



Figure similar

### MLFB-Ordering data

6SL3210-1NE17-7UG1

Client order no. :

Order no. :

Offer no. :

Remarks :

Item no. :

Consignment no. :

Project :

Rated data		General tech. specifications	
<b>Input</b>		<b>Power factor <math>\lambda</math></b>	0.90
<b>Number of phases</b>	3 AC	<b>Offset factor <math>\cos \varphi</math></b>	0.95
<b>Line voltage</b>	380 ... 480 V $\pm 10$ %	<b>Efficiency <math>\eta</math></b>	0.96
<b>Line frequency</b>	47 ... 63 Hz	<b>Sound pressure level (1m)</b>	50 dB
<b>Rated current (LO)</b>	8.00 A	<b>Power loss</b>	0.11 kW
<b>Rated current (HO)</b>	6.10 A	<b>Ambient conditions</b>	
<b>Output</b>		<b>Cooling</b>	Internal air cooling
<b>Number of phases</b>	3 AC	<b>Cooling air requirement</b>	0.005 m <sup>3</sup> /s
<b>Rated voltage</b>	400 V	<b>Installation altitude</b>	1000 m
<b>Rated power (LO)</b>	3.00 kW / 4.00 hp	<b>Ambient temperature</b>	
<b>Rated power (HO)</b>	2.20 kW / 3.00 hp	<b>Operation LO</b>	-10 ... 40 °C (14 ... 104 °F)
<b>Rated current (LO)</b>	7.70 A	<b>Operation HO</b>	-10 ... 50 °C (14 ... 122 °F)
<b>Rated current (HO)</b>	5.90 A	<b>Transport</b>	-40 ... 70 °C (-40 ... 158 °F)
<b>Max. output current</b>	11.80 A	<b>Storage</b>	-40 ... 70 °C (-13 ... 131 °F)
<b>Pulse frequency</b>	4 kHz	<b>Relative humidity</b>	
<b>Output frequency for vector control</b>	0 ... 200 Hz	<b>Max. operation</b>	95 % RH, condensation not permitted
<b>Output frequency for V/f control</b>	0 ... 550 Hz		

### 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 x rated output current (i.e. 150 % overload) for 3 s with a cycle time of 300 s

#### High Overload (HO)

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

SIEMENS

Data sheet for SINAMICS Power Module PM230

MLFB-Ordering data

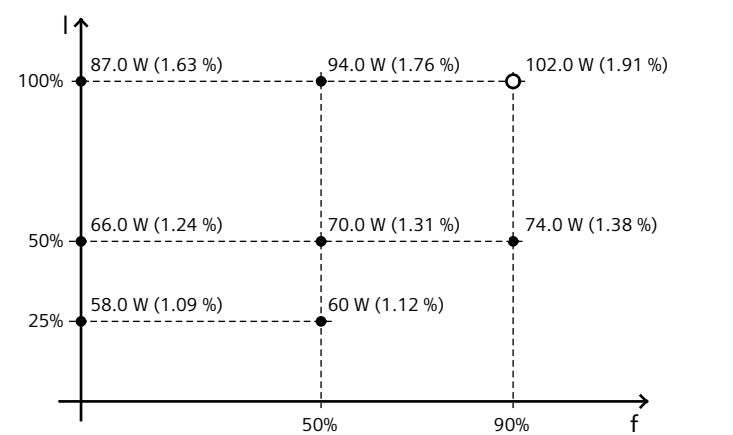
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Figure similar

Mechanical data	Connections
Degree of protection	Line side
Size	Version
Net weight	Conductor cross-section
Width	Motor end
Height	Version
Depth	Conductor cross-section
Converter losses to EN 50598-2*	

Efficiency class	IE2
Comparison with the reference converter (90% / 100%)	-71.58 %



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

Line side
Version
Conductor cross-section
Motor end
Version
Conductor cross-section

Max. motor cable length
Shielded
Unshielded

Standards
Compliance with standards
CE marking