

SIMOTICS servomotors

SIMOTICS S synchronous motors for SINAMICS S120

SIMOTICS S-1FK7 geared servomotors 1FK7 bevel geared motors

Selection and ordering data

Power at duty type S3-60 %	Output speed at the gear shaft	Rated output torque gearbox at duty type S3-60 %	Acceleration torque, max. gearbox	Nominal ratio	Exact ratio	Cantilever force, perm. gear shaft extension	Overload factor
P_2 kW (HP)	n_2 rpm	M_2 Nm (lb _f -ft)	M_{2max} Nm (lb _f -ft)	i_{nom}	i_{exact}	F_{rperm} N (lb _f)	f_B
Natural cooling – SH 36/SH 48/SH 63							
0.30 (0.40)	750	3.78 (2.79)	22 (16.2)	4	4/1	1494 (336)	4.7
	500	5.68 (4.19)	31 (22.9)	6	6/1	1710 (384)	4.5
	296	9.59 (7.07)	48 (35.4)	10	507/50	2037 (458)	4.1
	179	15.8 (11.7)	73 (53.8)	16.5	117/7	2406 (541)	3.8
	129	22.0 (16.2)	102 (75.2)	23	1140/49	2686 (604)	3.8
	85	33.2 (24.5)	135 (99.6)	35	3686/105	3081 (693)	3.3
	65	43.7 (32.2)	185 (137)	46	1849/40	4053 (911)	3.4
	43	65.7 (48.5)	159 (117)	69	6665/96	4641 (1043)	2.0
0.41 (0.55)	750	5.24 (3.87)	42 (31.0)	4	4/1	1494 (336)	6.7
	500	7.86 (5.80)	59 (43.5)	6	6/1	1710 (384)	6.3
	296	13.3 (9.81)	92 (67.9)	10	507/50	2037 (458)	5.8
	179	21.9 (16.2)	122 (90.0)	16.5	117/7	2406 (541)	4.7
	129	30.5 (22.5)	135 (99.6)	23	1140/49	2686 (604)	3.7
	85	46.0 (33.9)	135 (99.6)	35	3686/105	3081 (693)	2.5
	65	60.5 (44.6)	220 (162)	46	1849/40	4053 (911)	3.1
	65	60.5 (44.6)	220 (162)	46	1849/40	4053 (911)	3.1
0.79 (1.06)	750	10.1 (7.45)	42 (31.0)	4	4/1	1494 (336)	3.6
	500	15.1 (11.1)	59 (43.5)	6	6/1	1710 (384)	3.4
	296	25.6 (18.9)	92 (67.9)	10	507/50	2037 (458)	3.1
	179	42.2 (31.1)	122 (90.0)	16.5	117/7	2406 (541)	2.5
	129	58.7 (43.3)	135 (99.6)	23	1140/49	2686 (604)	2.0
	85	88.5 (65.3)	135 (99.6)	35	3686/105	3081 (693)	1.3
	87	87.1 (64.2)	220 (162)	35	1935/56	3678 (1043)	2.2
	87	87.1 (64.2)	220 (162)	35	1935/56	3678 (1043)	2.2
1.43 (1.92)	750	18.2 (13.4)	76 (56.1)	4	4/1	1494 (336)	3.3
	500	27.4 (20.2)	87 (64.2)	6	6/1	1710 (384)	2.5
	296	46.2 (34.1)	103 (76.0)	10	507/50	2037 (458)	1.8
	178	76.9 (56.7)	219 (162)	17	2967/176	2895 (651)	2.2
	129	106 (78.2)	220 (162)	23	2967/128	3220 (724)	1.6
	129	106 (78.2)	385 (284)	23	559/24	3762 (846)	2.8
	87	158 (117)	220 (162)	35	1935/56	3678 (1043)	1.1
	86	158 (117)	385 (284)	35	903/26	4298 (966)	1.9
	65	211 (156)	385 (284)	46	1849/40	4728 (1063)	1.4
	65	211 (156)	600 (443)	46	602/13	7570 (1702)	2.2
	46	290 (214)	1000 (738)	65	12586/195	10154 (2283)	2.7
	46	290 (214)	1000 (738)	65	12586/195	10154 (2283)	2.7

