



Data sheet for SINAMICS G150

MLFB-Ordering data: 6SL3710-1GH32-6AA3

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	270 A
Max. current	410 A
Pulse number	6
Energy recovery capability	No (2Q)
Output:	
Output voltage	690 V
Rated power (LO) in kW	250 kW
Rated power (HO) in kW	200 kW
Rated output current	260 A
Rated output current (LO)	250 A
Rated output current (HO)	233 A
Output current Max	375 A
Pulse frequency (factory setting)	1.25 kHz

Basic data:	
Power losses ΔP	4.71 kW
Power loss including options	4.71 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.	670 kg
Frame size	G
Design	A
Color, paint shade	RAL7035

Environmental conditions	
Installation altitude	1000 m
Coolant	Air
Coolant requirement, air	0.36 m³/s
Ambient temperature	0 °C - +40 °C

Converter losses to IEC61800-9-2*

Efficiency class IE2

Comparison with the reference converter (90% / 100%) 37.1 %

f	I	Losses (W)	Losses (%)
50%	100%	3490 W	1.10 %
50%	50%	2170 W	0.70 %
50%	25%	1730 W	0.60 %
90%	100%	3980 W	1.30 %
90%	50%	2350 W	0.80 %
90%	25%	1810 W	0.60 %
100%	100%	4710 W	1.50 %

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
