

Data sheet for SINAMICS G120P Cabinet



MLFB-Ordering data: 6SL3710-1PE34-6AA0-Z **
D02+K74+K97+L13+L57+M07+M54

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	469.0 A
Max. current	620 A
Pulse number	6
Energy recovery capability	No (2Q)

Output:

Output voltage	400 V
Rated power (LO) in kW	250 kW
Rated power (HO) in kW	200 kW
Rated output current	460.0 A
Rated output current (LO)	450 A
Rated output current (HO)	368 A
Output current Max	608 A
Pulse frequency (nominal)	2.00 kHz

Basic data:

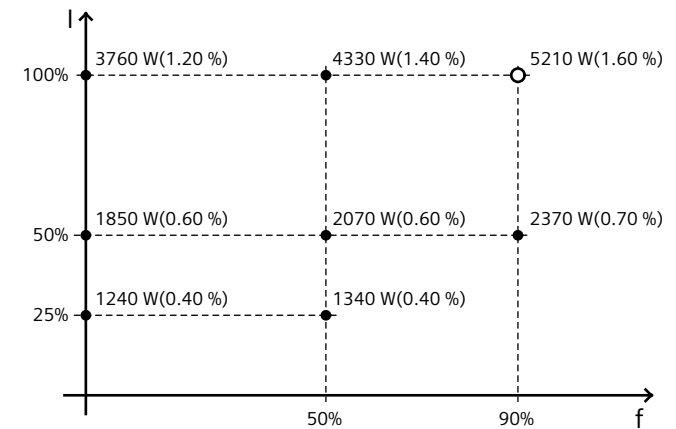
Absolute power loss in stand-by	93 W
Sound pressure level L_{pA} (1 m)	66 dB
Conductor cross section, max. (IEC)	2 x 240 mm ²
Degree of protection	IP54
Installation envelope dimensions (H x W x D)	2600 mm x 1000 mm x 600 mm
Weight approx.	400 kg
Frame size	FSGX
Design	A
Color, paint shade	RAL7035
Compliance with standards	CE, RCM, EAC

Environmental conditions

Installation altitude	1000 m
Coolant	Air
Coolant requirement, air	0.21 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 %



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

D02	Customer documentation (circuit, terminal, layout diagram) in the DXF format
K74	Supply of Cabinet internal AC 230 V auxiliary power
K97	Control Unit CU230P-2 Profibus DP
L13	Line contactor
M07	Cable marshalling space 200 mm high, RAL 7035
M54	IP54 degree of protection

*calculated values

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