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SIMOTICS S-1FK7 geared servomotors 1FK7 bevel geared motors

Gearbox size	Motor shaft height	1FK7 bevel geared motors				Gearbox weight, approx. kg (lb)
		Order No.	Order codes	Gearbox type	Type/gear shaft extension Type of construction/ mounting position/ connector mounting position	
SH						
K102	36	1FK7032-5AK71-1 ■ ■ ■ 5-Z	B11	G . .	H . .	12.3 (27.1)
K102	36	1FK7032-5AK71-1 ■ ■ ■ 5-Z	B12	G . .	H . .	12.3 (27.1)
K102	36	1FK7032-5AK71-1 ■ ■ ■ 5-Z	B13	G . .	H . .	12.3 (27.1)
K102	36	1FK7032-5AK71-1 ■ ■ ■ 5-Z	B14	G . .	H . .	12.3 (27.1)
K102	36	1FK7032-5AK71-1 ■ ■ ■ 5-Z	B15	G . .	H . .	12.3 (27.1)
K102	36	1FK7032-5AK71-1 ■ ■ ■ 5-Z	B16	G . .	H . .	12.3 (27.1)
K202	36	1FK7032-5AK71-1 ■ ■ ■ 5-Z	B27	G . .	H . .	19.8 (43.7)
K202	36	1FK7032-5AK71-1 ■ ■ ■ 5-Z	B28	G . .	H . .	19.8 (43.7)
K102	48	1FK7040-5AK71-1 ■ ■ ■ 5-Z	B11	G . .	H . .	13.1 (28.9)
K102	48	1FK7040-5AK71-1 ■ ■ ■ 5-Z	B12	G . .	H . .	13.1 (28.9)
K102	48	1FK7040-5AK71-1 ■ ■ ■ 5-Z	B13	G . .	H . .	13.1 (28.9)
K102	48	1FK7040-5AK71-1 ■ ■ ■ 5-Z	B14	G . .	H . .	13.1 (28.9)
K102	48	1FK7040-5AK71-1 ■ ■ ■ 5-Z	B15	G . .	H . .	13.1 (28.9)
K102	48	1FK7040-5AK71-1 ■ ■ ■ 5-Z	B16	G . .	H . .	13.1 (28.9)
K202	48	1FK7040-5AK71-1 ■ ■ ■ 5-Z	B27	G . .	H . .	20.6 (45.4)
K102	48	1FK7042-5AF71-1 ■ ■ ■ 5-Z	B11	G . .	H . .	14.4 (31.8)
K102	48	1FK7042-5AF71-1 ■ ■ ■ 5-Z	B12	G . .	H . .	14.4 (31.8)
K102	48	1FK7042-5AF71-1 ■ ■ ■ 5-Z	B13	G . .	H . .	14.4 (31.8)
K102	48	1FK7042-5AF71-1 ■ ■ ■ 5-Z	B14	G . .	H . .	14.4 (31.8)
K102	48	1FK7042-5AF71-1 ■ ■ ■ 5-Z	B15	G . .	H . .	14.4 (31.8)
K102	48	1FK7042-5AF71-1 ■ ■ ■ 5-Z	B16	G . .	H . .	14.4 (31.8)
K202	48	1FK7042-5AF71-1 ■ ■ ■ 5-Z	B26	G . .	H . .	21.9 (48.3)
K102	63	1FK7060-5AF71-1 ■ ■ ■ 5-Z	B11	G . .	H . .	17.1 (37.7)
K102	63	1FK7060-5AF71-1 ■ ■ ■ 5-Z	B12	G . .	H . .	17.1 (37.7)
K102	63	1FK7060-5AF71-1 ■ ■ ■ 5-Z	B13	G . .	H . .	17.1 (37.7)
K202	63	1FK7060-5AF71-1 ■ ■ ■ 5-Z	B24	G . .	H . .	24.6 (54.2)
K202	63	1FK7060-5AF71-1 ■ ■ ■ 5-Z	B25	G . .	H . .	24.6 (54.2)
K302	63	1FK7060-5AF71-1 ■ ■ ■ 5-Z	B35	G . .	H . .	29.6 (65.3)
K202	63	1FK7060-5AF71-1 ■ ■ ■ 5-Z	B26	G . .	H . .	24.6 (54.2)
K302	63	1FK7060-5AF71-1 ■ ■ ■ 5-Z	B36	G . .	H . .	29.6 (65.3)
K302	63	1FK7060-5AF71-1 ■ ■ ■ 5-Z	B37	G . .	H . .	29.6 (65.3)
K402	63	1FK7060-5AF71-1 ■ ■ ■ 5-Z	B47	G . .	H . .	43.1 (95.0)
K513	63	1FK7060-5AF71-1 ■ ■ ■ 5-Z	B58	G . .	H . .	48.9 (108)

