

Servo Motors for SIMOVERT MASTERDRIVES

Synchronous Servo Motors

1FK7 Geared Servo Motors

Helical Geared Motors

Selection and Ordering Data

Output (S3 60%)	Output Speed	Rated Output Torque	Max. Permiss. Acceleration Torque	Nominal Ratio	Exact Ratio	Cantilever Force Gear Shaft End	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
0.30 (0.40)	782	3.63 (2.7)	19 (14)	3.8	441/115	560 (126)	4.2
	476	5.96 (4.4)	29 (21.4)	6.3	2035/323	660 (148)	3.9
	291	9.74 (7.2)	51 (37.6)	10.5	1421/138	778 (174.9)	4.2
	192	14.8 (10.9)	72 (53.1)	15.5	1595/102	894 (200.9)	3.9
	129	22 (16.2)	65 (47.9)	23	325/14	1020 (229.3)	2.4
	86	33.1 (24.4)	65 (47.9)	35	1261/36	1170 (263)	1.6
	64	44.3 (32.7)	65 (47.9)	47	7865/168	1289 (289.7)	1.2
	43	66.6 (49.2)	138 (101.8)	70	775/11	2099 (471.9)	1.7
0.41 (0.55)	782	5.02 (3.7)	36 (26.6)	3.8	441/115	560 (125.9)	6.0
	476	8.25 (6.1)	55 (40.6)	6.3	2035/323	660 (148.4)	5.6
	291	13.5 (10)	72 (53.1)	10.5	1421/138	778 (174.9)	4.5
	192	20.5 (15.1)	72 (53.1)	15.5	1595/102	894 (200.9)	3.0
	128	30.8 (22.7)	138 (101.8)	24	1035/44	1456 (327.3)	3.8
	129	30.4 (22.4)	65 (47.9)	23	325/14	1020 (229.3)	1.8
	86	45.9 (33.9)	138 (101.8)	35	2700/77	1663 (373.9)	2.5
	86	45.9 (33.9)	65 (47.9)	35	1261/36	1170 (263)	1.2
	64	61.4 (45.3)	138 (101.8)	47	516/11	1833 (412)	1.9
0.79 (1.06)	782	9.67 (7.1)	36 (26.6)	3.8	441/115	560 (126.9)	3.2
	476	15.9 (11.7)	55 (40.6)	6.3	2035/323	660 (148.4)	3.0
	291	26 (19.2)	72 (53.1)	10.5	1421/138	778 (174.9)	2.4
	191	39.6 (29.2)	138 (101.8)	15.5	377/24	1273 (286.2)	3.0
	192	39.4 (29.1)	72 (53.1)	15.5	1595/102	894 (200.1)	1.6
	128	59.3 (43.7)	138 (101.8)	24	1035/44	1456 (327.3)	2.0
	86	88.4 (65.2)	138 (101.8)	35	2700/77	1663 (373.9)	1.4
	64	118 (87)	138 (101.8)	47	516/11	1833 (412)	1.0
1.43 (1.92)	782	17.5 (12.9)	50 (36.9)	3.8	441/115	560 (125.9)	2.2
	476	28.7 (21.2)	59 (43.5)	6.3	2035/323	660 (148.4)	1.6
	511	26.8 (19.8)	102 (75.2)	5.9	47/8	917 (206.1)	3.0
	291	46.9 (34.6)	72 (53.1)	10.5	1421/138	778 (174.9)	1.2
	289	47.3 (34.9)	138 (101.8)	10.5	841/81	1109 (249.3)	2.3
	191	71.6 (52.8)	138 (101.8)	15.5	377/24	1273 (286.1)	1.5
	196	69.7 (51.4)	230 (169.7)	15.5	703/46	1775 (399)	2.6
	128	107 (78.9)	138 (101.8)	25	1035/44	1456 (327.3)	1.0
	128	107 (78.9)	350 (258.2)	24	845/36	3045 (684.5)	2.6
1.42 (1.9)	85	160 (118)	230 (169.6)	35	1372/39	2343 (526.7)	1.1
1.43 (1.92)	86	159 (117.3)	550 (405.7)	35	975/28	5961 (1340)	2.7
	60	227 (167.4)	400 (295)	50	2736/55	3911 (879.2)	1.4
1.44 (1.93)	60	229 (168.9)	600 (442.6)	50	1305/26	6734 (1513.8)	2.1
	43	319 (235.3)	550 (405.7)	70	559/8	7519 (1690.3)	1.4
	43	319 (235.3)	850 (627)	70	10075/144	9229 (2074.8)	2.1

