



Data sheet for SINAMICS G150

MLFB-Ordering data: 6SL3710-1GE41-0AA3-Z
D02+D14+G60+K74+L26+L45+L57+M21+M70+M90+Q81

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

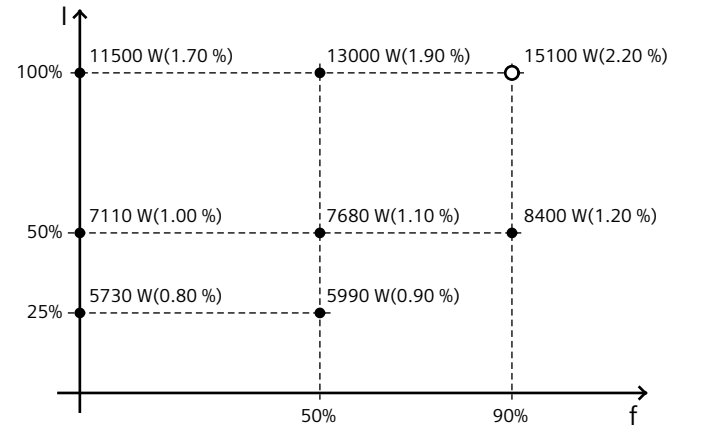
Item no.:
Consignment no.:
Project:

Rated data	
Input	
Supply frequency	47...63 Hz
Input supply voltage	400 V ±10%
Rated input current	1024 A
Max. current	1573 A
Pulse number	6
Regenerative capability	No (2Q)
Output:	
Output voltage	400 V
Rated output (LO) in kW	560 kW
Rated power (HO) in kW	450 kW
Rated output current	985 A
Rated output current (LO)	960 A
Rated output current (HO)	860 A
Output current Max	1440 A
Pulse frequency (default setting)	1.25 kHz

Basic data:	
Power losses ΔP	15.1 kW
Power loss including options	15.1 kW
Sound pressure level L _{pA} (1 m)	72 dB
Conductor cross section, max. (IEC)	8 x 240 mm²
Degree of protection	IP21
Dimensions (H x W x D)	2250 mm x 1600 mm x 600 mm
Weight approx.	1100 kg
Frame size	J
Type	A
Color, paint shade	RAL7035

Environmental conditions	
Installation altitude	1000 m
Coolant	Air
Air cooling requirements	1.48 m³/s
Ambient temperature	0 °C - +40 °C

Converter losses to IEC61800-9-2*	
Efficiency class	IE2
Comparison with the reference converter (90% / 100%)	54.1 %



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 including line choke without options/components.

*converted values

Special design	
D02	Customer documentation (circuit, terminal, layout diagram) in the DXF format
D14	Preliminary generation of customer documentation
G60	TM31 customer terminal strip
K74	Supply of Cabinet internal AC 230 V auxiliary power
L26	Main switch including fuses or circuit breaker
L45	EMERGENCY OFF pushbutton, mounted in the cabinet door
L57	EMERGENCY OFF, Category 0, uncontrolled stopping
M21	IP21 degree of protection
M70	EMC shield rail (cable connection from below)
M90	Crane transport assembly (mounted at the top)
Q81	Liability for defect period extended by 18 months up to a total of 30 months (2½ years) from initial shipment