

Data sheet for SINAMICS G150



MLFB-Ordering data: 6SL3710-1GH37-4AA3

Client order no.:

Order no.:

Offer no.:

Remarks:

Item no.:

Consignment no.:

Project:

Rated data

Input

Supply frequency	47...63 Hz
Input supply voltage	690 V $\pm 10\%$
Rated input current	764 A
Max. current	1164 A
Pulse number	6
Regenerative capability	No (2Q)

Output:

Output voltage	690 V
Rated output (LO) in kW	710 kW
Rated power (HO) in kW	560 kW
Rated output current	735 A
Rated output current (LO)	710 A
Rated output current (HO)	657 A
Output current Max	1065 A
Pulse frequency (default setting)	1.25 kHz

Basic data:

Power losses ΔP	13.5 kW
Power loss including options	13.5 kW
Sound pressure level L_{pA} (1 m)	72 dB
Conductor cross section, max. (IEC)	8 x 240 mm ²
Degree of protection	IP20
Dimensions (H x W x D)	2000 mm x 1600 mm x 600 mm
Weight approx.	1320 kg
Frame size	J
Type	A
Color, paint shade	RAL7035

Environmental conditions

Installation altitude	1000 m
Coolant	Air
Air cooling requirements	1.48 m ³ /s
Ambient temperature	0 °C - +40 °C

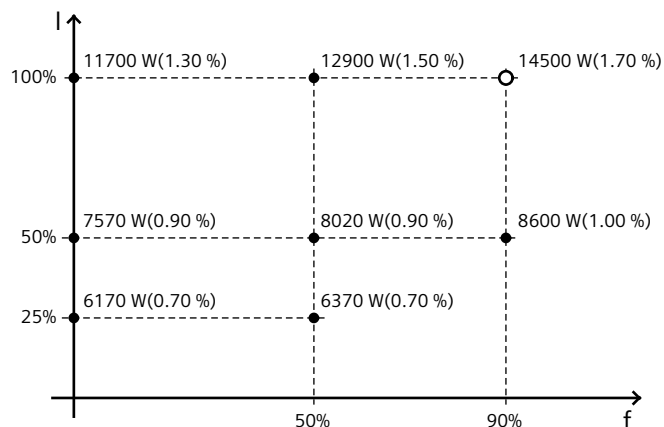
Converter losses to IEC61800-9-2*

Efficiency class

IE2

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

40.6 %



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