	**2KJ3807- ■ DF23- ■■ N1 -Z**	–
	KH.49-LE80ZMQ4P									
	15	480	97.71	18300	18500	18500	0.87	28	**2KJ3806- ■ DF23- ■■ U1 -Z**	–
	16	435	88.83	18500	18500	18500	0.96	28	**2KJ3806- ■ DF23- ■■ T1 -Z**	–
	19	380	77.81	18500	18500	18500	1.1	28	**2KJ3806- ■ DF23- ■■ S1 -Z**	–
	20	355	71.82	18500	18500	18500	1.2	28	**2KJ3806- ■ DF23- ■■ R1 -Z**	–
	23	310	63.59	18500	18500	18500	1.3	28	**2KJ3806- ■ DF23- ■■ Q1 -Z**	–

Article No. supplement		
Shaft design	**1, 2 or 9**	see page 10/51
Frequency and voltage	**2 or 9**	see page 11/2
Gearbox mounting type	**A, F or H**	see page 10/42

Selection and ordering data

P_N	n_2	T_2	i	F_{R2}	$F_{R2}90$	$F_{R2}270$	f_B	m	Article No.	Additional identification code **-Z** with order code
kW	rpm	Nm	–	N	N	N	–	kg	(Article No. supplement ➞ below)	No. of poles
0.75	**KH.49-LE80ZMQ4P**									
	27	260	52.93	18500	18500	18500	1.6	28	**2KJ3806- ■ DF23- ■■ P1 -Z**	–
	29	245	49.82	18500	18500	18500	1.7	28	**2KJ3806- ■ DF23- ■■ N1 -Z**	–
	32	220	44.63	18500	18500	18500	1.9	28	**2KJ3806- ■ DF23- ■■ M1 -Z**	–
	38	188	38	18500	18500	18500	2.2	28	**2KJ3806- ■ DF23- ■■ L1 -Z**	–
	45	161	32.57	18500	18500	18500	2.6	28	**2KJ3806- ■ DF23- ■■ K1 -Z**	–
1.1	**KH.79-LE90SM4P**									
	10	1000	137.35	31600	38000	40000	0.81	58	**2KJ3808- ■ EK23- ■■ W1 -Z**	–
	12	900	114.28	35600	40000	40000	0.97	58	**2KJ3808- ■ EK23- ■■ V1 -Z**	–
	13	830	123.8	34000	40000	40000	0.9	58	**2KJ3808- ■ EK23- ■■ U1 -Z**	–
	14	760	104.32	37400	40000	40000	1.1	58	**2KJ3808- ■ EK23- ■■ T1 -Z**	–
	17	630	86.56	40000	40000	40000	1.3	58	**2KJ3808- ■ EK23- ■■ S1 -Z**	–
	18	590	81.47	40000	40000	40000	1.4	58	**2KJ3808- ■ EK23- ■■ R1 -Z**	–
	19	560	76.94	40000	40000	40000	1.4	58	**2KJ3808- ■ EK23- ■■ Q1 -Z**	–
	22	475	65.47	40000	40000	40000	1.7	58	**2KJ3808- ■ EK23- ■■ P1 -Z**	–
	26	405	56.08	40000	40000	40000	2	58	**2KJ3808- ■ EK23- ■■ N1 -Z**	–
	29	360	49.31	40000	40000	40000	2.3	58	**2KJ3808- ■ EK23- ■■ M1 -Z**	–
	35	300	41.6	40000	40000	40000	2.6	58	**2KJ3808- ■ EK23- ■■ L1 -Z**	–
	KH.69-LE90SM4P									
	14	725	99.64	24400	25000	25000	0.83	51	**2KJ3807- ■ EK23- ■■ U1 -Z**	–
	16	670	91.98	25000	25000	25000	0.89	51	**2KJ3807- ■ EK23- ■■ T1 -Z**	–
	17	610	83.96	25000	25000	25000	0.98	51	**2KJ3807- ■ EK23- ■■ S1 -Z**	–
	21	505	69.67	25000	25000	25000	1.2	51	**2KJ3807- ■ EK23- ■■ R1 -Z**	–
	22	475	65.57	25000	25000	25000	1.3	51	**2KJ3807- ■ EK23- ■■ Q1 -Z**	–
	23	450	61.93	25000	25000	25000	1.3	51	**2KJ3807- ■ EK23- ■■ P1 -Z**	–
	27	380	52.69	25000	25000	25000	1.6	51	**2KJ3807- ■ EK23- ■■ N1 -Z**	–
	32	325	45.14	25000	25000	25000	1.8	51	**2KJ3807- ■ EK23- ■■ M1 -Z**	–
	36	290	39.69	25000	25000	25000	2.1	51	**2KJ3807- ■ EK23- ■■ L1 -Z**	–
	43	240	33.48	25000	25000	25000	2.4	51	**2KJ3807- ■ EK23- ■■ K1 -Z**	–
	49	210	29.18	25000	25000	25000	2.6	51	**2KJ3807- ■ EK23- ■■ J1 -Z**	–
	KH.49-LE90SM4P									
	23	460	63.59	18500	18500	18500	0.91	28	**2KJ3806- ■ EK23- ■■ Q1 -Z**	–
	27	385	52.93	18500	18500	18500	1.1	28	**2KJ3806- ■ EK23- ■■ P1 -Z**	–
	29	360	49.82	18500	18500	18500	1.2	28	**2KJ3806- ■ EK23- ■■ N1 -Z**	–
	32	325	44.63	18500	18500	18500	1.3	28	**2KJ3806- ■ EK23- ■■ M1 -Z**	–
	38	275	38	18500	18500	18500	1.5	28	**2KJ3806- ■ EK23- ■■ L1 -Z**	–
	44	235	32.57	18500	18500	18500	1.8	28	**2KJ3806- ■ EK23- ■■ K1 -Z**	–
	51	205	28.05	18500	18500	18500	2.1	28	**2KJ3806- ■ EK23- ■■ J1 -Z**	–
	55	192	26.3	18500	18500	18500	2.2	28	**2KJ3806- ■ EK23- ■■ H1 -Z**	–
	62	170	23.28	18500	18500	18500	2.5	28	**2KJ3806- ■ EK23- ■■ G1 -Z**	–
	74	141	19.38	18500	18500	18500	3	28	**2KJ3806- ■ EK23- ■■ F1 -Z**	–
	79	133	18.24	18500	18500	18500	3.2	28	**2KJ3806- ■ EK23- ■■ E1 -Z**	–
1.5	**KH.79-LE90ZLR4P**									
	17	855	86.56	35200	40000	40000	0.96	61	**2KJ3808- ■ EM23- ■■ S1 -Z**	–
	18	805	81.47	36400	40000	40000	1	61	**2KJ3808- ■ EM23- ■■ R1 -Z**	–
	19	760	76.94	37400	40000	40000	1.1	61	**2KJ3808- ■ EM23- ■■ Q1 -Z**	–
	22	645	65.47	40000	40000	40000	1.3	61	**2KJ3808- ■ EM23- ■■ P1 -Z**	–

Article No. supplement		
Shaft design	**1, 2 or 9**	see page 10/51
Frequency and voltage	**2 or 9**	see page 11/2
Gearbox mounting type	**A, F or H**	see page 10/42

