Selection and ordering data

Continuous thermal feedrate force range[1)3)]	Rated feedrate force, typ.[2)3)]	Feedrate force, max.	Maximum velocity[4)]		1FN6 linear motors		Weight, approx.	
$F_{rated, th}$	F_{rated}	F_{max}	v_{max} at F_{max}	v_{max} at F_{rated}	**Primary section**	**Secondary section**	Primary section	Secondary section 200 mm (7.87 in)/ 500 mm (19.69 in)
N (lb$_f$)	N (lb$_f$)	N (lb$_f$)	m/min (ft/min)	m/min (ft/min)	Order No.	Order No.	kg (lb)	kg (lb)
Natural cooling								
49 ... 119	66.3 (14.9)	157 (35.3)	345 (1132)	748 (2454)	**1FN6003-1LC57-0FA1**	**1FN6003-1S■00-0AA0**	3.19 (7.03)	0.76/1.89 (1.68/4.17)
(11 ... 27)			503 (1650)	1080 (3543)	**1FN6003-1LC84-0FA1**			
98 ... 239	133 (29.9)	315 (70.8)	226 (742)	515 (1690)	**1FN6003-1LE38-0FA1**		4.99 (11.0)	
(22 ... 54)			572 (1877)	1280 (4200)	**1FN6003-1LE88-0FA1**			
147 ... 358	199 (44.7)	472 (106)	141 (463)	333 (1093)	**1FN6003-1LG24-0FA1**		6.79 (15.0)	
(33 ... 80)			366 (1201)	836 (2743)	**1FN6003-1LG61-0FA1**			
196 ... 477	265 (59.6)	630 (142)	99.6(327)	243 (797)	**1FN6003-1LJ17-0FA1**		8.59 (18.9)	
(44 ... 107)			267 (876)	618 (2028)	**1FN6003-1LJ44-0FA1**			
245 ... 597	332 (74.6)	787 (177)	74.7(245)	190 (623)	**1FN6003-1LL12-0FA1**		10.4 (22.9)	
(55 ... 134)			208 (682)	488 (1601)	**1FN6003-1LL35-0FA1**			
294 ... 716	398 (89.5)	945 (212)	57.9(190)	155 (509)	**1FN6003-1LN10-0FA1**		12.2 (26.9)	
(66 ... 161)			169 (554)	402 (1319)	**1FN6003-1LN28-0FA1**			
98 ... 239	133 (29.9)	315 (70.8)	187 (614)	386 (1266)	**1FN6007-1LC31-0KA1**	**1FN6007-1S■00-0AA0**	5.08 (11.2)	1.61/4.03 (3.55/8.89)
(22 ... 54)			276 (906)	562 (1844)	**1FN6007-1LC46-0KA1**			
196 ... 477	265 (59.6)	630 (142)	120 (394)	265 (869)	**1FN6007-1LE20-0KA1**		8.39 (18.5)	
(44 ... 107)			315 (1034)	668 (2192)	**1FN6007-1LE53-0KA1**			
294 ... 716	398 (89.5)	945 (212)	71.7(235)	169 (554)	**1FN6007-1LG12-0KA1**		11.7 (25.8)	
(66 ... 161)			200 (656)	435 (1427)	**1FN6007-1LG33-0KA1**			
392 ... 955	531 (119)	1260 (283)	47.4(156)	122 (400)	**1FN6007-1LJ08-0KA1**		15 (33.1)	
(88 ... 215)			143 (469)	320 (1050)	**1FN6007-1LJ24-0KA1**			
490 ... 1190	663 (149)	1570 (353)	32.4(106)	93.9 (308)	**1FN6007-1LL05-0KA1**		18.3 (40.4)	
(110 ... 268)			110 (361)	251 (824)	**1FN6007-1LL18-0KA1**			
588 ... 1430	796 (179)	1890 (425)	87.9(288)	206 (676)	**1FN6007-1LN15-0KA1**		21.6 (47.6)	
(132 ... 321)			194 (637)	429 (1408)	**1FN6007-1LN32-0KA1**			