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1FK7 Geared Servo Motors Helical Geared Motors

Gear Size	Motor Type	Helical Geared Motors		Order codes			Approx. Total Weight kg (lb)
		Order No.		Gearbox Type	Type of Construction	Mounting Position Type	
	SH						
C302	100	1FK7101 – 5AF71 – 1 ■ ■ 5 – Z		D31	G ■ ■	H ■ ■	43.8 (96.6)
C302	100	1FK7101 – 5AF71 – 1 ■ ■ 5 – Z		D32	G ■ ■	H ■ ■	43.8 (96.6)
C402	100	1FK7101 – 5AF71 – 1 ■ ■ 5 – Z		D43	G ■ ■	H ■ ■	43.8 (96.6)
C302	100	1FK7101 – 5AF71 – 1 ■ ■ 5 – Z		D33	G ■ ■	H ■ ■	54 (119.1)
C502	100	1FK7101 – 5AF71 – 1 ■ ■ 5 – Z		D54	G ■ ■	H ■ ■	65.6 (144.7)
C402	100	1FK7101 – 5AF71 – 1 ■ ■ 5 – Z		D44	G ■ ■	H ■ ■	54 (119.1)
C502	100	1FK7101 – 5AF71 – 1 ■ ■ 5 – Z		D55	G ■ ■	H ■ ■	65.6 (144.7)
C612	100	1FK7101 – 5AF71 – 1 ■ ■ 5 – Z		D65	G ■ ■	H ■ ■	80.9 (178.4)
C712	100	1FK7101 – 5AF71 – 1 ■ ■ 5 – Z		D76	G ■ ■	H ■ ■	116.2 (256.2)
C612	100	1FK7101 – 5AF71 – 1 ■ ■ 5 – Z		D67	G ■ ■	H ■ ■	80.9 (178.4)
C712	100	1FK7101 – 5AF71 – 1 ■ ■ 5 – Z		D77	G ■ ■	H ■ ■	116.2 (256.2)
C812	100	1FK7101 – 5AF71 – 1 ■ ■ 5 – Z		D88	G ■ ■	H ■ ■	175.8 (387.2)
C302	100	1FK7103 – 5AF71 – 1 ■ ■ 5 – Z		D31	G ■ ■	H ■ ■	50.4 (111.1)
C302	100	1FK7103 – 5AF71 – 1 ■ ■ 5 – Z		D32	G ■ ■	H ■ ■	50.4 (111.1)
C402	100	1FK7103 – 5AF71 – 1 ■ ■ 5 – Z		D42	G ■ ■	H ■ ■	60.6 (133.6)
C302	100	1FK7103 – 5AF71 – 1 ■ ■ 5 – Z		D33	G ■ ■	H ■ ■	50.4 (111.1)
C502	100	1FK7103 – 5AF71 – 1 ■ ■ 5 – Z		D53	G ■ ■	H ■ ■	72.2 (159.2)
C402	100	1FK7103 – 5AF71 – 1 ■ ■ 5 – Z		D44	G ■ ■	H ■ ■	60.6 (133.6)
C612	100	1FK7103 – 5AF71 – 1 ■ ■ 5 – Z		D64	G ■ ■	H ■ ■	87.5 (192.3)