Geared motors up to 7.5 kW

Selection and ordering data

P_N	n_2	T_2	i	F_{R2}	$F_{R2}90$	$F_{R2}270$	f_B	m	Article No.	Additional identification code **-Z** with order code
kW	rpm	Nm	–	N	N	N	–	kg	(Article No. supplement ➞ below)	No. of poles
1.5	**KH.79-LE90ZLR4P**									
	26	555	56.08	40000	40000	40000	1.5	61	**2KJ3808- ■ EM23- ■■ N1 -Z**	–
	29	485	49.31	40000	40000	40000	1.7	61	**2KJ3808- ■ EM23- ■■ M1 -Z**	–
	35	410	41.6	40000	40000	40000	1.9	61	**2KJ3808- ■ EM23- ■■ L1 -Z**	–
	40	355	36.26	40000	40000	40000	2.1	61	**2KJ3808- ■ EM23- ■■ K1 -Z**	–
	44	325	32.78	39400	40000	39600	2.5	61	**2KJ3808- ■ EM23- ■■ J1 -Z**	–
	KH.69-LE90ZLR4P									
	21	690	69.67	24900	25000	25000	0.87	54	**2KJ3807- ■ EM23- ■■ R1 -Z**	–
	22	650	65.57	25000	25000	25000	0.92	54	**2KJ3807- ■ EM23- ■■ Q1 -Z**	–
	23	610	61.93	25000	25000	25000	0.98	54	**2KJ3807- ■ EM23- ■■ P1 -Z**	–
	27	520	52.69	25000	25000	25000	1.1	54	**2KJ3807- ■ EM23- ■■ N1 -Z**	–
	32	445	45.14	25000	25000	25000	1.3	54	**2KJ3807- ■ EM23- ■■ M1 -Z**	–
	36	390	39.69	25000	25000	25000	1.5	54	**2KJ3807- ■ EM23- ■■ L1 -Z**	–
	43	330	33.48	25000	25000	25000	1.7	54	**2KJ3807- ■ EM23- ■■ K1 -Z**	–
	50	285	29.18	25000	25000	25000	1.9	54	**2KJ3807- ■ EM23- ■■ J1 -Z**	–
	55	255	26.05	25000	25000	25000	2.3	54	**2KJ3807- ■ EM23- ■■ H1 -Z**	–
	59	240	24.52	25000	25000	25000	2.4	54	**2KJ3807- ■ EM23- ■■ G1 -Z**	–
	62	225	23.15	25000	25000	25000	2.5	54	**2KJ3807- ■ EM23- ■■ F1 -Z**	–
	73	195	19.7	25000	25000	25000	2.8	54	**2KJ3807- ■ EM23- ■■ E1 -Z**	–
	86	167	16.88	25000	25000	25000	3.2	54	**2KJ3807- ■ EM23- ■■ D1 -Z**	–
	97	147	14.84	24800	25000	24900	3.5	54	**2KJ3807- ■ EM23- ■■ C1 -Z**	–
	KH.49-LE90ZLR4P									
	27	525	52.93	on request			0.8	31	**2KJ3806- ■ EM23- ■■ P1 -Z**	–
	29	490	49.82	18300	18500	18500	0.85	31	**2KJ3806- ■ EM23- ■■ N1 -Z**	–
	32	440	44.63	18500	18500	18500	0.95	31	**2KJ3806- ■ EM23- ■■ M1 -Z**	–
	38	375	38	18500	18500	18500	1.1	31	**2KJ3806- ■ EM23- ■■ L1 -Z**	–
	44	320	32.57	18500	18500	18500	1.3	31	**2KJ3806- ■ EM23- ■■ K1 -Z**	–
	52	275	28.05	18500	18500	18500	1.5	31	**2KJ3806- ■ EM23- ■■ J1 -Z**	–
	55	260	26.3	18500	18500	18500	1.6	31	**2KJ3806- ■ EM23- ■■ H1 -Z**	–
	62	230	23.28	18500	18500	18500	1.8	31	**2KJ3806- ■ EM23- ■■ G1 -Z**	–
	75	192	19.38	18500	18500	18500	2.2	31	**2KJ3806- ■ EM23- ■■ F1 -Z**	–
	79	181	18.24	18500	18500	18500	2.3	31	**2KJ3806- ■ EM23- ■■ E1 -Z**	–
	88	162	16.34	18500	18500	18500	2.6	31	**2KJ3806- ■ EM23- ■■ D1 -Z**	–
	104	138	13.91	17900	18300	18000	3	31	**2KJ3806- ■ EM23- ■■ C1 -Z**	–
	121	118	11.93	17200	17500	17200	3.6	31	**2KJ3806- ■ EM23- ■■ B1 -Z**	–
2.2	**KH.79-LE100ZLSA4P**									
	22	935	65.47	33200	39300	40000	0.87	78	**2KJ3808- ■ FN23- ■■ P1 -Z**	–
	26	800	56.08	36400	40000	40000	1	78	**2KJ3808- ■ FN23- ■■ N1 -Z**	–
	30	705	49.31	38700	40000	40000	1.2	78	**2KJ3808- ■ FN23- ■■ M1 -Z**	–
	35	595	41.6	40000	40000	40000	1.3	78	**2KJ3808- ■ FN23- ■■ L1 -Z**	–
	40	520	36.26	39700	40000	39900	1.5	78	**2KJ3808- ■ FN23- ■■ K1 -Z**	–
	45	470	32.78	38700	39900	38900	1.7	78	**2KJ3808- ■ FN23- ■■ J1 -Z**	–
	53	390	27.2	36800	37800	37000	2.1	78	**2KJ3808- ■ FN23- ■■ H1 -Z**	–
	57	365	25.6	36200	37100	36300	2.1	78	**2KJ3808- ■ FN23- ■■ G1 -Z**	–
	61	345	24.17	35600	36500	35800	2.2	78	**2KJ3808- ■ FN23- ■■ F1 -Z**	–
	71	295	20.57	34100	34900	34200	2.5	78	**2KJ3808- ■ FN23- ■■ E1 -Z**	–

Article No. supplement		
Shaft design	**1, 2 or 9**	see page 10/51
Frequency and voltage	**2 or 9**	see page 11/2
Gearbox mounting type	**A, F or H**	see page 10/42

Selection and ordering data

P_N	n_2	T_2	i	F_{R2}	$F_{R2}90$	$F_{R2}270$	f_B	m	Article No.	Additional identification code **-Z** with order code
kW	rpm	Nm	–	N	N	N	–	kg	(Article No. supplement ➞ below)	No. of poles
2.2	**KH.79-LE100ZLSA4P**									
	83	250	17.62	32700	33300	32800	2.8	78	**2KJ3808- ■ FN23- ■■ D1 -Z**	–
	95	220	15.49	31500	32100	31600	3.1	78	**2KJ3808- ■ FN23- ■■ C1 -Z**	–
	112	187	13.07	30000	30500	30100	3.5	78	**2KJ3808- ■ FN23- ■■ B1 -Z**	–
	KH.69-LE100ZLSA4P									
	32	645	45.14	25000	25000	25000	0.93	71	**2KJ3807- ■ FN23- ■■ M1 -Z**	–
	37	565	39.69	25000	25000	25000	1.1	71	**2KJ3807- ■ FN23- ■■ L1 -Z**	–
	44	480	33.48	25000	25000	25000	1.2	71	**2KJ3807- ■ FN23- ■■ K1 -Z**	–
	50	415	29.18	25000	25000	25000	1.3	71	**2KJ3807- ■ FN23- ■■ J1 -Z**	–
	56	370	26.05	25000	25000	25000	1.6	71	**2KJ3807- ■ FN23- ■■ H1 -Z**	–
	60	350	24.52	25000	25000	25000	1.7	71	**2KJ3807- ■ FN23- ■■ G1 -Z**	–
	63	330	23.15	25000	25000	25000	1.8	71	**2KJ3807- ■ FN23- ■■ F1 -Z**	–
	74	280	19.7	25000	25000	25000	2	71	**2KJ3807- ■ FN23- ■■ E1 -Z**	–
	87	240	16.88	25000	25000	25000	2.2	71	**2KJ3807- ■ FN23- ■■ D1 -Z**	–
	99	210	14.84	24400	25000	24500	2.4	71	**2KJ3807- ■ FN23- ■■ C1 -Z**	–
	117	180	12.52	23300	23800	23400	2.7	71	**2KJ3807- ■ FN23- ■■ B1 -Z**	–
	134	156	10.91	22400	22900	22500	3	71	**2KJ3807- ■ FN23- ■■ A1 -Z**	–
	KH.49-LE100ZLSA4P									
	45	465	32.57	18500	18500	18500	0.9	49	**2KJ3806- ■ FN23- ■■ K1 -Z**	–
	52	400	28.05	18500	18500	18500	1	49	**2KJ3806- ■ FN23- ■■ J1 -Z**	–
	55	375	26.3	18500	18500	18500	1.1	49	**2KJ3806- ■ FN23- ■■ H1 -Z**	–
	62	330	23.28	18500	18500	18500	1.3	49	**2KJ3806- ■ FN23- ■■ G1 -Z**	–
	75	275	19.38	18500	18500	18500	1.5	49	**2KJ3806- ■ FN23- ■■ F1 -Z**	–
	80	260	18.24	18500	18500	18500	1.6	49	**2KJ3806- ■ FN23- ■■ E1 -Z**	–
	89	230	16.34	18200	18500	18300	1.8	49	**2KJ3806- ■ FN23- ■■ D1 -Z**	–
	105	199	13.91	17500	18100	17600	2.1	49	**2KJ3806- ■ FN23- ■■ C1 -Z**	–
	122	171	11.93	16800	17300	16900	2.5	49	**2KJ3806- ■ FN23- ■■ B1 -Z**	–
	142	147	10.27	16200	16600	16200	2.8	49	**2KJ3806- ■ FN23- ■■ A1 -Z**	–
3	**KH.79-LE100ZLSB4P**									
	30	965	49.31	32600	38800	40000	0.85	78	**2KJ3808- ■ FP23- ■■ M1 -Z**	–
	35	815	41.6	36200	40000	40000	0.98	78	**2KJ3808- ■ FP23- ■■ L1 -Z**	–
	40	710	36.26	38700	40000	39300	1.1	78	**2KJ3808- ■ FP23- ■■ K1 -Z**	–
	44	640	32.78	38000	39600	38200	1.3	78	**2KJ3808- ■ FP23- ■■ J1 -Z**	–
	53	530	27.2	36200	37600	36400	1.5	78	**2KJ3808- ■ FP23- ■■ H1 -Z**	–
	57	500	25.6	35600	36900	35900	1.6	78	**2KJ3808- ■ FP23- ■■ G1 -Z**	–
	60	470	24.17	35100	36300	35300	1.6	78	**2KJ3808- ■ FP23- ■■ F1 -Z**	–
	71	400	20.57	33600	34700	33800	1.8	78	**2KJ3808- ■ FP23- ■■ E1 -Z**	–
	83	345	17.62	32300	33200	32400	2.1	78	**2KJ3808- ■ FP23- ■■ D1 -Z**	–
	94	300	15.49	31200	32000	31300	2.3	78	**2KJ3808- ■ FP23- ■■ C1 -Z**	–
	111	255	13.07	29700	30400	29900	2.6	78	**2KJ3808- ■ FP23- ■■ B1 -Z**	–
	128	220	11.39	28600	29200	28700	2.9	78	**2KJ3808- ■ FP23- ■■ A1 -Z**	–
	KH.69-LE100ZLSB4P									
	44	655	33.48	25000	25000	25000	0.88	71	**2KJ3807- ■ FP23- ■■ K1 -Z**	–
	50	570	29.18	25000	25000	25000	0.97	71	**2KJ3807- ■ FP23- ■■ J1 -Z**	–
	56	510	26.05	25000	25000	25000	1.2	71	**2KJ3807- ■ FP23- ■■ H1 -Z**	–
	59	480	24.52	25000	25000	25000	1.2	71	**2KJ3807- ■ FP23- ■■ G1 -Z**	–

Article No. supplement		
Shaft design	**1, 2 or 9**	see page 10/51
Frequency and voltage	**2 or 9**	see page 11/2
Gearbox mounting type	**A, F or H**	see page 10/42