Encoder systems for motors without DRIVE-CLiQ interface:

IC2048S/R encoder
AM2048S/R encoder (from shaft height 48)
AM512S/R encoder (shaft height 36 only)
AM32S/R encoder (from shaft height 48)
AM16S/R encoder (shaft height 36 only)
Multi-pole resolver
2-pole resolver

Encoder systems for motors with DRIVE-CLiQ interface:

IC22DQ encoder
AM22DQ encoder (from shaft height 48)
AM20DQ encoder (shaft height 36 only)
AM16DQ encoder (from shaft height 48)
AM15DQ encoder (shaft height 36 only)
R15DQ resolver
R14DQ resolver

Holding brake:

Motor without holding brake
Motor with holding brake

A
E
H
G
J
S
T

D
F
L
K
V
U
P

Order codes for type/gear shaft extension and type of construction/
mounting position/connector mounting position, see page 4/92.

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Selection and ordering data

Power at duty type S3-60 %	Output speed at the gear shaft	Rated output torque gearbox at duty type S3-60 %	Acceleration torque, max. gearbox	Nominal ratio	Exact ratio	Cantilever force, perm. gear shaft extension	Overload factor
P_2 kW (HP)	n_2 rpm	M_2 Nm (lb _f -ft)	M_{2max} Nm (lb _f -ft)	i_{nom}	i_{exact}	F_{rperm} N (lb _f)	f_B
Natural cooling – SH 63/SH 80/SH 100							
2.22 (2.98)	750	28.3 (20.9)	76 (56.1)	4	4/1	1494 (336)	1.8
	750	28.3 (20.9)	83 (61.2)	4	4/1	1793 (403)	2.0
	500	42.5 (31.3)	87 (64.2)	6	6/1	1710 (384)	1.4
	500	42.5 (31.3)	128 (94.4)	6	6/1	2394 (538)	2.0
	324	65.6 (48.4)	186 (137)	9.3	1075/116	2767 (622)	1.9
	178	119 (87.8)	219 (162)	17	2967/176	2895 (651)	1.2
	129	165 (122)	385 (284)	23	559/24	3762 (846)	1.5
	86	246 (181)	385 (284)	35	903/26	4298 (966)	1.0
	65	328 (242)	600 (443)	46	602/13	7570 (1702)	1.2
2.17 (2.91)	46	450 (332)	1000 (738)	65	12586/195	10154 (2283)	1.5
2.07 (2.78)	750	26.4 (19.5)	135 (99.6)	4	4/1	1793 (403)	4.4
	500	39.6 (29.2)	155 (114)	6	6/1	2052 (461)	3.3
	298	66.4 (49.0)	184 (136)	10	2881/286	2439 (548)	2.4
	177	112 (82.6)	384 (283)	17	559/33	3383 (761)	2.9
	129	153 (113)	220 (162)	23	2967/128	3220 (724)	1.2
	129	154 (114)	385 (284)	23	559/24	3762 (846)	2.1
	86	229 (169)	600 (443)	35	4171/120	6879 (1546)	2.2
2.03 (2.72)	62	313 (231)	1000 (738)	48	2697/56	9210 (2071)	2.7
	39	495 (365)	1600 (1180)	76	126697/1664	12763 (2869)	2.7
3.20 (4.29)	750	40.7 (30.0)	135 (99.6)	4	4/1	1793 (403)	2.2
	500	61.1 (45.1)	155 (114)	6	6/1	2052 (461)	1.7
	500	61.1 (45.1)	271 (200)	6	6/1	2394 (538)	2.9
	298	103 (76.0)	184 (136)	10	2881/286	2439 (548)	1.2
	324	94.4 (69.6)	314 (232)	9.3	1075/116	2767 (622)	2.2
	177	173 (128)	384 (283)	17	559/33	3383 (761)	1.5
	177	173 (128)	575 (424)	17	559/33	5414 (1217)	2.2
	129	237 (175)	385 (284)	23	559/24	3762 (846)	1.1
3.14 (4.21)	123	244 (180)	1000 (738)	24	11687/480	7337 (1649)	2.7
	93	324 (239)	1000 (738)	32	20677/640	8062 (1812)	2.0
	62	483 (356)	1000 (738)	48	2697/56	9210 (2071)	1.4
	63	479 (353)	1600 (1180)	48	39711/832	10923 (2456)	2.2
	46	648 (478)	1000 (738)	65	12586/195	10154 (2283)	1.0
	46	651 (480)	2574 (1899)	65	33201/512	16635 (3740)	2.6
3.19 (4.28)	86	354 (261)	600 (443)	35	4171/120	6879 (1546)	1.1
3.66 (4.91)	750	46.6 (34.4)	356 (263)	4	4/1	3346 (752)	5.1
	500	69.8 (51.5)	407 (300)	6	6/1	3830 (861)	3.9
	297	118 (87.0)	484 (357)	10	1333/132	4556 (1024)	2.7
	177	197 (145)	575 (424)	17	559/33	5414 (1217)	1.9
	129	271 (200)	600 (443)	23	559/24	6020 (1353)	1.5
3.60 (4.83)	123	279 (206)	1000 (738)	24	11687/480	7337 (1649)	2.4
	93	371 (274)	1000 (738)	32	20677/640	8062 (1812)	1.8
	87	397 (293)	1600 (1180)	35	35441/1024	9813 (2206)	2.7
	60	572 (422)	2600 (1918)	50	166005/3328	15242 (3427)	3.0
	46	744 (549)	2600 (1918)	65	33201/512	16635 (3740)	2.3

