



Data sheet for SINAMICS G150

MLFB-Ordering data: 6SL3710-1GH28-5CA3

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 <sub>pA</sub> (1 m)	67 dB
Conductor cross section, max. (IEC)	2 x 240 mm²
Degree of protection	IP20
Dimensions (W x H x D)	2000 mm x 400 mm x 600 mm
Weight approx.	225 kg
Frame size	F
Design	C (compact)
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 %

Relative Torque (I)	Relative Frequency (f)	Losses (W)	Losses (%)
100%	50%	1130 W	1.10 %
100%	90%	1320 W	1.30 %
100%	90%	1640 W	1.60 %
50%	50%	724 W	0.70 %
50%	90%	795 W	0.80 %
50%	90%	899 W	0.90 %
25%	50%	591 W	0.60 %
25%	90%	621 W	0.60 %

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
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