Geared motors up to 7.5 kW

Selection and ordering data

P_N	n_2	T_2	i	F_{R2}	$F_{R2}90$	$F_{R2}270$	f_B	m	Article No.	Additional identification code **-Z** with order code
kW	rpm	Nm	–	N	N	N	–	kg	(Article No. supplement ➞ below)	No. of poles
3	**KH.69-LE100ZLSB4P**									
	63	450	23.15	25000	25000	25000	1.3	71	**2KJ3807- ■ FP23- ■■ F1 -Z**	–
	74	385	19.7	25000	25000	25000	1.4	71	**2KJ3807- ■ FP23- ■■ E1 -Z**	–
	86	330	16.88	24900	25000	25000	1.6	71	**2KJ3807- ■ FP23- ■■ D1 -Z**	–
	98	290	14.84	24100	24900	24200	1.8	71	**2KJ3807- ■ FP23- ■■ C1 -Z**	–
	117	245	12.52	23000	23700	23100	2	71	**2KJ3807- ■ FP23- ■■ B1 -Z**	–
	134	210	10.91	22200	22800	22300	2.2	71	**2KJ3807- ■ FP23- ■■ A1 -Z**	–
	KH.49-LE100ZLSB4P									
	56	515	26.3	17900	18300	18500	0.81	49	**2KJ3806- ■ FP23- ■■ H1 -Z**	–
	63	455	23.28	18500	18500	18500	0.92	49	**2KJ3806- ■ FP23- ■■ G1 -Z**	–
	75	380	19.38	18500	18500	18500	1.1	49	**2KJ3806- ■ FP23- ■■ F1 -Z**	–
	80	355	18.24	18300	18500	18400	1.2	49	**2KJ3806- ■ FP23- ■■ E1 -Z**	–
	89	320	16.34	17800	18500	17900	1.3	49	**2KJ3806- ■ FP23- ■■ D1 -Z**	–
	105	270	13.91	17100	18000	17200	1.5	49	**2KJ3806- ■ FP23- ■■ C1 -Z**	–
	122	230	11.93	16500	17200	16600	1.8	49	**2KJ3806- ■ FP23- ■■ B1 -Z**	–
	142	200	10.27	15900	16500	16000	2.1	49	**2KJ3806- ■ FP23- ■■ A1 -Z**	–
4	**KH.79-LE112ZMKB4P**									
	40	945	36.26	33200	39300	38400	0.81	79	**2KJ3808- ■ GJ23- ■■ K1 -Z**	–
	45	855	32.78	35300	39300	37400	0.96	79	**2KJ3808- ■ GJ23- ■■ J1 -Z**	–
	54	710	27.2	35400	37300	35800	1.1	79	**2KJ3808- ■ GJ23- ■■ H1 -Z**	–
	57	670	25.6	34900	36700	35200	1.2	79	**2KJ3808- ■ GJ23- ■■ G1 -Z**	–
	60	630	24.17	34400	36100	34700	1.2	79	**2KJ3808- ■ GJ23- ■■ F1 -Z**	–
	71	535	20.57	33100	34500	33300	1.4	79	**2KJ3808- ■ GJ23- ■■ E1 -Z**	–
	83	460	17.62	31800	33000	32000	1.6	79	**2KJ3808- ■ GJ23- ■■ D1 -Z**	–
	94	405	15.49	30700	31800	30900	1.7	79	**2KJ3808- ■ GJ23- ■■ C1 -Z**	–
	112	340	13.07	29400	30300	29500	1.9	79	**2KJ3808- ■ GJ23- ■■ B1 -Z**	–
	128	295	11.39	28300	29100	28400	2.2	79	**2KJ3808- ■ GJ23- ■■ A1 -Z**	–
	KH.69-LE112ZMKB4P									
	56	680	26.05	25000	25000	25000	0.88	72	**2KJ3807- ■ GJ23- ■■ H1 -Z**	–
	60	640	24.52	25000	25000	25000	0.93	72	**2KJ3807- ■ GJ23- ■■ G1 -Z**	–
	63	605	23.15	25000	25000	25000	0.97	72	**2KJ3807- ■ GJ23- ■■ F1 -Z**	–
	74	515	19.7	25000	25000	25000	1.1	72	**2KJ3807- ■ GJ23- ■■ E1 -Z**	–
	86	440	16.88	24400	25000	24600	1.2	72	**2KJ3807- ■ GJ23- ■■ D1 -Z**	–
	98	385	14.84	23600	24700	23800	1.3	72	**2KJ3807- ■ GJ23- ■■ C1 -Z**	–
	117	325	12.52	22600	23600	22800	1.5	72	**2KJ3807- ■ GJ23- ■■ B1 -Z**	–
	134	285	10.91	21800	22600	22000	1.6	72	**2KJ3807- ■ GJ23- ■■ A1 -Z**	–
	KH.49-LE112ZMKB4P									
	75	505	19.38	17800	18400	18000	0.83	50	**2KJ3806- ■ GJ23- ■■ F1 -Z**	–
	80	475	18.24	17600	18500	17800	0.88	50	**2KJ3806- ■ GJ23- ■■ E1 -Z**	–
	89	425	16.34	17200	18500	17400	0.98	50	**2KJ3806- ■ GJ23- ■■ D1 -Z**	–
	105	360	13.91	16600	17700	16800	1.2	50	**2KJ3806- ■ GJ23- ■■ C1 -Z**	–
	122	310	11.93	16100	17000	16200	1.3	50	**2KJ3806- ■ GJ23- ■■ B1 -Z**	–
	142	265	10.27	15500	16300	15600	1.5	50	**2KJ3806- ■ GJ23- ■■ A1 -Z**	–
5.5	**KH.79-LE132ZST4P**									
	54	970	27.2	32500	36600	34700	0.82	109	**2KJ3808- ■ HJ23- ■■ H1 -Z**	–
	57	915	25.6	33900	36200	34300	0.86	109	**2KJ3808- ■ HJ23- ■■ G1 -Z**	–

Article No. supplement		
Shaft design	**1, 2 or 9**	see page 10/51
Frequency and voltage	**2 or 9**	see page 11/2
Gearbox mounting type	**A, F or H**	see page 10/42

Selection and ordering data

P_N	n_2	T_2	i	F_{R2}	$F_{R2}90$	$F_{R2}270$	f_B	m	Article No.	Additional identification code **-Z** with order code
kW	rpm	Nm	–	N	N	N	–	kg	(Article No. supplement ➞ below)	No. of poles
5.5	**KH.79-LE132ZST4P**									
	61	860	24.17	33400	35700	33800	0.89	109	**2KJ3808- ■ HJ23- ■■ F1 -Z**	–
	71	735	20.57	32200	34100	32500	1	109	**2KJ3808- ■ HJ23- ■■ E1 -Z**	–
	83	630	17.62	31000	32700	31300	1.1	109	**2KJ3808- ■ HJ23- ■■ D1 -Z**	–
	95	550	15.49	30100	31500	30300	1.3	109	**2KJ3808- ■ HJ23- ■■ C1 -Z**	–
	112	465	13.07	28800	30000	29000	1.4	109	**2KJ3808- ■ HJ23- ■■ B1 -Z**	–
	129	405	11.39	27800	28900	28000	1.6	109	**2KJ3808- ■ HJ23- ■■ A1 -Z**	–
	KH.69-LE132ZST4P									
	87	600	16.88	23600	25000	23900	0.88	102	**2KJ3807- ■ HJ23- ■■ D1 -Z**	–
	99	530	14.84	23000	24400	23200	0.97	102	**2KJ3807- ■ HJ23- ■■ C1 -Z**	–
	117	445	12.52	22100	23300	22300	1.1	102	**2KJ3807- ■ HJ23- ■■ B1 -Z**	–
	135	390	10.91	21300	22400	21500	1.2	102	**2KJ3807- ■ HJ23- ■■ A1 -Z**	–
	KH.49-LE132ZST4P									
	106	495	13.91	15900	17400	16100	0.85	80	**2KJ3806- ■ HJ23- ■■ C1 -Z**	–
	123	425	11.93	15400	16700	15600	0.99	80	**2KJ3806- ■ HJ23- ■■ B1 -Z**	–
	143	365	10.27	15000	16100	15100	1.1	80	**2KJ3806- ■ HJ23- ■■ A1 -Z**	–
7.5	**KH.79-LE132ZMS4P**									
	83	860	17.62	30100	32100	30500	0.83	109	**2KJ3808- ■ HL23- ■■ D1 -Z**	–
	95	755	15.49	29200	31200	29600	0.92	109	**2KJ3808- ■ HL23- ■■ C1 -Z**	–
	112	635	13.07	28100	29800	28400	1	109	**2KJ3808- ■ HL23- ■■ B1 -Z**	–
	129	555	11.39	27200	28600	27400	1.2	109	**2KJ3808- ■ HL23- ■■ A1 -Z**	–
	KH.69-LE132ZMS4P									
	117	610	12.52	21300	23000	21600	0.8	102	**2KJ3807- ■ HL23- ■■ B1 -Z**	–
	135	530	10.91	20700	22200	21000	0.88	102	**2KJ3807- ■ HL23- ■■ A1 -Z**	–
	KH.49-LE132ZMS4P									
	143	500	10.27	14300	15700	14400	0.83	80	**2KJ3806- ■ HL23- ■■ A1 -Z**	–

Article No. supplement		
Shaft design	**1, 2 or 9**	see page 10/51
Frequency and voltage	**2 or 9**	see page 11/2
Gearbox mounting type	**A, F or H**	see page 10/42

