## **SIEMENS**

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

Article No.: 6SL3210-1PE28-8UL0

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





Figure simila

Rated data		
Input		
Number of phases	3 AC	
Line voltage	380 480 V ±10 %	
Line frequency	47 63 Hz	
Rated current (LO)	86.00 A	
Rated current (HO)	78.00 A	
Output		
Number of phases	3 AC	
Rated voltage	400V IEC	480V NEC 1)
Rated power (LO)	45.00 kW	60.00 hp
Rated power (HO)	37.00 kW	50.00 hp
Rated current (LO)	90.00 A	
Rated current (HO)	75.00 A	
Max. output current	150.00 A	
Pulse frequency	4 kHz	
Output frequency for vector control	0 200 Hz	
Output frequency for V/f control	0 550 Hz	
Overload canability		

## 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	0.95	
Offset factor $\cos\phi$	0.99	
Efficiency η	0.98	
Sound pressure level (1m)	71 dB	
Power loss	1.19 kW	
Filter class (integrated)	-	

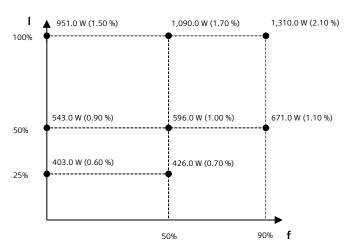
Internal air cooling		
0.083 m³/s (2.931 ft³/s)		
1,000 m (3,280.84 ft)		
-20 40 °C (-4 104 °F)		
-20 50 °C (-4 122 °F)		
-40 70 °C (-40 158 °F)		
-40 70 °C (-40 158 °F)		
95 % RH, condensation not permitted		
ections		
screw-type terminal		
25.00 70.00 mm² (AWG 4 AWG -1)		
Screw-type terminals		
25.00 70.00 mm² (AWG 4 AWG -1)		
Screw-type terminals		
10.00 35.00 mm <sup>2</sup> (AWG 8 AWG 2)		
10 m (32.81 ft)		
Screw-type terminals		
200 m (656.17 ft)		
300 m (984.25 ft)		
nical data		
IP20 / UL open type		
FSE		
26.00 kg (57.32 lb)		
275 mm (10.83 in)		
551 mm (21.69 in)		
237 mm (9.33 in)		
Standards		
UL, cUL, CE, C-Tick (RCM), SEMI F47		
Low-voltage directive 2006/95/EC		



## Data sheet for SINAMICS Power module PM240-2

Article No.: 6SL3210-1PE28-8UL0

Converter losses to IEC61800-9-2*		
Efficiency class	IE2	
Comparison with the reference converter (90% / 100%)	44.50 %	



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 440V-480V