

Data sheet for SINAMICS G120P Cabinet

MLFB-Ordering data: 6SL3710-1PE33-0CA0 **

Order no.: Offer no.: Remarks:

Client order no.:

Item no.: Consignment no.:

Efficiency class

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Rated data				
Input				
Supply frequency	4763 Hz			
Supply voltage	400 V ±10%			
Rated input current	317.0 A			
Max. current	415 A			
Pulse number	6			
Energy recovery capability	No (2Q)			
Output:				
Output voltage	400 V			
Rated power (LO) in kW	160 kW			
Rated power (HO) in kW	132 kW			
Rated output current	300.0 A			
Rated output current (LO)	290 A			
Rated output current (HO)	240 A			

392 A

2.00 kHz

Air

Comparison with the reference converter (90% / 100%) 43.7 % -**O**-^{3700 W(1.80 %)} 2630 W(1.30 %) 3050 W(1.50 %) 1310 W(0.60 %) 1480 W(0.70 %) 1700 W(0.80 %) 50% 981 W(0.50 %) 50%

Converter losses to IEC61800-9-2*

IE2

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

Basic data:

Coolant

Ambient temperature

Output current Max

Pulse frequency (nominal)

Environmental conditions				
Compliance with standards	CE, RCM, EAC			
Color, paint shade	RAL7035			
Design	C (compact)			
Frame size	FSGX			
Weight approx.	290 kg			
Installation envelope dimensions (H x W x	2300 mm x 600 mm x 600 mm			
Degree of protection	IP20			
Conductor cross section, max. (IEC)	2 x 240 mm²			
Sound pressure level L _{pA} (1 m)	63 dB			
Absolute power loss in stand-by	93 W			

Environmental conditions			
Installation altitude	1000 m		

Coolant requirement, air 0.21 m³/s 0 °C - +40 °C **EMC shield rail with PE rail and crane transport aid included in the standard scope of delivery

*calculated values

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