Transmission ratios and torques

Selection and ordering data

i	n_2	T_{2N}	F_{R2}	$F_{R2}90$	$F_{R2}270$	J_G	R_{ex}	Motor frame size						Article No.
–	rpm	Nm	N	N	N	10^{-4} kgm^2	–	63	71	80	90	100	112	
BH.29														
50.26	29	90	7340	7500	7500	0.04	4071/81	✓	✓					**2KJ3803 - ■ ■■■■ - ■ ■ R1**
44.58	33	90	7030	7250	7300	0.05	4012/90	✓	✓	✓				**2KJ3803 - ■ ■■■■ - ■ ■ Q1**
38.68	37	90	6670	6890	6950	0.06	3481/90	✓	✓	✓				**2KJ3803 - ■ ■■■■ - ■ ■ P1**
35.16	41	90	6440	6660	6720	0.07	3481/99	✓	✓	✓	✓			**2KJ3803 - ■ ■■■■ - ■ ■ N1**
30.16	48	90	6090	6310	6360	0.09	2714/90	✓	✓	✓	✓			**2KJ3803 - ■ ■■■■ - ■ ■ M1**
27.41	53	90	5880	6100	6150	0.11	2714/99	✓	✓	✓	✓			**2KJ3803 - ■ ■■■■ - ■ ■ L1**
24.04	60	90	5600	5820	5870	0.12	2596/108	✓	✓	✓	✓			**2KJ3803 - ■ ■■■■ - ■ ■ K1**
21.45	68	90	5370	5590	5640	0.15	2124/99	✓	✓	✓	✓			**2KJ3803 - ■ ■■■■ - ■ ■ J1**
19.12	76	90	5140	5360	5410	0.18	2065/108	✓	✓	✓	✓			**2KJ3803 - ■ ■■■■ - ■ ■ H1**
17.65	82	90	4990	5210	5260	0.22	2065/117	✓	✓	✓	✓			**2KJ3803 - ■ ■■■■ - ■ ■ G1**
15.45	94	88	4760	4980	5020	0.24	1947/126	✓	✓	✓	✓			**2KJ3803 - ■ ■■■■ - ■ ■ F1**
13.55	107	84	4560	4760	4810	0.25	1829/135	✓	✓	✓	✓			**2KJ3803 - ■ ■■■■ - ■ ■ E1**
12.29	118	81	4410	4610	4660	0.32	1770/144	✓	✓	✓	✓			**2KJ3803 - ■ ■■■■ - ■ ■ D1**
11.57	125	79	4330	4520	4570	0.37	1770/153	✓	✓	✓	✓			**2KJ3803 - ■ ■■■■ - ■ ■ C1**
10.20	142	76	4150	4330	4380	0.42	1652/162	✓	✓	✓	✓			**2KJ3803 - ■ ■■■■ - ■ ■ B1**
8.85	164	72	3960	4140	4180	0.55	1593/180	✓	✓	✓	✓			**2KJ3803 - ■ ■■■■ - ■ ■ A1**
BH.39														
60.21	24	200	15000	15000	15000	0.05	4335/72	✓	✓					**2KJ3804 - ■ ■■■■ - ■ ■ T1**
52.26	28	200	15000	15000	15000	0.06	4233/81	✓	✓					**2KJ3804 - ■ ■■■■ - ■ ■ S1**
46.47	31	200	15000	15000	15000	0.07	4182/90	✓	✓	✓				**2KJ3804 - ■ ■■■■ - ■ ■ R1**
40.80	36	200	15000	15000	15000	0.08	3672/90	✓	✓	✓				**2KJ3804 - ■ ■■■■ - ■ ■ Q1**
37.09	39	200	15000	15000	15000	0.10	3672/99	✓	✓	✓	✓			**2KJ3804 - ■ ■■■■ - ■ ■ P1**
31.73	46	200	15000	15000	15000	0.12	2856/90	✓	✓	✓	✓			**2KJ3804 - ■ ■■■■ - ■ ■ N1**
28.85	50	200	15000	15000	15000	0.14	2856/99	✓	✓	✓	✓			**2KJ3804 - ■ ■■■■ - ■ ■ M1**
25.50	57	200	15000	15000	15000	0.17	2754/108	✓	✓	✓	✓	✓		**2KJ3804 - ■ ■■■■ - ■ ■ L1**
23.18	63	200	15000	15000	15000	0.23	2295/99	✓	✓	✓	✓	✓		**2KJ3804 - ■ ■■■■ - ■ ■ K1**
20.31	71	200	15000	15000	15000	0.26	2193/108	✓	✓	✓	✓	✓		**2KJ3804 - ■ ■■■■ - ■ ■ J1**
18.74	77	200	14800	14800	14800	0.31	2193/117	✓	✓	✓	✓	✓		**2KJ3804 - ■ ■■■■ - ■ ■ H1**
16.60	87	200	14200	14200	14200	0.36	2091/126	✓	✓	✓	✓	✓		**2KJ3804 - ■ ■■■■ - ■ ■ G1**
13.81	105	200	13500	13500	13500	0.49	1989/144	✓	✓	✓	✓	✓		**2KJ3804 - ■ ■■■■ - ■ ■ F1**
13.00	112	200	13200	13200	13200	0.57	1989/153	✓	✓	✓	✓	✓		**2KJ3804 - ■ ■■■■ - ■ ■ E1**
11.65	124	200	12800	12800	12800	0.62	1887/162	✓	✓	✓	✓	✓		**2KJ3804 - ■ ■■■■ - ■ ■ D1**
9.92	146	200	12200	12200	12200	0.80	1785/180	✓	✓	✓	✓	✓		**2KJ3804 - ■ ■■■■ - ■ ■ C1**
8.50	171	200	11600	11600	11600	1.05	1683/198			✓	✓	✓		**2KJ3804 - ■ ■■■■ - ■ ■ B1**
7.32	198	200	11100	11100	11100	1.34	1581/216			✓	✓	✓		**2KJ3804 - ■ ■■■■ - ■ ■ A1**

Article No. supplement		
Shaft design	**1, 2 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 or H**	see page 10/42

Selection and ordering data

i –	n_2 rpm	T_{2N} Nm	F_{R2} N	$F_{R2}90$ N	$F_{R2}270$ N	J_G 10^{-4} kgm^2	R_{ex} –	Motor frame size 63	71	80	90	100	112	132	Article No.
KH.49															
200.25	7.2	420	18500	18500	18500	0.06	12616/63	✓	✓						**2KJ3806 - ■■■■■ - ■■ C2**
178.06	8.1	420	18500	18500	18500	0.07	6232/35	✓	✓	✓					**2KJ3806 - ■■■■■ - ■■ B2**
156.34	9.3	420	18500	18500	18500	0.08	5472/35	✓	✓	✓					**2KJ3806 - ■■■■■ - ■■ A2**
142.13	10	420	18500	18500	18500	0.10	10944/77	✓	✓	✓	✓				**2KJ3806 - ■■■■■ - ■■ X1**
121.60	12	420	18500	18500	18500	0.12	608/5	✓	✓	✓	✓				**2KJ3806 - ■■■■■ - ■■ W1**
110.55	13	420	18500	18500	18500	0.14	1216/11	✓	✓	✓	✓				**2KJ3806 - ■■■■■ - ■■ V1**
97.71	15	420	18500	18500	18500	0.17	684/7	✓	✓	✓	✓	✓	✓		**2KJ3806 - ■■■■■ - ■■ U1**
88.83	16	420	18500	18500	18500	0.22	6840/77	✓	✓	✓	✓	✓	✓		**2KJ3806 - ■■■■■ - ■■ T1**
77.81	19	420	18500	18500	18500	0.25	1634/21	✓	✓	✓	✓	✓	✓		**2KJ3806 - ■■■■■ - ■■ S1**
71.82	20	420	18500	18500	18500	0.30	6536/91	✓	✓	✓	✓	✓	✓		**2KJ3806 - ■■■■■ - ■■ R1**
63.59	23	420	18500	18500	18500	0.37	3116/49	✓	✓	✓	✓	✓	✓	✓	**2KJ3806 - ■■■■■ - ■■ Q1**
52.93	27	420	18500	18500	18500	0.50	741/14	✓	✓	✓	✓	✓	✓	✓	**2KJ3806 - ■■■■■ - ■■ P1**
49.82	29	420	18500	18500	18500	0.58	5928/119	✓	✓	✓	✓	✓	✓	✓	**2KJ3806 - ■■■■■ - ■■ N1**
44.63	32	420	18500	18500	18500	0.64	2812/63	✓	✓	✓	✓	✓	✓	✓	**2KJ3806 - ■■■■■ - ■■ M1**
38.00	38	420	18500	18500	18500	0.84	38/1	✓	✓	✓	✓	✓	✓	✓	**2KJ3806 - ■■■■■ - ■■ L1**
32.57	45	420	18500	18500	18500	1.11	228/7			✓	✓	✓	✓	✓	**2KJ3806 - ■■■■■ - ■■ K1**
28.05	52	420	18500	18500	18500	1.43	589/21			✓	✓	✓	✓	✓	**2KJ3806 - ■■■■■ - ■■ J1**
26.30	55	420	18500	18500	18500	0.52	55040/2093	✓	✓	✓	✓	✓	✓		**2KJ3806 - ■■■■■ - ■■ H1**
23.28	62	420	18500	18500	18500	0.64	26240/1127	✓	✓	✓	✓	✓	✓	✓	**2KJ3806 - ■■■■■ - ■■ G1**
19.38	75	420	18300	18500	18500	0.89	3120/161	✓	✓	✓	✓	✓	✓	✓	**2KJ3806 - ■■■■■ - ■■ F1**
18.24	79	420	17900	18500	18100	1.03	49920/2737	✓	✓	✓	✓	✓	✓	✓	**2KJ3806 - ■■■■■ - ■■ E1**
16.34	89	420	17300	18500	17500	1.2	23680/1449	✓	✓	✓	✓	✓	✓	✓	**2KJ3806 - ■■■■■ - ■■ D1**
13.91	104	420	16400	17600	16500	1.61	320/23	✓	✓	✓	✓	✓	✓	✓	**2KJ3806 - ■■■■■ - ■■ C1**
11.93	122	420	15500	16800	15700	2.2	1920/161			✓	✓	✓	✓	✓	**2KJ3806 - ■■■■■ - ■■ B1**
10.27	141	415	14800	16000	14900	2.8	4960/483			✓	✓	✓	✓	✓	**2KJ3806 - ■■■■■ - ■■ A1**
KH.69															
196.59	7.4	600	25000	25000	25000	0.17	14744/75	✓	✓	✓					**2KJ3807 - ■■■■■ - ■■ C2**
178.72	8.1	600	25000	25000	25000	0.20	29488/165	✓	✓	✓	✓				**2KJ3807 - ■■■■■ - ■■ B2**
152.00	9.5	600	25000	25000	25000	0.25	152/1	✓	✓	✓	✓				**2KJ3807 - ■■■■■ - ■■ A2**
138.18	10	600	25000	25000	25000	0.30	1520/11	✓	✓	✓	✓				**2KJ3807 - ■■■■■ - ■■ X1**
123.29	12	600	25000	25000	25000	0.35	5548/45	✓	✓	✓	✓	✓	✓		**2KJ3807 - ■■■■■ - ■■ W1**
110.55	13	600	25000	25000	25000	0.42	1216/11	✓	✓	✓	✓	✓	✓		**2KJ3807 - ■■■■■ - ■■ V1**
99.64	15	600	25000	25000	25000	0.49	4484/45	✓	✓	✓	✓	✓	✓		**2KJ3807 - ■■■■■ - ■■ U1**
91.98	16	600	25000	25000	25000	0.58	17936/195	✓	✓	✓	✓	✓	✓		**2KJ3807 - ■■■■■ - ■■ T1**
83.96	17	600	25000	25000	25000	0.69	8816/105	✓	✓	✓	✓	✓	✓	✓	**2KJ3807 - ■■■■■ - ■■ S1**
69.67	21	600	25000	25000	25000	0.87	209/3	✓	✓	✓	✓	✓	✓	✓	**2KJ3807 - ■■■■■ - ■■ R1**
65.57	22	600	25000	25000	25000	1.01	3344/51	✓	✓	✓	✓	✓	✓	✓	**2KJ3807 - ■■■■■ - ■■ Q1**
61.93	23	600	25000	25000	25000	1.15	1672/27	✓	✓	✓	✓	✓	✓	✓	**2KJ3807 - ■■■■■ - ■■ P1**
52.69	28	600	25000	25000	25000	1.4	3952/75	✓	✓	✓	✓	✓	✓	✓	**2KJ3807 - ■■■■■ - ■■ N1**
45.14	32	600	25000	25000	25000	1.7	7448/165			✓	✓	✓	✓	✓	**2KJ3807 - ■■■■■ - ■■ M1**
39.69	37	600	25000	25000	25000	2.1	1786/45			✓	✓	✓	✓	✓	**2KJ3807 - ■■■■■ - ■■ L1**
33.48	43	580	25000	25000	25000	2.6	11552/345			✓	✓	✓	✓	✓	**2KJ3807 - ■■■■■ - ■■ K1**
29.18	50	555	25000	25000	25000	3.5	3648/125			✓	✓	✓	✓	✓	**2KJ3807 - ■■■■■ - ■■ J1**
26.05	56	600	25000	25000	25000	1.26	3751/144	✓	✓	✓	✓	✓	✓	✓	**2KJ3807 - ■■■■■ - ■■ H1**
24.52	59	595	25000	25000	25000	1.44	3751/153	✓	✓	✓	✓	✓	✓	✓	**2KJ3807 - ■■■■■ - ■■ G1**
23.15	63	585	25000	25000	25000	1.63	3751/162	✓	✓	✓	✓	✓	✓	✓	**2KJ3807 - ■■■■■ - ■■ F1**
19.70	74	555	25000	25000	25000	2.1	4433/225	✓	✓	✓	✓	✓	✓	✓	**2KJ3807 - ■■■■■ - ■■ E1**
16.88	86	530	24000	25000	24300	2.6	1519/90			✓	✓	✓	✓	✓	**2KJ3807 - ■■■■■ - ■■ D1**
14.84	98	515	23100	24600	23400	3.3	16027/1080			✓	✓	✓	✓	✓	**2KJ3807 - ■■■■■ - ■■ C1**
12.52	116	490	22000	23300	22200	4.3	12958/1035			✓	✓	✓	✓	✓	**2KJ3807 - ■■■■■ - ■■ B1**
10.91	133	470	21100	22400	21300	5.7	1364/125			✓	✓	✓	✓	✓	**2KJ3807 - ■■■■■ - ■■ A1**