C502	100	1FK7103 – 5AF71 – 1 ■ ■ 5 – Z		D55	G ■ ■	H ■ ■	72.2 (159.2)
C612	100	1FK7103 – 5AF71 – 1 ■ ■ 5 – Z		D65	G ■ ■	H ■ ■	87.5 (192.3)
C612	100	1FK7103 – 5AF71 – 1 ■ ■ 5 – Z		D66	G ■ ■	H ■ ■	87.5 (192.3)
C812	100	1FK7103 – 5AF71 – 1 ■ ■ 5 – Z		D86	G ■ ■	H ■ ■	182.4 (402.2)
C712	100	1FK7103 – 5AF71 – 1 ■ ■ 5 – Z		D77	G ■ ■	H ■ ■	122.8 (270.8)
C812	100	1FK7103 – 5AF71 – 1 ■ ■ 5 – Z		D87	G ■ ■	H ■ ■	182.4 (402.2)
C812	100	1FK7103 – 5AF71 – 1 ■ ■ 5 – Z		D88	G ■ ■	H ■ ■	182.4 (402.2)
C402	100	1FK7105 – 5AF71 – 1 ■ ■ 5 – Z		D41	G ■ ■	H ■ ■	70.6 (155.7)
C302	100	1FK7105 – 5AF71 – 1 ■ ■ 5 – Z		D31	G ■ ■	H ■ ■	60.4 (133.2)
C502	100	1FK7105 – 5AF71 – 1 ■ ■ 5 – Z		D52	G ■ ■	H ■ ■	82.2 (181.3)
C302	100	1FK7105 – 5AF71 – 1 ■ ■ 5 – Z		D32	G ■ ■	H ■ ■	60.4 (133.2)
C502	100	1FK7105 – 5AF71 – 1 ■ ■ 5 – Z		D53	G ■ ■	H ■ ■	82.2 (181.3)
C402	100	1FK7105 – 5AF71 – 1 ■ ■ 5 – Z		D43	G ■ ■	H ■ ■	70.6 (155.7)
C502	100	1FK7105 – 5AF71 – 1 ■ ■ 5 – Z		D54	G ■ ■	H ■ ■	82.2 (181.3)
C612	100	1FK7105 – 5AF71 – 1 ■ ■ 5 – Z		D64	G ■ ■	H ■ ■	97.5 (215)
C712	100	1FK7105 – 5AF71 – 1 ■ ■ 5 – Z		D75	G ■ ■	H ■ ■	132.8 (292.8)
C612	100	1FK7105 – 5AF71 – 1 ■ ■ 5 – Z		D65	G ■ ■	H ■ ■	97.5 (215)
C812	100	1FK7105 – 5AF71 – 1 ■ ■ 5 – Z		D86	G ■ ■	H ■ ■	192.4 (424.2)
C712	100	1FK7105 – 5AF71 – 1 ■ ■ 5 – Z		D76	G ■ ■	H ■ ■	132.8 (292.8)
C812	100	1FK7105 – 5AF71 – 1 ■ ■ 5 – Z		D87	G ■ ■	H ■ ■	192.4 (424.2)
C712	100	1FK7105 – 5AF71 – 1 ■ ■ 5 – Z		D77	G ■ ■	H ■ ■	132.8 (292.8)
C812	100	1FK7105 – 5AF71 – 1 ■ ■ 5 – Z		D88	G ■ ■	H ■ ■	192.4 (424.2)

