

AC motors

Synchronous motors

1FW3 torque motors

Water cooling

Selection and ordering data

Rated speed	Shaft height	Rated power	Rated torque	Rated current	Static torque	1FW3 torque motors Water cooling	Number of pole pairs	Rotor moment of inertia	Weight, approx.
n_{rated}	SH	P_{rated} at $\Delta T=100\text{ K}$	M_{rated} at $\Delta T=100\text{ K}$	I_{rated} at $\Delta T=100\text{ K}$	M_0 at $\Delta T=100\text{ K}$	Order No.		J	m
rpm		kW/HP	Nm/lb _f -ft	A	Nm/lb _f -ft			kgm ² / lb _f -in-s ²	kg/lb
Line voltage 400 V 3 AC Active Line Module ²⁾									
150	200	4.7/6.3	300/221.1	13	315/232.2	1FW3201-1 ■ E ■ 2 - ■ AA 0	14	0.22/ 1.947	127/ 280.04
		7.9/10.6	500/368.5	21	525/386.9	1FW3202-1 ■ E ■ 2 - ■ AA 0	14	0.36/ 3.186	156/ 343.98
		11.8/15.8	750/552.8	30	790/582.2	1FW3203-1 ■ E ■ 2 - ■ AA 0	14	0.49/ 4.337	182/ 401.31
		15.7/21.1	1000/737	40	1050/773.9	1FW3204-1 ■ E ■ 2 - ■ AA 0	14	0.70/ 6.196	223/ 491.72
		23.6/31.7	1500/1105.5	65	1575/1160.8	1FW3206-1 ■ E ■ 2 - ■ AA 0	14	0.97/ 8.585	279/ 615.20
		31.4/42.1	2000/1474	84	2100/1547.7	1FW3208-1 ■ E ■ 2 - ■ AA 0	14	1.31/ 11.594	348/ 767.34
	280	39.3/52.7	2500/1842.5	108	2625/1934.6	1FW3281-1 ■ E ■ 3 - ■ AA 0	17	4.10/ 36.288	628/ 1384.74
		55.0/73.8	3500/2579.5	150	3675/2708.5	1FW3283-1 ■ E ■ 3 - ■ AA 0	17	5.10/ 45.139	731/ 1611.86
		78.5/105.3	5000/3685	207	5250/3869.3	1FW3285-1 ■ E ■ 3 - ■ AA 0	17	6.60/ 58.415	885/ 1951.43
		109.9/147.4	7000/5159	292	7350/5417	1FW3288-1 ■ E ■ 3 - ■ AA 0	17	8.60/ 76.116	1087/ 2396.84
Encoder systems for motors without DRIVE-CLiQ interface:		Incremental encoder sin/cos 1 V _{pp} Absolute encoder multitrn EnDat 2048 p./r. Absolute encoder multitrn EnDat 2048 p./r. Multi-pole resolver Absolute encoder Singleturn EnDat 2048 p./r.			belt-mounting coaxial mounting belt-mounting belt-mounting coaxial mounting		A E S N	7 6 7 7 6	
Encoder systems for motors with DRIVE-CLiQ interface:		Incremental encoder sin/cos 1 V _{pp} Absolute encoder multitrn EnDat 2048 p./r. Absolute encoder multitrn EnDat 2048 p./r. Multi-pole resolver Absolute encoder singleturn EnDat 2048 p./r.			belt-mounting coaxial mounting belt-mounting belt-mounting coaxial mounting		D F F U P	7 6 7 7 6	
Type:		IM B14 (for shaft height 150/200) IM B35 (for shaft height 280)						2 3	
Terminal box top:		Cable outlet transverse right Cable outlet transverse left Cable outlet NDE Cable outlet DE						5 6 7 8	

Other rated speeds on request.