Article No. supplement		
Shaft design	**1, 2 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 or H**	see page 10/42

Transmission ratios and torques

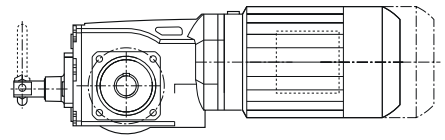
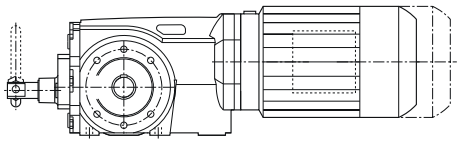
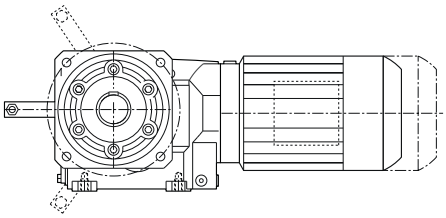
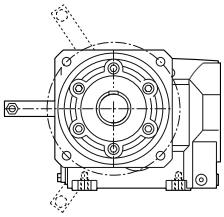
Selection and ordering data

i –	n_2 rpm	T_{2N} Nm	F_{R2} N	$F_{R2}90$ N	$F_{R2}270$ N	J_G 10^{-4} kgm^2	R_{ex} –	Motor frame size 63	71	80	90	100	112	132	Article No.
KH.79															
244.25	5.9	820	36100	40000	40000	0.17	175861/720	✓	✓	✓					**2KJ3808 - ■■■■ - ■■ E2**
222.05	6.5	820	36100	40000	40000	0.21	175861/792	✓	✓	✓	✓				**2KJ3808 - ■■■■ - ■■ D2**
188.85	7.7	820	36100	40000	40000	0.25	9065/48	✓	✓	✓	✓				**2KJ3808 - ■■■■ - ■■ C2**
171.69	8.4	820	36100	40000	40000	0.31	45325/264	✓	✓	✓	✓				**2KJ3808 - ■■■■ - ■■ B2**
153.18	9.5	820	36100	40000	40000	0.35	132349/864	✓	✓	✓	✓	✓	✓		**2KJ3808 - ■■■■ - ■■ A2**
137.35	11	820	36100	40000	40000	0.42	9065/66	✓	✓	✓	✓	✓	✓		**2KJ3808 - ■■■■ - ■■ W1**
123.80	12	820	36100	40000	40000	0.50	106967/864	✓	✓	✓	✓	✓	✓		**2KJ3808 - ■■■■ - ■■ V1**
114.28	13	820	36100	40000	40000	0.59	106967/936	✓	✓	✓	✓	✓	✓		**2KJ3808 - ■■■■ - ■■ U1**
104.32	14	820	36100	40000	40000	0.70	7511/72	✓	✓	✓	✓	✓	✓	✓	**2KJ3808 - ■■■■ - ■■ T1**
86.56	17	820	36100	40000	40000	0.89	99715/1152	✓	✓	✓	✓	✓	✓	✓	**2KJ3808 - ■■■■ - ■■ S1**
81.47	18	820	36100	40000	40000	1.02	99715/1224	✓	✓	✓	✓	✓	✓	✓	**2KJ3808 - ■■■■ - ■■ R1**
76.94	19	820	36100	40000	40000	1.16	99715/1296	✓	✓	✓	✓	✓	✓	✓	**2KJ3808 - ■■■■ - ■■ Q1**
65.47	22	820	36100	40000	40000	1.42	23569/360	✓	✓	✓	✓	✓	✓	✓	**2KJ3808 - ■■■■ - ■■ P1**
56.08	26	820	36100	40000	40000	1.74	88837/1584			✓	✓	✓	✓	✓	**2KJ3808 - ■■■■ - ■■ N1**
49.31	29	820	36100	40000	40000	2.1	85211/1728			✓	✓	✓	✓	✓	**2KJ3808 - ■■■■ - ■■ M1**
41.60	35	800	36600	40000	40000	2.7	34447/828			✓	✓	✓	✓	✓	**2KJ3808 - ■■■■ - ■■ L1**
36.26	40	770	37300	40000	39100	3.6	1813/50			✓	✓	✓	✓	✓	**2KJ3808 - ■■■■ - ■■ K1**
32.78	44	820	36100	39400	37700	0.95	6293/192	✓	✓	✓	✓	✓	✓	✓	**2KJ3808 - ■■■■ - ■■ J1**
27.20	53	800	35200	37200	35500	1.25	83545/3072	✓	✓	✓	✓	✓	✓	✓	**2KJ3808 - ■■■■ - ■■ H1**
25.60	57	785	34500	36600	34900	1.43	83545/3264	✓	✓	✓	✓	✓	✓	✓	**2KJ3808 - ■■■■ - ■■ G1**
24.17	60	770	34000	35900	34300	1.62	83545/3456	✓	✓	✓	✓	✓	✓	✓	**2KJ3808 - ■■■■ - ■■ F1**
20.57	70	740	32300	34200	32600	2.1	19747/960	✓	✓	✓	✓	✓	✓	✓	**2KJ3808 - ■■■■ - ■■ E1**
17.62	82	715	30800	32700	31100	2.6	74431/4224			✓	✓	✓	✓	✓	**2KJ3808 - ■■■■ - ■■ D1**
15.49	94	695	29600	31400	29900	3.2	71393/4608			✓	✓	✓	✓	✓	**2KJ3808 - ■■■■ - ■■ C1**
13.07	111	665	28200	29900	28500	4.2	28861/2208			✓	✓	✓	✓	✓	**2KJ3808 - ■■■■ - ■■ B1**
11.39	127	645	27300	28800	27500	5.6	4557/400			✓	✓	✓	✓	✓	**2KJ3808 - ■■■■ - ■■ A1**

Article No. supplement		
Shaft design	**1, 2 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 or H**	see page 10/42

Overview

Notes on the dimensional drawings are provided in chapter Introduction on page 1/24.

