

Article No. :

6SL3210-1PB21-4UL0



Figure similar

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

Item no. :  
Consignment no. :  
Project :

Rated data		
<b>Input</b>		
Number of phases	1 / 3 AC	
Line voltage	200 ... 240 V $\pm 10\%$	
Line frequency	47 ... 63 Hz	
Rated current (LO)	35.90 A / 20.70 A	
Rated current (HO)	31.30 A / 18.10 A	
<b>Output</b>		
Number of phases	3 AC	
<b>Rated voltage</b>	230V IEC	240V NEC <sup>1)</sup>
Rated power (LO)	3.00 kW	4.00 hp
Rated power (HO)	2.20 kW	3.00 hp
Rated current (LO)	13.60 A	
Rated current (HO)	10.40 A	
Max. output current	20.80 A	
Pulse frequency	4 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 $\lambda$	0.85	
Offset factor $\cos \varphi$	0.95	
Efficiency $\eta$	0.96	
Sound pressure level (1m)	65 dB	
Power loss	0.14 kW	
Filter class (integrated)	-	

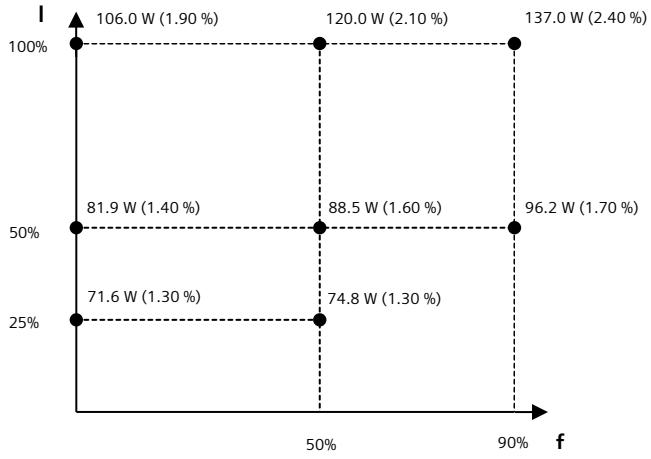
Ambient conditions	
Cooling	Internal air cooling
Cooling air requirement	0.018 m <sup>3</sup> /s (0.653 ft <sup>3</sup> /s)
Installation altitude	1,000 m (3,280.84 ft)
<b>Ambient temperature</b>	
Operation LO	-10 ... 40 °C (14 ... 104 °F)
Operation HO	-10 ... 50 °C (14 ... 122 °F)
Transport	-25 ... 55 °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	Plug-in screw terminals
Conductor cross-section	6.00 ... 16.00 mm <sup>2</sup> (AWG 10 ... AWG 6)
<b>Motor end</b>	
Version	Plug-in screw terminals
Conductor cross-section	6.00 ... 16.00 mm <sup>2</sup> (AWG 10 ... AWG 6)
<b>Max. motor cable length</b>	
Shielded	50 m (164.04 ft)
Unshielded	100 m (328.08 ft)
Mechanical data	
Degree of protection	IP20 / UL open type
Frame size	FSC
Net weight	5.00 kg (11.02 lb)
<b>Dimensions</b>	
Width	140 mm (5.51 in)
Height	355 mm (13.98 in)
Depth	165 mm (6.50 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%) 38.00 %



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 220V-240V