

SINAMICS G220 built-in and wall-mounted units

Clicking to SiePortal

6SL3255-0AA00-5AA0



IP55/UL Type 12 · 380 ... 500 V 3 AC · 1.1 kW to 110 kW (1.5 hp to 150 hp)

Selection and ordering data

SINAMICS G220 built-in and wall-mounted units → Configuration with power components (see right page)

Rated power				Rated output current				Rated input current		Frame size	SINAMICS G220 without integrated line filter	SINAMICS G220 with integrated line filter
Low overload (LO)		High overload (HO)		Low overload (LO)		High overload (HO)		Low overload (LO)				
Acc. to IEC	Acc. to NEC	Acc. to IEC	Acc. to NEC	Acc. to IEC	Acc. to NEC	Acc. to IEC	Acc. to NEC	Acc. to IEC	Acc. to NEC		Article No.	Article No.
400 V	480 V	400 V	480 V	400 V	480 V	400 V	480 V	400 V	480 V			
kW	hp	kW	hp	A	A	A	A	A	A			
380 ... 500 V 3 AC · Rated pulse frequency 4 kHz · Input frequency 50/60 Hz (47 ... 63 Hz)												
1.1	1.5	0.75	1	3.9	3	2.9	2.1	3.3	3.0	FSB	6SL4113-0 ■ ■ 08 - 0 ■ ■ 0	6SL4113-0 ■ ■ 08 - 2 ■ ■ 0
1.5	2	1.1	1.5	4.7	3.4	3.9	3	4.1	3.7	FSB	6SL4113-0 ■ ■ 10 - 0 ■ ■ 0	6SL4113-0 ■ ■ 10 - 2 ■ ■ 0
2.2	3	1.5	2	6.5	4.8	4.7	3.4	5.6	4.9	FSB	6SL4113-0 ■ ■ 11 - 0 ■ ■ 0	6SL4113-0 ■ ■ 11 - 2 ■ ■ 0
3	4	2.2	3	8.5	6.2	6.5	4.8	7.3	6.1	FSB	6SL4113-0 ■ ■ 12 - 0 ■ ■ 0	6SL4113-0 ■ ■ 12 - 2 ■ ■ 0
4	5	3	4	11	7.6	8.5	6.2	9.6	7.3	FSB	6SL4113-0 ■ ■ 13 - 0 ■ ■ 0	6SL4113-0 ■ ■ 13 - 2 ■ ■ 0
5.5	7.5	4	5	14.5	11	11	7.6	12.9	11.0	FSB	6SL4113-0 ■ ■ 15 - 0 ■ ■ 0	6SL4113-0 ■ ■ 15 - 2 ■ ■ 0
7.5	10	5.5	7.5	19	14	14.5	11	17.3	14.0	FSB	6SL4113-0 ■ ■ 16 - 0 ■ ■ 0	6SL4113-0 ■ ■ 16 - 2 ■ ■ 0
11	15	7.5	10	27	21	19	14	23.3	19.6	FSC	6SL4113-0 ■ ■ 17 - 0 ■ ■ 0	6SL4113-0 ■ ■ 17 - 2 ■ ■ 0
15	20	11.0	15	34	27	27	21	31.3	25.4	FSC	6SL4113-0 ■ ■ 18 - 0 ■ ■ 0	6SL4113-0 ■ ■ 18 - 2 ■ ■ 0
18.5	25	15.0	20	40	34	34	27	37.8	31.6	FSD1	6SL4113-0 ■ ■ 20 - 0 ■ ■ 0	6SL4113-0 ■ ■ 20 - 2 ■ ■ 0
22	30	18.5	25	46	40	40	34	44.9	37.5	FSD1	6SL4113-0 ■ ■ 21 - 0 ■ ■ 0	6SL4113-0 ■ ■ 21 - 2 ■ ■ 0
30	40	22.0	30	63	52	46	40	59.9	49.8	FSD2	6SL4113-0 ■ ■ 23 - 0 ■ ■ 0	6SL4113-0 ■ ■ 23 - 2 ■ ■ 0
37	50	30	40	75	65	63	52	72.6	59.9	FSD2	6SL4113-0 ■ ■ 24 - 0 ■ ■ 0	6SL4113-0 ■ ■ 24 - 2 ■ ■ 0
45	60	37	50	90	77	75	65	86.7	71.3	FSE	6SL4113-0 ■ ■ 26 - 0 ■ ■ 0	6SL4113-0 ■ ■ 26 - 2 ■ ■ 0
55	75	45	60	112	96	90	77	105.9	88.3	FSE	6SL4113-0 ■ ■ 27 - 0 ■ ■ 0	6SL4113-0 ■ ■ 27 - 2 ■ ■ 0
75 ¹⁾	100	55	75	150	124	112	96	145.7	118.6	FSF1	6SL4113-0 ■ ■ 30 - 0 ■ ■ 0	6SL4113-0 ■ ■ 30 - 2 ■ ■ 0
90 ¹⁾	125	75	100	178	156	150	124	172.3	145.8	FSF1	6SL4113-0 ■ ■ 31 - 0 ■ ■ 0	6SL4113-0 ■ ■ 31 - 2 ■ ■ 0
110 ¹⁾	150	90	125	215	180	178	156	208.5	172.5	FSF1	6SL4113-0 ■ ■ 33 - 0 ■ ■ 0	6SL4113-0 ■ ■ 33 - 2 ■ ■ 0

