

Data sheet for SINAMICS G120P Cabinet



MLFB-Ordering data: 6SL3710-1PE35-8AA0-Z **
D94+K74+K97+L08+L26+M21

Client order no.:

Order no.:

Offer no.:

Remarks:

Item no.:

Consignment no.:

Project:

Rated data

Input

Supply frequency	47...63 Hz
Input supply voltage	400 V $\pm$ 10%
Rated input current	597.0 A
Max. current	785 A
Pulse number	6
Regenerative capability	No (2Q)

Output:

Output voltage	400 V
Rated output (LO) in kW	315 kW
Rated power (HO) in kW	250 kW
Rated output current	585.0 A
Rated output current (LO)	570 A
Rated output current (HO)	468 A
Output current Max	770 A
Pulse frequency (nominal)	2.00 kHz

Basic data:

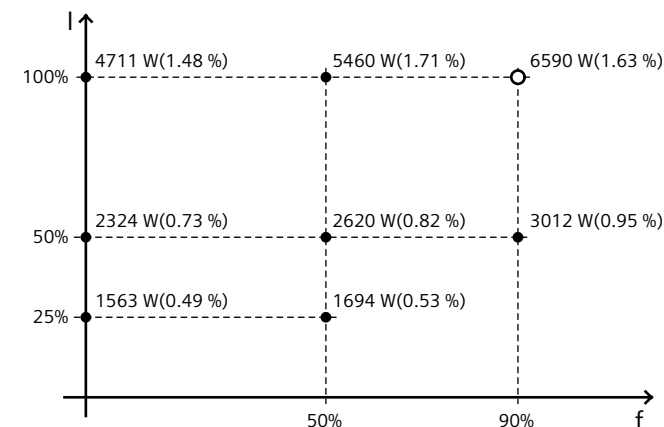
Absolute power loss in stand-by	168 W
Sound pressure level L_{pA} (1 m)	69 dB
Conductor cross section, max. (IEC)	4 x 240 mm ²
Degree of protection	IP21
Mounting space (H x B x T)	2300 mm x 1200 mm x 600 mm
Weight approx.	500 kg
Frame size	FSHX
Type	A
Color, paint shade	RAL7035
Compliance with standards	CE, RCM, EAC

Environmental conditions

Installation altitude	1000 m
Coolant	Air
Air cooling requirements	0.60 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%) -60.15 %



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.

Special design

D94	Documentation language: English/Russian
K74	Supply of Cabinet internal AC 230 V auxiliary power
K97	Control Unit CU230P-2 Profibus DP
L08	Motor reactor
L26	Main switch including fuses
M21	IP21 degree of protection

*converted values

**EMC shielding busbar with PE busbar and crane transport assembly included in the standard delivery content