Selection and ordering data

Motor type (continued)	Static current	SINAMICS Motor Module Rated output current		Power cable with complete shield Motor connection via terminal box		
	I_0 at $\Delta T=100\text{ K}$	I_{rated}	Order No. For complete Order No., see "SINAMICS S120".	Terminal box type cable entry	Cable cross section Motor ¹⁾ Max. possible cross section	Order No. Power cable By the meter
	A	A			mm ²	
Line voltage 400 V 3 AC Active Line Module ²⁾						
1FW3201-1 . E . 2-....	13	18	6SL3 1 2 ■ - ■ T E 2 1 -8AA.	gk 230 2 x M32 x 1.5	4 x 1.5 2 x 4 x 16	6FX ■ 008-1BB11-.... 6FX ■ 008-1BB61-....
1FW3202-1 . E . 2-....	22	30	6SL3 1 2 ■ - 1 T E 2 3 -0AA.	gk 230 2 x M32 x 1.5	4 x 2.5 2 x 4 x 16	6FX ■ 008-1BB21-.... 6FX ■ 008-1BB61-....
1FW3203-1 . E . 2-....	32	30	6SL3 1 2 ■ - 1 T E 2 3 -0AA.	gk 230 2 x M32 x 1.5	4 x 6 2 x 4 x 16	6FX ■ 008-1BB41-.... 6FX 5 008-1BB61-....
1FW3204-1 . E . 2-....	42	45	6SL3 1 2 ■ - 1 T E 2 4 -5AA.	gk 230 1 x M32 x 1.5	4 x 10 2 x 4 x 16	6FX ■ 008-1BB51-.... 6FX ■ 008-1BB61-....
1FW3206-1 . E . 2-....	68	85	6SL3 1 2 ■ - 1 T E 2 8 -5AA.	gk 420 2 x M40 x 1.5	4 x 16 2 x 4 x 35	6FX ■ 008-1BB61-.... 6FX ■ 008-1BB35-....
1FW3208-1 . E . 2-....	88	85	6SL3 1 2 ■ - 1 T E 2 8 -5AA.	gk 420 2 x M40 x 1.5	4 x 25 2 x 4 x 35	6FX ■ 008-1BB25-.... 6FX ■ 008-1BB35-....
1FW3281-1 . E . 2-....	113	132	6SL3 1 2 ■ - 1 T E 3 1 -3AA.	1XB7 700 3 x M75 x 1.5	4 x 50 3 x 4 x 120	6FX ■ 008-1BB50-.... 6FX ■ 008-1BB12-....
1FW3283-1 . E . 2-....	158	200	6SL3 1 2 ■ - 1 T E 3 2 -0AA.	1XB7 700 3 x M75 x 1.5	4 x 70 3 x 4 x 120	6FX ■ 008-1BB70-.... 6FX ■ 008-1BB12-....
1FW3285-1 . E . 2-....	217	210	6SL3 3 2 0 - 1 T E 3 2 -1AA0	1XB7 700 3 x M75 x 1.5	4 x 120 3 x 4 x 120	6FX ■ 008-1BB12-.... 6FX ■ 008-1BB12-....
1FW3288-1 . E . 2-....	306	310	6SL3 3 2 0 - 1 T E 3 3 -1AA0	1XB7 700 3 x M75 x 1.5	2 x 4 x 95 3 x 4 x 120	6FX ■ 008-1BB05-.... 6FX ■ 008-1BB12-....
Type:			1 3			
Booksize						
Chassis						
Cooling:			0 1			
Internal air cooling						
External air cooling						
Motor Module:			1 2			
Single Motor Module						
Double Motor Module						
Power cable model:			5 8			
MOTION-CONNECT 800						
MOTION-CONNECT 500						
For length code for power and signal cables, see "MOTION-CONNECT cables and connections"						

¹⁾ The current carrying capacity of the power cables corresponds to IEC 60204-1 for **type of routing C** under continuous operating conditions with an ambient air temperature of +40 °C (+104 °F), designed for I_{rated} (100 K), PVC/PUR-insulated cable. The second line specifies the maximum possible cable cross sections if other ambient conditions or routing types apply. Alternative ambient conditions can be configured with the SIZER tool.

²⁾ The rated data for Smart Line/Basic Line/Power Module can be found in the data sheets in Planning Manual 1FW3 SINAMICS.