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Gearbox size	Motor shaft height	1FK7 bevel geared motors				Gearbox weight, approx. kg (lb)
		Order No.	Order codes	Type/gear shaft extension	Type of construction/ mounting position/ connector mounting position	
SH						
K102	63	1FK7063-5AF71-1 ■■■ 5-Z	B11	G . .	H . .	20.8 (45.9)
K202	63	1FK7063-5AF71-1 ■■■ 5-Z	B21	G . .	H . .	28.3 (62.4)
K102	63	1FK7063-5AF71-1 ■■■ 5-Z	B12	G . .	H . .	20.8 (45.9)
K302	63	1FK7063-5AF71-1 ■■■ 5-Z	B32	G . .	H . .	33.3 (73.4)
K302	63	1FK7063-5AF71-1 ■■■ 5-Z	B33	G . .	H . .	33.3 (73.4)
K202	63	1FK7063-5AF71-1 ■■■ 5-Z	B24	G . .	H . .	28.3 (62.4)
K302	63	1FK7063-5AF71-1 ■■■ 5-Z	B35	G . .	H . .	33.3 (73.4)
K302	63	1FK7063-5AF71-1 ■■■ 5-Z	B36	G . .	H . .	33.3 (73.4)
K402	63	1FK7063-5AF71-1 ■■■ 5-Z	B47	G . .	H . .	46.8 (103)
K513	63	1FK7063-5AF71-1 ■■■ 5-Z	B58	G . .	H . .	52.6 (116)
K202	80	1FK7080-5AF71-1 ■■■ 5-Z	B21	G . .	H . .	28.0 (61.7)
K202	80	1FK7080-5AF71-1 ■■■ 5-Z	B22	G . .	H . .	28.0 (61.7)
K202	80	1FK7080-5AF71-1 ■■■ 5-Z	B23	G . .	H . .	28.0 (61.7)
K302	80	1FK7080-5AF71-1 ■■■ 5-Z	B34	G . .	H . .	33.0 (72.8)
K202	80	1FK7080-5AF71-1 ■■■ 5-Z	B25	G . .	H . .	28.0 (61.7)
K302	80	1FK7080-5AF71-1 ■■■ 5-Z	B35	G . .	H . .	33.0 (72.8)
K402	80	1FK7080-5AF71-1 ■■■ 5-Z	B46	G . .	H . .	46.5 (103)
K513	80	1FK7080-5AF71-1 ■■■ 5-Z	B57	G . .	H . .	52.3 (115)
K613	80	1FK7080-5AF71-1 ■■■ 5-Z	B68	G . .	H . .	73.8 (163)
K202	80	1FK7083-5AF71-1 ■■■ 5-Z	B21	G . .	H . .	33.2 (73.2)