Type of connection:	
1FN6003 motors	
Permanently connected power and signal cables pre-assembled with connectors Length: 0.5 m (1.64 ft)	**F**
1FN6007 motors	
Two separate integrated sockets, for power and signal cables	**K**
Secondary section:	
Length: 200 mm (7.87 in)	**C**
Length: 500 mm (19.69 in)	**F**

Motor type Primary section (repeated)	Continuous thermal current range[1)3)]	Rated current, typ.[2)3)]	Maximum current	Calculated power	SINAMICS S120 Motor Module		Power cable with complete shield		
					Required rated current[5)]	Booksize format For additional versions and components see chapter SINAMICS S120 drive system	Pre-assembled cable to the drive system		
							Power connector	Cable cross-section[6)]	
	$I_{rated, th}$	I_{rated}	I_{max}	$P_{el, max}$	I_{rated} / I_{max}				
		A	A	kW (HP)	A	Order No.	Size	mm^2	Order No.
1FN6003-1LC57-....	1.17 ... 3.2	1.61	5.18	1.29 (1.73)	5/10	**6SL312■-■TE15-0AA3**	1	4 × 1.5	**6FX8002-5CN01-....**
1FN6003-1LC84-....	1.69 ... 4.6	2.31	7.45	1.71 (2.29)	5/10	**6SL312■-■TE15-0AA3**	1	4 × 1.5	**6FX8002-5CN01-....**
1FN6003-1LE38-....	1.69 ... 4.6	2.31	7.45	1.97 (2.64)	5/10	**6SL312■-■TE15-0AA3**	1	4 × 1.5	**6FX8002-5CN01-....**
1FN6003-1LE88-....	4.11 ... 11.2	5.63	18.2	3.86 (5.18)	9/18	**6SL312■-■TE21-0AA3**	1	4 × 1.5	**6FX8002-5CN01-....**
1FN6003-1LG24-....	1.69 ... 4.6	2.31	7.45	2.28 (3.06)	5/10	**6SL312■-■TE15-0AA3**	1	4 × 1.5	**6FX8002-5CN01-....**
1FN6003-1LG61-....	4.11 ... 11.2	5.63	18.2	4.16 (5.58)	9/18	**6SL312■-■TE21-0AA3**	1	4 × 1.5	**6FX8002-5CN01-....**
1FN6003-1LJ17-....	1.69 ... 4.6	2.31	7.45	2.61 (3.50)	5/10	**6SL312■-■TE15-0AA3**	1	4 × 1.5	**6FX8002-5CN01-....**
1FN6003-1LJ44-....	4.11 ... 11.2	5.63	18.2	4.49 (6.02)	9/18	**6SL312■-■TE21-0AA3**	1	4 × 1.5	**6FX8002-5CN01-....**
