



Figure similar

### MLFB-Ordering data

6SL3211-1NE23-8UL0

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
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>	0.98
Line frequency	47 ... 63 Hz	<b>Sound pressure level (1m)</b>	65 dB
Rated current (LO)	39.00 A	<b>Power loss</b>	0.45 kW
Rated current (HO)	33.00 A	<b>Ambient conditions</b>	
<b>Output</b>		<b>Cooling</b>	Internal air cooling
Number of phases	3 AC	<b>Cooling air requirement</b>	0.019 m <sup>3</sup> /s
Rated voltage	400 V	<b>Installation altitude</b>	1000 m
Rated power (LO)	18.50 kW / 25.00 hp	<b>Ambient temperature</b>	
Rated power (HO)	15.00 kW / 20.00 hp	<b>Operation LO</b>	0 ... 40 °C (32 ... 104 °F)
Rated current (LO)	38.00 A	<b>Operation HO</b>	0 ... 50 °C (32 ... 122 °F)
Rated current (HO)	32.00 A	<b>Transport</b>	-40 ... 70 °C (-40 ... 158 °F)
Max. output current	64.00 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



Figure similar

MLFB-Ordering data

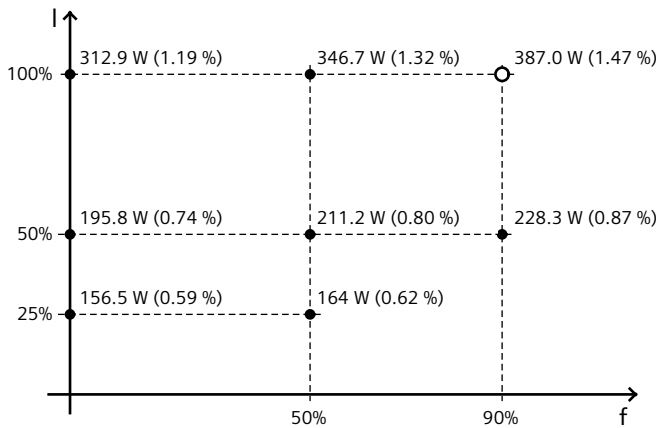
6SL3211-1NE23-8UL0

Mechanical data	
Degree of protection	IP20
Size	FSC
Net weight	5.40 kg
Width	200.0 mm
Height	411.0 mm
Depth	171.0 mm

Converter losses to EN 50598-2*	
Efficiency class	IE2
Comparison with the reference converter (90% / 100%)	-71.01 %

Connections	
<b>Line side</b>	
Version	Plug-in screw terminals
Conductor cross-section	6.00 ... 16.00 mm <sup>2</sup>
<b>Motor end</b>	
Version	Plug-in screw terminals
Conductor cross-section	10.00 ... 16.00 mm <sup>2</sup>



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

Max. motor cable length	
Shielded	25 m
Unshielded	100 m

Standards	
Compliance with standards	UL, CE
CE marking	Low-voltage directive 2006/95/EC