Design	Frame size	Dimensional drawing, see page
Light-load applications		
Housing flange design		
	BHZ29	8/20
	BHZ39	8/21
Foot-mounted design		
	BH39	8/22
Heavy-load applications		
Flange-mounted design		
	KHF49	8/23
	KHF69	8/24
	KHF79	8/25
Additional versions and options		
	Clutch lever	8/26

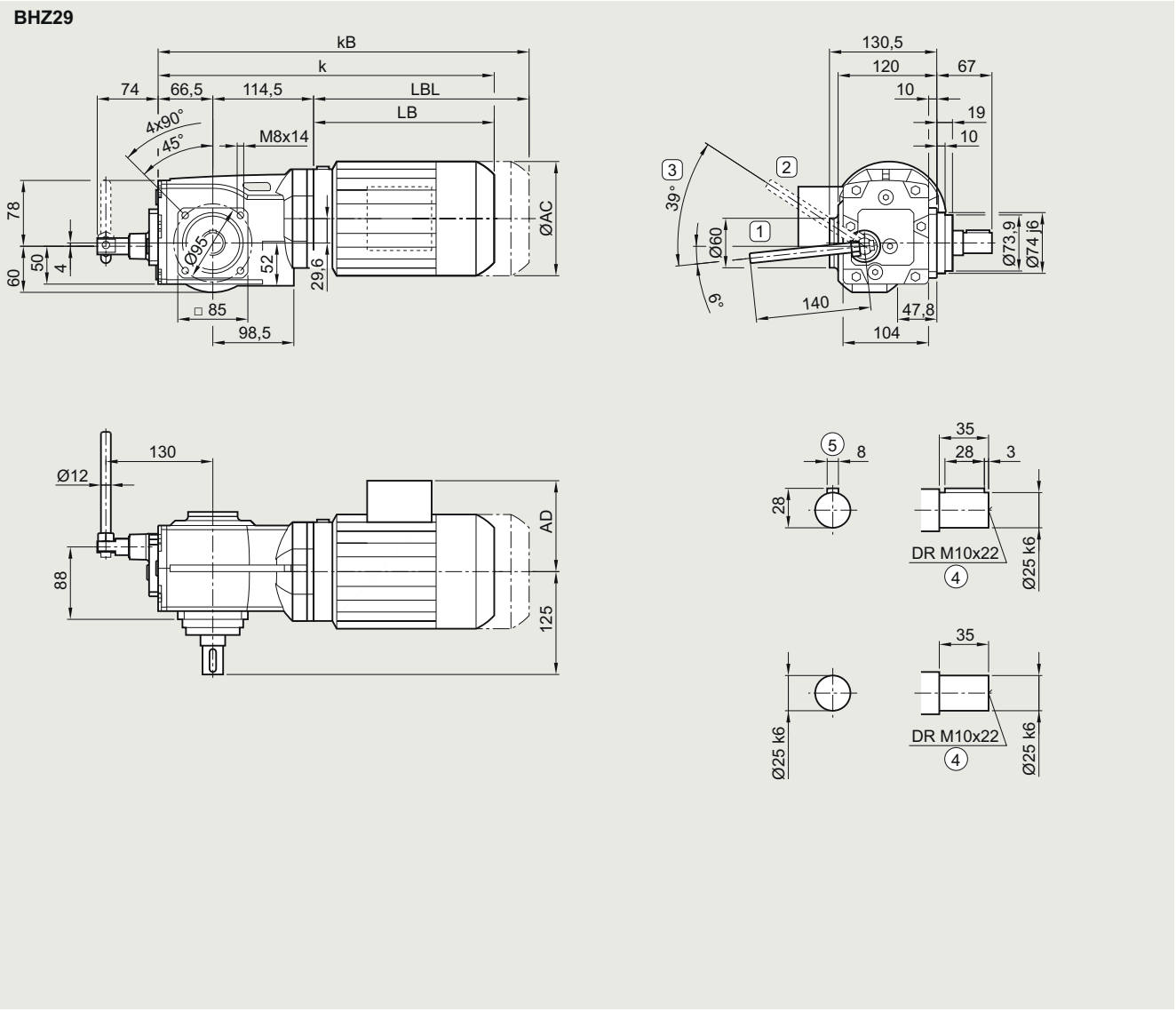
8

Dimensional drawings

Gearbox BHZ29 in a housing flange design

BHZ030

BHZ29



Clutch	
1	Engaged
2	Disengaged
3	Operating travel in accordance with VDI 3643

Motor	LE63	LE63Z	LE71	LE71Z	LE71Y	LE80	LE80Z	LE90	LE90Z
AC	117.8	117.8	138.8	138.8	138.8	156.3	156.3	173.8	173.8
AD[1)]	124.0	124.0	134.0	134.0	134.0	149.2	149.2	154.2	154.2
k	375.0	401.0	407.0	426.0	466.0	471.0	506.0	533.0	573.0
kB	419.5	445.5	462.0	481.0	521.0	531.0	566.5	603.0	643.0
LB	194.0	220.0	226.0	245.0	285.0	290.0	325.0	351.5	391.5
LBL	238.5	264.5	281.0	300.0	340.0	350.0	385.0	421.5	461.5

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

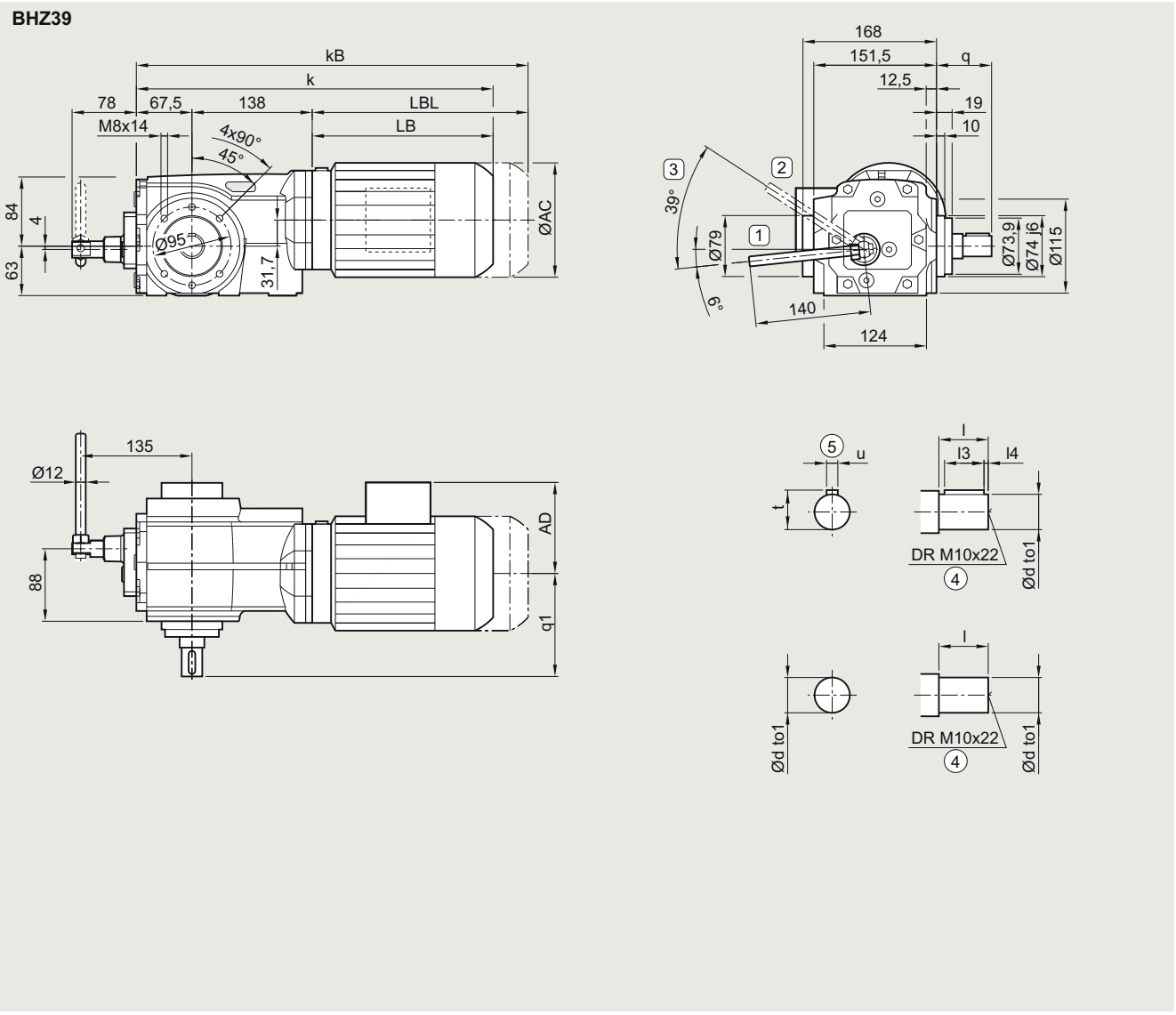
④ DIN 332

⑤ Feather key/keyway DIN 6885-1

Gearbox BHZ39 in a housing flange design

BHZ030

BHZ39



Clutch	
1	Engaged
2	Disengaged
3	Operating travel in accordance with VDI 3643

Shaft	d	to1	l	l3	l4	t	u	q	q1
	25	k6	35	28	3	28	8	67	125
	30	k6	50	40	5	33	8	72	130

Motor	LE63	LE63Z	LE71	LE71Z	LE71Y	LE80	LE80Z	LE90	LE90Z	LE100	LE100Z
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	399.5	425.5	431.5	450.5	491.0	496.0	531.0	557.5	597.5	614.0	649.0
kB	444.0	470.0	486.5	505.5	546.0	556.0	591.0	627.5	667.5	692.5	727.5
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) AD depends on the motor options, for other dimensions, see page 9/46.