AC motors
Synchronous motors

1FW3 torque motors
Water cooling

Selection and ordering data

Rated speed	Shaft height	Rated power	Rated torque	Rated current	Static torque	1FW3 torque motors Water cooling	Number of pole pairs	Rotor moment of inertia	Weight, approx.	
n_{rated}	SH	P_{rated} at $\Delta T=100\text{ K}$	M_{rated} at $\Delta T=100\text{ K}$	I_{rated} at $\Delta T=100\text{ K}$	M_0 at $\Delta T=100\text{ K}$	Order No.		J	m	
rpm		kW/HP	Nm/lb _f -ft	A	Nm/lb _f -ft			kgm ² / lb _f -in-s ²	kg/lb	
Line voltage 400 V 3 AC Active Line Module ²⁾										
250	280	62.8/84.2	2400/1768.8	153	2652/1934.6	1FW3281-1 ■ G ■ 3 - ■ AA 0	17	4.10/ 36.288	628/ 1384.74	
		89/119.4	3400/2505.8	222	3675/2708.5	1FW3283-1 ■ G ■ 3 - ■ AA 0	17	5.10/ 45.139	731/ 1611.86	
		125.6/168.4	4800/3537.6	306	5250/3869.3	1FW3285-1 ■ G ■ 3 - ■ AA 0	17	6.6/ 58.415	885/ 1951.43	
		175.3/235.1	6700/4937.9	435	7350/5417	1FW3288-1 ■ G ■ 3 - ■ AA 0	17	10.70/ 76.116	1087/ 2396.84	
300	150	3.1/4.2	100/73.7	7.2	105/77.4	1FW3150-1 ■ H ■ 2 - ■ AA 0	7	0.12/ 1.062	87/ 191.84	
		6.3/8.5	200/147.4	14	210/154.8	1FW3152-1 ■ H ■ 2 - ■ AA 0	7	0.16/ 1.416	108/ 238.14	
		9.4/12.6	300/221.1	20.5	315/232.2	1FW3154-1 ■ H ■ 2 - ■ AA 0	7	0.20/ 1.770	129/ 284.45	
		12.6/16.9	400/294.8	28	420/309.5	1FW3155-1 ■ H ■ 2 - ■ AA 0	7	0.24/ 2.124	150/ 330.75	
		15.7/21.1	500/368.5	34	525/386.9	1FW3156-1 ■ H ■ 2 - ■ AA 0	7	0.28/ 2.478	171/ 377.06	
	200	9.4/12.6	300/221.1	23	315/232.2	1FW3201-1 ■ H ■ 2 - ■ AA 0	14	0.22/ 1.947	127/ 280.04	
		15.7/21.1	500/368.5	37	525/386.9	1FW3202-1 ■ H ■ 2 - ■ AA 0	14	0.36/ 3.186	156/ 343.98	
		23.6/31.7	750/552.8	59	790/582.2	1FW3203-1 ■ H ■ 2 - ■ AA 0	14	0.49/ 4.337	182/ 401.31	
		31.4/42.1	1000/737	74	1050/773.9	1FW3204-1 ■ H ■ 2 - ■ AA 0	14	0.70/ 6.196	223/ 491.72	
		47.1/63.2	1500/1105.5	118	1575/1160.8	1FW3206-1 ■ H ■ 2 - ■ AA 0	14	0.97/ 8.585	279/ 615.20	
		62.8/84.2	2000/1474	153	2100/1547.7	1FW3208-1 ■ H ■ 2 - ■ AA 0	14	1.31/ 11.594	348/ 767.34	
		Encoder systems for motors without DRIVE-CLiQ interface:		Incremental encoder sin/cos 1 V _{pp} Absolute encoder multiturn EnDat 2048 r./p. Absolute encoder multiturn EnDat 2048 r./p. Multi-pole resolver Absolute encoder singleturn EnDat 2048 r./p.			belt-mounting coaxial mounting belt-mounting belt-mounting coaxial mounting	A E E S N	7 6 7 7 6	
		Encoder systems for motors with DRIVE-CLiQ interface:		Incremental encoder sin/cos 1 V _{pp} Absolute encoder multiturn EnDat 2048 r./p. Absolute encoder multiturn EnDat 2048 r./p. Multi-pole resolver Absolute encoder singleturn EnDat 2048 r./p.			belt-mounting coaxial mounting belt-mounting belt-mounting coaxial mounting	D F F U P	7 6 7 7 6	
Type:		IM B14 (for shaft height 150/200) IM B35 (for shaft height 280)					2 3			
Terminal box top:		Cable outlet transverse right Cable outlet transverse left Cable outlet NDE Cable outlet DE					5 6 7 8			

Other rated speeds on request.

