

Article No. : 6SL3321-1TE37-4AA0

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

Item no. :
Consignment no. :
Project :

Figure similar

Rated data	
DC link voltage	DC 510 ... 720 V
Electronics power supply	DC 24 V -15 % / +20 %
Current demand, max.	1.30 A
Current consumption 400V AC	1.80 A
DC-link current	
Rated current I _N DC	
- Active Line Module	890 A
Output current	
Rated value I _N	740 A
Base-load current I _L ¹⁾	700 A
Base load current I _H ²⁾	620 A
I _{max}	1,036 A
Type rating ³⁾	
Based on I _N	355 kW
Based on I _H	315 kW
Pulse frequency	
Rated pulse frequency ⁴⁾	2.50 kHz
Pulse frequency, max.	8.00 kHz
DC link capacitance	16,450 µF
Output frequency for servo control	0 ... 550 Hz
Output frequency for V/f control	0 ... 550 Hz
Output frequency for vector control	0 ... 550 Hz
Ambient conditions	
Installation altitude (without derating)	2,000 m (6,561.68 ft)
Cooling ⁵⁾	External air cooling
Cooling air requirement	0.64 m³/s (22.600 ft³/s)
Ambient temperature	
During operation	0 ... 40 °C (32 ... 104 °F)

Connections	
Motor end	
Version	4 x M12 screw
Conductor cross-section	4 x 240 mm²
DC link	
Version	2 x 1 x hole for M12
PE1 connection	
Version	4 x M12 screw
Conductor cross-section	4 x 240 mm²
Max. motor cable length ⁶⁾	
Shielded	300 m (984.25 ft)
Unshielded	450 m (1,476.38 ft)
Standards	
Compliance with standards	CE, cULus
Safety Integrated	SIL 2 acc. to IEC 61508, PL d acc. to EN ISO 13849-1, Category 3 acc. to EN ISO 13849-1
Mechanical data	
Line side	
Dimensions	
Width	280 mm (11.02 in)
Height	1,248 mm (49.13 in)
Depth	542 mm (21.34 in)
Degree of protection	IP00
Type of construction	Chassis-2
Net weight	119 kg (262.40 lb)
General tech. specifications	
Sound pressure level (1m) + 50 Hz / 60 Hz	72.5 dB / 72.5 dB
Power loss, max. ⁷⁾	
Power loss (50 Hz 400 V)	6.70 kW
Power loss (60 Hz 460 V)	7.00 kW

¹⁾The base-load current IL is the basis for a duty cycle of 110% for 60 s or 150% for 10 s with a duty cycle duration of 300 s.
²⁾The base load current IH is based on a duty cycle of 150% for 60 s or 160% for 10 s with a duty cycle duration of 300 s.
³⁾Rated power of a typ. 6-pole standard induction motor based on IL or IH at 3 AC 50 Hz 400 V or 3 AC 60 Hz 460 V.
⁴⁾Information on the correlation between pulse frequency and maximum output current/output frequency is provided in the SINAMICS Low Voltage Configuration Manual.
⁵⁾Power units with intensified air cooling thanks to integrated fan
⁶⁾Total of all motor cables and DC link. Longer cable lengths for specific configurations are available on request.
⁷⁾The specified power loss represents the maximum value at 100% utilization. The value is lower under normal operating conditions.