1FN6003-1LL12-....	1.69 ... 4.6	2.31	7.45	2.93 (3.93)	5/10	**6SL312■-■TE15-0AA3**	1	4 × 1.5	**6FX8002-5CN01-....**
1FN6003-1LL35-....	4.11 ... 11.2	5.63	18.2	4.84 (6.49)	9/18	**6SL312■-■TE21-0AA3**	1	4 × 1.5	**6FX8002-5CN01-....**
1FN6003-1LN10-....	1.69 ... 4.6	2.31	7.45	3.25 (4.36)	5/10	**6SL312■-■TE15-0AA3**	1	4 × 1.5	**6FX8002-5CN01-....**
1FN6003-1LN28-....	4.11 ... 11.2	5.63	18.2	5.2 (6.97)	9/18	**6SL312■-■TE21-0AA3**	1	4 × 1.5	**6FX8002-5CN01-....**
1FN6007-1LC31-....	1.17 ... 3.2	1.61	5.18	1.59 (2.13)	5/10	**6SL312■-■TE15-0AA3**	1	4 × 1.5	**6FX8002-5CN01-....**
1FN6007-1LC46-....	1.69 ... 4.6	2.31	7.45	2.07 (2.78)	5/10	**6SL312■-■TE15-0AA3**	1	4 × 1.5	**6FX8002-5CN01-....**
1FN6007-1LE20-....	1.69 ... 4.6	2.31	7.45	2.5 (3.35)	5/10	**6SL312■-■TE15-0AA3**	1	4 × 1.5	**6FX8002-5CN01-....**
1FN6007-1LE53-....	4.11 ... 11.2	5.63	18.2	4.65 (6.24)	9/18	**6SL312■-■TE21-0AA3**	1	4 × 1.5	**6FX8002-5CN01-....**
1FN6007-1LG12-....	1.69 ... 4.6	2.31	7.45	2.98 (4.00)	5/10	**6SL312■-■TE15-0AA3**	1	4 × 1.5	**6FX8002-5CN01-....**
1FN6007-1LG33-....	4.11 ... 11.2	5.63	18.2	5.14 (6.89)	9/18	**6SL312■-■TE21-0AA3**	1	4 × 1.5	**6FX8002-5CN01-....**
1FN6007-1LJ08-....	1.69 ... 4.6	2.31	7.45	3.46 (4.64)	5/10	**6SL312■-■TE15-0AA3**	1	4 × 1.5	**6FX8002-5CN01-....**
1FN6007-1LJ24-....	4.11 ... 11.2	5.63	18.2	5.67 (7.60)	9/18	**6SL312■-■TE21-0AA3**	1	4 × 1.5	**6FX8002-5CN01-....**
1FN6007-1LL05-....	1.69 ... 4.6	2.31	7.45	3.93 (5.27)	5/10	**6SL312■-■TE15-0AA3**	1	4 × 1.5	**6FX8002-5CN01-....**
1FN6007-1LL18-....	4.11 ... 11.2	5.63	18.2	6.21 (8.33)	9/18	**6SL312■-■TE21-0AA3**	1	4 × 1.5	**6FX8002-5CN01-....**
1FN6007-1LN15-....	4.11 ... 11.2	5.63	18.2	6.74 (9.04)	9/18	**6SL312■-■TE21-0AA3**	1	4 × 1.5	**6FX8002-5CN01-....**
1FN6007-1LN32-....	8.22 ... 21	11.3	36.3	10.1 (13.5)	18/36	**6SL312■-■TE21-8AA3**	1	4 × 2.5	**6FX8002-5CN11-....**