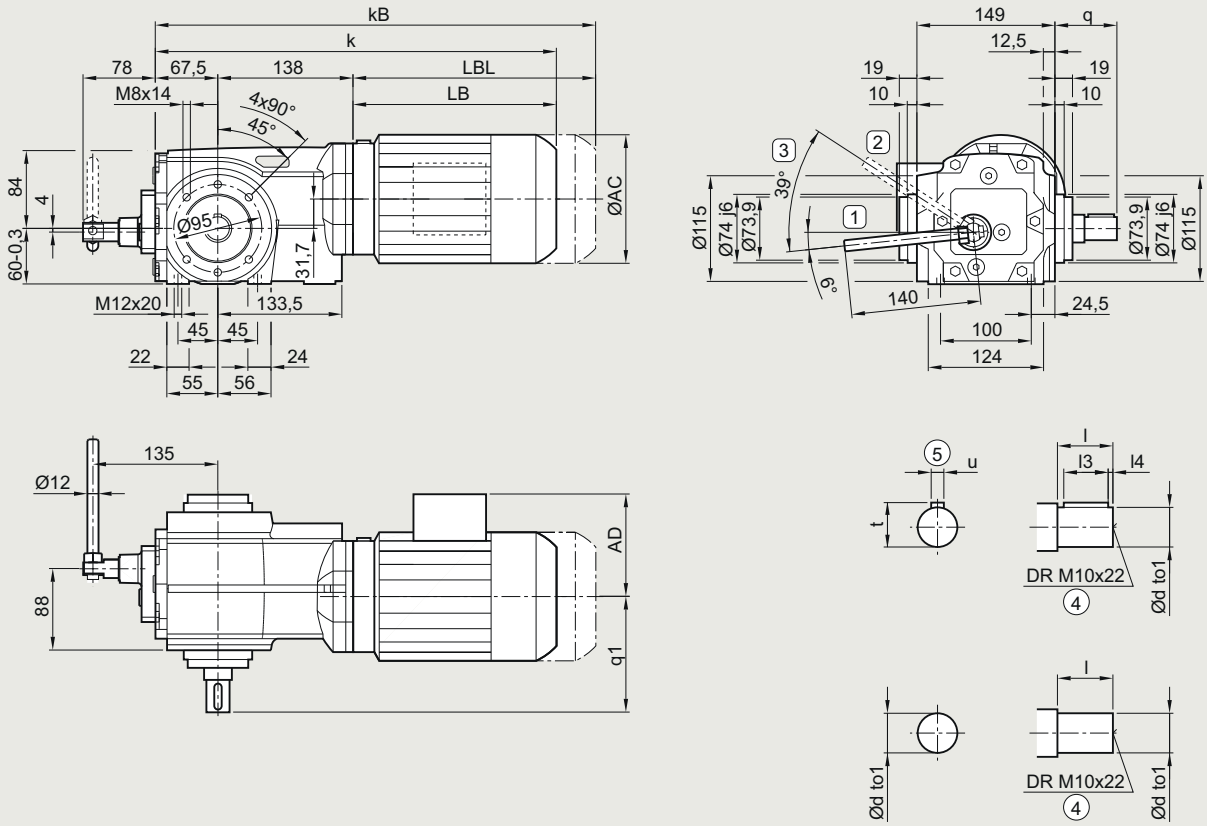
④ DIN 332 ⑤ Feather key/keyway DIN 6885-1

Dimensional drawings

Gearbox BH39 in a foot-mounted design

BH030

BH39



Clutch	
1	Engaged
2	Disengaged
3	Operating travel in accordance with VDI 3643

Shaft	d	to1	l	l3	l4	t	u	q	q1
	25	k6	35	28	3	28	8	67	125
	30	k6	50	40	5	33	8	72	130

Motor	LE63	LE63Z	LE71	LE71Z	LE71Y	LE80	LE80Z	LE90	LE90Z	LE100	LE100Z
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	399.5	425.5	431.5	450.5	491.0	496.0	531.0	557.5	597.5	614.0	649.0
kB	444.0	470.0	486.5	505.5	546.0	556.0	591.0	627.5	667.5	692.5	727.5
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

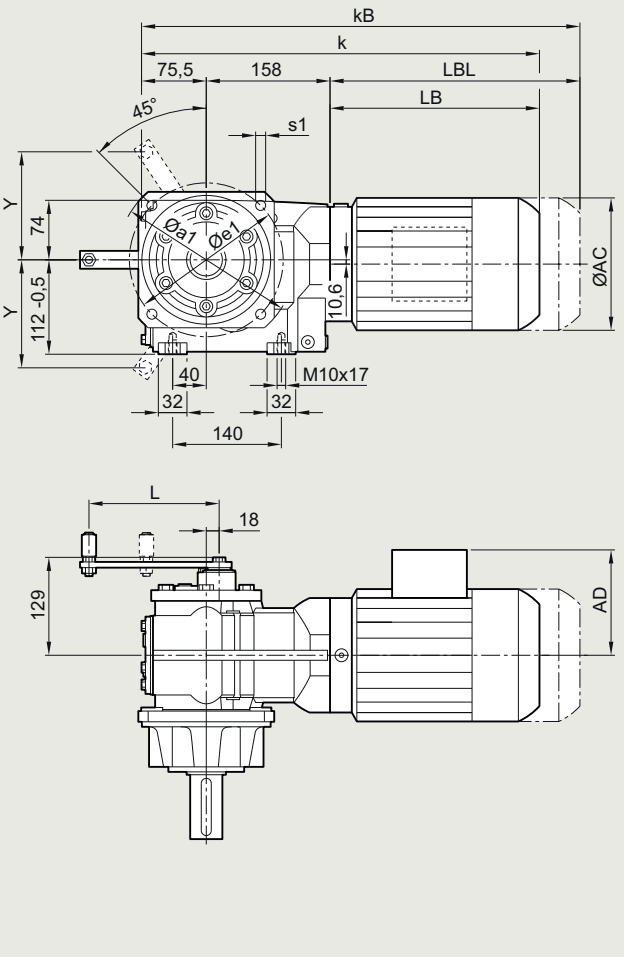
[1)] AD depends on the motor options, for other dimensions, see page 9/46.

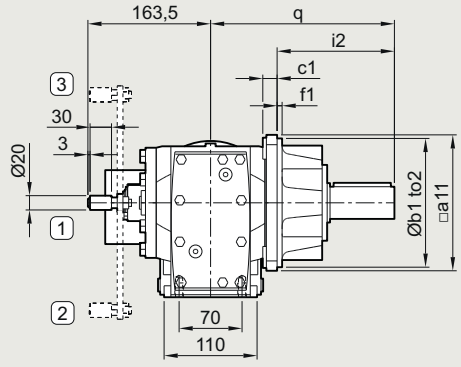
④ DIN 332 ⑤ Feather key/keyway DIN 6885-1

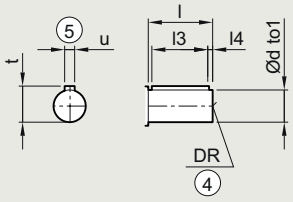
Gearbox KHF49 in a flange-mounted design

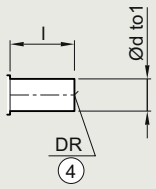
KHF030

KHF49









Clutch	
1	Engaged
2 3	Disengaged

Clutch lever	L	Y
Position A, short	140	117
Position A, long	182	151

Flange	a1	b1	to2	c1	f1	a11	e1	s1	Shaft	d	to1	l	l3	l4	t	u	q	i2	DR
	200	130	j6	13	6	160	165	M10		30	k6	60	50	3.5	33	8	191	100	M10x22
										35	k6	70	56	7	38	10	201	110	M12x28
	250	180	j6	15	6	190	215	M12		30	k6	60	50	3.5	33	8	191	105	M10x22
										35	k6	70	56	7	38	10	201	115	M12x28

Motor	LE63	LE63Z	LE71	LE71Z	LE71Y	LE80	LE80Z	LE90	LE90Z	LE100	LE100Z	LE112	LE112Z	LE132	LE132Z
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	427.5	453.5	459.5	478.5	509.0	514.0	549.0	575.5	615.5	632.0	667.0	642.0	676.5	695.0	745.0
kB	472.0	498.0	514.5	533.5	564.0	574.0	609.0	645.5	685.5	710.5	745.5	715.0	749.5	799.5	849.5
LB	194.0	220.0	226.0	245.0	275.5	280.5	315.5	342.0	382.0	398.5	433.5	408.5	443.0	461.5	511.5
LBL	238.5	264.5	281.0	300.0	330.5	340.5	375.5	412.0	452.0	477.0	512.0	481.5	516.0	566.0	616.0

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

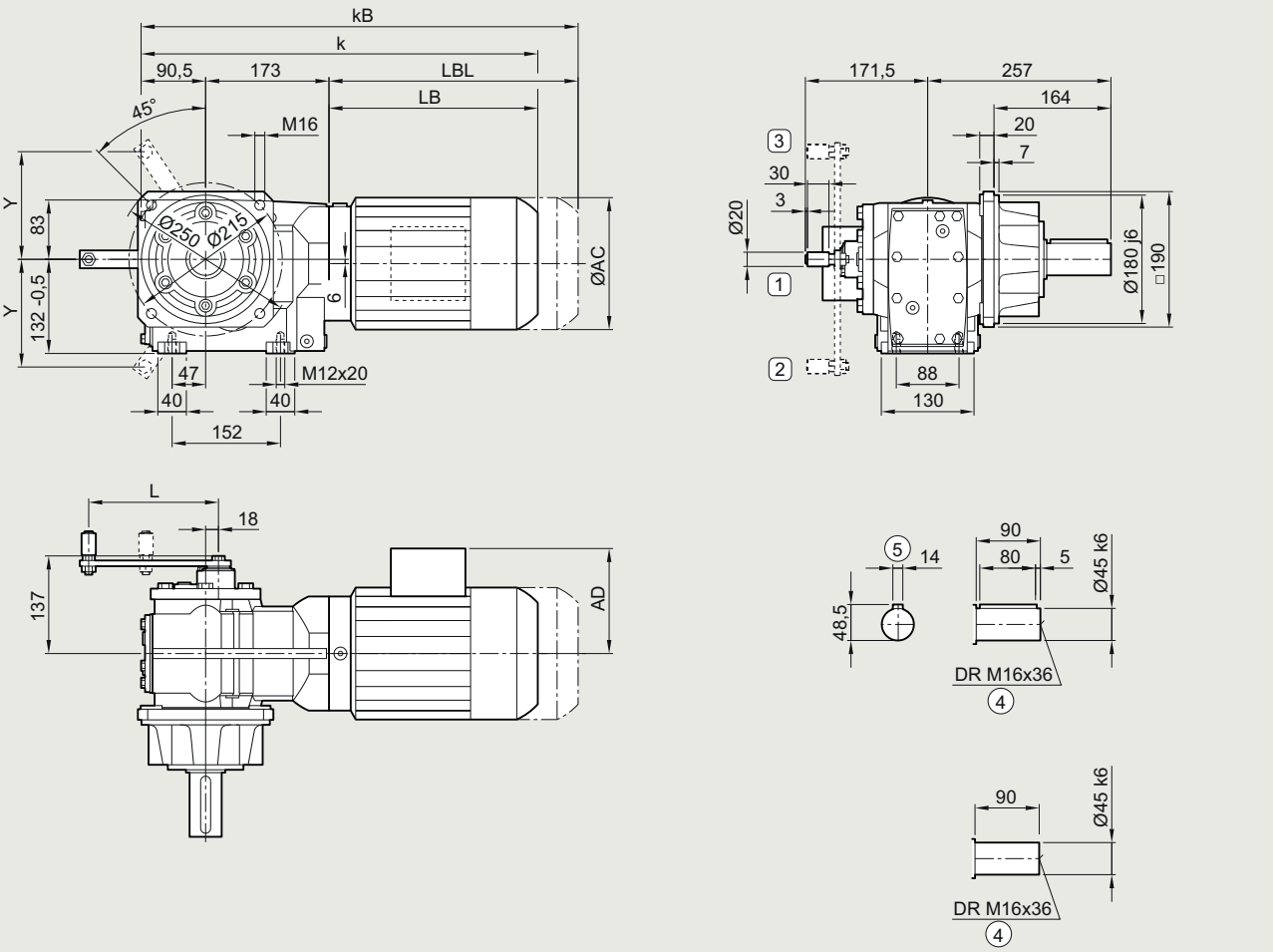
④ DIN 332 ⑤ Feather key/keyway DIN 6885-1

