



Data sheet for SINAMICS G150

MLFB-Ordering data: 6SL3710-1GF38-1AA3

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

Item no.:
Consignment no.:
Project:

Rated data	
Input	
Supply frequency	47...63 Hz
Supply voltage	500 V ±10%
Rated input current	842 A
Max. current	1295 A
Pulse number	6
Energy recovery capability	No (2Q)
Output:	
Output voltage	500 V
Rated power (LO) in kW	560 kW
Rated power (HO) in kW	500 kW
Rated output current	810 A
Rated output current (LO)	790 A
Rated output current (HO)	724 A
Output current Max	1185 A
Pulse frequency (factory setting)	1.25 kHz

Basic data:	
Power losses ΔP	14.6 kW
Power loss including options	14.6 kW
Sound pressure level L _{pA} (1 m)	72 dB
Conductor cross section, max. (IEC)	8 x 240 mm²
Degree of protection	IP20
Dimensions (W x H x D)	2000 mm x 1600 mm x 600 mm
Weight approx.	1150 kg
Frame size	J
Design	A
Color, paint shade	RAL7035

Environmental conditions	
Installation altitude	1000 m
Coolant	Air
Coolant requirement, air	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%) 51 %

Relative Torque (I)	Relative Frequency (f)	Loss (W)	Loss (%)
25%	25%	5920	0.80%
50%	25%	6150	0.90%
100%	25%	8440	1.20%
25%	50%	7310	1.00%
50%	50%	7810	1.10%
100%	50%	11600	1.60%
25%	100%	12800	1.80%
50%	100%	14600	2.10%

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
