



Ordering data

6SL3225-0BH33-7AA1

Client order no. :

Item no. :

Order no. :

Consignment no. :

Offer no. :

Project :

Remarks :

Rated data		General tech. specifications	
Input		Power factor λ	0.95
Number of phases	3 AC	Offset factor $\cos \varphi$	0.95
Line voltage	500 ... 690 V $\pm 10\%$	Efficiency η	0.95
Line frequency	47 ... 63 Hz	Sound pressure level (1m)	70 dB
Rated current (LO)	60.00 A	Power loss	1.73 kW
Rated current (HO)	41.00 A	Ambient conditions	
Output		Cooling	Internal air cooling
Number of phases	3 AC	Cooling air requirement	0.131 m ³ /s
Rated voltage	400 V	Installation altitude	1000 m
Rated power (LO)	55.00 kW	Ambient temperature	
Rated power (HO)	37.00 kW	Operation LO	0 ... 40 °C (32 ... 104 °F)
Rated current (LO)	62.00 A	Operation HO	0 ... 50 °C (32 ... 122 °F)
Rated current (HO)	42.00 A	Transport	-40 ... 70 °C (-40 ... 158 °F)
Max. output current	84.00 A	Storage	-25 ... 55 °C (-13 ... 131 °F)
Pulse frequency	16 kHz	Relative humidity	
Output frequency for vector control	0 ... 200 Hz	Max. operation	95 % RH, condensation not permitted
Output frequency for V/f control	0 ... 200 Hz		

Overload capability

Low Overload (LO)

1.1 × output current rating (i.e., 110 % overload) for 57 s with a cycle time of 300 s
 1.4 × output current rating (i.e., 140 % overload) for 3 s with a cycle time of 300 s

High Overload (HO)

1.5 × output current rating (i.e., 150 % overload) for 57 s with a cycle time of 300 s
 2 × output current rating (i.e., 200 % overload) for 3 s with a cycle time of 300 s



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Mechanical data

Degree of protection	IP20
Size	FSF
Net weight	58.00 kg
Width	350.0 mm
Height	634.0 mm
Depth	316.0 mm

Connections

Line side

Version	M6 bolt
Conductor cross-section	10.00 ... 50.00 mm ²

Motor end

Version	M6 bolt
Conductor cross-section	10.00 ... 50.00 mm ²

Max. motor cable length

Shielded	200 m
Unshielded	300 m

Standards

Compliance with standards	CE
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CE marking	According to low-voltage directive 2006/95/EC
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