

## Data sheet for SINAMICS G150



MLFB-Ordering data: **6SL3710-1GF38-1AA3**

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	842 A
Max. current	1295 A
Pulse number	6
Energy recovery capability	No (2Q)

#### Output:

Output voltage	500 V
Rated power (LO) in kW	560 kW
Rated power (HO) in kW	500 kW
Rated output current	810 A
Rated output current (LO)	790 A
Rated output current (HO)	724 A
Output current Max	1185 A
Pulse frequency (factory setting)	1.25 kHz

#### Basic data:

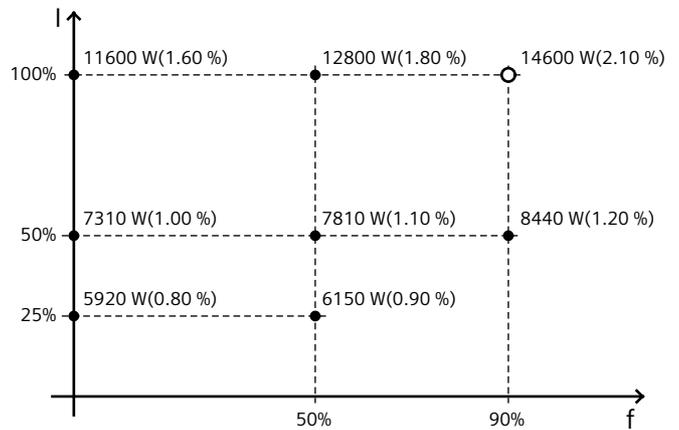
Power losses $\Delta P$	14.6 kW
Power loss including options	14.6 kW
Sound pressure level $L_{pA}$ (1 m)	72 dB
Conductor cross section, max. (IEC)	8 x 240 mm <sup>2</sup>
Degree of protection	IP20
Dimensions (W x H x D)	2000 mm x 1600 mm x 600 mm
Weight approx.	1150 kg
Frame size	J
Design	A
Color, paint shade	RAL7035

### Environmental conditions

Installation altitude	1000 m
Coolant	Air
Coolant requirement, air	1.48 m <sup>3</sup> /s
Ambient temperature	0 °C - +40 °C

### Converter losses to IEC61800-9-2\*

Efficiency class **IE2**  
Comparison with the reference converter (90% / 100%) **51 %**



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