

Data sheet for SINAMICS G150



MLFB-Ordering data: 6SL3710-1GE38-4CA3-Z
D58+M23+M90+T58

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

Item no.:
Consignment no.:
Project:

Rated data

Input

Supply frequency	47...63 Hz
Input supply voltage	400 V $\pm 10\%$
Rated input current	873 A
Max. current	1344 A
Pulse number	6
Regenerative capability	No (2Q)

Output:

Output voltage	400 V
Rated output (LO) in kW	450 kW
Rated power (HO) in kW	400 kW
Rated output current	840 A
Rated output current (LO)	820 A
Rated output current (HO)	700 A
Output current Max	1230 A
Pulse frequency (default setting)	1.25 kHz

Basic data:

Power losses ΔP	10.8 kW
Power loss including options	10.8 kW
Sound pressure level L_{pA} (1 m)	70 dB
Conductor cross section, max. (IEC)	8 x 240 mm ²
Degree of protection	IP23
Dimensions (H x W x D)	2400 mm x 600 mm x 600 mm
Weight approx.	670 kg
Frame size	H
Type	C (compact)
Color, paint shade	RAL7035

Environmental conditions

Installation altitude	1000 m
Coolant	Air
Air cooling requirements	0.78 m ³ /s
Ambient temperature	0 °C - +40 °C

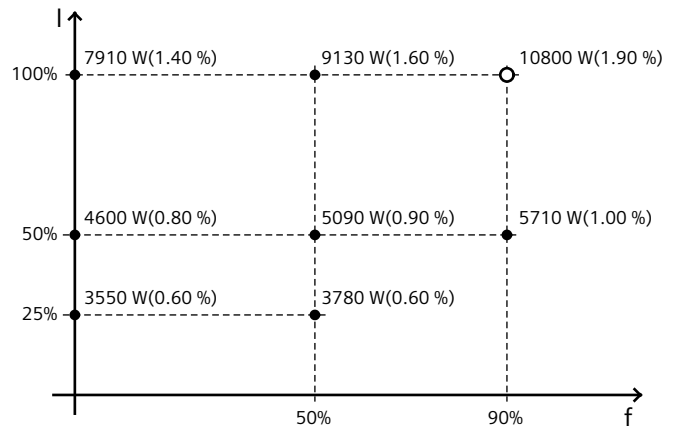
Converter losses to IEC61800-9-2*

Efficiency class

IE2

Comparison with the reference converter (90% / 100%)

45.6 %



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.

*converted values

Special design

D58	Documentation language: English/French
M23	IP23 degree of protection
M90	Crane transport assembly (mounted at the top)
T58	Rating plate data in English/French