



Data sheet for SINAMICS G150

MLFB-Ordering data: 6SL3710-1GH35-8CA3

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	598 A
Max. current	918 A
Pulse number	6
Energy recovery capability	No (2Q)
Output:	
Output voltage	690 V
Rated power (LO) in kW	560 kW
Rated power (HO) in kW	450 kW
Rated output current	575 A
Rated output current (LO)	560 A
Rated output current (HO)	514 A
Output current Max	840 A
Pulse frequency (factory setting)	1.25 kHz

Basic data:	
Power losses ΔP	9.85 kW
Power loss including options	9.85 kW
Sound pressure level L _{pA} (1 m)	72 dB
Conductor cross section, max. (IEC)	4 x 240 mm²
Degree of protection	IP20
Dimensions (W x H x D)	2000 mm x 600 mm x 600 mm
Weight approx.	670 kg
Frame size	H
Design	C (compact)
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%) 35.1 %

Relative torque generating current (I)	Relative motor stator frequency (f)	Losses (W)	Losses (%)
25%	25%	3540	0.50 %
50%	25%	4440	0.60 %
100%	25%	7160	1.00 %
25%	50%	3720	0.50 %
50%	50%	4850	0.70 %
100%	50%	8230	1.20 %
25%	90%	5400	0.80 %
50%	90%	9850	1.40 %
100%	90%	9850	1.40 %

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