• Encoder system in motor:

Incremental encoder sin/cos 1 V_{pp}
Absolute encoder EnDat 2,048 pulses/revolution (shaft height 48 and higher)
Simple absolute encoder EnDat 32 pulses/revolution (shaft height 48 and higher)
Resolver, multipole (pole number = pole number for motor)
Resolver, 2-pole

A
E
G
S
T

• Holding brake: Motor **without** holding brake
Motor **with** holding brake

U
V

For order codes for type of construction, design, and mounting position, see page 4/32

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Helical Geared Motors

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Output (S3 60%)	Output Speed	Rated Output Torque	Max. Permiss. Acceleration Torque	Nominal Ratio	Exact Ratio	Cantilever Force Gear Shaft End	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
2.23 (2.99)	782	27.2 (20.1)	50 (36.9)	3.8	441/115 47/8	560 (125.9) 917 (206.2)	1.2
	511	41.6 (30.7)	102 (75.2)	5.9			1.6
2.22 (2.98)	289	73.5 (54.2)	138 (101.8)	10.5	841/81 703/46	1109 (249.3) 1775 (399)	1.2
	196	108 (79.7)	230 (169.6)	15.5			1.4
	128	166 (122.4)	350 (258.2)	23	845/36 975/28	3045 (684.5) 5961 (1340.1)	1.4
	86	247 (182.2)	550 (405.7)	35			1.5
2.23 (2.99)	60	355 (261.8)	600 (442.6)	50	1305/26 10075/144	6734 (1513.9) 9229 (2074.8)	1.1
	43	495 (365.1)	850 (627)	70			1.1
2.07 (2.77)	773	25.6 (18.9)	101 (74.5)	3.9	1363/351	799 (179.6)	3.3
2.08 (2.79)	511	38.8 (28.6)	115 (84.8)	5.9	47/8	917 (206.2)	2.5
2.07 (2.77)	289	68.5 (50.5)	138 (101.8)	10.5	847/81 703/46	1109 (249.3) 1775 (399)	1.7
	196	101 (74.5)	230 (169.4)	15.5			1.9
2.08 (2.79)	191	104 (76.7)	138 (101.8)	15.5	377/24 845/36	1273 (286.2) 3045 (684.5)	1.1
	128	155 (114.3)	350 (258.2)	23			1.9
2.07 (2.77)	127	156 (115.1)	230 (169.4)	24	637/27 975/28	2051 (461.1) 5961 (1340.1)	1.3
	86	230 (169.6)	550 (405.7)	35			2.0
2.08 (2.79)	86	231 (170.4)	350 (258.2)	35	1261/36	3479 (782.1)	1.3
2.07 (2.77)	60	329 (242.7)	920 (678.6)	50	1943/39	8241 (1852.7)	2.4
2.09 (2.8)	44	454 (334.9)	1380 (1017.9)	69	620/9	12344 (2775.1)	2.6
3.20 (4.29)	773	39.5 (29.1)	101 (74.5)	3.9	1363/351 486/125	799 (179.6) 1125 (252.9)	1.7
	772	39.6 (29.2)	154 (113.6)	3.9			2.5
	511	59.8 (44.1)	115 (84.8)	5.9	47/8 666/115	917 (206.2) 1284 (288.7)	1.3
	518	59 (43.5)	176 (129.8)	5.8			2.0
	320	95.6 (70.5)	230 (169.6)	9.4	2450/261 3575/384	1509 (339.2) 2237 (502.9)	1.6
	322	94.8 (69.9)	350 (258.2)	9.3			2.4
3.19 (4.28)	193	158 (116.5)	400 (295)	15.5	544/35	2654 (596.6)	1.7
3.18 (4.26)	190	160 (118)	600 (442.6)	16	63/4	4576 (1028.7)	2.5
3.19 (4.28)	128	238 (175.5)	550 (405.7)	23	1495/64 1495/64	5219 (1173.3) 6402 (1439.2)	1.5
	128	238 (175.5)	850 (627)	23			2.3
3.20 (4.29)	86	355 (261.8)	550 (405.7)	35	975/28 1360/39	5961 (1340.1) 9838 (2211.7)	1.0
	86	355 (261.8)	1380 (1017.9)	35			2.6
3.19 (4.28)	60	507 (374)	920 (678.6)	50	1943/39	2265 (509.2)	1.2
3.20 (4.29)	64	477 (351.8)	1971 (1453.8)	47	515/11	14923 (3354.8)	2.7
3.23 (4.33)	44	702 (517.8)	1380 (1017.9)	69	620/9	12344 (2775.1)	1.3
3.19 (4.28)	43	708 (522.2)	2300 (1696.5)	70	765/11	17027 (3827.8)	2.1
3.66 (4.91)	774	45.1 (33.3)	251 (185.1)	3.9	190/49 2584/441	1671 (375.7) 1917 (431)	3.7
	512	68.2 (50.3)	288 (212.4)	5.9			2.8
3.64 (4.88)	322	108 (79.7)	350 (258.2)	9.3	3575/384	2237 (502.9)	2.2
3.66 (4.91)	193	181 (133.5)	400 (295)	15.5	544/35	2654 (596.6)	1.5
3.64 (4.88)	190	183 (135)	600 (442.6)	16	63/4	4576 (1028.7)	2.2
3.65 (4.89)	128	272 (200.6)	850 (627)	23	1495/64 1495/64	6402 (1439.2) 5219 (1173.3)	2.1
	128	272 (200.6)	550 (405.7)	23			1.3
3.66 (4.91)	86	406 (299.5)	1380 (1017.9)	35	1360/39	9838 (2211.7)	2.3
3.65 (4.89)	66	528 (389.5)	1380 (1017.9)	45	136/3 515/11	1852 (416.3) 14923 (3354.8)	1.7
	64	545 (402)	2300 (1696.5)	47			2.8
3.70 (4.96)	44	802 (591.6)	4140 (3053.7)	69	6209	23146 (5203.5)	3.4

