

Article No. :

6SL3210-1PE32-1AL0

Client order no. :  
Order no. :  
Offer no. :  
Remarks :

Item no. :  
Consignment no. :  
Project :



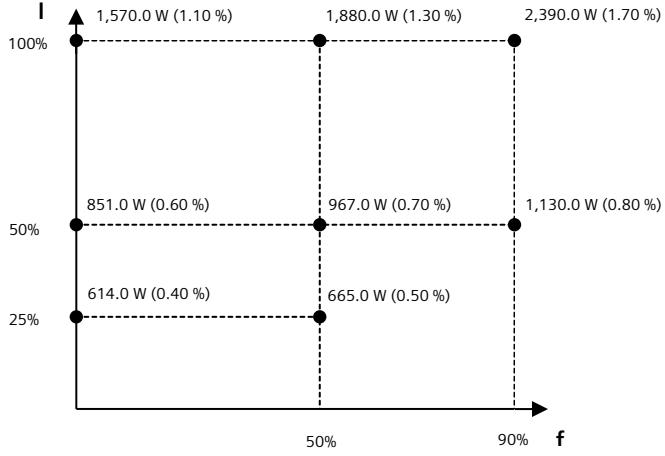
Figure similar

Rated data		
<b>Input</b>		
Number of phases	3 AC	
Line voltage	380 ... 480 V $\pm 10\%$	
Line frequency	47 ... 63 Hz	
Rated current (LO)	198.00 A	
Rated current (HO)	189.00 A	
<b>Output</b>		
Number of phases	3 AC	
<b>Rated voltage</b>	<b>400V IEC</b>	<b>480V NEC<sup>1)</sup></b>
Rated power (LO)	110.00 kW	150.00 hp
Rated power (HO)	90.00 kW	125.00 hp
Rated current (LO)	205.00 A	
Rated current (HO)	178.00 A	
Max. output current	356.00 A	
Pulse frequency	2 kHz	
Output frequency for vector control	0 ... 200 Hz	
Output frequency for V/f control	0 ... 550 Hz	
<b>Overload capability</b>		
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	
General tech. specifications		
Power factor $\lambda$	0.95	
Offset factor $\cos \varphi$	0.99	
Efficiency $\eta$	0.99	
Sound pressure level (1m)	68 dB	
Power loss	2.17 kW	
Filter class (integrated)	Class A	

Ambient conditions	
Cooling	Internal air cooling
Cooling air requirement	0.153 m <sup>3</sup> /s (5.403 ft <sup>3</sup> /s)
Installation altitude	1,000 m (3,280.84 ft)
<b>Ambient temperature</b>	
Operation LO	-20 ... 40 °C (-4 ... 104 °F)
Operation HO	-20 ... 50 °C (-4 ... 122 °F)
Transport	-25 ... 55 °C (-13 ... 131 °F)
Storage	-25 ... 55 °C (-13 ... 131 °F)
<b>Relative humidity</b>	
Max. operation	95 % RH, condensation not permitted
Connections	
<b>Line side</b>	
Version	M10 bolt
Conductor cross-section	35.00 ... 120.00 mm <sup>2</sup> (AWG 2 ... AWG -3)
<b>Motor end</b>	
Version	M10 bolt
Conductor cross-section	35.00 ... 120.00 mm <sup>2</sup> (AWG 2 ... AWG -3)
<b>DC link (for braking resistor)</b>	
Version	Screw-type terminals
Conductor cross-section	25.00 ... 70.00 mm <sup>2</sup> (AWG 4 ... AWG -1)
Cable length	10 m (32.81 ft)
PE connection	M10 screw studs
<b>Max. motor cable length</b>	
Shielded	300 m (984.25 ft)
Unshielded	450 m (1,476.38 ft)
Mechanical data	
Degree of protection	IP20 / UL open type
Frame size	FSF
Net weight	65.00 kg (143.30 lb)
<b>Dimensions</b>	
Width	305 mm (12.01 in)
Height	708 mm (27.87 in)
Depth	357 mm (14.06 in)
Standards	
Compliance with standards	UL, cUL, CE, C-Tick (RCM), SEMI F47
CE marking	Low-voltage directive 2006/95/EC

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Converter losses to IEC61800-9-2*	
Efficiency class	IE2
Comparison with the reference converter (90% / 100%)	41.00 %



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.

\*calculated values

<sup>1)</sup>The output current and HP ratings are valid for the voltage range 440V-480V