

Data sheet for SINAMICS G150

MLFB-Ordering data: 6SL3710-1GE38-4AA3-Z L10+L26+L45+L50+L57+M23+M90

Client order no.: Order no.:

Offer no.: Remarks:

Item no.: Consignment no.:

Project:



Rated data	
Input	
Supply frequency	4763 Hz
Supply voltage	400 V ±10%
Rated input current	873 A
Max. current	1344 A
Pulse number	6
Energy recovery capability	No (2Q)
Output:	

Output voltage	400 V
Rated power (LO) in kW	450 kW
Rated power (HO) in kW	400 kW
Rated output current	840 A
Rated output current (LO)	820 A
Rated output current (HO)	700 A
Output current Max	1230 A
Pulse frequency (factory setting)	1.25 kHz

Basic data:

Coolant requirement, air

Power losses ΔP	10.8 kW
Power loss including options	12.05 kW
Sound pressure level L _{pA} (1 m)	70 dB
Conductor cross section, max. (IEC)	8 x 240 mm ²
Degree of protection	IP23
Dimensions (H x W x D)	2400 mm x 1600 mm x 600 mm
Weight approx.	780 kg
Frame size	Н
Design	Α
Color, paint shade	RAL7035

Environmen	tal conditions
Installation altitude	1000 m
Coolant	Air

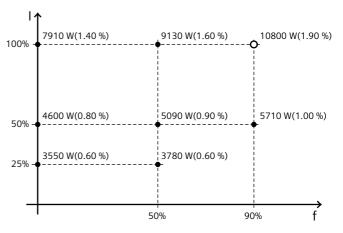
0.78 m³/s

Ambient temperature 0 °C - +40 °C

Converter losses to IEC61800-9-2*

Efficiency class IE2

Comparison with the reference converter (90% / 100%) 45.6 %



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.

*calculated values

Special design

L10	du/dt filter plus Voltage Peak Limiter
L26	Main switch including fuses or circuit breaker
L45	EMERGENCY OFF pushbutton, mounted in the cabinet door
L50	Cabinet lighting with service socket outlet
L57	EMERGENCY OFF, Category 0, uncontrolled stopping
M23	IP23 degree of protection
M90	Crane transport assembly (mounted at the top)