K202	80	1FK7083-5AF71-1 ■■■ 5-Z	B22	G . .	H . .	33.2 (73.2)
K302	80	1FK7083-5AF71-1 ■■■ 5-Z	B32	G . .	H . .	38.2 (84.2)
K202	80	1FK7083-5AF71-1 ■■■ 5-Z	B23	G . .	H . .	33.2 (73.2)
K302	80	1FK7083-5AF71-1 ■■■ 5-Z	B33	G . .	H . .	38.2 (84.2)
K302	80	1FK7083-5AF71-1 ■■■ 5-Z	B34	G . .	H . .	38.2 (84.2)
K402	80	1FK7083-5AF71-1 ■■■ 5-Z	B44	G . .	H . .	51.7 (114)
K302	80	1FK7083-5AF71-1 ■■■ 5-Z	B35	G . .	H . .	38.2 (84.2)
K513	80	1FK7083-5AF71-1 ■■■ 5-Z	B55	G . .	H . .	57.5 (127)
K513	80	1FK7083-5AF71-1 ■■■ 5-Z	B56	G . .	H . .	57.5 (127)
K513	80	1FK7083-5AF71-1 ■■■ 5-Z	B57	G . .	H . .	57.5 (127)
K613	80	1FK7083-5AF71-1 ■■■ 5-Z	B67	G . .	H . .	79.0 (174)
K513	80	1FK7083-5AF71-1 ■■■ 5-Z	B58	G . .	H . .	57.5 (127)
K713	80	1FK7083-5AF71-1 ■■■ 5-Z	B78	G . .	H . .	107.3 (237)
K402	80	1FK7083-5AF71-1 ■■■ 5-Z	B46	G . .	H . .	51.7 (114)
K402	100	1FK7100-5AF71-1 ■■■ 5-Z	B41	G . .	H . .	53.9 (119)
K402	100	1FK7100-5AF71-1 ■■■ 5-Z	B42	G . .	H . .	53.9 (119)
K402	100	1FK7100-5AF71-1 ■■■ 5-Z	B43	G . .	H . .	53.9 (119)
K402	100	1FK7100-5AF71-1 ■■■ 5-Z	B44	G . .	H . .	53.9 (119)
K402	100	1FK7100-5AF71-1 ■■■ 5-Z	B45	G . .	H . .	53.9 (119)
K513	100	1FK7100-5AF71-1 ■■■ 5-Z	B55	G . .	H . .	59.7 (132)
K513	100	1FK7100-5AF71-1 ■■■ 5-Z	B56	G . .	H . .	59.7 (132)
K613	100	1FK7100-5AF71-1 ■■■ 5-Z	B66	G . .	H . .	81.2 (179)
K713	100	1FK7100-5AF71-1 ■■■ 5-Z	B77	G . .	H . .	109.5 (241)
K713	100	1FK7100-5AF71-1 ■■■ 5-Z	B78	G . .	H . .	109.5 (241)

