

1AC 200–240V ¹⁾

Rated data							
P _{rated} (HO)		I _H	Part number			Fans	Frame size
kW	hp	A					
0.12	1/6	0.9	6SL3210-5BB11-2		V1	–	FSSA New
0.25	1/3	1.7	6SL3210-5BB12-5		V1	–	
0.37	1/2	2.3	6SL3210-5BB13-7		V1	–	
0.55	3/4	3.2	6SL3210-5BB15-5		V1	–	FSSB New
0.75	1	4.2	6SL3210-5BB17-5		V1	1	
1.1	1–1/2	6	6SL3210-5BB21-1		V0	1	FSB
1.5	2	7.8	6SL3210-5BB21-5		V0	1	
2.2	3	11	6SL3210-5BB22-2		V0	1	FSC
3	4	13.6	6SL3210-5BB23-0		V0	1	
EMC Standards							
Without integrated filter				U			
With integrated line filter category C2 ²⁾ (only available for FSB and FSC from 1.1 to 3 kW)				A			
With integrated line filter category C1 ¹¹⁾ (only available for FSAA and FSAB up to 0.75 kW)				B			

¹⁾ Single-phase devices can also be connected to two phases of a 3-phase 230 V supply system. You can find detailed information here: <http://support.industry.siemens.com/cs/document/109476260>

²⁾ EN61800-3 Category C2, 1st environment (residential domestic)

³⁾ The output current I_L is based on the duty cycle for low overload (LO).

⁴⁾ The output current I_H is based on the duty cycle for high overload (HO).

⁵⁾ EN61800-3 Category C3, 2nd environment (industry)

⁶⁾ See specification of EMC standards, page 10

⁷⁾ Additional information about the listed fuses and circuit breakers can be found in Catalogs LV 10, IC 10 and IC 10 AO <http://siemens.com/drives/infocenter>

⁸⁾ BOP interface and BOP integrated standard RJ45 connector compatible for standard Ethernet cable.

⁹⁾ The cable is not included in the delivery. You can use any standard LAN cable with standard RJ45 connector.

¹⁰⁾ Installation of FSA with fan, please refer to SINAMICS V20 manual. Installation of FSAA/AB, DIN Rail Mounting Kit for FSA install with Migration Mounting Kit together.

¹¹⁾ EN61800-3 category C1, 1st environment (residential).

1AC 200–240V options

FS	P _{rated} (HO) kW	Braking resistor 6SE6400-...	Line reactor 6SE6400-...	Output reactor 6SE6400-...	Shield connection kit 6SL3266-...	Line filter class B ⁶⁾ 6SE6400-...	Corresponding to the IEC standard								
							Standard fuse ⁷⁾		Circuit breaker ⁷⁾						
							Current in A	Part number	Part number						
FSAA	0.12	4BC05-0AA0	3CC00-4AB3	3TC00-4AD3	1AA00-0VA1	0BB21-8VA0	10	3NA3803	3RV2011-1DA10						
	0.25								3RV2011-1FA10						
	0.37								3RV2011-1HA10						
FSAB	0.55		3CC01-0AB3							3RV2011-1JA10					
	0.75									3RV2011-1KA10					
FSB	1.1	4BC11-2BA0	3CC02-6BB3	3TC01-0BD3	1AB00-0VA0	—	20	3NA3807	3RV2021-4BA10						
	1.5									3RV2021-4CA10					
FSC	2.2										1AC00-0VA0		35	3NA3814	3RV2021-4EA10
	3								4BC12-5CA0	3CC03-5CB3	3TC03-2CD3		50	3NA3820	3RV1031-4FA10

Accessories

Name	Part number
Parameter loader	6SL3255-0VE00-0UA1 New
BOP ⁸⁾ (Basic Operator Panel) interface	6SL3255-0VA00-2AA1 New
Braking module ■ 1AC 230V: 8A ■ 3AC 400V: 7A	6SL3201-2AD20-8VA0
V20 BOP (Basic Operator Panel)	6SL3255-0VA00-4BA1 New
BOP cable ⁹⁾	–
SINAMICS Memory Card (512 MB)	6SL3054-4AG00-2AA0
RS485 Terminators (Content 50 pieces)	6SL3255-0VC00-0HA0
SINAMICS V20 training case	6AG1067-2AA00-0AB6
DIN Rail mounting kit	FSA/FSAA/FSAB: 6SL3261-1BA00-0AA0 ¹⁰⁾ FSB: 6SL3261-1BB00-0AA0
Migration Mounting Kit to fit FSAA/AB to former FSA	6SL3266-1ER00-0VA0

Spare parts

Replacement fan	
Frame size	Part number
FSA	6SL3200-0UF01-0AA0
FSB	6SL3200-0UF02-0AA0
FSC	6SL3200-0UF03-0AA0
FSD	6SL3200-0UF04-0AA0
FSE	6SL3200-0UF05-0AA0