Cooling:	
Internal air cooling	**0**
External air cooling	**1**
Motor Module:	
Single Motor Module	**1**
Double Motor Module	**2**

Length code	**....**

Further information about the cables can be found in chapter Connection system MOTION-CONNECT.

[1)] The continuous thermal feedrate force $F_{rated,th}$, that the linear motor can achieve, depends on the installation position and ambient conditions and the cooling efficiency that is achieved. Large cooling surfaces and/or high air flow speeds ensure that the linear motors achieve a higher continuous thermal current $I_{rated,th}$ and therefore a higher feedrate force. The winding is protected against overloading by means of temperature monitoring circuits.
Selection of the Motor Modules and power cables is based on increased continuous current. If a lower continuous current is required in the application, where necessary, a Motor Module with a lower rating and the appropriate power cable can be used.

[2)] The rated feedrate force F_{rated} and the corresponding rated current I_{rated} specify values that are typically achieved. The values refer to a black aluminum plate to which the motor is bolted. The radiation surface of the plate is three times the size of the area to which the primary section is bolted.

[3)] A reduction of up to 30 % must be expected in case of motor standstill, at very low velocities, or with very short traverse paths.

[4)] Velocity values refer to a DC link voltage of the drive system of 600 V DC.

[5)] The Motor Module is selected on the basis of the maximum current I_{max}. In some cases, to fully utilize the feedrate force $F_{max}$the next largest Motor Module must be used. If a Motor Module with a higher rating is used, you must check whether the specified power cable can be connected to it.

[6)] The current carrying capacity of the power cables complies with EN 60204-1 for installation type C, for continuous duty at an ambient air temperature of 40 °C (104 °F).

Selection and ordering data

Continuous thermal feed-rate force range[1)3)]	Rated feedrate force, typ.[2)3)]	Feedrate force, max.	Maximum velocity[4)]		1FN6 linear motors		Weight, approx.	
$F_{rated, th}$	F_{rated}	F_{max}	v_{max} at F_{max}	v_{max} at F_{rated}	**Primary section**	**Secondary section**	Primary section	Secondary section 200 mm (7.87 in)
N (lb_f)	N (lb_f)	N (lb_f)	m/min (ft/min)	m/min (ft/min)	Order No.	Order No.	kg (lb)	kg (lb)
Natural cooling								
309 ... 572	374 (84.1)	898 (202)	98.5 (323)	218 (715)	**1FN6008-1LC17-0KA1**	**1FN6008-1SC00-0AA0**	16.3 (35.9)	2.81 (6.20)
(69 ... 129)			224 (735)	473 (1552)	**1FN6008-1LC37-0KA1**			
617 ... 1140	749 (168)	1800 (405)	96.8 (318)	221 (725)	**1FN6008-1LE16-0KA1**		27.9 (61.5)	
(139 ... 256)			207 (679)	456 (1496)	**1FN6008-1LE34-0KA1**			
926 ... 1720	1120 (252)	2690 (605)	96.7 (317)	224 (735)	**1FN6008-1LG16-0KA1**		39.6 (87.3)	
(208 ... 387)			200 (656)	449 (1473)	**1FN6008-1LG33-0KA1**			
543 ... 1140	692 (156)	1800 (405)	110 (361)	241 (791)	**1FN6016-1LC18-0KA1**	**1FN6016-1SC00-0AA0**	27.6 (60.9)	5.42 (11.9)
(122 ... 256)			176 (577)	377 (1237)	**1FN6016-1LC30-0KA1**			
1090 ... 2290	1380 (310)	3590 (807)	101 (331)	233 (764)	**1FN6016-1LE17-0KA1**		48.2 (106)	
(245 ... 515)			162 (532)	365 (1198)	**1FN6016-1LE27-0KA1**			
1630 ... 3430	2070 (465)	5390 (1212)	98.2 (322)	230 (755)	**1FN6016-1LG16-0KA1**		68.5 (151)	
(366 ... 771)			156 (512)	360 (1181)	**1FN6016-1LG26-0KA1**			
758 ... 1720	1000 (225)	2690 (605)	70.1 (230)	160 (525)	**1FN6024-1LC12-0KA1**	**1FN6024-1SC00-0AA0**	39.9 (88.0)	7.96 (17.6)
(170 ... 387)			115 (377)	252 (827)	**1FN6024-1LC20-0KA1**			
1520 ... 3430	2000 (450)	5390 (1212)	64.8 (213)	155 (509)	**1FN6024-1LE11-0KA1**		69.5 (153)	
(342 ... 771)			106 (348)	244 (801)	**1FN6024-1LE18-0KA1**			
2270 ... 5140	3000 (674)	8080 (1816)	62.8 (206)	153 (502)	**1FN6024-1LG10-0KA1**		99.2 (219)	
(510 ... 1156)			102 (335)	241 (791)	**1FN6024-1LG17-0KA1**			

Type of connection:	
1FN6008 to 1FN6024 motors	
Two separate integrated sockets, for power and signal cables	**K**