Encoder systems for motors without DRIVE-CLiQ interface: IC2048S/R encoder
AM2048S/R encoder
AM32S/R encoder
Multi-pole resolver
2-pole resolver

Encoder systems for motors with DRIVE-CLiQ interface: IC22DQ encoder
AM22DQ encoder
AM16DQ encoder
R15DQ resolver
R14DQ resolver

Holding brake: Motor without holding brake
Motor with holding brake

A
E
G
S
T

D
F
K
U
P

U
V

Order codes for type/gear shaft extension and type of construction/
mounting position/connector mounting position, see page 4/92.

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Selection and ordering data

Power at duty type S3-60 %	Output speed at the gear shaft	Rated output torque gearbox at duty type S3-60 %	Acceleration torque, max. gearbox	Nominal ratio	Exact ratio	Cantilever force, perm. gear shaft extension	Overload factor
P_2 kW (HP)	n_2 rpm	M_2 Nm (lb _f -ft)	M_{2max} Nm (lb _f -ft)	i_{nom}	i_{exact}	F_{rperm} N (lb _f)	f_B
Natural cooling – SH 100							
4.72 (6.33)	750	60.1 (44.3)	356 (263)	4	4/1	3346 (752)	3.4
	500	90.2 (66.5)	407 (300)	6	6/1	3830 (861)	2.6
	297	152 (112)	484 (357)	10	1333/132	4556 (1024)	1.8
	177	255 (188)	575 (424)	17	559/33	5414 (1217)	1.3
4.66 (6.25)	186	238 (176)	1000 (738)	16	26071/1620	6391 (1437)	2.4
	123	361 (266)	1000 (738)	24	11687/480	7337 (1649)	1.6
	125	356 (263)	1584 (1168)	24	24583/1024	8687 (1953)	2.6
	87	513 (378)	1600 (1180)	35	35441/1024	9813 (2206)	1.8
	85	525 (387)	2600 (1918)	35	567/16	13600 (3057)	2.8
4.64 (6.22)	60	739 (545)	2600 (1918)	50	166005/3328	15242 (3427)	2.0
4.63 (6.21)	46	961 (709)	2600 (1918)	65	33201/512	16635 (3740)	1.6
4.67 (6.26)	46	969 (714)	4650 (3430)	65	188387/2880	21991 (4944)	2.8
5.17 (6.93)	625	79 (58.3)	356 (263)	4	4/1	3346 (752)	2.5
5.20 (6.97)	417	119 (87.8)	407 (300)	6	6/1	3830 (861)	1.9
5.19 (6.96)	248	200 (148)	484 (357)	10	1333/132	4556 (1024)	1.4
	155	315 (232)	1000 (738)	16	203/20	5481 (1232)	2.6
5.13 (6.88)	158	310 (229)	1380 (1018)	16	26071/1620	6391 (1437)	1.8
	103	477 (352)	1000 (738)	24	54839/3456	7567 (1701)	2.5
					11687/480	7337 (1649)	1.2
	104	470 (347)	1584 (1168)	24	24583/1024	8687 (1953)	1.9
	72	678 (500)	1600 (1180)	35	35441/1024	9813 (2206)	1.3
5.16 (6.92)	71	694 (512)	2600 (1918)	35	567/16	13600 (3057)	2.1
5.12 (6.87)	50	978 (721)	2600 (1918)	50	166005/3328	15242 (3427)	1.5
5.13 (6.88)	51	960 (708)	4650 (3430)	49	5487/112	19971 (4490)	2.8
5.19 (6.96)	39	1271 (938)	2600 (1918)	65	33201/512	16635 (3740)	1.2
5.09 (6.83)	38	1280 (944)	4650 (3430)	65	188387/2880	21991 (4944)	2.1
7.93 (10.6)	750	101 (74.5)	356 (263)	4	4/1	3346 (752)	1.9
	500	151 (111)	407 (300)	6	6/1	3830 (861)	1.5
7.81 (10.5)	296	252 (186)	900 (664)	10	203/20	5481 (1232)	1.9
7.93 (10.6)	297	255 (188)	484 (357)	10	1333/132	4556 (1024)	1.0
7.80 (10.5)	189	394 (291)	1380 (1018)	16	54839/3456	7567 (1701)	1.9
	186	400 (295)	1000 (738)	16	26071/1620	6391 (1437)	1.4
	125	597 (440)	1584 (1168)	24	24583/1024	8687 (1953)	1.4
	119	626 (462)	2600 (1918)	25	64449/2560	12135 (2728)	2.3
7.84 (10.5)	85	881 (650)	2600 (1918)	35	567/16	3276 (736)	1.6
7.80 (10.5)	83	898 (662)	4255 (3139)	36	2891/80	18045 (4057)	2.6
	61	1218 (898)	4650 (3430)	49	5487/112	19971 (4490)	2.1
	60	1240 (915)	2600 (1918)	50	166005/3328	15242 (3427)	1.1
7.83 (10.5)	46	1626 (1199)	4650 (3430)	65	188387/2880	21991 (4944)	1.5

