SIEMENS

Data sheet for SINAMICS G120P Cabinet



MLFB-Ordering data: **6SL3710-1PE36-6AA0 ****

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

Item no.:
Consignment no.:
Project:

Rated data

Input

Supply frequency	47...63 Hz
Supply voltage	400 V ±10%
Rated input current	668.0 A
Max. current	881 A
Pulse number	6
Energy recovery capability	No (2Q)

Output:

Output voltage	400 V
Rated power (LO) in kW	355 kW
Rated power (HO) in kW	250 kW
Rated output current	655.0 A
Rated output current (LO)	640 A
Rated output current (HO)	491 A
Output current Max	864 A
Pulse frequency (nominal)	2.00 kHz

Basic data:

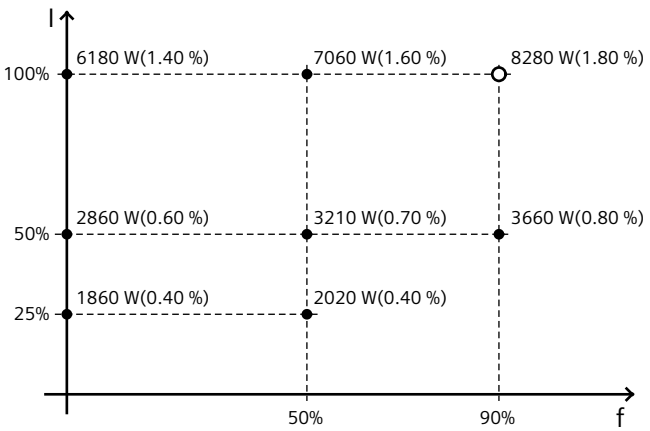
Absolute power loss in stand-by	168 W
Sound pressure level L_{pA} (1 m)	69 dB
Conductor cross section, max. (IEC)	4 x 240 mm²
Degree of protection	IP20
Installation envelope dimensions (H x W x	2300 mm x 1200 mm x 600 mm
Weight approx.	500 kg
Frame size	FSHX
Design	A
Color, paint shade	RAL7035
Compliance with standards	CE, RCM, EAC

Environmental conditions

Installation altitude	1000 m
Coolant	Air
Coolant requirement, air	0.60 m³/s
Ambient temperature	0 °C - +40 °C

Converter losses to IEC61800-9-2*

Efficiency class	IE2
Comparison with the reference converter (90% / 100%)	44.6 %



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.

Special design

*calculated values

**EMC shield rail with PE rail and crane transport aid included in the standard scope of delivery