Selection and ordering data

Motor type (continued)	Static current I_0 at $\Delta T=100\text{ K}$ A	SINAMICS Motor Module		Power cable with complete shield		
		Rated output current I_{rated} A	Order No. For complete Order No., see "SINAMICS S120".	Terminal box type cable entry	Cable cross section Motor ¹⁾ Max. possible cross section mm ²	Order No. Power cable By the meter

Line voltage 400 V 3 AC Active Line Module ²⁾

1FW3281-1 . G. 3-....	167	200	6SL3 1 2 - 1 T E 3 2 -0AA.	1XB7 700 3 x M75 x 1.5	4 x 95 3 x 4 x 120	6FX 008-1BB05-.... 6FX 008-1BB12-....
1FW3283-1 . G. 3-....	239	260	6SL3 3 2 0 - 1 T E 3 2 -6AA0	1XB7 700 3 x M75 x 1.5	4 x 120 3 x 4 x 120	6FX 008-1BB12-.... 6FX 008-1BB12-....
1FW3285-1 . G. 3-....	332	310	6SL3 3 2 0 - 1 T E 3 3 -1AA0	1XB7 700 3 x M75 x 1.5	2 x 4 x 95 3 x 4 x 120	6FX 008-1BB05-.... 6FX 008-1BB12-....
1FW3288-1 . G. 3-....	474	490	6SL3 3 2 0 - 1 T E 3 5 -0AA0	1XB7 700 3 x M75 x 1.5	3 x 4 x 120 3 x 4 x 120	6FX 008-1BB12-.... 6FX 008-1BB12-....
1FW3150-1 . H. 2-....	7.3	9	6SL3 1 2 - - T E 2 1 -0AA.	gk 230 2 x M32 x 1.5	4 x 1.5 2 x 4 x 16	6FX 008-1BB11-.... 6FX 008-1BB61-....
1FW3152-1 . H. 2-....	15	18	6SL3 1 2 - - T E 2 1 -8AA.	gk 230 2 x M32 x 1.5	4 x 1.5 2 x 4 x 16	6FX 008-1BB11-.... 6FX 008-1BB61-....
1FW3154-1 . H. 2-....	21.5	30	6SL3 1 2 - 1 T E 2 3 -0AA.	gk 230 2 x M32 x 1.5	4 x 4 2 x 4 x 16	6FX 008-1BB31-.... 6FX 008-1BB61-....
1FW3155-1 . H. 2-....	29	30	6SL3 1 2 - 1 T E 2 3 -0AA.	gk 230 2 x M32 x 1.5	4 x 6 2 x 4 x 16	6FX 008-1BB41-.... 6FX 008-1BB61-....
1FW3156-1 . H. 2-....	35	45	6SL3 1 2 - 1 T E 2 4 -5AA.	gk 230 2 x M32 x 1.5	4 x 6 2 x 4 x 16	6FX 008-1BB41-.... 6FX 008-1BB61-....
1FW3201-1 . H. 2-....	24	30	6SL3 1 2 - 1 T E 2 3 -0AA.	gk 230 2 x M32 x 1.5	4 x 4 2 x 4 x 16	6FX 008-1BB31-.... 6FX 008-1BB61-....
1FW3202-1 . H. 2-....	39	45	6SL3 1 2 - 1 T E 2 4 -5AA.	gk 230 2 x M32 x 1.5	4 x 10 2 x 4 x 16	6FX 008-1BB51-.... 6FX 008-1BB61-....
1FW3203-1 . H. 2-....	62	60	6SL3 1 2 - 1 T E 2 6 -0AA.	gk 420 2 x M40 x 1.5	4 x 16 2 x 4 x 35	6FX 008-1BB61-.... 6FX 008-1BB35-....
1FW3204-1 . H. 2-....	77	85	6SL3 1 2 - 1 T E 2 8 -5AA.	gk 420 2 x M40 x 1.5	4 x 25 2 x 4 x 35	6FX 008-1BB25-.... 6FX 008-1BB35-....
1FW3206-1 . H. 2-....	121	132	6SL3 1 2 - 1 T E 3 1 -3AA.	gk 630 2 x M50 x 1.5	4 x 50 2 x 4 x 50	6FX 008-1BB50-.... 6FX 008-1BB50-....
1FW3208-1 . E. 2-....	160	200	6SL3 1 2 - 1 T E 3 2 -0AA.	gk 630 2 x M50 x 1.5	2 x 4 x 35 2 x 4 x 50	6FX 008-1BB35-.... 6FX 008-1BB50-....