SIMOTICS servomotors

SIMOTICS S synchronous motors for SINAMICS S120

SIMOTICS S-1FK7 geared servomotors 1FK7 bevel geared motors

Gearbox size	Motor shaft height	1FK7 bevel geared motors				Gearbox weight, approx.
	SH	Order No.	Order codes	Type/gear shaft extension	Type of construction/ mounting position/ connector mounting position	kg (lb)
K402	100	1FK7101-5AF71-1 ■■■ 5-Z	B41	G . .	H . .	59.5 (131)
K402	100	1FK7101-5AF71-1 ■■■ 5-Z	B42	G . .	H . .	59.5 (131)
K402	100	1FK7101-5AF71-1 ■■■ 5-Z	B43	G . .	H . .	59.5 (131)
K402	100	1FK7101-5AF71-1 ■■■ 5-Z	B44	G . .	H . .	59.5 (131)
K513	100	1FK7101-5AF71-1 ■■■ 5-Z	B54	G . .	H . .	65.3 (144)
K513	100	1FK7101-5AF71-1 ■■■ 5-Z	B55	G . .	H . .	65.3 (144)
K613	100	1FK7101-5AF71-1 ■■■ 5-Z	B65	G . .	H . .	86.8 (191)
K613	100	1FK7101-5AF71-1 ■■■ 5-Z	B66	G . .	H . .	86.8 (191)
K713	100	1FK7101-5AF71-1 ■■■ 5-Z	B76	G . .	H . .	115.1 (254)
K713	100	1FK7101-5AF71-1 ■■■ 5-Z	B77	G . .	H . .	115.1 (254)
K713	100	1FK7101-5AF71-1 ■■■ 5-Z	B78	G . .	H . .	115.1 (254)
K813	100	1FK7101-5AF71-1 ■■■ 5-Z	B88	G . .	H . .	168.5 (372)
K402	100	1FK7103-5AF71-1 ■■■ 5-Z	B41	G . .	H . .	66.1 (146)
K402	100	1FK7103-5AF71-1 ■■■ 5-Z	B42	G . .	H . .	66.1 (146)
K402	100	1FK7103-5AF71-1 ■■■ 5-Z	B43	G . .	H . .	66.1 (146)
K513	100	1FK7103-5AF71-1 ■■■ 5-Z	B53	G . .	H . .	71.9 (159)
K513	100	1FK7103-5AF71-1 ■■■ 5-Z	B54	G . .	H . .	71.9 (159)
K613	100	1FK7103-5AF71-1 ■■■ 5-Z	B64	G . .	H . .	93.4 (206)
K513	100	1FK7103-5AF71-1 ■■■ 5-Z	B55	G . .	H . .	71.9 (159)
K613	100	1FK7103-5AF71-1 ■■■ 5-Z	B65	G . .	H . .	93.4 (206)
K613	100	1FK7103-5AF71-1 ■■■ 5-Z	B66	G . .	H . .	93.4 (206)
