



Figure similar

### MLFB-Ordering data

6SL3210-1PB13-8UL0

Client order no. :

Order no. :

Offer no. :

Remarks :

Item no. :

Consignment no. :

Project :

Rated data	General tech. specifications
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#### Input

Number of phases	1 / 3 AC
Line voltage	200 ... 240 V $\pm$ 10 %
Line frequency	47 ... 63 Hz
Rated current (LO)	9.60 A / 5.50 A
Rated current (HO)	8.40 A / 4.80 A

#### Output

Number of phases	3 AC
Rated voltage	230 V
Rated current (LO)	4.20 A
Rated current (HO)	3.20 A
Max. output current	6.40 A
Rated power IEC 230V (LO)	0.75 kW
Rated power NEC 240V (LO)	1.00 hp
Rated power IEC 230V (HO)	0.55 kW
Rated power NEC 240V (HO)	0.75 hp
Pulse frequency	4 kHz
Output frequency for vector control	0 ... 200 Hz
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

Power factor $\lambda$	0.85
Offset factor $\cos \phi$	0.95
Efficiency $\eta$	0.96
Sound pressure level (1m)	50 dB
Power loss	0.04 kW
Filter class (integrated)	-

#### Ambient conditions

Cooling	Internal air cooling
Cooling air requirement	0.005 m <sup>3</sup> /s (0.177 ft <sup>3</sup> /s)
Installation altitude	1000 m (3280.84 ft)

#### Ambient temperature

Operation LO	-5 ... 40 °C (23 ... 104 °F)
Operation HO	-5 ... 50 °C (23 ... 122 °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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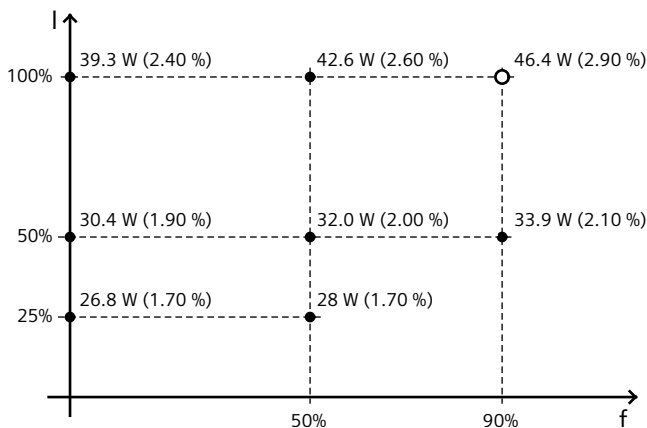
6SL3210-1PB13-8UL0

### Mechanical data

Degree of protection	IP20 / UL open type
Size	FSA
Net weight	1.40 kg (3.09 lb)
Width	73 mm (2.87 in)
Height	196 mm (7.72 in)
Depth	165 mm (6.50 in)

### Converter losses to IEC61800-9-2\*

Efficiency class	IE2
Comparison with the reference converter (90% / 100%)	30.10 %



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

### Connections

#### Line side

Version	Plug-in screw terminals
Conductor cross-section	1.00 ... 2.50 mm <sup>2</sup> (AWG 18 ... AWG 14)

#### Motor end

Version	Plug-in screw terminals
Conductor cross-section	1.00 ... 2.50 mm <sup>2</sup> (AWG 18 ... AWG 14)

### Max. motor cable length

Shielded	50 m (164.04 ft)
Unshielded	100 m (328.08 ft)

### Standards

Compliance with standards	UL, cUL, CE, C-Tick (RCM), SEMI F47
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CE marking	Low-voltage directive 2006/95/EC
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