

# 1 SINAMICS G120 — selecting the Power Module and power-dependent options

## Power Modules PM240/PM240-2

What power is required? (LO = Low Overload; HO = High Overload) <i>Definition HO/LO see p.18</i>	Is a filtered device of Class A required?	Are additional external line filters required (for example to maintain specific EMC values)?
PM240/PM240-2 Power Modules have an integrated braking chopper and are suitable for many applications in general machinery construction.	The integrated EMC filter (Class A filter) is required to maintain the cable-conducted interference voltages and the radiated disturbances for installations in compliance with EN 61800-3 Category C2.	The external EMC filter (Class B filter) is also used to maintain cable-conducted interference voltages for installations according to EN 61800-3 Category C1. An unfiltered PM240-2 must be selected when using a Class B filter.

## Power Modules 1/3AC PM240-2/200V – 240V +/-10 %

Rated power LO (kW)	Rated power (hp)	Output current LO (A) I <sub>N</sub>	Output current HO (A) I <sub>CH</sub>	Frame size	Unfiltered Power Modules (Part number)	Integrated Class A filter Power Modules (Part number)	Class A filter	Class B line filter
<b>1AC / 3 AC 200V ... 240V</b>								
0.55	0.75	3.2	2.3	FSA	6SL3210-1PB13-0U0L0	6SL3210-1PB13-0AL0	integrated	-
0.75	1	4.2	3.2	FSA	6SL321□-1PB13-8U0L0	6SL321□-1PB13-8AL0	integrated	-
1.1	1.5	6	4.2	FSB	6SL3210-1PB15-5U0L0	6SL3210-1PB15-5AL0	integrated	-
1.5	2	7.4	6	FSB	6SL3210-1PB17-4U0L0	6SL3210-1PB17-4AL0	integrated	-
2.2	3	10.4	7.4	FSB	6SL321□-1PB21-0U0L0	6SL321□-1PB21-0AL0	integrated	-
3	4	13.6	10.4	FSC	6SL3210-1PB21-4U0L0	6SL3210-1PB21-4AL0	integrated	-
4	5	17.5	13.6	FSC	6SL321□-1PB21-8U0L0	6SL321□-1PB21-8AL0	integrated	-
<b>3AC 200V ... 240V</b>								
5.5	7.5	22	17.5	FSC	6SL3210-1PC22-2U0L0	6SL3210-1PC22-2AL0	integrated	-
7.5	10	28	22	FSC	6SL3210-1PC22-8U0L0	6SL3210-1PC22-8AL0	integrated	-
11	15	42	35	FSD	6SL3210-1PC24-2U0L0	-	-	-
15	20	54	42	FSD	6SL3210-1PC25-4U0L0	-	-	-
18.5	25	68	54	FSD	6SL3210-1PC26-8U0L0	-	-	-
22	30	80	68	FSE	6SL3210-1PC28-0U0L0	-	-	-
30	40	104	80	FSE	6SL3210-1PC31-1U0L0	-	-	-

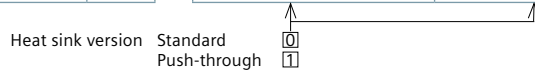
The PM240-2 200V has now been completely selected.

The PM240-2 200V has now been completely selected.

## Power Modules 3AC PM240/PM240-2/380V – 480V +/-10 %

Rated power LO (kW)	Rated power (hp)	Output current LO (A)	Output current HO (A)	Frame size	Unfiltered Power Modules (Part number)	Integrated Class A filter Power Modules (Part number)	Class A filter is integrated in the filter device up to 90 kW (Part number)	Class B line filter (subassembly) <sup>3)</sup> (Part number)
0.55	0.75	1.7	1.3	FSA	6SL3210-1PE11-8U1	6SL3210-1PE11-8A1	integrated	6SL3203-0BE17-7BA0
0.75	1	2.2	1.7	FSA	6SL3210-1PE12-3U1	6SL3210-1PE12-3A1	integrated	6SL3203-0BE17-7BA0
1.1	1.5	3.1	2.2	FSA	6SL3210-1PE13-2U1	6SL3210-1PE13-2A1	integrated	6SL3203-0BE17-7BA0
1.5	2	4.1	3.1	FSA	6SL3210-1PE14-3U1	6SL3210-1PE14-3A1	integrated	6SL3203-0BE17-7BA0
2.2	3	5.9	4.1	FSA	6SL3210-1PE16-1U1	6SL3210-1PE16-1A1	integrated	6SL3203-0BE17-7BA0
3	4	7.7	5.9	FSA	6SL321□-1PE18-0U1	6SL321□-1PE18-0A1	integrated	6SL3203-0BE17-7BA0
4	5	10.2	7.7	FSB	6SL3210-1PE21-1U0L0	6SL3210-1PE21-1A0L0	integrated	6SL3203-0BE21-8BA0
5.5	7.5	13.2	10.2	FSB	6SL3210-1PE21-4U0L0	6SL3210-1PE21-4A0L0	integrated	6SL3203-0BE21-8BA0
7.5	10	18	13.7	FSB	6SL321□-1PE21-8U0L0	6SL321□-1PE21-8A0L0	integrated	6SL3203-0BE21-8BA0
11	15	26	18	FSC	6SL3210-1PE22-7U0L0	6SL3210-1PE22-7A0L0	integrated	6SL3203-0BE23-8BA0
15	20	32	26	FSC	6SL321□-1PE23-3U0L0	6SL321□-1PE23-3A0L0	integrated	6SL3203-0BE23-8BA0
18.5	25	38	32	FSD	6SL3210-1PE23-8U0L0	6SL3210-1PE23-8A0L0	integrated	-
22	30	45	38	FSD	6SL3210-1PE24-5U0L0	6SL3210-1PE24-5A0L0	integrated	-
30	40	60	45	FSD	6SL3210-1PE26-0U0L0	6SL3210-1PE26-0A0L0	integrated	-
37	50	75	60	FSD	6SL3210-1PE27-5U0L0	6SL3210-1PE27-5A0L0	integrated	-
45	60	90	75	FSE	6SL3210-1PE28-8U0L0	6SL3210-1PE28-8A0L0	integrated	-
55	75	110	90	FSE	6SL3210-1PE31-1U0L0	6SL3210-1PE31-1A0L0	integrated	-
75	100	145	110	FSF	6SL3224-0BE35-5UA0	6SL3224-0BE35-5AA0	integrated	-
90	125	178	145	FSF	6SL3224-0BE37-5UA0	6SL3224-0BE37-5AA0	integrated	-
110	150	205	178	FSF	6SL3224-0BE38-8UA0	-	6SL3203-0BE32-5AA0	-
132	200	250	205	FSF	6SL3224-0BE41-1UA0	-	6SL3203-0BE32-5AA0	-
160	250	302	250	FSGX <sup>2)</sup>	6SL3224-0XE41-3UA0	-	6SL3000-0BE36-0AA0	-
200	300	370	302	FSGX <sup>2)</sup>	6SL3224-0XE41-6UA0	-	6SL3000-0BE36-0AA0	-
250	400	477	370	FSGX <sup>2)</sup>	6SL3224-0XE42-0UA0	-	6SL3000-0BE36-0AA0	-

The PM240 / PM240-2 400V has now been completely selected.



<sup>1)</sup> 1AC line reactor as third-party option will be available soon. We recommend a line reactor for line supplies with uk < 1%; alternatively, the next higher Power Module can be selected.

<sup>2)</sup> A Braking Module is additionally required for frame size FSGX: 6SL3300-1AE32-5AA0