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For order codes for type of construction, design, and mounting position, see 4/32

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Selection and Ordering Data

Output (S3 60%)	Output Speed	Rated Output Torque	Max. Permiss. Acceleration Torque	Nominal Ratio	Exact Ratio	Cantilever Force Gear Shaft End	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
4.73 (6.34)	774	58.3 (43)	251 (185.1)	3.9	190/49	1671 (375.7)	2.5
4.72 (6.33)	512	88.1 (65)	288 (212.4)	5.9	2584/441	1917 (431)	1.9
	324	139 (102.5)	550 (405.7)	9.3	3445/372	3834 (862)	2.3
	322	140 (103.3)	350 (258.2)	9.3	3575/384	2237 (502.9)	1.4
	191	236 (174.1)	920 (678.6)	15.5	377/24	5609 (1261)	2.2
4.70 (6.3)	190	237 (174.8)	600 (442.6)	16	63/4	4576 (1028.7)	1.5
	128	351 (258.9)	850 (627)	23	1495/64	6402 (1439.2)	1.4
4.71 (6.31)	120	375 (276.6)	1650 (1217)	25	5185/208	8797 (1977.6)	2.5
4.75 (6.37)	86	527 (388.7)	2300 (1696.5)	35	2700/77	13552 (3046.6)	2.5
4.71 (6.31)	66	682 (503)	1380 (1017.9)	45	136/3	10737 (2413.8)	1.2
4.72 (6.33)	64	704 (519.3)	2300 (1696.5)	47	515/11	14923 (3354.8)	1.9
4.77 (6.39)	44	1036 (764.2)	4140 (3053.7)	69	620/6	23146 (5203.4)	2.3
5.19 (6.96)	644	77 (56.8)	251 (185.1)	3.9	190/49	1671 (375.7)	1.9
5.18 (6.94)	423	117 (86.3)	288 (212.4)	5.9	2584/441	1917 (431)	2.0
5.19 (6.96)	424	117 (86.3)	420 (309.8)	5.9	377/64	3297 (741.1)	1.4
5.18 (6.94)	269	184 (135.7)	350 (258.2)	9.3	3575/384	2237 (502.9)	2.5
5.20 (6.97)	241	206 (151.9)	920 (678.2)	10.5	841/81	4886 (1098.4)	1.1
5.21 (6.98)	159	313 (230.9)	600 (442.6)	16	63/4	4576 (1028.7)	1.1
5.19 (6.96)	154	322 (237.5)	1650 (1217)	16	1037/64	7620 (1713)	2.9
5.20 (6.97)	107	464 (342.2)	850 (627)	23	1495/64	6402 (1439.2)	1.9
5.19 (6.96)	100	496 (365.8)	1650 (1217)	25	5185/208	8797 (1977.6)	1.1
5.23 (7.01)	72	694 (511.9)	1380 (1017.9)	35	1360/39	9838 (2211.7)	3.4
	71	703 (518.5)	4140 (3053.7)	35	106/3	18528 (4165.3)	1.1
5.17 (6.93)	53	931 (686.7)	2300 (1696.5)	47	515/11	14923 (3354.8)	2.2
5.18 (6.94)	46	1076 (793.7)	4140 (3053.7)	54	704/13	21362 (4802.4)	1.2
5.16 (6.92)	36	1370 (1010.5)	4140 (3053.7)	69	620/9	23146 (5203.4)	1.1
7.92 (10.62)	770	98.2 (72.4)	366 (270)	4.7	841/216	2872 (645.7)	2.0
7.93 (10.63)	774	97.8 (72.1)	251 (185.1)	3.9	190/49	1671 (375.7)	1.4
7.95 (10.66)	513	148 (109.2)	650 (479.4)	5.9	117/20	4036 (907.3)	2.4
7.91 (10.6)	475	159 (117.3)	296 (218.3)	6.3	221/35	1965 (441.7)	1.0
7.94 (10.64)	324	234 (172.6)	850 (627)	9.3	3445/372	4703 (1057.2)	2.0
	324	234 (172.6)	550 (405.7)	9.3	3445/372	3834 (862)	1.3
7.92 (10.62)	191	396 (292.1)	920 (678.6)	16	377/24	5609 (1261)	1.3
	185	409 (301.7)	1650 (1217)	16	1037/64	7620 (1713)	2.2
7.90 (10.59)	129	585 (431.5)	2300 (1696.5)	23	255/11	11806 (2654)	2.1
	120	629 (464)	1650 (1217)	25	5185/208	8797 (1997.6)	1.4
7.93 (10.63)	85	891 (657.2)	4140 (3053.7)	36	106/3	18528 (4165.2)	2.5
7.96 (10.67)	86	884 (652)	2300 (1696.5)	35	2700/77	13552 (3046.1)	1.4
7.93 (10.63)	66	1148 (846.8)	4140 (3053.7)	46	592/13	20163 (4532.8)	2.0
7.91 (10.6)	64	1181 (871.1)	2300 (1696.5)	47	515/11	14923 (3354.8)	1.1
8.00 (10.72)	44	1737 (1281.2)	4140 (3053.7)	69	620/9	23146 (5203.5)	1.3