Motor type Primary section (repeated)	Continuous thermal current range[1)3)]	Rated current, typ.[2)3)]	Maximum current	Calculated power	SINAMICS S120 Motor Module		Power cable with complete shield		
					Required rated current[5)]	Booksize format For additional versions and components see chapter SINAMICS S120 drive system	Pre-assembled cable to the drive system		
							Power connector	Cable cross-section[6)]	
	$I_{rated, th}$	I_{rated}	I_{max}	$P_{el, max}$	I_{rated} / I_{max}				
		A	A	kW (HP)	A	Order No.	Size	mm^2	Order No.
1FN6008-1LC17-...	2.22 ... 4.32	2.71	8.64	3.09 (4.14)	5/10	**6SL312■-■TE15-0AA3**	1	4 × 1.5	**6FX8002-5CN01-....**
1FN6008-1LC37-...	4.62 ... 9	5.65	18	4.88 (6.54)	9/18	**6SL312■-■TE21-0AA3**	1	4 × 1.5	**6FX8002-5CN01-....**
1FN6008-1LE16-...	4.62 ... 9	5.65	18	5.93 (7.95)	9/18	**6SL312■-■TE21-0AA3**	1	4 × 1.5	**6FX8002-5CN01-....**
1FN6008-1LE34-...	9.24 ... 18	11.3	36	9.28 (12.4)	18/36	**6SL312■-■TE21-8AA3**	1	4 × 2.5	**6FX8002-5CN11-....**
1FN6008-1LG16-...	7.11 ... 13.8	8.69	27.7	8.87 (11.9)	18/36	**6SL312■-■TE21-8AA3**	1	4 × 1.5	**6FX8002-5CN01-....**
1FN6008-1LG33-...	13.9 ... 27	17	54	13.7 (18.4)	30/56	**6SL312■-1 TE23-0AA3**	1.5	4 × 4	**6FX8002-5CN41-....**
1FN6016-1LC18-...	4.05 ... 9	5.2	18	5.77 (7.74)	9/18	**6SL312■-■TE21-0AA3**	1	4 × 1.5	**6FX8002-5CN01-....**
1FN6016-1LC30-...	6.23 ... 13.8	8	27.7	7.75 (10.4)	18/36	**6SL312■-■TE21-8AA3**	1	4 × 1.5	**6FX8002-5CN01-....**
1FN6016-1LE17-...	8.11 ... 18	10.4	36	11.1 (14.9)	18/36	**6SL312■-■TE21-8AA3**	1	4 × 2.5	**6FX8002-5CN11-....**
1FN6016-1LE27-...	12.5 ... 27.7	16	55.4	14.8 (19.8)	30/56	**6SL312■-1 TE23-0AA3**	1.5	4 × 4	**6FX8002-5CN41-....**
1FN6016-1LG16-...	12.2 ... 27	15.6	54.1	16.4 (22.0)	30/56	**6SL312■-1 TE23-0AA3**	1.5	4 × 4	**6FX8002-5CN41-....**
1FN6016-1LG26-...	18.7 ... 41.5	24	83.1	21.9 (29.4)	45/85	**6SL312■-1 TE24-5AA3**	1.5	4 × 10	**6FX8002-5CN64-....**
1FN6024-1LC12-...	3.76 ... 9	5	18	6.59 (8.84)	9/18	**6SL312■-■TE21-0AA3**	1	4 × 1.5	**6FX8002-5CN01-....**
1FN6024-1LC20-...	5.79 ... 13.8	7.69	27.7	8.6 (11.5)	18/36	**6SL312■-■TE21-8AA3**	1	4 × 1.5	**6FX8002-5CN01-....**
1FN6024-1LE11-...	7.53 ... 18	10	36	12.8 (17.2)	18/36	**6SL312■-■TE21-8AA3**	1	4 × 2.5	**6FX8002-5CN11-....**
1FN6024-1LE18-...	11.6 ... 27.7	15.4	55.4	16.5 (22.1)	30/56	**6SL312■-1 TE23-0AA3**	1.5	4 × 4	**6FX8002-5CN41-....**
1FN6024-1LG10-...	11.3 ... 27	15	54.1	18.9 (25.3)	30/56	**6SL312■-1 TE23-0AA3**	1.5	4 × 4	**6FX8002-5CN41-....**
1FN6024-1LG17-...	17.4 ... 41.5	23.1	83.1	24.5 (32.9)	45/85	**6SL312■-1 TE24-5AA3**	1.5	4 × 10	**6FX8002-5CN64-....**