K713	100	1FK7103-5AF71-1 ■■■ 5-Z	B76	G . .	H . .	121.7 (268)
K713	100	1FK7103-5AF71-1 ■■■ 5-Z	B77	G . .	H . .	121.7 (268)
K813	100	1FK7103-5AF71-1 ■■■ 5-Z	B87	G . .	H . .	175.1 (386)
K713	100	1FK7103-5AF71-1 ■■■ 5-Z	B78	G . .	H . .	121.7 (268)
K813	100	1FK7103-5AF71-1 ■■■ 5-Z	B88	G . .	H . .	175.1 (386)
K402	100	1FK7105-5AF71-1 ■■■ 5-Z	B41	G . .	H . .	76.1 (168)
K402	100	1FK7105-5AF71-1 ■■■ 5-Z	B42	G . .	H . .	76.1 (168)
K513	100	1FK7105-5AF71-1 ■■■ 5-Z	B53	G . .	H . .	82.0 (181)
K402	100	1FK7105-5AF71-1 ■■■ 5-Z	B43	G . .	H . .	76.1 (168)
K613	100	1FK7105-5AF71-1 ■■■ 5-Z	B64	G . .	H . .	103 (227)
K513	100	1FK7105-5AF71-1 ■■■ 5-Z	B54	G . .	H . .	82.0 (181)
K613	100	1FK7105-5AF71-1 ■■■ 5-Z	B65	G . .	H . .	103 (227)
K713	100	1FK7105-5AF71-1 ■■■ 5-Z	B75	G . .	H . .	132 (291)
K713	100	1FK7105-5AF71-1 ■■■ 5-Z	B76	G . .	H . .	132 (291)
K813	100	1FK7105-5AF71-1 ■■■ 5-Z	B86	G . .	H . .	185 (408)
K813	100	1FK7105-5AF71-1 ■■■ 5-Z	B87	G . .	H . .	185 (408)
K713	100	1FK7105-5AF71-1 ■■■ 5-Z	B77	G . .	H . .	132 (291)
K813	100	1FK7105-5AF71-1 ■■■ 5-Z	B88	G . .	H . .	185 (408)

Encoder systems for motors without DRIVE-CLiQ interface:

IC2048S/R encoder
AM2048S/R encoder
AM32S/R encoder
Multi-pole resolver
2-pole resolver

A
E
G
S
T

Encoder systems for motors with DRIVE-CLiQ interface:

IC22DQ encoder
AM22DQ encoder
AM16DQ encoder
R15DQ resolver
R14DQ resolver

D
F
K
U
P

Holding brake: Motor without holding brake
Motor with holding brake

U
V

Order codes for type/gear shaft extension and type of construction/
mounting position/connector mounting position, see page 4/92.