

Data sheet for SINAMICS G150

MLFB-Ordering data: 6SL3710-1GH28-5AA3

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

Item no.: Consignment no.: Project:

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Input	
Supply frequency	4763 Hz
Supply voltage	690 V ±10%
Rated input current	93 A
Max. current	131 A
Pulse number	6
Energy recovery capability	No (2Q)

Output:				
Output voltage	690 V			
Rated power (LO) in kW	75 kW			
Rated power (HO) in kW	55 kW			
Rated output current	85 A			
Rated output current (LO)	80 A			
Rated output current (HO)	76 A			
Output current Max	120 A			
Pulse frequency (factory setting)	1.25 kHz			

Basic data:

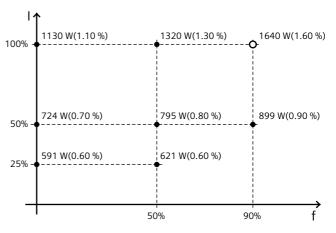
Power losses ΔP	1.64 kW
Power loss including options	1.64 kW
Sound pressure level L _{pA} (1 m)	67 dB
Conductor cross section, max. (IEC)	4 x 240 mm²
Degree of protection	IP20
Dimensions (W x H x D)	2000 mm x 800 mm x 600 mm
Weight approx.	460 kg
Frame size	F
Design	А
Color, paint shade	RAL7035

Environmental conditions Installation altitude 1000 m Coolant Air Coolant requirement, air 0.17 m³/s Ambient temperature 0 °C - +40 °C

Converter losses to IEC61800-9-2*

Efficiency class IE2

Comparison with the reference converter (90% / 100%) 34.7 %



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