Article No. supplements

Degree of protection	Cooling	Coating acc. to IEC 60721-3-3: 2002	Housing									
IP55/UL Type 12	Internal	Class 3C2	Standard	J						J		
		Class 3C3	Maintenance switch	L						L		
			Standard	K						K		
			Maintenance switch	M						M		
Hardware configurations												
Standard				A						A		
Gland plate for connecting in IP55 degree of protection according to IEC				P						P		
Gland plate for connecting in UL Type 12 degree of protection				Q						Q		
Line filter												
Without integrated line filter								0				
With integrated line filter Category C2											2	
Additional hardware option												
Without hardware option or with more than one hardware option (see Special versions)				A						A		
OM-DQ Option Module DRIVE-CLiQ				B						B		
OM-ILoT Option Module ILoT				E						E		
OM-SMT Option Module Safe Motor Temperature				F						F		
Communication												
USS, Modbus RTU ¹⁾								B				B
PROFINET, Modbus TCP and EtherNet/IP								F				F
PROFIBUS DP								D				D
Special versions												
Only for selection of more than one hardware option (Additional hardware option = "A")								6SL4113-0 ■ ... - A . 0				Order codes
OM-DQ Option Module DRIVE-CLiQ											T01	T01
OM-ILoT Option Module ILoT											T04	T04
OM-SMT Option Module Safe Motor Temperature											T05	T05

More information

Further technical specifications and documentation are available on the internet at:

www.siemens.com/sinamics-g220/documentation
and concerning ordering and configuration via the

¹⁾ Available soon.

Siemens Product Configurator in SiePortal:

www.siemens.com/sinamics-g220/configuration

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Line-side components					DC link components	Load-side power components	
Line reactors	Recommended line-side overcurrent protection devices ¹⁾				Braking resistors	Output reactors	dv/dt filters plus VPL ²⁾
	More information at: www.siemens.com/sinamics-g220/ocpd						
	Fuses IEC-compliant		Fuses UL/cUL-compliant Rated voltage 600 V AC				
Article No.	Current	Article No.	Fuse type	Current	Article No.	Article No.	Article No.
	A		Class/Article No.	A			
A DC line reactor is integrated – therefore no line reactor is required.	6	3NA3801	J	6	–	–	available soon
	10	3NA3803	J	8	–	–	available soon
	10	3NA3803	J	10	–	–	available soon
	16	3NA3805	J	12	–	–	available soon
	16	3NA3805	J	15	–	–	available soon
	20	3NA3807	J	20	–	–	available soon
	20	3NA3807	J	30	–	–	available soon
	40	3NA3817	J	40	–	–	available soon
	40	3NA3817	J	50	–	–	available soon
	50	3NA3820	J	60	–	–	JTA:TEF1203-0HB
	50	3NA3820	J	70	–	–	JTA:TEF1203-0JB
	63	3NA3822	J	90	–	–	JTA:TEF1203-0KB
	100	3NA3830	J	110	–	–	JTA:TEF1203-0KB
	100	3NA3830	J	125	–	–	JTA:TEF1203-0KB
	125	3NA3832	J	150	–	–	available soon
	160	3NA3836	J	150	–	–	available soon
	200	3NA3140	J	175	–	–	available soon
	250	3NA3144	J	250	–	–	available soon

¹⁾ Recommendation applies only to options with a maintenance switch. For a full overview, refer to the web link for more details.

²⁾ More information at:
<https://support.industry.siemens.com/cs/document/109987996>