

Data sheet for SINAMICS G130



MLFB-Ordering data: 6SL3310-1GF38-1AA3

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 kW
Sound pressure level L_{pA} (1 m)	73 dB
Conductor cross section, max. (IEC)	4 x 240 mm ²
Degree of protection	IP00
Dimensions (H x W x D)	1510 mm x 909 mm x 540 mm
Weight approx.	530 kg
Frame size	JX

Environmental conditions

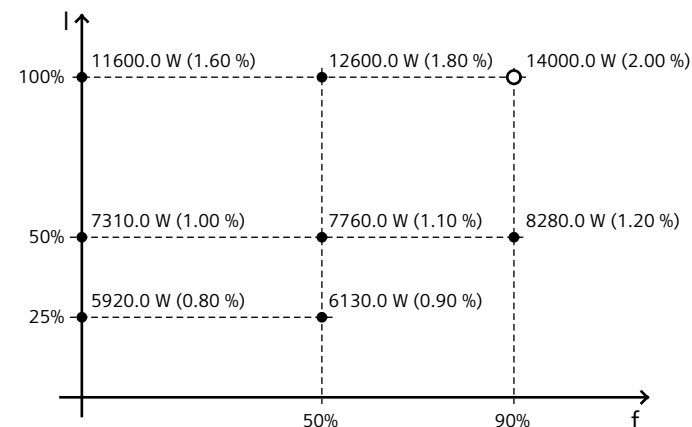
Installation altitude	1000 m
Coolant	Air
Air cooling requirements	1.48 m ³ /s
Ambient temperature	0 °C - +40 °C

Converter losses to IEC61800-9-2*

Efficiency class

IE2

Comparison with the reference converter (90% / 100%) 48.9 %



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 without options/components.

*converted values

Special design

Supplementary system components

6SL30401GA011AA0 - Control Unit Kit CU320-2 PN (PROFINET, EtherNet/IP)