



Figure similar

### MLFB-Ordering data

6SL3310-1PE33-0AA0

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>	0.93
Number of phases	3 AC	<b>Offset factor <math>\cos \phi</math></b>	0.96
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>	71 dB
Rated current (LO)	307.00 A	<b>Power loss</b>	3.23 kW
Rated current (HO)	254.00 A	<b>Filter class (integrated)</b>	-
<b>Output</b>		<b>Ambient conditions</b>	
Number of phases	3 AC	<b>Cooling</b>	Internal air cooling
Rated voltage	400 V	<b>Cooling air requirement</b>	0.210 m <sup>3</sup> /s (7.416 ft <sup>3</sup> /s)
Rated current (LO)	290.00 A	<b>Installation altitude</b>	1000 m (3280.84 ft)
Rated current (HO)	240.00 A	<b>Ambient temperature</b>	
Max. output current	392.00 A	<b>Operation LO</b>	0 ... 40 °C (32 ... 104 °F)
Rated power IEC 400V (LO)	160.00 kW	<b>Operation HO</b>	0 ... 50 °C (32 ... 122 °F)
Rated power NEC 480V (LO)	200.00 hp	<b>Transport</b>	-25 ... 55 °C (-13 ... 131 °F)
Rated power IEC 400V (HO)	132.00 kW	<b>Storage</b>	-25 ... 55 °C (-13 ... 131 °F)
Rated power NEC 480V (HO)	150.00 hp	<b>Relative humidity</b>	
Pulse frequency	2 kHz	<b>Max. operation</b>	95 % RH, condensation not permitted
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



Figure similar

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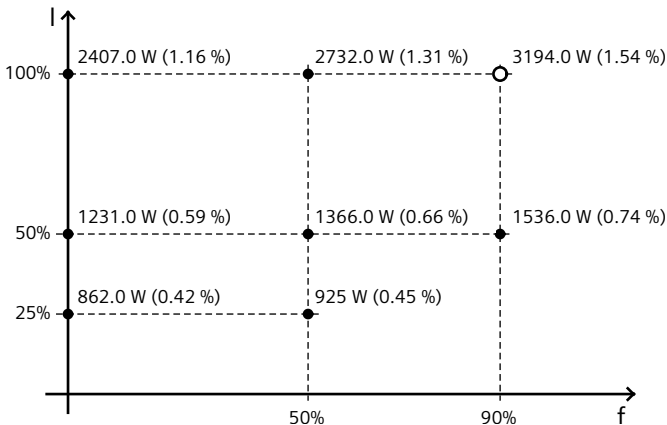
6SL3310-1PE33-0AA0

### Mechanical data

Degree of protection	IP20 / UL open type
Size	GX
Net weight	101.00 kg (222.67 lb)
Width	452 mm (17.80 in)
Height	1447 mm (56.97 in)
Depth	327 mm (12.87 in)

### Converter losses to EN 50598-2\*

Efficiency class	IE2
Comparison with the reference converter (90% / 100%)	-62.35 %



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	120.00 ... 240.00 mm <sup>2</sup> (AWG -3)

#### Motor end

Version	M12 screw
Conductor cross-section	95.00 ... 240.00 mm <sup>2</sup> (AWG -2)

#### DC link (for braking resistor)

Conductor cross-section	35.00 mm <sup>2</sup> (AWG 2)
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#### 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), kc, GOST-R (EAC)
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CE marking	Low-voltage directive 2006/95/EC
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