



Data sheet for SINAMICS G150

MLFB-Ordering data: 6SL3710-1GE35-0CA3

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

Item no.:
Consignment no.:
Project:

Rated data	
Input	
Supply frequency	47...63 Hz
Supply voltage	400 V ±10%
Rated input current	509 A
Max. current	781 A
Pulse number	6
Energy recovery capability	No (2Q)
Output:	
Output voltage	400 V
Rated power (LO) in kW	250 kW
Rated power (HO) in kW	200 kW
Rated output current	490 A
Rated output current (LO)	477 A
Rated output current (HO)	438 A
Output current Max	715 A
Pulse frequency (factory setting)	2 kHz

Basic data:	
Power losses ΔP	6.56 kW
Power loss including options	6.56 kW
Sound pressure level L _{pA} (1 m)	69 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.	300 kg
Frame size	G
Design	C (compact)
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%) 47.2 %

Frequency (f)	Current (I)	Loss (W)	Loss (%)
50%	25%	2130	0.60%
50%	50%	2800	0.80%
50%	100%	4860	1.40%
90%	25%	2260	0.70%
90%	50%	3080	0.90%
90%	100%	5550	1.60%
90%	100%	6560	1.90%

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