Cooling:	
Internal air cooling	**0**
External air cooling	**1**
Motor Module:	
Single Motor Module	**1**
Double Motor Module	**2**

Length code	**....**

Further information about the cables can be found in chapter Connection system MOTION-CONNECT.

6

1) The continuous thermal feedrate force $F_{rated,th}$, that the linear motor can achieve, depends on the installation position and ambient conditions and the cooling efficiency that is achieved. Large cooling surfaces and/or high air flow speeds ensure that the linear motors achieve a higher continuous thermal current $I_{rated,th}$ and therefore a higher feedrate force. The winding is protected against overloading by means of temperature monitoring circuits.
Selection of the Motor Modules and power cables is based on increased continuous current. If a lower continuous current is required in the application, where necessary, a Motor Module with a lower rating and the appropriate power cable can be used.

2) The rated feedrate force F_{rated} and the corresponding rated current I_{rated} specify values that are typically achieved. The values refer to a black aluminum plate to which the motor is bolted. The radiation surface of the plate is three times the size of the area to which the primary section is bolted.

3) A reduction of up to 30 % must be expected in case of motor standstill, at very low velocities, or with very short traverse paths.

4) Velocity values refer to a DC link voltage of the drive system of 600 V DC.

5) The Motor Module is selected on the basis of the maximum current I_{max}. In some cases, to fully utilize the feedrate force $F_{max}$the next largest Motor Module must be used. If a Motor Module with a higher rating is used, you must check whether the specified power cable can be connected to it.

6) The current carrying capacity of the power cables complies with EN 60204-1 for installation type C, for continuous duty at an ambient air temperature of 40 °C (104 °F).

Selection and ordering data

Feedrate force[1)2)]		Maximum velocity[3)]		1FN6 linear motors		Weight, approx.	
F_{rated}	F_{max}	v_{max} at F_{max}	v_{max} at F_{rated}	**Primary section**	**Secondary section**	Primary section	Secondary section 200 mm (7.87 in)/ 500 mm (19.69 in)
N (lb$_f$)	N (lb$_f$)	m/min (ft/min)	m/min (ft/min)	Order No.	Order No.	kg (lb)	kg (lb)
Water cooling							
119 (27)	157 (35.3)	345 (1132)	509 (1670)	**1FN6003-1WC57-0FA1**	**1FN6003-1S■00-0AA0**	3.19 (7.03)	0.76/1.89 (1.68/4.17)
		503 (1650)	740 (2428)	**1FN6003-1WC84-0FA1**			
239 (54)	315 (70.8)	226 (742)	339 (1112)	**1FN6003-1WE38-0FA1**		4.99 (11.0)	
		572 (1877)	852 (2795)	**1FN6003-1WE88-0FA1**			
358 (80)	472 (106)	141 (463)	215 (705)	**1FN6003-1WG24-0FA1**		6.79 (15.0)	
		366 (1201)	549 (1801)	**1FN6003-1WG61-0FA1**			
477 (107)	630 (142)	99.6 (327)	155 (509)	**1FN6003-1WJ17-0FA1**		8.59 (18.9)	
		267 (876)	402 (1319)	**1FN6003-1WJ44-0FA1**			
597 (134)	787 (177)	74.7 (245)	119 (390)	**1FN6003-1WL12-0FA1**		10.4 (22.9)	
		208 (682)	316 (1037)	**1FN6003-1WL35-0FA1**			
716 (161)	945 (212)	57.9 (190)	95.1 (312)	**1FN6003-1WN10-0FA1**		12.2 (26.9)	
		169 (554)	258 (846)	**1FN6003-1WN28-0FA1**			
239 (54)	315 (70.8)	187 (614)	272 (892)	**1FN6007-1WC31-0KA1**	**1FN6007-1S■00-0AA0**	5.08 (11.2)	1.61/4.03 (3.55/8.89)
		276 (906)	399 (1309)	**1FN6007-1WC46-0KA1**			
477 (107)	630 (142)	120 (394)	180 (591)	**1FN6007-1WE20-0KA1**		8.39 (18.5)	
		315 (1034)	462 (1516)	**1FN6007-1WE53-0KA1**			
716 (161)	945 (212)	71.7 (235)	111 (364)	**1FN6007-1WG12-0KA1**		11.7 (25.8)	
		200 (656)	296 (971)	**1FN6007-1WG33-0KA1**			
955 (215)	1260 (283)	47.4 (156)	77.6 (255)	**1FN6007-1WJ08-0KA1**		15 (33.1)	
		143 (469)	215 (705)	**1FN6007-1WJ24-0KA1**			
1190 (268)	1570 (353)	32.4 (106)	57.5 (189)	**1FN6007-1WL05-0KA1**		18.3 (40.4)	
		110 (361)	167 (548)	**1FN6007-1WL18-0KA1**			
1430 (321)	1890 (425)	87.9 (288)	135 (443)	**1FN6007-1WN15-0KA1**		21.6 (47.6)	
		194 (637)	288 (879)	**1FN6007-1WN32-0KA1**			