Type:	
Booksize	1
Chassis	3
Cooling:	
Internal air cooling	0
External air cooling	1
Motor Module:	
Single Motor Module	1
Double Motor Module	2
Power cable model:	
MOTION-CONNECT 800	5
MOTION-CONNECT 500	8

For length code for power and signal cables, see "MOTION-CONNECT cables and connections"

¹⁾ The current carrying capacity of the power cables corresponds to IEC 60204-1 for **type of routing C** under continuous operating conditions with an ambient air temperature of +40 °C (+104 °F), designed for I_{rated} (100 K), PVC/PUR-insulated cable.
The second line specifies the maximum possible cable cross sections if other ambient conditions or routing types apply.
Alternative ambient conditions can be configured with the SIZER tool.

²⁾ The rated data for Smart Line/Basic Line/Power Module can be found in the data sheets in Planning Manual 1FW3 SINAMICS.

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Rated speed	Shaft height	Rated power	Rated torque	Rated current	Static torque	1FW3 torque motors Water cooling	Number of pole pairs	Rotor moment of inertia	Weight, approx.
n_{rated}	SH	P_{rated} at $\Delta T=100\text{ K}$	M_{rated} at $\Delta T=100\text{ K}$	I_{rated} at $\Delta T=100\text{ K}$	M_0 at $\Delta T=100\text{ K}$	Order No.		J	m
rpm		kW/HP	Nm/lb _F -ft	A	Nm/lb _F -ft			kgm ² / lb _F -in-s ²	kg/lb
Line voltage 400 V 3 AC Active Line Module ²⁾									
500	150	5.2/7.0	100/73.7	11.0	105/77.4	1FW3150-1 ■ L ■ 2 - ■ AA 0	7	0.12/ 1.062	87/ 191.84
		10.5/14.1	200/147.4	22.0	210/154.8	1FW3152-1 ■ L ■ 2 - ■ AA 0	7	0.16/ 1.416	108/ 238.14
		15.7/21.1	300/221.1	32.0	315/232.2	1FW3154-1 ■ L ■ 2 - ■ AA 0	7	0.20 1.770	129/ 284.45
		20.9/28.0	400/294.8	43.0	420/309.5	1FW3155-1 ■ L ■ 2 - ■ AA 0	7	0.24 2.124	150/ 330.75
		26.2/35.1	500/368.5	53.0	525/386.9	1FW3156-1 ■ L ■ 2 - ■ AA 0	14	0.28 2.478	171/ 377.06
	200	15.7/21.1	300/221.1	37.0	315/232.2	1FW3201-1 ■ L ■ 2 - ■ AA 0	14	0.22 1.947	127/ 280.04
		26.2/35.1	500/368.5	59.0	525/386.9	1FW3202-1 ■ L ■ 3 - ■ AA 0	14	0.36 3.186	156/ 343.98
		39.3/52.7	750/552.8	92.0	790/582.2	1FW3203-1 ■ L ■ 3 - ■ AA 0	14	0.49 4.337	182/ 401.31
