

Article No. : 6SL3225-0BH31-5UA1



Figure similar

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

Item no. :
Consignment no. :
Project :

Rated data			
Input			
Number of phases	3 AC		
Line voltage	500 ... 690 V ±10 %		
Line frequency	47 ... 63 Hz		
Rated current (LO)	22.00 A		
Rated current (HO)	18.00 A		
Output			
Number of phases	3 AC		
Rated voltage	400V IEC	480V NEC ¹⁾	
Rated power (LO)	18.50 kW	25.00 hp	
Rated power (HO)	15.00 kW	20.00 hp	
Rated current (LO)	23.00 A		
Rated current (HO)	19.00 A		
Max. output current	38.00 A		
Pulse frequency	16 kHz		
Output frequency for vector control	0 ... 200 Hz		
Output frequency for V/f control	0 ... 200 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 1.4 x rated output current (i.e. 140 % 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 λ	0.95		
Offset factor cos φ	0.95		
Efficiency η	0.95		
Sound pressure level (1m)	64 dB		
Power loss	0.82 kW		
Filter class (integrated)	-		

Ambient conditions	
Cooling	Internal air cooling
Cooling air requirement	0.044 m³/s (1.554 ft³/s)
Installation altitude	1,000 m (3,280.84 ft)
Ambient temperature	
Operation LO	0 ... 40 °C (32 ... 104 °F)
Operation HO	0 ... 50 °C (32 ... 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
Connections	
Line side	
Version	terminal strip
Conductor cross-section	2.50 ... 16.00 mm² (AWG 14 ... AWG 6)
Motor end	
Version	terminal strip
Conductor cross-section	2.50 ... 16.00 mm² (AWG 14 ... AWG 6)
Max. motor cable length	
Shielded	200 m (656.17 ft)
Unshielded	300 m (984.25 ft)
Mechanical data	
Degree of protection	IP20 / UL open type
Frame size	FSD
Net weight	22.00 kg (48.50 lb)
Dimensions	
Width	275 mm (10.83 in)
Height	512 mm (20.16 in)
Depth	204 mm (8.03 in)
Standards	
Compliance with standards	CE
CE marking	Low-voltage directive 2006/95/EC

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