Type of connection:	
1FN6003 motors	
Permanently connected power and signal cables pre-assembled with connectors Length: 0.5 m (1.64 ft)	**F**
1FN6007 motors	
Two separate integrated sockets, for power and signal cables	**K**

Secondary section:	
Length: 200 mm (7.87 in)	**C**
Length: 500 mm (19.69 in)	**F**

Motor type Primary section (repeated)	Rated current, typ.[1]	Maximum current	Calculated power	SINAMICS S120 Motor Module		Power cable with complete shield		
				Required rated current	Booksize format For additional versions and components see chapter SINAMICS S120 drive system	Pre-assembled cable to the drive system		
						Power connector	Cable cross-section[4]	
	I_{rated}	I_{max}	$P_{el, max}$	I_{rated}/I_{max}				
	A	A	kW (HP)	A	Order No.	Size	mm^2	Order No.
1FN6003-1WC57-...	3.2	5.18	1.29 (1.73)	5/10	**6SL312■-■TE15-0AA3**	1	4 × 1.5	**6FX8002-5CN01-....**
1FN6003-1WC84-...	4.6	7.45	1.71 (2.29)	5/10	**6SL312■-■TE15-0AA3**	1	4 × 1.5	**6FX8002-5CN01-....**
1FN6003-1WE38-...	4.6	7.45	1.97 (2.64)	5/10	**6SL312■-■TE15-0AA3**	1	4 × 1.5	**6FX8002-5CN01-....**
1FN6003-1WE88-...	11.2	18.2	3.86 (5.18)	18/36	**6SL312■-■TE21-8AA3**	1	4 × 1.5	**6FX8002-5CN01-....**
1FN6003-1WG24-...	4.6	7.45	2.28 (3.06)	5/10	**6SL312■-■TE15-0AA3**	1	4 × 1.5	**6FX8002-5CN01-....**
1FN6003-1WG61-...	11.2	18.2	4.16 (5.58)	18/36	**6SL312■-■TE21-8AA3**	1	4 × 1.5	**6FX8002-5CN01-....**
1FN6003-1WJ17-...	4.6	7.45	2.61 (3.50)	5/10	**6SL312■-■TE15-0AA3**	1	4 × 1.5	**6FX8002-5CN01-....**
1FN6003-1WJ44-...	11.2	18.2	4.49 (6.02)	18/36	**6SL312■-■TE21-8AA3**	1	4 × 1.5	**6FX8002-5CN01-....**
1FN6003-1WL12-...	4.6	7.45	2.93 (3.93)	5/10	**6SL312■-■TE15-0AA3**	1	4 × 1.5	**6FX8002-5CN01-....**
1FN6003-1WL35-...	11.2	18.2	4.84 (6.49)	18/36	**6SL312■-■TE21-8AA3**	1	4 × 1.5	**6FX8002-5CN01-....**
1FN6003-1WN10-...	4.6	7.45	3.25 (4.36)	5/10	**6SL312■-■TE15-0AA3**	1	4 × 1.5	**6FX8002-5CN01-....**
1FN6003-1WN28-...	11.2	18.2	5.2 (6.97)	18/36	**6SL312■-■TE21-8AA3**	1	4 × 1.5	**6FX8002-5CN01-....**
