



Data sheet for SINAMICS G150

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

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	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	A
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 %

f (%)	I (%)	Loss (W)	Loss (%)
50	25	591	0.60 %
50	50	724	0.70 %
50	100	1130	1.10 %
90	25	621	0.60 %
90	50	795	0.80 %
90	100	1320	1.30 %
90	100 (ref)	1640	1.60 %

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