3AC 380–480V

Rated data									
P _{rated} (LO)		I _L 480 V	P _{rated} (HO)		I _N 480 V	Part number		Fans	Frame size
kW	hp	A	kW	hp	A				
0.37	1/2	1.3	0.37	1/2	1.3	6SL3210-5BE13-7	V0	–	FSA
0.55	3/4	1.7	0.55	3/4	1.7	6SL3210-5BE15-5	V0	–	
0.75	1	2.2	0.75	1	2.2	6SL3210-5BE17-5	V0	–	
1.1	1–1/2	3.1	1.1	1–1/2	3.1	6SL3210-5BE21-1	V0	1	
1.5	2	4.1	1.5	2	4.1	6SL3210-5BE21-5	V0	1	
2.2	3	4.8	2.2	3	4.8	6SL3210-5BE22-2	V0	1	
3	4	7.3	3	4	7.3	6SL3210-5BE23-0	V0	1	FSB
4	5	8.24	4	5	8.24	6SL3210-5BE24-0	V0	1	
5.5	7–1/2	11	5.5	7–1/2	11	6SL3210-5BE25-5	V0	1	FSC
7.5	10	16.5	7.5	10	16.5	6SL3210-5BE27-5	V0	2	FSD
11	15	21	11	15	21	6SL3210-5BE31-1	V0	2	
15	20	31	15	20	31	6SL3210-5BE31-5	V0	2	
22	30	40	18.5	25	34	6SL3210-5BE31-8	V0	2	FSE
30	40	52	22	30	40	6SL3210-5BE32-2	V0	2	
EMC Standards									
With integrated line filter category C3 ⁵⁾								C	
Without integrated filter								U	

3AC 380–480V options

FS	P _{rated} (LO) kW	P _{rated} (HO) kW	Braking resistor 6SL3201-...	Line reactor 6SL3203-...	Output reactor 6SL3202-...	Shield connection kit 6SL3266-...	Line filter class B ⁶⁾ 6SL3203-...	Corresponding to the IEC standard				
								Standard fuse ⁷⁾		Circuit breaker ⁷⁾		
								Current in A	Part number	Part number		
FSA	0.37	0.37	OBE14-3AA0	OCE13-2AA0	OAE16-1CA0	1AA00-0VA0	OBE17-7BA0	6	3NA3801	3RV2011-1CA10		
	0.55	0.55								3RV2011-1DA10		
	0.75	0.75								3RV2011-1EA10		
	1.1	1.1								3RV2011-1FA10		
	1.5	1.5										
	2.2	2.2	OBE21-0AA0	OCE21-0AA0	OAE18-8CA0		10	3NA3803	3RV2011-1HA10			
FSB	3	3				1AB00-0VA0	OBE21-8BA0	16	3NA3805	3RV2011-1JA10		
	4	4			OAE21-8CA0			16	3NA3805	3RV2011-1KA10		
FSC	5.5	5.5	OBE21-8AA0	OCE21-8AA0		1AC00-0VA0		20	3NA3807	3RV2021-4AA10		
FSD	7.5	7.5			OAE23-8CA0	1AD00-0VA0	OBE23-8BA0	32	3NA3812	3RV2021-4BA10		
	11	11	OBE23-8AA0	OCE23-8AA0						–	–	3VL1103-1KM30-0AA0
	15	15								–	–	3VL1104-1KM30-0AA0
			6SE6400-...	6SE6400-...	6SE6400-...	6SL3266-...	6SL3203-...			3VL1105-1KM30-0AA0		
FSE	22	18.5	4BD21-2DA0	OJC24-5AA0	3TC05-4DD0	1AE00-0VA0	OBE23-8BA0	63	3NA3022	3VL1108-1KM30-0AA0		
	30	22		OJC25-3AA0			OBE27-5BA0	80	3NA3024	3VL1108-1KM30-0AA0		

Selecting SIMATIC S7-1200 PLC for SINAMICS V20s

The shown SIMATIC S7 selection is only a suggestion. For detailed and further information please refer to the SIMATIC S7-1200 brochure, catalog or web page: <http://siemens.com/simatic-s7-1200>

CPU			Communication module	
			RS485 communication for USS or Modbus RTU	Part number
CPU 1211C	1211 CPU AC/DC/Rly	6ES7 211-1BE40-0XB0	CB 1241 RS 485 or CM 1241 RS 485/422	6ES7241-1CH30-1XB0 or 6ES7241-1CH32-0XB0
	1211 CPU DC/DC/DC	6ES7 211-1AE40-0XB0		
	1211 CPU DC/DC/Rly	6ES7 211-1HE40-0XB0		
CPU 1212C	1212 CPU AC/DC/Rly	6ES7 212-1BE40-0XB0		
	1212 CPU DC/DC/DC	6ES7 212-1AE40-0XB0		
	1212 CPU DC/DC/Rly	6ES7 212-1HE40-0XB0		
CPU 1214C	1214 CPU AC/DC/Rly	6ES7 214-1BG40-0XB0		
	1214 CPU DC/DC/DC	6ES7 214-1AG40-0XB0		
	1214 CPU DC/DC/Rly	6ES7 214-1HG40-0XB0		
CPU 1215C	1215 CPU AC/DC/Rly	6ES7 215-1BG40-0XB0		
	1215 CPU DC/DC/DC	6ES7 215-1AG40-0XB0		
	1215 CPU DC/DC/Rly	6ES7 215-1HG40-0XB0		
CPU 1217C	1217 CPU DC/DC/DC	6ES7 217-1AG40-0XB0		