1FN6007-1WC31-...	3.2	5.18	1.59 (2.13)	5/10	**6SL312■-■TE15-0AA3**	1	4 × 1.5	**6FX8002-5CN01-....**
1FN6007-1WC46-...	4.6	7.45	2.07 (2.78)	5/10	**6SL312■-■TE15-0AA3**	1	4 × 1.5	**6FX8002-5CN01-....**
1FN6007-1WE20-...	4.6	7.45	2.5 (3.35)	5/10	**6SL312■-■TE15-0AA3**	1	4 × 1.5	**6FX8002-5CN01-....**
1FN6007-1WE53-...	11.2	18.2	4.65 (6.24)	18/36	**6SL312■-■TE21-8AA3**	1	4 × 1.5	**6FX8002-5CN01-....**
1FN6007-1WG12-...	4.6	7.45	2.98 (4.00)	5/10	**6SL312■-■TE15-0AA3**	1	4 × 1.5	**6FX8002-5CN01-....**
1FN6007-1WG33-...	11.2	18.2	5.14 (6.89)	18/36	**6SL312■-■TE21-8AA3**	1	4 × 1.5	**6FX8002-5CN01-....**
1FN6007-1WJ08-...	4.6	7.45	3.46 (4.64)	5/10	**6SL312■-■TE15-0AA3**	1	4 × 1.5	**6FX8002-5CN01-....**
1FN6007-1WJ24-...	11.2	18.2	5.67 (7.60)	18/36	**6SL312■-■TE21-8AA3**	1	4 × 1.5	**6FX8002-5CN01-....**
1FN6007-1WL05-...	4.6	7.45	3.93 (5.27)	5/10	**6SL312■-■TE15-0AA3**	1	4 × 1.5	**6FX8002-5CN01-....**
1FN6007-1WL18-...	11.2	18.2	6.21 (8.33)	18/36	**6SL312■-■TE21-8AA3**	1	4 × 1.5	**6FX8002-5CN01-....**
1FN6007-1WN15-...	11.2	18.2	6.74 (9.04)	18/36	**6SL312■-■TE21-8AA3**	1	4 × 1.5	**6FX8002-5CN01-....**
1FN6007-1WN32-...	21	36.3	10.1 (13.5)	30/56	**6SL312■-1 TE23-0AA3**	1	4 × 2.5	**6FX8002-5CN11-....**

Cooling:	
Internal air cooling	**0**
External air cooling	**1**

Motor Module:	
Single Motor Module	**1**
Double Motor Module	**2**

Length code	....

Further information about the cables can be found in chapter Connection system MOTION-CONNECT.

[1] For water cooling with inlet temperature 35 °C (95 °F).

[2] A reduction of up to 30 % must be expected in case of motor standstill, at very low velocities, or with very short traverse paths.

[3] Velocity values refer to a DC link voltage of the drive system of 600 V DC.

[4] The current carrying capacity of the power cables complies with IEC 60204-1 for installation type C, for continuous duty at an ambient air temperature of 40 °C (104 °F).