

## **Data sheet for SINAMICS G120P Cabinet**

MLFB-Ordering data: 6SL3710-1PG34-5CA0 \*\*

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

Item no.: Consignment no.: Project:

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Rated	data

Input	
Supply frequency	4763 Hz
Supply voltage	690 V ±10%
Rated input current	447.0 A
Max. current	623 A
Pulse number	6
Energy recovery capability	No (2Q)

### **Output:**

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Output voltage	690 V
Rated power (LO) in kW	400 kW
Rated power (HO) in kW	355 kW
Rated output current ***	430.0 A
Rated output current (LO) ***	420 A
Rated output current (HO) ***	348 A
Output current Max	598 A
Pulse frequency (nominal)	2.00 kHz

### Basic data:

Ambient temperature

Absolute power loss in stand-by	289 W
Sound pressure level L <sub>pA</sub> (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.	442 kg
Frame size	FSHX
Design	C (compact)
Color, paint shade	RAL7035
Compliance with standards	CE, RCM, EAC

0 °C - +40 °C

#### **Environmental conditions**

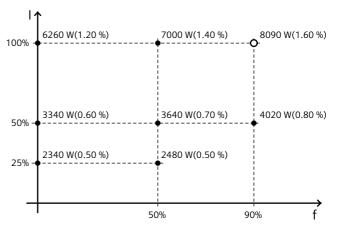
Installation altitude	1000 m
Coolant	Air
Coolant requirement, air	0.60 m³/s

\*\*\*reduced value due to derating

IE2 Efficiency class

Comparison with the reference converter (90% / 100%) 38.6 %

Converter losses to IEC61800-9-2\*



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

\*calculated values

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

Technical data are subject to change! There may be discrepancies between calculated and rating plate values.