



Data sheet for SINAMICS G150

MLFB-Ordering data: 6SL3710-1GF31-8AA3

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

Item no.:
Consignment no.:
Project:

Rated data	
Input	
Supply frequency	47...63 Hz
Supply voltage	500 V ±10%
Rated input current	191 A
Max. current	279 A
Pulse number	6
Energy recovery capability	No (2Q)
Output:	
Output voltage	500 V
Rated power (LO) in kW	110 kW
Rated power (HO) in kW	90 kW
Rated output current	175 A
Rated output current (LO)	171 A
Rated output current (HO)	157 A
Output current Max	255 A
Pulse frequency (factory setting)	1.25 kHz

Basic data:	
Power losses ΔP	3.3 kW
Power loss including options	3.3 kW
Sound pressure level L _{pA} (1 m)	69 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	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%) 53.1 %

f (%)	I (%)	Loss (W)	Loss (%)
50	100	2730	1.80
90	100	3300	2.20
50	50	1750	1.20
90	50	1940	1.30
50	25	1420	0.90
90	25	1940	1.30
50	100	2370	1.60
50	50	1610	1.10
50	25	1360	0.90

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
