

# **Data sheet for SINAMICS G120P Cabinet**

MLFB-Ordering data: 6SL3710-1PE33-7AA0-Z \*\*

K74+K83+K96+L13+L26+L45+L50+L57+L84+L86+M07+Q82

Client order no.:

Order no.:

Offer no.: Remarks: Item no.: Consignment no.:

Project:

## Rated data

Input	
Supply frequency	4763 Hz
Supply voltage	400 V ±10%
Rated input current	375.0 A
Max. current	493 A
Pulse number	6
Energy recovery capability	No (2Q)

### **Output:**

Output voltage	400 V
Rated power (LO) in kW	200 kW
Rated power (HO) in kW	160 kW
Rated output current	370.0 A
Rated output current (LO)	360 A
Rated output current (HO)	296 A
Output current Max	486 A
Pulse frequency (nominal)	2.00 kHz

## Basic data:

Absolute power loss in stand-by	93 W
Sound pressure level L <sub>pA</sub> (1 m)	66 dB
Conductor cross section, max. (IEC)	2 x 240 mm²
Degree of protection	IP20
Installation envelope dimensions (H x W x	2500 mm x 1000 mm x 600 mm
Weight approx.	380 kg
Frame size	FSGX
Design	Α
Color, paint shade	RAL7035
Compliance with standards	CE, RCM, EAC

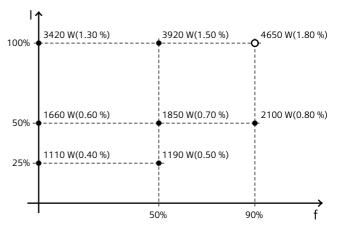
### **Environmental conditions**

Installation altitude	1000 m
Coolant	Air
Coolant requirement, air	0.21 m³/s
Ambient temperature	0 °C - +40 °C

### Converter losses to IEC61800-9-2\*

Efficiency class IE2

Comparison with the reference converter (90% / 100%) 44.2 %



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

	Special acsign
K74	Supply of Cabinet internal AC 230 V auxiliary power
K83	Stopp-Category 0 (STO)
K96	Control Unit CU230P-2 PROFINET / EtherNet/IP
L13	Line contactor
L26	Main switch including fuses
L45	EMERGENCY OFF pushbutton, mounted in the cabinet door
L50	Cabinet lighting with service socket outlet
L84	Thermal motor protection device (shutdown/trip)
L86	PT100 evaluation unit
M07	Cable marshalling space 200 mm high, RAL 7035
Q82	Extension of the liability for defects by 24 months to a total of 36 months (3 years) from delivery

\*calculated values

<sup>\*\*</sup>EMC shield rail with PE rail and crane transport aid included in the standard scope of delivery

<sup>&</sup>lt;sup>1)</sup> The L50 and L55 options always require an external supply voltage and may not be supplied via option K74.