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		Order No.		Gearbox Type	Type of Construction	Mounting Position Type	
	SH						
C002	63	1FK7063 – 5AF71 – 1 ■ ■ 5 – Z		D01	G ■ ■	H ■ ■	17.1 (37.7)
C102	63	1FK7063 – 5AF71 – 1 ■ ■ 5 – Z		D12	G ■ ■	H ■ ■	22 (48.5)
C102	63	1FK7063 – 5AF71 – 1 ■ ■ 5 – Z		D13	G ■ ■	H ■ ■	22 (48.5)
C202	63	1FK7063 – 5AF71 – 1 ■ ■ 5 – Z		D24	G ■ ■	H ■ ■	26 (57.3)
C302	63	1FK7063 – 5AF71 – 1 ■ ■ 5 – Z		D35	G ■ ■	H ■ ■	31.1 (68.6)
C402	63	1FK7063 – 5AF71 – 1 ■ ■ 5 – Z		D46	G ■ ■	H ■ ■	41.3 (91.1)
C402	63	1FK7063 – 5AF71 – 1 ■ ■ 5 – Z		D47	G ■ ■	H ■ ■	41.3 (91.1)
C502	63	1FK7063 – 5AF71 – 1 ■ ■ 5 – Z		D58	G ■ ■	H ■ ■	52.9 (116.6)
C102	80	1FK7080 – 5AF71 – 1 ■ ■ 5 – Z		D11	G ■ ■	H ■ ■	21.7 (47.8)
C102	80	1FK7080 – 5AF71 – 1 ■ ■ 5 – Z		D12	G ■ ■	H ■ ■	21.7 (47.8)
C102	80	1FK7080 – 5AF71 – 1 ■ ■ 5 – Z		D13	G ■ ■	H ■ ■	21.7 (47.8)
C202	80	1FK7080 – 5AF71 – 1 ■ ■ 5 – Z		D24	G ■ ■	H ■ ■	25.7 (56.7)
C102	80	1FK7080 – 5AF71 – 1 ■ ■ 5 – Z		D14	G ■ ■	H ■ ■	21.7 (47.8)
C302	80	1FK7080 – 5AF71 – 1 ■ ■ 5 – Z		D35	G ■ ■	H ■ ■	30.8 (67.9)
C202	80	1FK7080 – 5AF71 – 1 ■ ■ 5 – Z		D25	G ■ ■	H ■ ■	25.7 (56.7)
C402	80	1FK7080 – 5AF71 – 1 ■ ■ 5 – Z		D46	G ■ ■	H ■ ■	41 (90.4)
C302	80	1FK7080 – 5AF71 – 1 ■ ■ 5 – Z		D36	G ■ ■	H ■ ■	30.8 (67.9)
C502	80	1FK7080 – 5AF71 – 1 ■ ■ 5 – Z		D57	G ■ ■	H ■ ■	52.6 (116)
C612	80	1FK7080 – 5AF71 – 1 ■ ■ 5 – Z		D68	G ■ ■	H ■ ■	67.9 (149.7)
C102	80	1FK7083 – 5AF71 – 1 ■ ■ 5 – Z		D11	G ■ ■	H ■ ■	26.9 (59.3)
C202	80	1FK7083 – 5AF71 – 1 ■ ■ 5 – Z		D21	G ■ ■	H ■ ■	30.9 (68.1)
C102	80	1FK7083 – 5AF71 – 1 ■ ■ 5 – Z		D12	G ■ ■	H ■ ■	26.9 (59.3)
C202	80	1FK7083 – 5AF71 – 1 ■ ■ 5 – Z		D22	G ■ ■	H ■ ■	30.9 (68.1)
C202	80	1FK7083 – 5AF71 – 1 ■ ■ 5 – Z		D23	G ■ ■	H ■ ■	30.9 (68.1)
C302	80	1FK7083 – 5AF71 – 1 ■ ■ 5 – Z		D33	G ■ ■	H ■ ■	36 (79.4)
C302	80	1FK7083 – 5AF71 – 1 ■ ■ 5 – Z		D34	G ■ ■	H ■ ■	36 (79.4)