		52.3/70.1	1000/737	118.0	1050/773.9	1FW3204-1 ■ L ■ 3 - ■ AA 0	14	0.70 6.196	223/ 491.72
		73.3/98.3	1400/1031.8	169.0	1575/1160.8	1FW3206-1 ■ L ■ 3 - ■ AA 0	14	0.97 8.585	279/ 615.20
		96.8/129.8	1850/1363.5	226.0	2100/1547.7	1FW3208-1 ■ L ■ 2 - ■ AA 0	14	1.31 11.594	348/ 767.34
800	150	8.4/11.3	100/73.7	17.0	105/77.4	1FW3150-1 ■ P ■ 2 - ■ AA 0	7	0.12/ 1.062	87/ 191.84
		16.7/22.4	210/154.8	32.5	210/154.8	1FW3152-1 ■ P ■ 2 - ■ AA 0	7	0.16/ 1.416	108/ 238.14
		25.1/33.7	300/221.1	47.5	315/232.2	1FW3154-1 ■ P ■ 2 - ■ AA 0	7	0.20 1.770	129/ 284.45
		33.5/44.9	400/294.8	64.0	420/309.5	1FW3155-1 ■ P ■ 2 - ■ AA 0	7	0.24 2.124	150/ 330.75
		41.9/56.2	500/368.5	76.0	525/386.9	1FW3156-1 ■ P ■ 2 - ■ AA 0	7	0.28 2.478	171/ 377.06
Encoder systems for motors without DRIVE-CLiQ interface:		Incremental encoder sin/cos 1 V _{pp} Absolute encoder Multiturn EnDat 2048 r./p. Absolute encoder Multiturn EnDat 2048 r./p. Multi-pole resolver Absolute encoder Singleturn EnDat 2048 r./p.			belt-mounting coaxial mounting belt-mounting belt-mounting coaxial mounting	A E E S N	7 6 7 7 6		
Encoder systems for motors with DRIVE-CLiQ interface:		Incremental encoder sin/cos 1 V _{pp} Absolute encoder Multiturn EnDat 2048 r./p. Absolute encoder Multiturn EnDat 2048 r./p. Multi-pole resolver Absolute encoder Singleturn EnDat 2048 r./p.			belt-mounting coaxial mounting belt-mounting belt-mounting coaxial mounting	D F F U P	7 6 7 7 6		
Type:		IM B14 (for shaft height 150/200) IM B35 (for shaft height 280)					2 3		
Terminal box top:		Cable outlet transverse right Cable outlet transverse left Cable outlet NDE Cable outlet DE					5 6 7 8		

Other rated speeds on request.

Selection and ordering data

Motor type (continued)	Static current I_0 at $\Delta T = 100 \text{ K}$ A	SINAMICS Motor Module		Power cable with complete shield		
		I_{rated} A	Order No. For complete Order No., see "SINAMICS S120".	Terminal box type cable entry	Cable cross section Motor ¹⁾ Max. possible cross section mm ²	Order No. Power cable By the meter