Dimensional drawings

Gearbox KHF69 in a flange-mounted design

KHF030

KHF69



Clutch	
1	Engaged
2 3	Disengaged

Clutch lever	L	Y
Position A, short	140	117
Position A, long	182	151

Motor	LE63	LE63Z	LE71	LE71Z	LE71Y	LE80	LE80Z	LE90	LE90Z	LE100	LE100Z	LE112	LE112Z	LE132	LE132Z
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	457.5	483.5	489.5	508.5	539.0	544.0	579.0	605.5	645.5	662.0	697.0	672.0	706.5	725.0	775.0
kB	502.0	528.0	544.5	563.5	594.0	604.0	639.0	675.5	715.5	740.5	775.5	745.0	779.5	829.5	879.5
LB	194.0	220.0	226.0	245.0	275.5	280.5	315.5	342.0	382.0	398.5	433.5	408.5	443.0	461.5	511.5
LBL	238.5	264.5	281.0	300.0	330.5	340.5	375.5	412.0	452.0	477.0	512.0	481.5	516.0	566.0	616.0

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

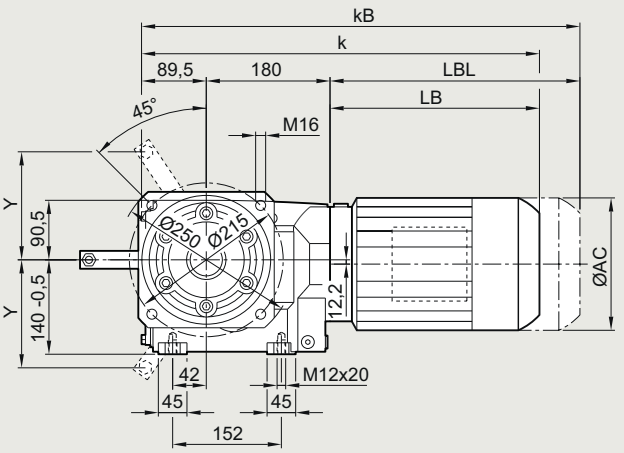
④ DIN 332

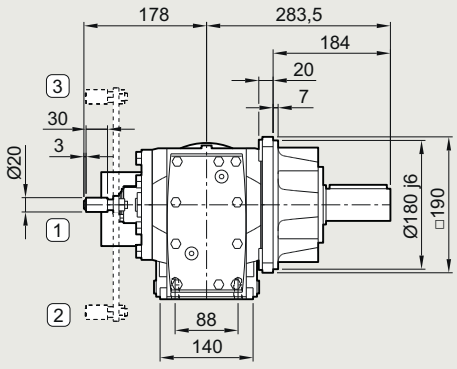
⑤ Feather key/keyway DIN 6885-1

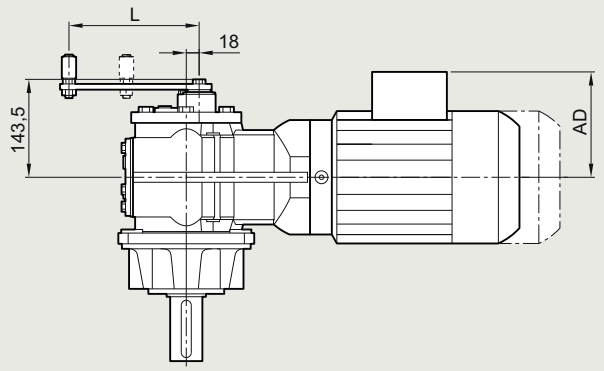
Gearbox KHF79 in a flange-mounted design

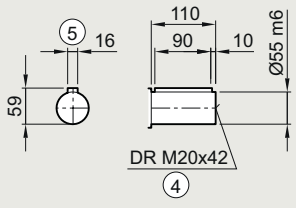
KHF030

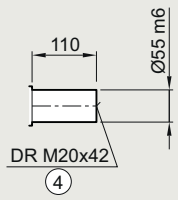
KHF79











Clutch	
1	Engaged
2 3	Disengaged

Clutch lever	L	Y
Position A, short	140	117
Position A, long	182	151

Motor	LE63	LE63Z	LE71	LE71Z	LE71Y	LE80	LE80Z	LE90	LE90Z	LE100	LE100Z	LE112	LE112Z	LE132	LE132Z
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	545.0	550.0	585.0	611.5	651.5	668.0	703.0	678.5	712.5	731.0	781.0
kB	508.5	534.0	550.5	569.5	600.0	610.0	645.0	681.5	721.5	746.5	781.5	751.0	785.5	835.5	885.5
LB	194.0	220.0	226.0	245.0	275.5	280.5	315.5	342.0	382.0	398.5	433.5	408.5	443.0	461.5	511.5
LBL	238.5	264.5	281.0	300.0	330.5	340.5	375.5	412.0	452.0	477.0	512.0	481.5	516.0	566.0	616.0

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

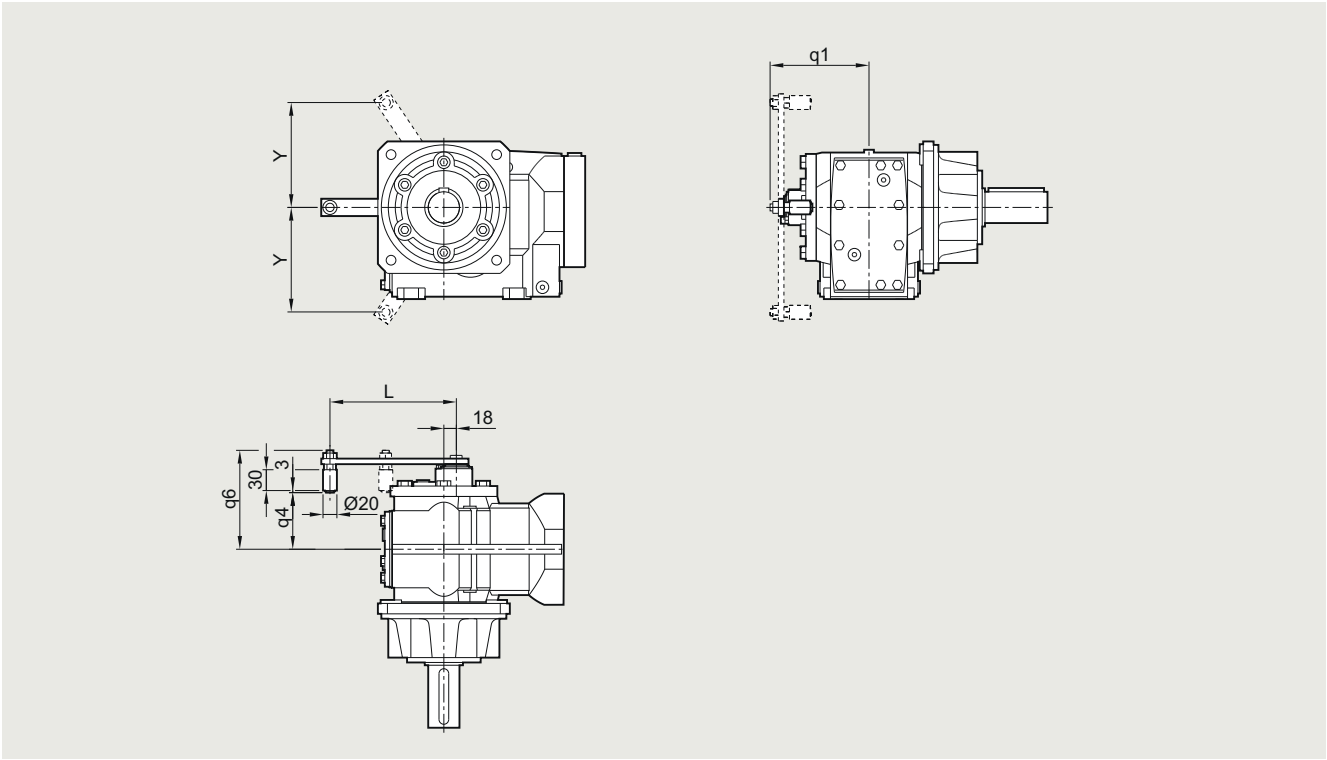
④ DIN 332

⑤ Feather key/keyway DIN 6885-1

Dimensional drawings

Clutch lever, position B

Further information about the clutch lever can be found in chapter Gearbox options on page 10/55.



Gearbox type	q1	q4	q6
KHF49	129.0	73.5	134.5
KHF69	137.0	81.5	142.5
KHF79	143.5	88.0	149.0

Clutch lever	L	Y
Position B, short	140	117
Position B, long	182	151