

### MLFB-Ordering data

6SL3224-0BE33-0UA0



Figure similar

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>	0.85
Number of phases	3 AC	<b>Offset factor <math>\cos \varphi</math></b>	0.95
Line voltage	380 ... 480 V $\pm 10$ %	<b>Efficiency <math>\eta</math></b>	0.97
Line frequency	47 ... 63 Hz	<b>Sound pressure level (1m)</b>	60 dB
Rated current with line reactor	78.00 A	<b>Power loss</b>	0.99 kW
Rated current without line reactor	88.00 A	<b>Ambient conditions</b>	
<b>Output</b>		<b>Cooling</b>	Internal air cooling
Number of phases	3 AC	<b>Cooling air requirement</b>	0.055 m <sup>3</sup> /s
Rated voltage	400 V	<b>Installation altitude</b>	1000 m
Rated power (LO)	37.00 kW / 50.00 hp	<b>Ambient temperature</b>	
Rated power (HO)	30.00 kW / 40.00 hp	<b>Operation LO</b>	0 ... 40 °C (32 ... 104 °F)
Rated current (LO)	75.00 A	<b>Operation HO</b>	0 ... 50 °C (32 ... 122 °F)
Rated current (HO)	60.00 A	<b>Transport</b>	-40 ... 70 °C (-40 ... 158 °F)
Max. output current	124.00 A	<b>Storage</b>	-25 ... 55 °C (-13 ... 131 °F)
Pulse frequency	4 kHz	<b>Relative humidity</b>	
Output frequency for vector control	0 ... 200 Hz	<b>Max. operation</b>	95 % RH, condensation not permitted
Output frequency for V/f control	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 PM240

MLFB-Ordering data

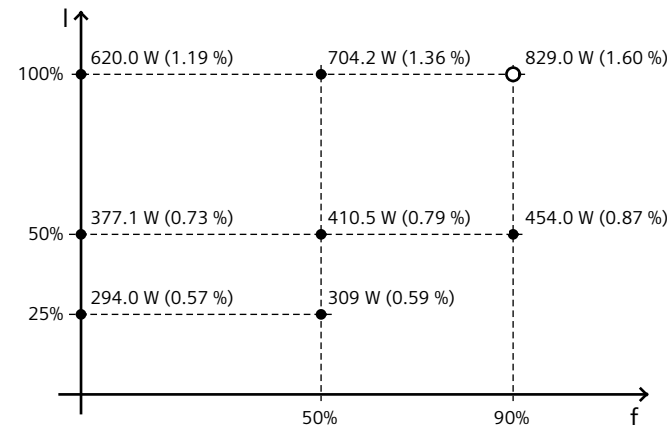
6SL3224-0BE33-0UA0



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*	DC link (for braking resistor)

Efficiency class	IE2
Comparison with the reference converter (90% / 100%)	-66.74 %



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.

\*calculated values; increased by 10% according to the standard

Connections
Line side
Version
Conductor cross-section
Motor end
Version
Conductor cross-section
DC link (for braking resistor)
Version
Conductor cross-section
PE connection
Max. motor cable length
Shielded
Unshielded
Standards
Compliance with standards

CE marking	Low-voltage directive 2006/95/EC
------------	----------------------------------