## **SIEMENS**

## **Data sheet for SINAMICS Power module PM240-2**

6SL3210-1PH23-5UL0 Article No.:

Client order no. : Order no. : Offer no.: Remarks :





Rated data		
Input		
Number of phases	3 AC	
Line voltage	500 690 V ±10 %	
Line frequency	47 63 Hz	
Rated current (LO)	33.00 A	
Rated current (HO)	28.00 A	
Output		
Number of phases	3 AC	
Rated voltage	690V IEC	600V NEC 1)
Rated power (LO)	30.00 kW	30.00 hp
Rated power (HO)	22.00 kW	25.00 hp
Rated current (LO)	35.00 A	
Rated current (HO)	27.00 A	
Max. output current	54.00 A	
Pulse frequency	2 kHz	
Output frequency for vector control	0 200 Hz	
Output frequency for V/f control	0 550 Hz	
Overload capability		

## Overload capability

Low Overload (LO)

1.1 x rated output current (i.e. 110 % overload) for 57 s with a cycle time of 300 s 1.5  $\times$  rated output current (i.e. 150 % overload) for 3 s with a cycle time of 300 s

High Overload (HO)

 $1.5\times$  output current rating (i.e., 150 % overload) for 57 s with a cycle time of 300 s 2  $\times$  output current rating (i.e., 200 % overload) for 3 s with a cycle time of 300 s

General tech. specifications		
Power factor λ	0.90	
Offset factor $\cos\phi$	0.99	
Efficiency η	0.98	
Sound pressure level (1m)	72 dB	
Power loss	0.72 kW	
Filter class (integrated)	-	

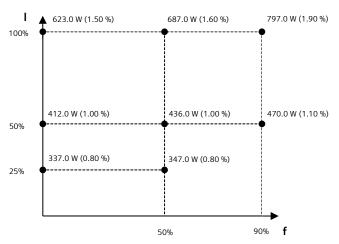
Ambient conditions		
Internal air cooling		
0.055 m <sup>3</sup> /s (1.942 ft <sup>3</sup> /s)		
1,000 m (3,280.84 ft)		
-20 40 °C (-4 104 °F)		
-20 50 °C (-4 122 °F)		
-40 70 °C (-40 158 °F)		
-40 70 °C (-40 158 °F)		
10 70 C ( 10 130 1)		
95 % RH, condensation not permitted		
75 % Kir, condensation not permitted		
Connections		
screw-type terminal		
10.00 35.00 mm² (AWG 8 AWG 2)		
Screw-type terminals		
10.00 35.00 mm <sup>2</sup> (AWG 8 AWG 2)		
Screw-type terminals		
2.50 16.00 mm <sup>2</sup> (AWG 14 AWG 6)		
10 m (32.81 ft)		
Screw-type terminals		
200 m (656.17 ft)		
300 m (984.25 ft)		
anical data		
IP20 / UL open type		
FSD		
17.00 kg (37.48 lb)		
200 mm (7.87 in)		
472 mm (18.58 in)		
237 mm (9.33 in)		
237 mm (9.33 in)  andards		



## Data sheet for SINAMICS Power module PM240-2

Article No.: 6SL3210-1PH23-5UL0

Converter losses to IEC61800-9-2*		
Efficiency class	IE2	
Comparison with the reference converter (90% / 100%)	39.80 %	



The percentage values show the losses in relation to the rated apparent power of the converter.

The diagram shows the losses for the points (as per standard IEC61800-9-2) of the relative torque generating current (I) over the relative motor stator frequency (f). The values are valid for the basic version of the converter without options/components.

\*converted values

<sup>1)</sup> The output current and HP ratings are valid for the voltage range 550V-600V