

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
Input supply voltage	500 V $\pm 10\%$
Rated input current	842 A
Max. current	1295 A
Pulse number	6
Regenerative capability	No (2Q)

Output:

Output voltage	500 V
Rated output (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 (default setting)	1.25 kHz

Basic data:

Power losses ΔP	14.1 kW
Power loss including options	14.1 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.	1150 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

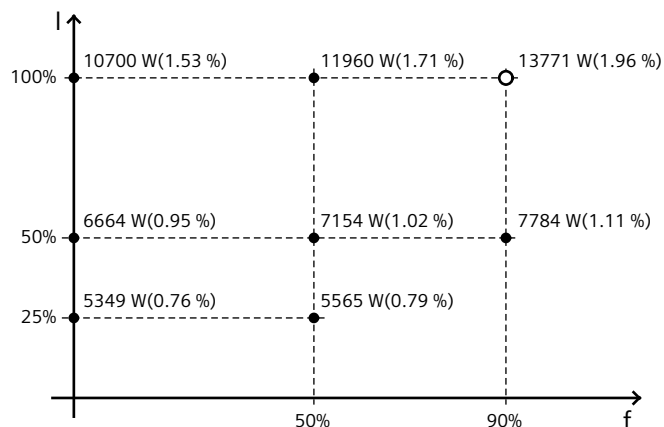
Converter losses to EN 50598-2*

Efficiency class

IE2

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

-51.88 %



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 EN 50598) 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