

Data sheet for SINAMICS G120P Cabinet



MLFB-Ordering data: 6SL3710-1PE31-8AB0-Z **
K96

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	-
Max. current	232 A
Pulse number	6
Energy recovery capability	No (2Q)

Output:	
Output voltage	400 V
Rated power (LO) in kW	90 kW
Rated power (HO) in kW	75 kW
Rated output current	-
Rated output current (LO)	178 A
Rated output current (HO)	145 A
Output current Max	241 A
Pulse frequency (nominal)	2.00 kHz

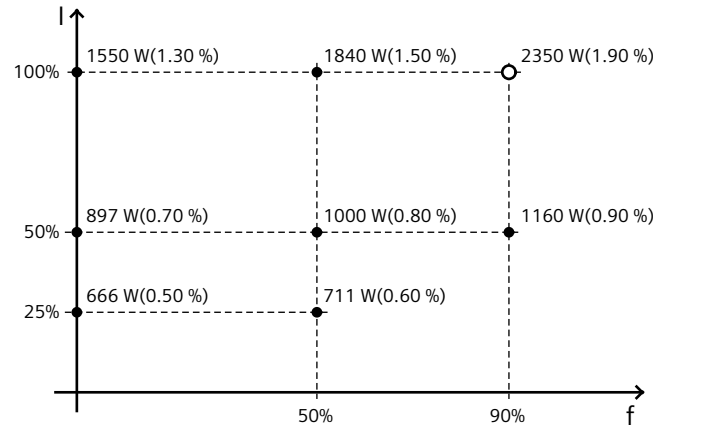
Basic data:	
Absolute power loss in stand-by	48 W
Sound pressure level L _{pA} (1 m)	66 dB
Conductor cross section, max. (IEC)	4 x 240 mm ²
Degree of protection	IP20
Installation envelope dimensions (H x W x D)	2000 mm x 400 mm x 600 mm
Weight approx.	165 kg
Frame size	FSF
Design	A
Color, paint shade	RAL7035
Compliance with standards	CE, RCM, EAC

Environmental conditions

Installation altitude	1000 m
Coolant	Air
Coolant requirement, air	0.16 m³/s
Ambient temperature	0 °C - +40 °C

Converter losses to IEC61800-9-2*

Efficiency class IE2
Comparison with the reference converter (90% / 100%) 46.5 %



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

K96 Control Unit CU230P-2 PROFINET / EtherNet/IP