

SINAMICS G120 standard inverters

0.37 kW to 250 kW (0.5 hp to 400 hp)

Load-side power components > Sine-wave filters

Selection and ordering data

Rated power		PM240 Power Module	Sine-wave filter	
kW	hp	Type 6SL3224-...	Frame size	Article No.
380 ... 480 V 3 AC				
160	250	0XE41-3UA0	FSGX	6SL3000-2CE32-8AA0
200	300	0XE41-6UA0	FSGX	6SL3000-2CE33-3AA0
250	400	0XE42-0UA0	FSGX	6SL3000-2CE34-1AA0

Rated power		PM250 Power Module	Sine-wave filter	
kW	hp	Type 6SL3225-...	Frame size	Article No.
380 ... 480 V 3 AC				
7.5	10	0BE25-5AA1	FSC	6SL3202-0AE22-0SA0
11	15	0BE27-5AA1	FSC	6SL3202-0AE23-3SA0
15	20	0BE31-1AA1		
18.5	25	0BE31-5 . A0	FSD	6SL3202-0AE24-6SA0
22	30	0BE31-8 . A0		
30	40	0BE32-2 . A0	FSD	6SL3202-0AE26-2SA0
37	50	0BE33-0 . A0	FSE	6SL3202-0AE28-8SA0
45	60	0BE33-7 . A0		
55	75	0BE34-5 . A0	FSF	6SL3202-0AE31-5SA0
75	100	0BE35-5 . A0		
90	125	0BE37-5 . A0	FSF	6SL3202-0AE31-8SA0

SINAMICS G120 standard inverters

0.37 kW to 250 kW (0.5 hp to 400 hp)

Load-side power components > Sine-wave filters

Technical specifications

Line voltage 380 ... 480 V 3 AC		Sine-wave filter (permissible for 4 kHz pulse frequency – note additional current derating as compared with rated pulse frequency of 2 kHz, see derating data)		
		6SL3000-2CE32-8AA0	6SL3000-2CE33-3AA0	6SL3000-2CE34-1AA0
Rated current	A	276	333	408
Power loss	kW	0.235	0.245	0.34
Connection to the Power Module		1 × hole for M10	1 × hole for M10	1 × hole for M10
Motor connection		1 × hole for M10	1 × hole for M10	1 × hole for M10
PE connection		1 × hole for M10	1 × hole for M10	1 × hole for M10
Cable length, max. between sine-wave filter and motor				
• 380 ... 480 V ±10 % 3 AC				
- Shielded	m (ft)	300 (984)	300 (984)	300 (984)
- Unshielded	m (ft)	450 (1476)	450 (1476)	450 (1476)
Dimensions				
• Width	mm (in)	620 (24.41)	620 (24.41)	620 (24.41)
• Height	mm (in)	300 (11.81)	370 (14.57)	370 (14.57)
• Depth	mm (in)	320 (12.6)	360 (14.17)	360 (14.17)
Degree of protection		IP00	IP00	IP00
Weight, approx.	kg (lb)	127 (280)	136 (300)	198 (437)
Suitable for PM240 Power Module		Type	6SL3224-0XE41-3UA0	6SL3224-0XE41-6UA0
• Rated power of the Power Module		kW	160	200
• Rated current I_{rated} of the Power Module		A	302	370
• Frame size		FSGX	FSGX	FSGX

Line voltage 380 ... 480 V 3 AC		Sine-wave filter		
		6SL3202-0AE22-0SA0	6SL3202-0AE23-3SA0	
Rated current	A	20	33	33
Power loss	kW	0.099	0.151	0.151
Connection to the Power Module		Cable	Cable	Cable
• Conductor cross-section	mm ²	10	10	10
• Length, approx.	m (ft)	0.5 (1.64)	0.5 (1.64)	0.5 (1.64)
Motor connection		Screw-type terminals	Screw-type terminals	Screw-type terminals
• Conductor cross-section	mm ²	6	6	6
PE connection		M5 screw stud	M5 screw stud	M5 screw stud
Cable length, max. between sine-wave filter and motor				
• 380 ... 480 V 3 AC ±10 %				
- Shielded	m (ft)	200 (656)	200 (656)	200 (656)
- Unshielded	m (ft)	300 (984)	300 (984)	300 (984)
Dimensions				
• Width	mm (in)	189 (7.44)	189 (7.44)	189 (7.44)
• Height	mm (in)	336 (13.23)	336 (13.23)	336 (13.23)
• Depth	mm (in)	140 (5.51)	140 (5.51)	140 (5.51)
Possible as base component		Yes	Yes	Yes
Degree of protection		IP20	IP20	IP20
Weight, approx.	kg (lb)	12 (26.5)	23 (50.7)	23 (50.7)
Suitable for PM250 Power Module		Type	6SL3225-0BE25-5AA1	6SL3225-0BE27-5AA1
• Rated power of the Power Module		kW	7.5	11
• Rated current I_{rated} of the Power Module		A	18	25
• Frame size		FSC	FSC	FSC