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Data sheet for SINAMICS Power Module PM330

Figure similar

MLFB-Ordering data **6SL3310-1PE36-6AA0**

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

Item no. :
Consignment no. :
Project :

Rated data

Input

Number of phases	3 AC
Line voltage	380 ... 480 V ±10 %
Line frequency	47 ... 63 Hz
Rated current (LO)	654.00 A
Rated current (HO)	501.00 A

Output

Number of phases	3 AC
Rated voltage	400 V
Rated current (LO)	640.00 A
Rated current (HO)	491.00 A
Max. output current	864.00 A
Rated power IEC 400V (LO)	355.00 kW
Rated power NEC 480V (LO)	450.00 hp
Rated power IEC 400V (HO)	250.00 kW
Rated power NEC 480V (HO)	300.00 hp
Pulse frequency	2 kHz
Output frequency for vector control	0 ... 100 Hz
Output frequency for V/f control	0 ... 100 Hz

Overload capability

Low Overload (LO)

1.35 × base load current IL (i.e., 135 % overload) for 3 s or 1.1 × base load current IL (i.e., 110 % overload) for 60 s in a 300 s cycle time

High Overload (HO)

1.5 × base load current IH (i.e., 150 % overload) for 60 s in a 300 s cycle time

General tech. specifications

Power factor λ	0.93
Offset factor cos φ	0.96
Efficiency η	0.98
Sound pressure level (1m)	74 dB
Power loss	7.69 kW
Filter class (integrated)	-

Ambient conditions

Cooling	Internal air cooling
Cooling air requirement	0.362 m³/s (12.784 ft³/s)
Installation altitude	1000 m (3280.84 ft)

Ambient temperature

Operation LO	0 ... 40 °C (32 ... 104 °F)
Operation HO	0 ... 40 °C (32 ... 104 °F)
Transport	-25 ... 55 °C (-13 ... 131 °F)
Storage	-25 ... 55 °C (-13 ... 131 °F)

Relative humidity

Max. operation	95 % RH, condensation not permitted

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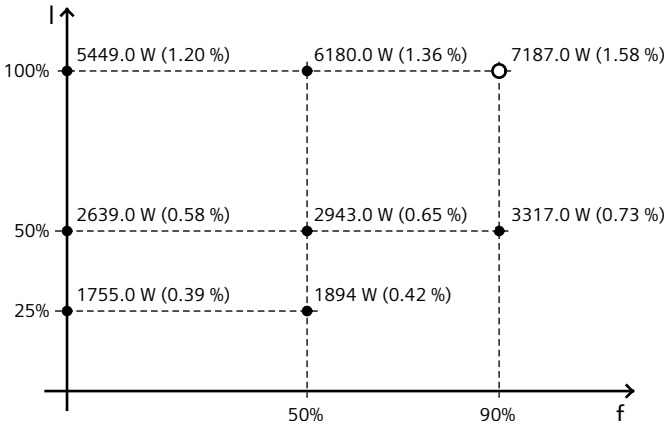
Mechanical data

Degree of protection	IP20 / UL open type
Size	HX
Net weight	155.00 kg (341.72 lb)
Width	548 mm (21.57 in)
Height	1696 mm (66.77 in)
Depth	393 mm (15.47 in)

Converter losses to EN 50598-2*

Efficiency class	IE2
Comparison with the reference converter (90% / 100%)	-61.37 %



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 EN 50598) 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

Connections

Line side

Version	M12 screw
Conductor cross-section	240.00 ... 240.00 mm²

Motor end

Version	M12 screw
Conductor cross-section	240.00 ... 240.00 mm²

DC link (for braking resistor)

Version	M12 screw
Conductor cross-section	240.00 ... 70.00 mm² (AWG -1)
PE connection	M12 screw

Max. motor cable length

Shielded	100 m (328.08 ft)
Unshielded	200 m (656.17 ft)

Standards

Compliance with standards	UL, cUL, CE, C-Tick (RCM)
CE marking	Low-voltage directive 2006/95/EC