C402	80	1FK7083 – 5AF71 – 1 ■ ■ 5 – Z		D44	G ■ ■	H ■ ■	46.2 (101.9)
C402	80	1FK7083 – 5AF71 – 1 ■ ■ 5 – Z		D45	G ■ ■	H ■ ■	46.2 (101.9)
C502	80	1FK7083 – 5AF71 – 1 ■ ■ 5 – Z		D55	G ■ ■	H ■ ■	57.8 (127.5)
C402	80	1FK7083 – 5AF71 – 1 ■ ■ 5 – Z		D46	G ■ ■	H ■ ■	46.2 (101.9)
C612	80	1FK7083 – 5AF71 – 1 ■ ■ 5 – Z		D66	G ■ ■	H ■ ■	73.1 (161.2)
C502	80	1FK7083 – 5AF71 – 1 ■ ■ 5 – Z		D57	G ■ ■	H ■ ■	57.8 (127.5)
C712	80	1FK7083 – 5AF71 – 1 ■ ■ 5 – Z		D77	G ■ ■	H ■ ■	108.4 (239)
C612	80	1FK7083 – 5AF71 – 1 ■ ■ 5 – Z		D68	G ■ ■	H ■ ■	73.1 (161.2)
C712	80	1FK7083 – 5AF71 – 1 ■ ■ 5 – Z		D78	G ■ ■	H ■ ■	108.4 (239)
C302	100	1FK7100 – 5AF71 – 1 ■ ■ 5 – Z		D31	G ■ ■	H ■ ■	38.2 (84.2)
C302	100	1FK7100 – 5AF71 – 1 ■ ■ 5 – Z		D32	G ■ ■	H ■ ■	38.2 (84.2)
C302	100	1FK7100 – 5AF71 – 1 ■ ■ 5 – Z		D33	G ■ ■	H ■ ■	38.2 (84.2)
C302	100	1FK7100 – 5AF71 – 1 ■ ■ 5 – Z		D34	G ■ ■	H ■ ■	38.2 (84.2)
C402	100	1FK7100 – 5AF71 – 1 ■ ■ 5 – Z		D44	G ■ ■	H ■ ■	48.4 (106.7)
C502	100	1FK7100 – 5AF71 – 1 ■ ■ 5 – Z		D55	G ■ ■	H ■ ■	60 (132.3)
C402	100	1FK7100 – 5AF71 – 1 ■ ■ 5 – Z		D45	G ■ ■	H ■ ■	48.4 (106.7)
C612	100	1FK7100 – 5AF71 – 1 ■ ■ 5 – Z		D66	G ■ ■	H ■ ■	75.3 (166)
C612	100	1FK7100 – 5AF71 – 1 ■ ■ 5 – Z		D67	G ■ ■	H ■ ■	75.3 (166)
C712	100	1FK7100 – 5AF71 – 1 ■ ■ 5 – Z		D77	G ■ ■	H ■ ■	110.6 (243.8)
C812	100	1FK7100 – 5AF71 – 1 ■ ■ 5 – Z		D88	G ■ ■	H ■ ■	170.2 (375.3)
• Encoder system in motor:		Incremental encoder sin/cos 1 V _{pp} Absolute encoder EnDat 2,048 pulses/revolution (shaft height 48 and higher) Simple absolute encoder EnDat 32 pulses/revolution (shaft height 48 and higher) Resolver, multipole (pole number = pole number for motor) Resolver, 2-pole	A E G S T				
• Holding brake:		Motor without holding brake Motor with holding brake	U V				

For order codes for type of construction, design, and mounting position, see page 4/32