

Data sheet for SINAMICS G150

MLFB-Ordering data: 6SL3710-1GF34-7AA3-Z

D02+D14+K74+L13+L22+L26+L45+M90

Client order no.:

Remarks:

Order no.:

Item no.: Consignment no.:

Project:

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Rated data

Input	
Supply frequency	4763 Hz
Supply voltage	500 V ±10%
Rated input current	483 A
Max. current	740 A
Pulse number	6
Energy recovery capability	No (2Q)

Output:

Output:	
Output voltage	500 V
Rated power (LO) in kW	315 kW
Rated power (HO) in kW	250 kW
Rated output current	465 A
Rated output current (LO)	452 A
Rated output current (HO)	416 A
Output current Max	678 A
Pulse frequency (factory setting)	1.25 kHz

Basic data:

Power losses ΔP	7.82 kW
Power loss including options	7.82 kW
Sound pressure level L _{pA} (1 m)	72 dB
Conductor cross section, max. (IEC)	4 x 240 mm²
Degree of protection	IP20
Dimensions (H x W x D)	2000 mm x 1200 mm x 600 mm
Weight approx.	750 kg
Frame size	Н
Design	Α
Color, paint shade	RAL7035

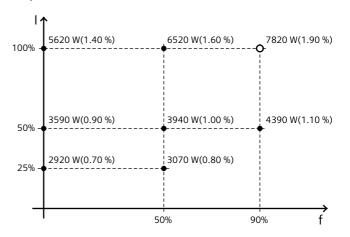
Environmental conditions

Installation altitude	1000 m
Coolant	Air
Coolant requirement, 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%) 47.5 %



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

D02 D14 K74 L13 L22 L26 L45 M90

Special design

Customer documentation (circuit, terminal, layout diagram) in the DXF format
Preliminary generation of customer documentation
Supply of Cabinet internal AC 230 V auxiliary power
Line contactor (for currents <= 800 A for single connection)
Scope of delivery without line reactor (for converter ? 500 kW)
Main switch including fuses or circuit breaker
EMERGENCY OFF pushbutton, mounted in the cabinet door
Crane transport assembly (mounted at the top)