



Data sheet for SINAMICS G150

MLFB-Ordering data: 6SL3710-1GH38-1AA3

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

Item no.:
Consignment no.:
Project:

Rated data	
Input	
Supply frequency	47...63 Hz
Supply voltage	690 V ±10%
Rated input current	842 A
Max. current	1295 A
Pulse number	6
Energy recovery capability	No (2Q)
Output:	
Output voltage	690 V
Rated power (LO) in kW	800 kW
Rated power (HO) in kW	710 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	16.1 kW
Power loss including options	16.1 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.	1360 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%) 40.7 %

f (%)	I (%)	Loss (W)	Loss (%)
50	25	6540	0.70 %
50	50	8120	0.80 %
50	100	12900	1.30 %
90	25	6760	0.70 %
90	50	8630	0.90 %
90	100	14200	1.50 %
90	100 (ref)	16100	1.70 %

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