Line voltage 400 V 3 AC Active Line Module ²⁾						
1FW3150-1 . L. 2-....	11.5	18	6SL3 1 2 - - T E 2 1 -8AA.	gk 230 2 x M32 x 1.5	4 x 1.5 2 x 4 x 16	6FX 008-1BB11-.... 6FX 008-1BB61-....
1FW3152-1 . L. 2-....	22.5	30	6SL3 3 2 - - 1 T E 2 3 -0AA.	gk 230 2 x M32 x 1.5	4 x 4 2 x 4 x 16	6FX 008-1BB31-.... 6FX 008-1BB61-....
1FW3154-1 . L. 2-....	33	45	6SL3 3 2 - - 1 T E 2 4 -5AA.	gk 230 2 x M32 x 1.5	4 x 6 2 x 4 x 16	6FX 008-1BB41-.... 6FX 008-1BB61-....
1FW3155-1 . L. 2-....	45	60	6SL3 3 2 - - 1 T E 2 6 -0AA.	gk 230 2 x M32 x 1.5	4 x 10 2 x 4 x 16	6FX 008-1BB51-.... 6FX 008-1BB61-....
1FW3156-1 . L. 2-....	55	60	6SL3 1 2 - - 1 T E 2 6 -0AA.	gk 420 2 x M40 x 1.5	4 x 16 2 x 4 x 35	6FX 008-1BB61-.... 6FX 008-1BB35-....
1FW3201-1 . L. 2-....	38	45	6SL3 1 2 - - 1 T E 2 4 -5AA.	gk 230 2 x M32 x 1.5	4 x 10 2 x 4 x 16	6FX 008-1BB51-.... 6FX 008-1BB35-....
1FW3202-1 . L. 2-....	62	60	6SL3 1 2 - - 1 T E 2 6 -0AA.	gk 420 2 x M40 x 1.5	4 x 16 2 x 4 x 35	6FX 008-1BB61-.... 6FX 008-1BB35-....
1FW3203-1 . L. 2-....	100	132	6SL3 1 2 - - 1 T E 3 1 -3AA.	gk 420 2 x M40 x 1.5	4 x 35 2 x 4 x 35	6FX 008-1BB35-.... 6FX 008-1BB35-....
1FW3204-1 . L. 2-....	129	132	6SL3 1 2 - - 1 T E 3 1 -3AA.	gk 630 2 x M50 x 1.5	2 x 4 x 50 2 x 4 x 50	6FX 008-1BB50-.... 6FX 008-1BB50-....
1FW3206-1 . L. 2-....	189	200	6SL3 1 2 - - 1 T E 3 2 -0AA.	gk 630 2 x M50 x 1.5	2 x 4 x 35 2 x 4 x 50	6FX 008-1BB35-.... 6FX 008-1BB50-....
1FW3208-1 . L. 2-....	256	260	6SL3 3 2 0 - 1 T E 3 2 -6AA.	gk 630 2 x M50 x 1.5	2 x 4 x 50 2 x 4 x 50	6FX 008-1BB50-.... 6FX 008-1BB50-....
1FW3150-1 . P. 2-....	17.5	18	6SL3 1 2 - - T E 2 1 -8AA.	gk 230 2 x M32 x 1.5	4 x 2.5 2 x 4 x 16	6FX 008-1BB25-.... 6FX 008-1BB61-....
1FW3152-1 . P. 2-....	33.5	45	6SL3 1 2 - - 1 T E 2 4 -5AA.	gk 230 2 x M32 x 1.5	4 x 6 2 x 4 x 16	6FX 008-1BB41-.... 6FX 008-1BB61-....
1FW3154-1 . P. 2-....	49	60	6SL3 1 2 - - 1 T E 2 6 -0AA.	gk 230 2 x M32 x 1.5	4 x 10 2 x 4 x 16	6FX 008-1BB51-.... 6FX 008-1BB61-....
1FW3155-1 . P. 2-....	67	85	6SL3 1 2 - - 1 T E 2 8 -5AA.	gk 420 2 x M40 x 1.5	4 x 25 2x 4 x 35	6FX 008-1BB25-.... 6FX 008-1BB35-....
1FW3156-1 . P. 2-....	80	85	6SL3 1 2 - - 1 T E 2 8 -5AA.	gk 420 2 x M40 x 1.5	4 x 25 2x 4 x 35	6FX 008-1BB25-.... 6FX 008-1BB35-....

Type:		
Booksize	1	
Chassis	3	
Cooling:		
Internal air cooling	0	
External air cooling	1	
Motor Module:		
Single Motor Module	1	
Double Motor Module	2	
Power cable model:		
MOTION-CONNECT 800	5	
MOTION-CONNECT 500	8	
For length code for power and signal cables, see "MOTION-CONNECT cables and connections"		
		

¹⁾ The current carrying capacity of the power cables corresponds to IEC 60204-1 for **type of routing C** under continuous operating conditions with an ambient air temperature of +40 °C (+104 °F), designed for I_{rated} (100 K), PVC/PUR-insulated cable.
The second line specifies the maximum possible cable cross sections if other ambient conditions or routing types apply.
Alternative ambient conditions can be configured with the SIZER tool.

²⁾ The rated data for Smart Line/Basic Line/Power Module can be found in the data sheets in Planning Manual 1FW3 SINAMICS.